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Thank you very much! 29 Aug. 2024

Shu, Hyun Jeong
President, CEO

Shu, Chong Ku
Chairman

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※ The Price(VAT is extra) for Korean End-user, and Changeable.

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※ The Price(VAT is extra) for Korean End-user, and Changeable.

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2025 DAIHAN Scientific
Laboratory & Medical Instruments "Overview"

All DAIHAN® Instruments have a *1-/2-Year Global Warranty*

Balance



Analytical



Electronic Lab



General Purpose Scale



Moisture Analyzer

Bath



Basic Bath, 100℃~250℃

Bath



Circulation & Shaking Water Bath



Cold Trap



Extraction Water Bath



Viscosity Bath

Bath Circulator



External / Internal Refrigerated / Heating

Blender



Bag / Sample Mixer

Cabinet & Enclosure



Biological Safety Cabinet (BSC) Class Ⅱ Type A2



Clean Bench / PCR Workstation



PP Filtered Reagent Storage Cabinet



Safety Cabinet

Centrifuge



Micro Centrifuge



Micro Centrifuge, Refrigerated



MicroHematocrit Centrifuge



Refrigerated Hi-Volume Floor-standing

Chiller / Cooling Circulator



Refrigerated / Heating

Chromatography



Solid-phase Extraction (SPE)Vacuum Manifold

Cryogenic



Liquid Nitrogen(LN_2) Storage System

Desiccator Cabinet



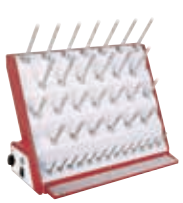
Desiccator Cabinet

Dispenser



Wisdose™ Bottle-top Standard & HF

Dryer



Labware Dryer, 39 places

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Laboratory & Medical Instruments "Overview"

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Drying Chamber

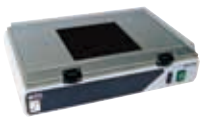


Drying Chamber

Electrophoresis



Gel Documentation System



UV Transilluminator

Evaporator



Rotary Vacuum Evaporator

Freeze Dry System



Freeze Dryer, 3 & 6Lit / day

Fume Hood



Ductless Filtered Fume Hood



Ducted Fume Hood



Fume Purifier

Furnace



Dental Furnace, 1100℃ / 1650℃



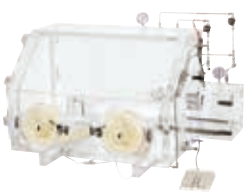
Muffle Furnace, 1000℃~1650℃

Furniture



Assembly-type Laboratory Furniture

Glove Box



PMMA Vacuum Glove Box

Heating Block / DryBath Incubator



Heating Block



Heating · Cooling · Mixing

Heating / Cooling Circulator

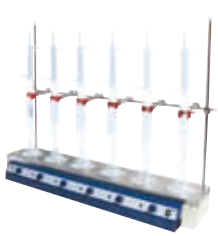


External Circulator

Heating Mantle



Multi Heating Mantle



Multi Heating Mantle

Homogenizer



Analog & Digital

Hotplate



550℃ High Temp. Hi-Light Hotplate



500℃ & 380℃ Hotplate

Hotplate

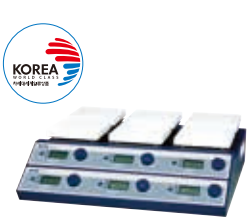


350℃ Large Hotplate

Hotplate Stirrer



500℃ & 380℃ Hotplate Stirrer



Multi Hotplate Stirrer 3- / 6-places

Ice Maker



Ice Maker Snow & Flake type

Incubator



CO_2 Incubator

<Continued on next page>

※ The Price(VAT is extra) for Korean End-user, and Changeable.

2025 DAIHAN Scientific
Laboratory & Medical Instruments "Overview"

All DAIHAN® Instruments have a *1-/2-Year Global Warranty*

Incubator



General Mini Low Temp / Shaking, 20L



General Purpose Forced- / Gravity-air



General Purpose Multi, 4-room



Humidity / Temp. Chamber



Low Temp (B.O.D) Incubator

Incubator



Plant Growth Chamber



Shaking Incubator



Shaking Multi-Stack Incubator

Magnifier



Light Magnifier Fluorescent / LED

Microscope



Microscope

Mill



Ball Mill



Cutting Mill & Pin Mill

Oven



General Oven Forced- / Gravity-air



High Clean Air Oven



Industrial Forced-air Oven

Oven



Vacuum Oven

pH/pX Meter



pH · mV · ORP · Ion Meter Set

Pipettor



Wisdpet™ Adjustable Micro pipettor

Pump



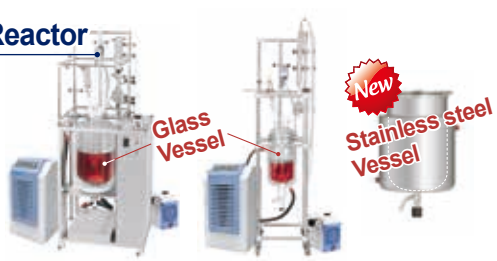
Vacuum Pump

Reactor



Hydrothermal Synthesis Magnetic Stirring Reactor

Reactor



Reaction System for Lab & Pilot Plant
Glass Vessel 0.1~100Lit, Stainless steel 1~20Lit

Refrigerator & ULT Freezer



Freezer : -95℃~-65℃, -85℃~-65℃, -45℃~-15℃
Refrigerator : 0℃~10℃, 2℃~10℃

Shaker



Mixer / Tube Roller

<Continued on next page>

2025 DAIHAN Scientific
Laboratory & Medical Instruments "Overview"

All DAIHAN® Instruments have a *1-/2-Year Global Warranty*

Shaker



Mixer / Vortex



Orbital Mixer
for Microplates



Orbital / Reciprocating
Shaker



Rocker



Rotator

Shaker



Sieve Shaker

Sterilizer



Autoclave, 25 & 40Lit
Bench-top Front Door



Autoclave, 47~100Lit
Toploading / Vertical



Autoclave, 90Lit
Front Door



Dry Heat Sterilizer
17 · 32 · 50Lit

Sterilizer



Plasma Sterilizer,
18 · 56 · 130Lit

Stirrer, Magnetic



Magnetic, Digital
Mini & Midi



Magnetic,
High-Performance



Magnetic, Multi-point

Stirrer, Overhead



Overhead,
Hi-speed & Hi-Torque

Stirrer, Overhead



Overhead, Hi-torque Ultra
~350,000mPas

Thermometer



Thermo-Hygrometer,
WBGT Monitor



Thermometer,
Infra-Red



Thermometer,
K-type · NTC-type · Pt100

Ultrasonic Cleaner



Ultrasonic Cleaner

Ultrasonic Homogenizer



Ultrasonic
Homogenizer

Viscosity



Rotary Viscometer

Washer



Glass / Labware Washer

Water Purification



Classic Water Still



Water Purification System
UP & RO

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



Amos® White Superglue Stick, Safe, Non-toxic, Washable, 8g~35g
Ideal for Paper · Photos · Fabric, Fast Strong Bonding, **강력한 딱풀**

* Non-Toxic Adhesive * Odorless * Useful for Home, Office & School

<B4>

		Ea.	Price,₩	Pk.	Price, ₩
A5.1001	Adhesive, White Gluestick, 8g		370	30ea	
A5.1002	, 15g		590	20ea	
A5.1003	, 25g		880	20ea	
A5.1004	, 35g		1,100	12ea	



Amos® Liquid Superglue Stick, Non-toxic Adhesive, 50㎖ & 120㎖
Ideal for All Paper Craft, Washable, Watertight, **초강력 물풀**

* Useful for Home, Office & School
* Odorless * Water Solubility * No Run Liquid

<B4>

		Ea.	Price,₩	Pk.	Price, ₩
A5.1011	Adhesive, Liquid Gluestick, 50㎖		590	12ea	
A5.1012	, 120㎖		1,460	12ea	


(1) 2g "AD122"


(2) 4g "AD124-G"

3M® Scotch® 2g · 4g · 7g · 20g Quick Dry Super Glue-gel, in Safety Vessel
Good for Small Gaps, for Ceramic · Glass · Leather · Metal · Rubber · Wood, **강력 순간접착제**

* Solvent-Free, No-Tips. * Cyano Acryl Resin Based.
* Quick drying Super Strength Adhesive Designed for a Wide Variety of Surfaces.

<B4>

(1) 2g "AD122", Gel Type, 초강력 젤타입

		Pk.	Price,₩	Cs.	Price, ₩
3M.02.1009	Scotch® "AD122" Super Glue Gel, 2g	1ea	2,870	12pk	33,380


(3) 7g "AD127"


(4) 20g "AD120"

(2) 4g "AD124-G", Gel Type, Clog-resistant, 막힘방지형 젤타입

		Pk.	Price,₩	Cs.	Price, ₩
3M.02.1026	Scotch® "AD124-G" Super Glue gel, Clog-resistant, 4g	1ea	4,810	12pk	55,900

(3) 7g "AD127", Liquid Type, Brush-On, 브러쉬형 리퀴드타입

		Pk.	Price,₩	Cs.	Price, ₩
3M.02.1011	Scotch® "AD127" Super Glue Liquid, Brush-On, 7g	1ea	2,800	10pk	27,120

(4) 20g "AD120", Liquid Type, Twist Cap, 트위스트캡형 리퀴드타입

* Twist Cap Prevents the Hole from Clogging. * Easy to Adjust Volume

		Pk.	Price,₩	Cs.	Price, ₩
3M.02.1012	Scotch® "AD120" Super Glue Liquid, Twist Cap, 20g	1ea	3,590	12pk	41,720

NEW


(1) (2)

3M® Scotch® "75" Repositionable Spray Adhesive, Provides "tape-like" Bonds
Ideal for Cloth · Paper · Film · Cardboard, "75" **임시고정용 스프레이 접착제**

* Ideal for Temporary Bond : Fabric, Paper, Film, Corrugated Cardboard
* Permits Materials to be Repositioned * Resists Bleeding, Staining or Wrinkling
* Bonding Time : One Side - 1 hour, Two Side - 3hours

<B4>

		Ea.	Price,₩	Cs.	Price, ₩
3M.02.1018	(1) Adhesive, 75 Spray, 155㎖		7,540	30ea	
3M.02.1017	(2) , 455㎖		14,560	12ea	

NEW


330㎖

3M® Scotch® Multiuse Adhesive Remover-Spray, 330㎖
For Remover Adhesive · Grease · Labels · Oil from many Substrates, **다용도 접착제 제거제**

* D-Limonene / Solvent Based.
* Clean Grime from Floors in Garages and Industrial sites.
* Dissolve Overspray of Many Adhesives used in Countertop Lamination.

		Pk.	Price,₩	Cs.	Price, ₩
3M.02.1022	Multiuse Adhesive Remover 330㎖-spray	1ea	6,600	20pk	

Articles	Cat. No	Description


(1) Clear Glass Ampule, 1~20㎖


(2) Amber Glass Ampule, 1~5㎖

Wheaton® General-purpose Empty Ampule, with Gold Band & Pre-Scored, 기본형 앰플

■ ***Supplied by Wheaton® in U.S.A***
* Stems can be Pull-sealed or Tip-sealed to Close the Container
* Gold Band Prescored Feature Eliminates Filing.

(1) Clear Glass Empty Ampule

* Made from Low Extractable Borosilicate Glass that conforms to USP Type Ⅰ and ASTM E 438 Type Ⅰ, Class A requirements

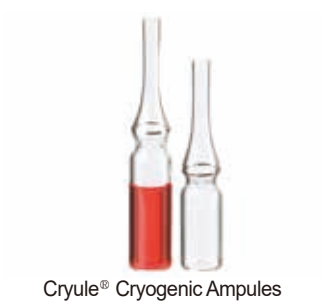
〈L1〉

		Cs.	Price, ₩
WH.176772	Ampule, General, 1㎖ , Φ10.5×h67 mm	144ea	111,040
WH.176776	, 2㎖ , Φ12×h75 mm	144ea	111,040
WH.176779	, 5㎖ , Φ16.5×h84 mm	144ea	171,430
WH.176780	, 10㎖, Φ19×h107 mm	144ea	232,290
WH.176782	, 20㎖, Φ22.5×h130 mm	144ea	344,230

(2) Amber Glass Empty Ampule

* Made from Amber Borosilicate Glass that conforms to USP Type Ⅰ requirements for Light Transmission to Protect Light-sensitive Products

		Cs.	Price, ₩
WH.176792	Ampule, Amber, General, 1㎖, Φ10.5×h67 mm	144ea	124,040
WH.176796	, 2㎖, Φ12×h75 mm	144ea	124,040
WH.176799	, 5㎖, Φ16.5×h84 mm	144ea	251,550


Cryule® Cryogenic Ampules

Wheaton® Glass Cryogenic Empty Ampule, Cryule®
USP/ASTM, 고급형 냉동앰플/글라스 크리오젠 바이알

■ ***Supplied by Wheaton® in U.S.A*** ■ ***생물표본 보존에 적합하며, 액체 질소와 같은 저온에서 보관 가능***
* For Biological Sample Preservation in Glass
* Made from Low Extractable Borosilicate Glass that conforms to USP Type Ⅰ and ASTM E 438 Type Ⅰ, Class A requirements
* Pre-scored to Eliminate Filing * Allows for Storage at Low Temperatures
* Can be used in the Vapor Phase of Liquid Nitrogen

〈L1〉

		Cs.	Price, ₩
WH.651483	Ampule, Cryule, Prescored, 1.2㎖, Φ11.8×h58 mm	144ea	214,880
WH.651486	, 2.0㎖, Φ11.5×h70 mm	144ea	245,880


Lyophilization Ampule

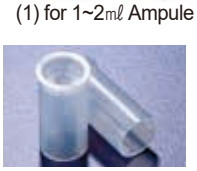
Wheaton® 1㎖ Empty Ampule for Lyophilization, with Gold-band & Pre-Scored
Ideal for Small Volume Lyophilization Samples, USP/ASTM, <USA-Made> 동결 건조용 앰플

■ ***Supplied by Wheaton® in U.S.A*** * Ideal for Small Volume Lyophilization Samples.
* Heat Sealed Only. * Pre-scored for Easy Opening.
* Made from Low Extractable Borosilicate Glass that Conforms to USP Type Ⅰ and ASTM E 438 Type Ⅰ, Class A requirements.

〈L1〉

		Cs.	Price, ₩
WH.651502	Vacule Prescored, 1㎖, Φ10×h108 mm	144ea	270,270


(1) for 1~2㎖ Ampule of Wheaton®


(2) for 1~4㎖ and 5~10㎖ Ampule of Azlon®

Safety Ampule Snapper/Breaker, Safe & Easy Breaking, 안전 앰플 따개

■ ***Disposable Plastic Fracture and Safety Collar aids in Breaking Open Pre-scored Ampules.***
* Just Slip the Ampule Snapper over the Top at the Pre-scored Position, Snap it, and Discard both the Ampule and the Safety Collar to Prevent Cross Contamination.
* Protects against Glass Splinters

(1) for 1~2㎖ Ampule of Wheaton®

* Supplied by Wheaton® in U.S.A

〈L1〉

		Cs.	Price, ₩
WH.177105	Ampule snapper, for 1 & 2㎖ Ampule	144ea	51,200

(2) for 1~4㎖ and 5~10㎖ Ampule of Azlon®

* Supplied by Azlon® in UK

		dh pk.	Price, ₩	Cs.	Price, ₩
Az.AWY700	Ampule Breaker, for 1 ~ 4㎖ Ampule	100ea	81,280	1000ea	752,370
Az.AWY702	, for 5 ~ 10㎖ Ampule	100ea	93,040	1000ea	861,280

※ The Price(VAT is extra) for Korean End-user, and Changeable.

DAIHAN® Pocket Anemometer of Flow · Temp · RH% · Dew-point · Compass "ANE5", IP54 Water Resistance & Shock Proof
1.1~20m/s, −15℃+50℃, 0~100% RH, Dew-point & Compass 360°, Tripod-stand Mountable, 소형 다기능 아네모메타



Pocket Anemometer for 3×Measuring

■ ***Supplied by DAIHAN Korea***

* Small Pocket Knife Shape & Compact Design. * IP54 Water Resistant & Shock Proof.
* Temp. Units ℃/℉ Selectable. * Auto Sleep Mode Disable Included. * Tripod Mountable Receptacle.
* Measures 7 Parameters : Air Velocity, Compass, Temperature, Humidity, Windchill, Wet Bulb & Dew Point
* 6 Wind Units Selectable : KNT(Knot), BF(Beaufort), FPM(Feet Per Minute), MPH(Mile Per Hour), MPS(Meter Per Second), KPH(Kilometer Per Hour).

Specifications & Ordering information

<L1>

Spec. \ Model	DH.ANE5
3×Measuring Range	(1) Wind Speed : 0.5 ~ 44.7m/h, 60 ~ 3937ft/m, 0.4 ~ 38.8knt, 1.1 ~ 20.0m/s, 0.7 ~ 72.0km/h, 1 ~ 8bf, (2) Temp. : −15℃+50℃, (3) RH% : 0%RH ~ 100%RH
Accuracy	(1) Wind Speed : ±(3% of Reading +0.2m/s), (2) Temp. : ±1℃, (3) RH% : ±3%RH(at 25℃, 10 ~ 90%RH, other ±5%RH)
Resolution	(1) Temp. : 0.1℃/℉, (2) RH% : 0.1%RH
Response time	Temp. & RH% : 60 seconds (typical)
Display	(1) Windchill : −20.0℃+50.0℃, (2) Dew Point : −20.0℃+50.0℃, (3) Wet Bulb : −5.0℃+50.0℃, (4) Compass : 0~360 Degree
Operating Temp. & RH%	−15℃+50℃ & Humidity<80%
Storage Temp. & RH%	−20℃+50℃ & Humidity<90%
Battery	1×CR2032 Battery
Dimension & Weight	140×45×h25 mm (90° Folded), 235×45×h25 mm (180° Full Opened) / 90g LCD Size : 16×28mm
Standard Package	Meter / Battery / Manual / Strap / Paper Box
Cat. No. & Price ₩	**DH.Ane3005** — **₩ 180,830 / Set**
Spare ; DH.Ane3005.1	Mini Fan for Anemometer — **₩ 24,950 / Ea**

DAIHAN® Combo-Anemometer of Flow · Temp · RH% · Dew-point "ANE3", PC-interface, Datalogging
0.5m/s, −20℃+60℃, 0.1~99.9% RH, −20℃+59.9℃ D-point, & Wet Bulb, with 18mm Vane Probe & Cable, 정밀 아네모메타



Combo - Anemometer Hard Carrying Case

■ ***Supplied by DAIHAN Korea***

* Measures Air Velocity, Volume, Temperature, Humidity, Dew Point & Wet Bulb Temperature.
* Thermistor Temp. Sensor and Capacitive Humidity Sensor for Quick and Accurate Measurement.
* 18mm Mini Vane Probe with Built-in Temp. & Humidity Sensor. * 99 Single Point Memories.
* Winds Peed Metric and Imperial Units Selectable. * Up to 12000 Points Auto Datalogging Points.
* PC Interface for Data download * Date and Time Stamp (12-Hour or 24-Hour)

Specifications & Ordering information

<L1>

Spec. \ Model	DH.ANE3
3×Measuring Range	(1) Wind Speed : 0.5 ~ 20M/S, (2) Temp. : −20℃+60℃, (3) RH% : 0.1 ~ 99.9%RH
Accuracy	(1) Wind Speed : ±(3% of reading + 0.2M/S), (2) Temp. : ±0.6℃, (3) RH% : ±3%RH(at 25℃, 10 ~ 90%RH, other ±5%RH)
Resolution	(1) Temp. : 0.1℃/℉, (2) RH% : 0.1%RH
Response time	Temp. & RH% : 60 seconds (typical)
Display	(1) Wet Bulb & Dew Point Temp. : −20℃+59.9℃, (2) Air Volume : 0 to 99999m³/minute
Operating Temp. & RH%	0℃~50℃ & Humidity<80%
Storage Temp. & RH%	−10℃+50℃ & Humidity<90%
Battery	6×AAA Battery or 9V DC Adaptor
Dimension & Weight(g)	180×58×h24.5 mm (LCD Size : 54×37 mm) / 200g
Standard Package	Meter / Probe / Battery / Manual / Hard Carrying Case / Software Kit
Cat. No. & Price ₩	**DH.Ane3003** — **₩ 638,300 / Set**
Spare ; DH.Ane3003.1	Expanded Vane Probe, 273×18.5mm (1055mm Extended), w/Rubber Holder — **₩ 329,130 / Ea**

Articles	Cat. No	Description

DAIHAN® Digital Anemometer Set "A9201", for Air Velocity & Temperature, Max/Min/Average
With 10 Memories Data Storage · Recalling · Clearing, m/s · m/hr · ft/min · knots, and ℃/°F, 디지털 아네모메타 세트



Digital Anemometer Set, for Air Velocity / Temp.

■ ***Supplied by DAIHAN Korea***

- ∗ Ideal for Professional in Aviation, Laboratory and Ventilation Systems.
- ∗ CE Approval.
- ∗ Instant Display of the Air Velocity and Temperature.
- ∗ Maximum, Minimum and Average Calculation.
- ∗ Selectable Air Velocity Unit m/s, km/hr, mph, ft/min or Knots.
- ∗ Switchable Temperature Unit ℃/°F.
- ∗ 10 Memories Data Storage/Recalling/Clearing.
- ∗ 1/4in. 20 UNC Threading for Tripod Mounting.

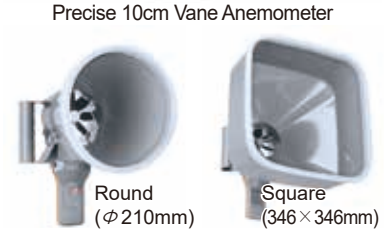
Specifications & Ordering information
〈L1〉

Spec. \ Model	A1.A9201
2× Measuring Range	(1) Temp.: −50℃+70℃ or −58°F+158°F, (2) Air Velocity : 0.5 to 45.0m/s · 1.8 to 162.0km/hr · 1.1 to 100.0mph, 98 to 880ft/min · 1.0 to 88.0knots
Accuracy	(1) Temp.: ±0.5℃(for 0℃~50℃) or ±0.9°F(for 32°F~122°F), otherwise ±1℃ or 1.8°F, (2) Air Velocity : ±2%
Resolution	(1) Temp.: 0.1 for whole Range, (2) Air Velocity : 0.1
Ambient Temp.	0℃~50℃ or 32°F~122°F
Probe Type	NTC-Probe : 76×67×32mm (1Meter Cable)
Color	Grey
Battery	3×1.5V AAA Battery
Dimension / Weight(g)	Unit : 85×175×h39mm (LCD Size : 54×35 mm) / 200g Vane-Probe : 76×67×32mm, Length 125mm / 130g
Cat. No. & Price ₩	**A1.A9201** — **₩ 152,490 / Ea**

DAIHAN® Precise 10cm Vane Anemometer of Flow · Temp · RH% · Dew-point · Wet Bulb · Air Volume "ANE7"
With Optional Air Flow Cones, 0.2~30m/s, −20℃+60℃, 0.1~99.9% RH, D-point & 99,999m³/min., 정밀 아네모메타



Precise 10cm Vane Anemometer



Air Flow Cone Set(Option)

■ ***Supplied by DAIHAN Korea***

- ∗ Measures Air Velocity, Volume, Temperature, Humidity, Dew Point & Wet Bulb Temperature.
- ∗ Built-in Thermistor Temp. & Capacitive Humidity Sensor for Quick and Accurate Measurement.
- ∗ Unlimited Points & Time Weighted Average Auto Calculation.
- ∗ Display Max./Min. Value.
- ∗ Hold Function Freezes Current Readings
- ∗ Inlet and Outlet Measurement is Doable
- ∗ Auto Power off 20mins Inactivity.
- ∗ Low Battery Indicator
- ∗ Blue Backlight for Dark Area Operation.

Specifications & Ordering information
〈L1〉

Spec. \ Model	DH.ANE7
3× Measuring Range	(1) Wind Speed : 0.2 ~ 30M/S, (2) Temp. : −20℃+60℃ (3) RH% : 0.1%RH ~ 99.9%RH
Accuracy	(1) Wind Speed : ±(1.5% of Reading +0.3m/s) for under 20m/s, ±(3% of Reading +0.3m/s) for above 20m/s, (2) Temp. : ±0.6℃, (3) RH% : / ±3%RH(at 25℃, 10 ~ 90%RH, other ±5%RH)
Resolution	(1) Temp : 0.1℃/°F, (2) RH% : 0.1%RH
Response time	Temp. & RH% : 60 seconds (typical)
Display	(1) Wet Bulb Temp. : −20℃+59.9℃, (2) Dew Point Temp. : −5℃+59.9℃, (3) Air Volume : 0 to 99999m³/minute
Operating Temp. & RH%	0℃~50℃ & Humidity < 80%
Storage Temp. & RH%	−10℃+50℃ & Humidity < 90%
Battery	4×AAA Battery
Dimension & Weight	269×106×h51 mm (LCD Size : 32.5×54 mm) / 200g
Standard Package	Meter / Manual / Battery / Hard Carrying Case
Cat. No. & Price ₩	**DH.Ane3007** — **₩ 396,500 / Set**
Option ; DH.Ane3007.1	Air Flow Cone, Round(Φ210mm) + Square(346×346mm) Set — **₩ 274,280 / Set**

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description


(1) Class 1,000


(2) Class 10,000

Apro® Clean Room Apron, Polyester & Carbon, Waterproof Urethane Coated-Fabric
Ideal for Clean Room, Electronics, Computer, **크린룸 앞치마**

■ ***Made in Korea*** ■ ***Made of Polyester & Carbon*** ■ ***분진 발생을 최소화하여 전자산업 등에 적합***

∗ Anti-electrostatic. Conductive Filament Yarn Piece
∗ Polyurethane Coated Apron is Suitable for the water-soluble Chemicals working Process
∗ Ideal for the Semiconductor Fabrication, Precision Electronics Industry

〈L3〉

		dh pk.	Price, ₩	Pk.	Price, ₩
A7.A001	(1) Apron, Protection Against Dust, Basic-type, Length : 80cm	1ea	4,200	10ea	38,820
A7.A002	(2) , Waterproof, Urethane Coating, Length : 108cm	1ea	7,630	10ea	70,540


NEW

Disposable Apron, PE, Size Adjustable, **일회용 앞치마**

■ ***Material : PE(Polyethylene)*** ■ ***감염방지, 길이·옷깃 조절 가능***

∗ Length and Neck Portion are Adjustable with the Perforation Provided at the Back of the Neck Portion and the Side Waist 〈L2〉
∗ It is Easy to Take the Apron off by Pulling it Forward ∗ Thickness : 0.025mm

		dh pk.	Price, ₩	Pk.	Price, ₩
SL.Apr3011	Apron, PE, Disposable, 76×128cm, Free-size	2ea	1,020	50ea	16,680


NEW

Chemical Resistant Apron, Coated Non-woven PP Fabric/Poly-vinyl, Length 110cm
Ideal for Handling Hazmat & Liquid, **내화학 코팅 앞치마**

■ ***Made in Korea*** ∗ Excellent chemical resistance.
∗ Band for Adjustable Neck and waist Size, Easy to Attach / Removal use By waist Buckle
∗ Non-woven polypropylene fabric repels water-based liquids.
∗ Lightweight and Comfortable to wear

※ **Cs. 운임 별도** 〈L3〉

		Pk.	Price, ₩	Cs.	Price, ₩
Y2.4400166	Apron, Coated Non-woven PP Fabric, 82×L110cm, Grey	5ea	17,330	20pk	320,630


Chemical Resist

3M® "Microchem® 3000" Chemical Resistant Apron, Made of Polypropylene
Durable & Wearable, KOSHA Certified, **내화학 앞치마, 유기화합물용**

■ ***한국산업안전보건공단 유기화합물용 보호복 인증 획득 상품, 광범위한 케미칼에 대한 보호도 제공***
■ ***KOSHA(Korea Occupational Safety and Health Agency) Certified***
∗ Excellent Resistance to a Wide Range of Chemicals

〈B4〉

		Ea.	Price,₩
3M.MC3000	"Microchem® 3000" Apron, Chemical Resistant, Yellow, Free-size		6,340

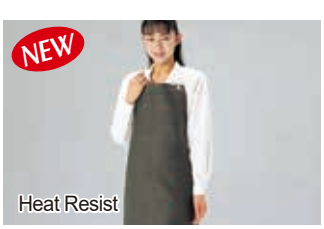

NEW
Chemical Resist

Chemical Resistant Apron, Teflon Laminated Polyester, **내약품성 앞치마**

■ ***내약품성·항곰팡이 기능*** ■ ***세탁 가능하며 반복 사용***
∗ This Aprons with Fluorine-laminated Processing are Stain-resistant, and Highly Resistant to Chemicals and Molds.
∗ Washable, and can be Used Repeatedly ∗ Material : Polyester(With Fluorine Laminated)
∗ Back of the Neck : Rubber Type

〈L2〉

		Ea.	Price, ₩
SL.Apr4011	"E-1201-0G" Apron Chemical Resistance, 54×100cm		82,130


NEW
Heat Resist

Chemical & Heat Resistant Apron, 500℃, **내약품 & 내열 앞치마**

■ ***내열·내구·내약품성이 뛰어난 소재 사용***
∗ Excellent in Cut resistance and hold Protection Performance ∗ Washable
∗ The Material is Excellent in Heat Resistance, Durability, and Chemical Resistance
∗ Material : Mixed Spinning of Flame-Resistant Acrylic Fiber and the Para-Based Aramid Fiber

〈L2〉

		Ea.	Price, ₩
SL.Apr3012	"EMA-18" Apron, Heat Resistant, 660×940mm, 500℃		158,790


Neck and Waist Buckle

Cryogenic Protection Apron, Waterproof, Preventing Frostbite & Burn, −250℃
Ideal for LNG, Cold Storage Work, Handling Cryogenic Sample, **저온용 앞치마**

■ ***Supplied by DAIHAN Korea***
■ ***5겹으로 제작되어 보온성이 뛰어남*** ■ ***위험물질로부터 작업자를 장시간 보호함***
■ ***Not Intended for Immersion in Cryogenic Liquid***
∗ Adjust the Neck and Waist Strap Size with Buckle ∗ Material : Taslon(100% Nylon Yarn)
∗ Sufficient Length to Prevent Splashing on the Abdomen and Leg

〈L1〉

		Ea.	Price, ₩
DH.Apr3021	Apron, for Cryogenic Protection, Waterproof, Medium, L110cm		201,220
DH.Apr3022	, Large , L120cm		217,980

Articles	Cat. No	Description



Apro® Clean Room Arm Cover, Polyester & Carbon, Length 355mm, 크린룸 방진/방전 토시

■ ***Made in Korea***
■ ***반도체, 정밀전자 산업 등의 보조 보호구 사용에 적합함***
∗ Anti-Electrostatic. Conductive Filament Yarn Piece
∗ Dyed 100% Polyester & Carbon.

〈L3〉

		dh pk.	Price, ₩	Pk.	Price, ₩
A7.A003	(1) Arm Cover, Basic-model	1ea	1,900	20ea	25,320
A7.A004	(2) , Urethane Coated-model	1ea	2,790	20ea	37,130



Disposable Arm Cover, Non-woven, Free size, Blue, Length 300mm With Wrist-Band, 일회용 부직포 팔토시

∗ Comfortable Cotton & PE Wrist Band

〈B3〉

		dh pk.	Price, ₩	Pk.	Price, ₩
G6.022	Arm Cover, Non-woven, Free-size, 200×L300mm	1ea	460	60ea	25,410

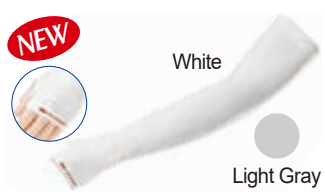


Waterproof Arm Cover, Free Size, White, Reusable, Length 400mm Made of Polyurethane, 방수 재사용 팔토시

■ ***가볍고 착용감이 뛰어남***
∗ Lightweight & Soft, Excellent Fit

〈B3〉

		dh pk.	Price, ₩	Pk.	Price, ₩
G6.021	Arm Cover, PU Waterproof, Free-size, L400mm	1ea	1,890	60ea	74,850



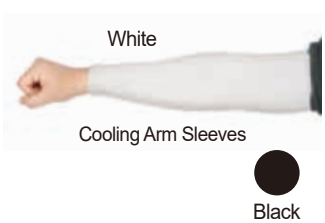
Protective Hand-Arm Cover

3M® Protective Cooling Hand-Arm Cover, Made of AQUA-X Fiber, Free Size, L390~400mm Ideal for Outdoor and Industry, High Absorbency, UV Protection, 핸드 암 쿨토시, 자외선 차단

■ ***AQUA-X원사 사용으로 최상의 착용감과 통기성이 뛰어남***
∗ Offers High UV Protection and High Absorbency
∗ Excellent for Variety of Outdoors Activities
∗ With Quick Drying and Wind Resistance Features
∗ Best Fitting Condition Thanks to Ergonomic Design

〈B4〉

		Pair.	Price, ₩	Cs.	Price, ₩
3M.PS2000H.G	"PS 2000H" Arm Cover, Protective Hands-type, Light Gray		5,150	100pair	476,000
3M.PS2000H.W	, White		5,150	100pair	476,000



Cooling Arm Sleeves

ORUN™ Cooling Arm Cover, UVA & UVB 99.9% Protection, Sweat Absorbent, L360mm Ideal for Outdoor, Laboratory and Industry, <Korea-Made> 자외선 차단 쿨토시

■ ***Supplied by SciLab Korea***
■ ***KATRI(한국의류시험연구원) 아릴아민 & 폼알데하이드 테스트 통과***
■ ***압박감이 없고 흘러내림이 없어 부드러운 착용 감으로 야외 활동, 실험실 및 작업실 등에 사용에 적합***
∗ Made of Polyurethan & Polyamid
∗ Comfortable and Flexible

〈B2〉

		Pk.	Price, ₩	Cs.	Price, ₩
SL.App3031	Arm Cover, Cooling, Free Size, L360mm, White	1pair	2,390	500pk	1,155,930
SL.App3033	, Black *New*	1pair	2,390	500pk	1,155,930



AnySafe™ Clean Room Cap, Polyester, Class 1000, 크린룸용 방진모, 정전기 방지

■ ***Supplied by DAIHAN Korea*** ■ ***Made of Polyester***
∗ Anti-electrostatic. Conductive Filament Yarn Piece
∗ Good for Over 1000 Class Clean Room & Laboratory
∗ 1000 Class(NHB5340.2) : 0.5㎛ Particles Under 1,000Ea. / 1ft³

〈L1〉

		Ea.	Price, ₩
DH.Cap3301	(1) Cap, Men Basic-type		4,590
DH.Cap3302	(2) , Women Basic-type		4,590



AnySafe™ Antistatic Clean Room Hair Cap, Polyester & Carbon, Disposable Class 1000, 크린룸 일회용 캡, 정전기 방지

■ ***Supplied by DAIHAN Korea*** ■ ***Made of Dyed 100% Polyester & Carbon***
∗ Anti-electrostatic. Conductive Filament Yarn Piece
∗ Good Fit and Comfort, Using a Soft Band
∗ 1000 Class(NHB5340.2) : 0.5㎛ Particles Under 1,000Ea. / 1ft³

〈L1〉

		Pk.	Price, ₩	Cs.	Price, ₩
DH.Cap3306	Hair Cap, Disposable	100ea	9,680	20pk	178,250

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



(1) Premium-type (2) Lightweight-type

Disposable Cap, Non-Woven Fabric, Eco Friendly Material
With Soft Band, Premium/Lightweight-type, Free-size, White, **일회용 라운드 캡, 부드러운 밴드사용**

■ ***부드러운 밴드를 사용하여 착용감이 좋음*** ∗ Good Fit and Comfort, Using a Soft Band

(1) Disposable Premium-type

〈B3〉

		Cs.	Price, ₩
G6.011	Hair Cap, Disposable, Premium-type, Free-size, 40g	50ea	11,350

(2) Disposable Lightweight-type

		dh pk.	Price, ₩	Cs.	Price, ₩
G6.012	Hair Cap, Disposable, Lightweight-type, Free-size, 25g	10ea	1,640	10pk	15,120



(1) Antistatic Shoe & Boot



(2) Antistatic Safety Shoe & Boot

Apro® Antistatic 100-class Clean Room Shoe & Boot, 정전기 방지 크린룸용 방진화 & 부츠

■ ***Made in Korea*** ■ ***Good for Over 100 Class Clean Room & Laboratory***
■ ***Polyurethane Sole Provide Excellent Protection Against Dust and Particle***
∗ 100 Class(NHB5340.2) : 0.5㎛ Particles Under 100Ea. / 1ft³

(1) Antistatic Shoe & Boot (5/10mm Unit Size)

■ ***신체 접촉부위 방진 원단 연결로 높은 통전성 확보와 인체공학적 밑창으로 장시간 착용 시에도 피로하지 않음***
∗ Light-weighted - 40% Lighter than PVC Material

〈L3〉

		Pair.	Price, ₩
A7.SH1001	Shoe, for Clean Room, 230~290mm (5mm Unit Size)		16,040
A7.SH4001	Boot , for Clean Room, 230~280mm (10mm Unit Size)		21,940

(2) Antistatic Safety Shoe & Boot (5/10mm Unit Size)

■ ***제전성과 통기성이 우수함*** ∗ Protected Foot By Built In Ceramic Coated Safe Steel

		Pair.	Price, ₩
A7.SH5001	Safety Shoe, for Clean Room, 235~290mm (5mm Unit Size)		38,820
A7.SH6001	Safety Boot , for Clean Room, 240~280mm (10mm Unit Size)		45,570



Blue White

AnySafe™ Antistatic Clean Room Shoe Cover, Non-woven Fabric
Clean Class 10,000, **크린룸/정전기 방지 신발 커버**

■ ***Supplied by DAIHAN Korea*** ■ ***단층구조 장섬유 부직포로 제조되어 작업자의 공정보호에 효과적***
■ ***정전기 방지*** ■ ***분진 및 소량의 액상물질 방어에 적합***
∗ Anti-electrostatic. Conductive Filament Yarn Piece ∗ Free-size

〈L1〉

		Pk.	Price, ₩	Cs.	Price, ₩
DH.App6501	Shoe Cover, for Clean Room, Blue	50pair	10,950	10pk	101,370
DH.App6502	, White	50pair	10,950	10pk	101,370



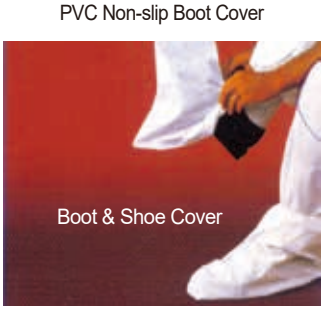
PVC Non-slip Boot Cover

3M® "450" Disposable PVC Non-Slip Boot Cover, Durable, Low Linting Fabric
Anti-static, Lightweight, Universal Size, White, **일회용 정전기 방지 신발 & 부츠 커버**

■ ***내구성 및 보호도가 우수***
∗ Ideal for Protection Particles & Chemical Liquids ∗ Easy to ON & Off
∗ Slip Resistant Sole to Help Improve User Safety ∗ Good Fit for a Wide Range of Users

〈B4〉

		Ea.	Price, ₩
3M.03.450	"450" Boot Cover, Microporous Laminate, Non-slip		3,170



Antistatic 3 Layers Non-woven Boot & Shoe Cover, 정전기 방지 부츠커버

Lightweight cover is completely sealed to prevent shedding of particulates.
Static Shielding helps to protect products and processes.

■ ***미세분진 및 액상의 화학물질 방어에 적합***
∗ Ideal for Protection Particles & Chemical Liquids ∗ Non-woven 3-Layers, White
∗ Anti-electrostatic has become Effective Product & Process

〈L3〉

		Pk.	Price, ₩	Cs.	Price, ₩
Y2.44041	Boot Cover	25pair	41,930	4pk	155,250
Y2.44600	Shoe Cover	50pair	26,440	6pk	146,820



Foot Strap, Antistatic & Non-slip, Resistance 1㏁, 정전기 방지/미끄럼 방지 풋 스트랩

■ ***미끄럼 방지 풋 스트랩*** ■ ***후면부 재질 : 나일론***
∗ Heel Strap of Anti-Slip type

〈L2〉

		Ea.	Price, ₩
SL.App6021	"BH-901RA" Foot Strap, 1㏁		21,800

Articles	Cat. No	Description



mediclin® White Cotton Lab Coat/Gown, 100% Cotton, General Purpose
Ideal for Laboratory & Medical, <Korean-Made> 순면 백색 가운

■ ***Supplied by DAIHAN Korea***

(M2)

(1) For Male, 100% Cotton		Ea. Price,₩	(2) For Female, 100% Cotton		Ea. Price,₩
DM.App6001	Lab Coat, 100% Cotton, S	35,350	**DM.App6006**	Lab Coat, 100% Cotton, S	35,350
DM.App6002	, M	35,350	**DM.App6007**	, M	35,350
DM.App6003	, L	35,350	**DM.App6008**	, L	35,350
DM.App6004	, XL	35,350	**DM.App6009**	, XL	35,350



mediclin® White Classic Poly-Cotton Lab Coat/Gown, 65% Polyester + 35% Cotton
Ideal for Laboratory & Medical, <Korean-Made> 표준형 백색 가운, 사계절용

■ ***Supplied by DAIHAN Korea***

(M2)

(1) For Male, Classic-type		Ea. Price,₩	(2) For Female, Classic-type		Ea. Price,₩
DM.App6011	Lab Coat, Classic P/C, S	31,730	**DM.App6016**	Lab Coat, Classic P/C, S	31,730
DM.App6012	, M	31,730	**DM.App6017**	, M	31,730
DM.App6013	, L	31,730	**DM.App6018**	, L	31,730
DM.App6014	, XL	31,730	**DM.App6019**	, XL	31,730



mediclin® White Lightweight Lab Coat/Gown, Good for Summer, 65% Polyester + 35% Cotton
Ideal for Laboratory & Medical, <Korean-Made> 얇은 소재의 백색 가운, 여름용에 적합

■ ***Supplied by DAIHAN Korea***

(M2)

(1) For Male, Light-type		Ea. Price,₩	(2) For Female, Light-type		Ea. Price,₩
DM.App6021	Lab Coat, Light P/C, S	35,350	**DM.App6026**	Lab Coat, Light P/C, S	35,350
DM.App6022	, M	35,350	**DM.App6027**	, M	35,350
DM.App6023	, L	35,350	**DM.App6028**	, L	35,350
DM.App6024	, XL	35,350	**DM.App6029**	, XL	35,350



mediclin® Sky Blue Lab Coat/Gown, 85% Polyester + 15% Cotton
Ideal for Laboratory & Medical, <Korean-Made> 고급형 하늘색 캐논 가운

■ ***Supplied by DAIHAN Korea***

(M2)

(1) For Male		Ea. Price,₩	(2) For Female		Ea. Price,₩
DM.App6032	Lab Coat, Sky Blue P/C, M	58,920	**DM.App6036**	Lab Coat, Sky Blue P/C, S	58,920
DM.App6033	, L	58,920	**DM.App6037**	, M	58,920
DM.App6034	, XL	58,920	**DM.App6038**	, L	58,920

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description

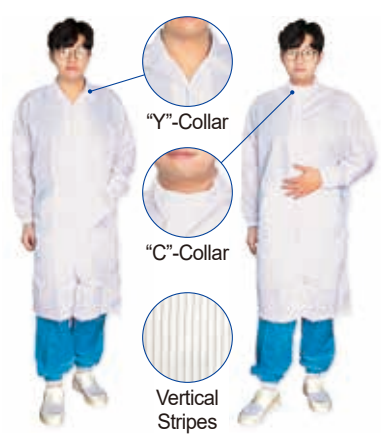


A. One-Piece type



(1) "Y"-Collar (2) "C"-Collar

B. Two-Piece type



(3) "Y"-Collar (4) "C"-Collar

C. Gown Only

AnySafe™ Clean Room Wear, Polyester & Carbon, Class 1000

Ideal for Clean Room, Anti-Static · Dust Free · Germ Free, **크린룸 웨어, 정전기 방지**

■ ***Supplied by DAIHAN Korea***

- ∗ Dyed 100% Polyester & Carbon
- ∗ Anti-electrostatic. Conductive Filament Yarn Piece
- ∗ Good for Clean Room & Laboratory
- ∗ 5mm Spacing of Stripe ESD Conductive Thread
- ∗ Easy to Put on and Remove
- ∗ Comfortable to Work in
- ∗ Basic Color : White

A. One-Piece type, "C"-Collar, Front Zipper Closure

■ ***상 · 하의 일체형으로 Particle 발생을 최소화 한 디자인***

- ∗ Low Particle & High Filteration
- ∗ Good for Over 1~1,000 Class Clean Room & Laboratory
- ∗ 1000 Class(NHB5340.2) : 0.5㎛ Particles Under 1,000Ea. / 1ft³
- ∗ Exclude Shoes

〈L1〉

		Ea.	Price, ₩
DH.Wea3001	Clean Room Wear(O/P), Medium (Height 155~160cm)		28,950
DH.Wea3002	, Large (Height 160~165cm)		28,950
DH.Wea3003	, X-Large (Height 165~170cm)		28,950
DH.Wea3004	, 2X-Large (Height 170~175cm)		28,950

B. Two-Piece type, Front Zipper Closure

■ ***활동성에 중점을 둔 투피스 타입***

- ∗ Good for Over 1,000~10,000 Class Clean Room & Laboratory
- ∗ Exclude Shoes

(1) Two-Piece type, "Y"-Collar

		Ea.	Price, ₩
DH.Wea3011	Clean Room Wear(T/P), Medium (Height 155~160cm)		25,430
DH.Wea3012	, Large (Height 160~165cm)		25,430
DH.Wea3013	, X-Large (Height 165~170cm)		25,430
DH.Wea3014	, 2X-Large (Height 170~175cm)		25,430

(2) Two-Piece type, "C"-Collar

		Ea.	Price, ₩
DH.Wea3016	Clean Room Wear(T/P), Medium (Height 155~160cm)		25,430
DH.Wea3017	, Large (Height 160~165cm)		25,430
DH.Wea3018	, X-Large (Height 165~170cm)		25,430
DH.Wea3019	, 2X-Large (Height 170~175cm)		25,430

C. Gown Only, Front Zipper Closure

■ ***준 클린룸 및 연구실에서 평상복위에 착용.*** ■ ***무릎까지 내려오는 기본 가운형태***

- ∗ Good for Over 10,000 Class Clean Room & Laboratory

(3) "Gown only", "Y"-Collar

		Ea.	Price, ₩
DH.Wea3021	Clean Room Gown, Medium (Height 155~160cm)		14,880
DH.Wea3022	, Large (Height 160~165cm)		14,880
DH.Wea3023	, X-Large (Height 165~170cm)		14,880
DH.Wea3024	, 2X-Large (Height 170~175cm)		14,880

(4) "Gown only", "C"-Collar

		Ea.	Price, ₩
DH.Wea3026	Clean Room Gown, Medium (Height 155~160cm)		14,880
DH.Wea3027	, Large (Height 160~165cm)		14,880
DH.Wea3028	, X-Large (Height 165~170cm)		14,880
DH.Wea3029	, 2X-Large (Height 170~175cm)		14,880

3M® Premium Multi-Protective Clothing, Protection against Micro-organisms and Virus (EN 14126) and Hazardous Particle Anti-Static (EN 1149), Hoody-type, Ideal for Medical and Industry, Type 3 & 4 & 5 & 6, 프리미엄 안전 보호복, 방역 · 방진 · 내약품



(1) MG2000

Symbol Features

① Type3	**액상차단&보호** / **Liquid Jet Protection** 방향성이 있고 강하게 분사되는 액상 케미칼에 대해 보호가능 **<EN 340>**	⑤	**정전기 방지** / **Anti-Static** **<EN 1149>**
② Type4	**스프레이 차단** / **Liquid Spray Protection** 보호복에 고일정도로 분사되는 응축된 액상 케미칼에 대해 보호가능 **<EN 340>**	⑥	**방사능오염 방지** / **Protection against Nuclear Particles** **<EN 1073>**
③ Type5	**분진 차단** / **Hazardous Particulate Protection** 유해한 분진입자로부터 보호가능 **<EN 340>**	⑦	**항 바이러스 차단&보호** / **Protection against Micro-organisms and Virus** **<EN14126>**
④ Type6	**제한적 스프레이 차단** / **Liquid Splash Protection** 방향성이 없는 액상케미칼의 분무에 대한 보호가능 **<EN 340>**		

∗ Size Guide Line : 1) M - Height 170~176cm, Chest Size 92~100cm 2) L - Height 176~182cm, Chest Size 100~108cm
3) XL - Height 182~188cm, Chest Size 108~115cm



(2) MG2500

(1) "MG 2000" for Particle & Virus Protection, Microporous Laminated-type, Breathable

■ ***분진, 바이러스, 정전기, 방사능 오염으로부터 보호*** ∗ Microporous Coating for Super Protection and Ventilation
∗ EN 340 Type 5 : Particle Protection, Type 6 : Limited Liquid Splash Protection
∗ Elasticated Hood, Waist, Ankles and Wrist for Convenient Safe Wear and Freedom of Movement
∗ Double Coating Storm Flap for Dust Protection

〈B4〉

		③ ④ ⑤ ⑥ ⑦	Ea.	Price, ₩
3M.MG2000.M	"MG2000", Apparel, One-Piece-Hood, White, M			9,610
3M.MG2000.L	, L			9,610
3M.MG2000.XL	, XL			9,610



Double Zipper

(3) MG3000, *"KOSHA Certified"* Double Cuff

(2) "MG 2500" for Liquid, Particle and Virus Protection, Microporous Laminated type, Breathable

■ ***액체, 분진, 바이러스, 정전기, 방사능오염으로부터 보호*** ∗ Storm Flap with Full Sealable Tape for Extra Protection
∗ EN 340 Type 3 : Liquid Jet Protection, Type 4 : Liquid Spray Protection, Type 5 : Particle Protection
∗ Microporous Film Coating allows to High Protection and Ventilation

		① ② ③ ④ ⑤ ⑥ ⑦	Ea.	Price, ₩
3M.MG2500.L	"MG2500", Apparel, One-Piece-Hood, White, L			21,120
3M.MG2500.XL	, XL			21,120

(3) "MG 3000" for Chemicals, Particle and Virus Protection, "KOSHA Certified", with Double Zipper & Cuff

■ ***케미칼, 분진, 바이러스, 정전기, 방사능오염으로부터 보호*** ■ ***솔기를 열 접착 후 테이프 처리하여 최상의 보호도 제공***
■ ***KOSHA (Korea Occupational Safety Health Agency) Certified***
∗ EN 340 Type 3 : Liquid Jet Protection, Type 4 : Liquid Spray Protection, Type 5 : Particle
∗ Suitable for Chemical Mixing & Handling, Pesticide Spraying, and Tank Cleaning & Maintenance
∗ Designed to offer a Barrier to Hazardous Particles and Certain Liquid Splashes, Sprays and Jets

		① ② ③ ⑤ ⑥ ⑦	Ea.	Price, ₩
3M.MG3000.L	"MG3000", Apparel, One-Piece-Hood, *"KOSHA Certified"*, Yellow, L			34,370
3M.MG3000.XL	, XL			34,370



(4) 4570

(4) "4570" for Chemicals, Particle and Virus Protection, with Double Zipper & Cuff, Premium Protection-type

■ ***케미칼, 분진, 바이러스, 정전기, 방사능오염으로부터 보호***
∗ EN 340 Type 3 : Liquid Jet Protection, Type 4 : Liquid Spray Protection, Type 5 : Particle
∗ Suitable for Chemical Mixing & Handling, Pesticide Spraying, and Tank Cleaning & Maintenance
∗ Designed to offer a Barrier to Hazardous Particles and Certain Liquid Splashes, Sprays and Jets
∗ Perfect Seam Protection with Heat Sealed and Taped.

		① ② ③ ④ ⑤ ⑥ ⑦	Ea.	Price, ₩
3M.4570.L	"4570", Apparel, One-Piece-Hood, Gray, L			24,030
3M.4570.XL	, XL			24,030



(1) A30 (2) A10

KleenGuard® Liquid & Particle Protective Apparel, Two-piece type, Sky-Blue Anti-Static, Breathable, 방진 · 방수/방유 보호복

■ ***미세분진 및 친수 · 친유액체 방어에 적합함*** ■ ***For Protect Fine-Dust / Hydrophilic & Lipophilicity Liquids***
∗ Patented Microforce ∗ Barrier SMS Fabric ∗ 'A10' ; Lightweight Spunbond Polypropylene Material Provides Great Comfort

〈L3〉

(1) "A30" Splash & Particle Protective, Type 5 & 6 고급 보호복

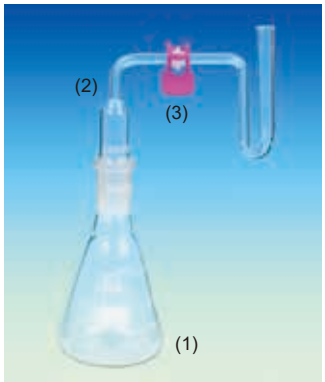
		Ea. Price,₩	Cs.	Price, ₩
Y2.43111	Apparel, A30, Two-Piece, Jacket only, Sky-Blue, Large	7,840	24ea	174,150
Y2.43112	, X-Large	7,670	24ea	170,100
Y2.43121	, Pants only, Sky-Blue, Large	5,290	24ea	117,450
Y2.43122	, X-Large	4,750	24ea	105,300

(2) "A10" Light Duty Splash & Particle Protective, 경미한 보호복

		Ea. Price,₩	Cs.	Price, ₩
Y2.43051	Apparel, A10, Light Duty, Two-Piece, Jacket only, Cobalt Blue, Large	6,390	24ea	141,750
Y2.43052	, Pants only, Cobalt Blue, Large	3,650	24ea	81,000

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



Arsine Generator Set, with ASTM Joints, 비소 발생장치

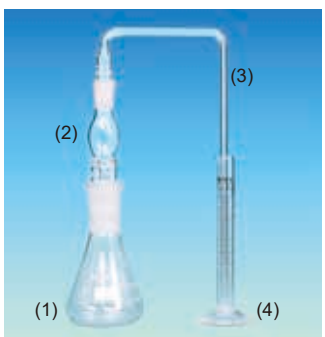
■ ***Joining of DURAN® Original Borosilicate Glass 3.3 : by SciLab Korea***
■ ***Custom-Made Available***

For Arsine Analysis Using the Silver Diethyldithiocarbamate (SDDC) Colorimetric Method.
The Arsine Absorber has a Socket Joint while the Scrubber Tube has a 24/40 Joint and a 13/5 Ball Joint held together by a size 13 POM(Polyoxymethylene resin) Ball Joint Clamp.
Meets Specifications of ASTM/USP and EPA.

∗ Consists of : (1) Arsine Absorber - Including Socket Joint, 200㎖ Flask with 24/40
(2) Scrubber Tube-24/40 Joint (3) 13/5 Ball Joint Clamp
∗ ASTM Type Ⅰ Class A, USP Type Ⅰ Standards

〈L1〉

Cat. No	Description	Ea. Price, ₩
SL.App2015	Arsine Generator, 200㎖ Complete Set with ASTM 24/40 Joint	83,600



Arsine Testing Apparatus Generator, with ASTM Joints
With 50㎖ Ring-mark Bottle, 비소시험장치, "환경시험법기준"에 준함

■ ***Joining of DURAN® Original Borosilicate Glass 3.3 : by SciLab Korea***
■ ***Borosilicate Glass 3.3 : Meets ASTM Type I Class A and USP Type I Standard***
■ ***Joint : 24/40, 14/23***

※ Consists of :
(1) Erlenmeyer Flask 50㎖, 24/40 (2) Adapter, 24/40 cone, 14/23 socket
(3) Upper Adapter, 14/23 cone (4) Cylinder, 10㎖

〈L1〉

Cat. No	Description	Ea. Price, ₩
SL.App2024	Arsine testing apparatus generator, 50㎖, with ASTM 24/40 Joint	67,040

Autoclaves

※ The Details ; See the "Sterilizers" Section, Page 750~753 !

Autoclaves, Bench-top Front Door ····· P. 750
, Front Door ····· P. 753
, Top-Loading / Vertical ····· P. 751~752
, Accessories ····· P. 752



Top-Loading / Vertical,
47·60·80·100 Lit
"MaXterile™"

Bench-top Front Door, 25 · 40 Lit
"Ste.B"

Front Door, 90Lit
"Ste90.F"

Articles	Cat. No	Description



(1)

Cleanwrap® Disposable Heavy-duty Clean Bag, HDPE, Non-Toxic, BPA Free
Good for Food Storage Bag, Ambient Temp −60℃+120℃, **튼튼하고 다양한 일회용 크린백**

■ ***Made in Korea*** ■ ***Secured & Certified Raw Materials by FDA***
* Sanitary Storage, Available on Microwave Oven
* Made of High-density Polyethlylene(HDPE)
* Safe for Food, Keeps Food Fresh

(1) Portable Clean Bag, Pull-out-use, 25×h35cm, 30 Bags×3, 뽑아쓰는 휴대용 크린백

■ ***포켓 사이즈로 편리한 휴대 가능***
* Pocket Size Makes Portable
* Packing Outer Size : 9.5×3.5×h4cm
* Convenience for Outdoor Activities

〈B4〉

		Pk.	Price, ₩	Cs.	Price, ₩
C10.111	Clean Bag, Portable-type, 25×h35cm, 30 Bags×3	30Bags×3	3,660	30pk	101,400



(2)

(2) Clean Roll Bag, Tear-off-use, 25×h35cm & 30×h40cm, 200 Bags, 뜯어쓰는 다용도 크린롤백

■ ***편리하게 한 장씩 뜯어 사용*** ■ ***인체에 무해***
* Good for Various Storage : Keep Fresh Vegetables & Fruits, Freeze Meat & Fish, Preserve Food form Drying
* Excellent Sterilizing : Composition An Ingredient Silver-nano

		Pk.	Price, ₩	Cs.	Price, ₩
C10.301	Clean Roll Bag, 25×h35cm, 200 Bags	200Bags	4,270	30pk	118,480
C10.302	, 30×h40cm, 200 Bags	200Bags	5,540	20pk	102,330



Clean Bag

Cleanwrap® Disposable Clean Bag, Hi-Soft LLDPE, Non-toxic, Pull-out-use
Good for Food Storage Bag, Ambient Temp −60℃+120℃, **뽑아쓰는 일회용 크린백**

■ ***Made in Korea*** ■ ***한 장씩 뽑아 사용 가능해 편리*** ■ ***Secured & Certified Raw Materials by FDA***
* Obtaining a Patents in a Non-toxic Film Manufacturing Method in U.S.A. Japan, Australia, China and Korea
* Sanitary Storage & Available on Microwave Oven
* Made of Linear Low-density Polyethylene
* Q- / SF(Sanitary Finished)-Marked

〈B4〉

		Pk.	Price, ₩	Cs.	Price, ₩
C10.201	Clean Bag, Non-toxic, Small , 17×h25cm, 100 Bags	100Bags	1,580	50pk	72,800
C10.202	, Medium, 25×h35cm, 50 Bags	50Bags	1,620	50pk	74,260
C10.203	, Large , 30×h45cm, 100 Bags	100Bags	3,570	40pk	131,720



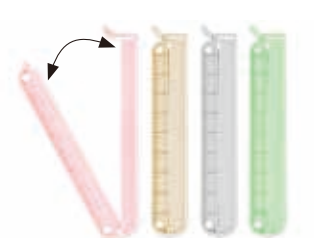
Clean Zipper Bag

Cleanwrap® Reusable Heavy-duty Clean Zipper Bag, LLDPE, Non-toxic, 50㎛-thick
Good for Food Storage Bag, Ambient Temp −60℃+120℃, Pull-out-use, **뽑아쓰는 크린지퍼백, 재사용용**

■ ***Made in Korea*** ■ ***이중 지퍼 잠금장치로 밀폐력 및 신선도 강화*** ■ ***Secured & Certified Raw Materials by FDA***
* Excellent Airtight Power, Round Zipper Locker Prevents Leakage
* Obtaining a Patents in a Non-toxic Film Manufacturing Method in U.S.A. Japan, Australia, China and Korea
* Sanitary Storage & Available on Microwave Oven
* Made it One by One for Easier and Neater Use
* Made of Linear Low-density Polyethylene

〈B4〉

		Pk.	Price, ₩	Cs.	Price, ₩
C10.103	Clean Zipper Bag, Non-toxic, 18×h20cm, 20 Bags	20Bags	2,200	30pk	60,760
C10.104	, 25×h30cm, 20 Bags	20Bags	3,680	30pk	101,800
C10.106	, 30×h35cm, 15 Bags	15Bags	3,790	24pk	83,930



PP Sealing Clip Set

Sealing Clip Set, PP, for Sample Bags, Autoclavable, 플라스틱 밀폐클립세트

■ ***Made in Korea***
■ ***Sealing Part : 11cm*** ■ ***4PCS-Set***
* Ideal for Sealing All Types of Sample Bags and Storage.
* Convenient, Durable and Reusable.
* Multicolor features make it easy to find it.
* The Clips with Round of Edge will not Snag or Rip on Your Sample Bags
* PP (Polypropylene), Autoclavable.
* Incl. 4 Color (Beige/Green/Grey/Pink)
* Easy to Open and Close



〈B1〉

		Set.	Price, ₩
DH.Cli3001	Sealing Clip Set, PP, 125×22×h12mm, 4ea/set	4ea	2,040

Articles	Cat. No	Description



(1)

SciLab® Sample Bag, PE, with Zipper Lock, 5×h7cm~50×h70cm
0.07 or 0.08mm Thick, **샘플백, 지퍼식**

■ ***Supplied by SciLab Korea***
■ ***견고한 잠금 장치*** ∗ Sturdy Zipper Locks Securely and Keeps Dust Out. ∗ Thickness of PE-Film : 0.07mm or 0.08mm
∗ Ideal for Transportation and Storage of Solids, Semi-solids and Powders.

(1) With White Writing Area, up to 40×h50 cm

〈B1〉

		Pk.	Price, ₩
SL.Bag3012	Bag, PE, 0.07mm(t), 7×h10cm , w/ White Area	50ea	2,130
SL.Bag3013	, 10×h15 cm, w/ White Area	100ea	6,050
SL.Bag3014	, 15×h20 cm, w/ White Area	100ea	10,080
SL.Bag3015	, 20×h25 cm, w/ White Area	100ea	14,790
SL.Bag3016	, 25×h30 cm, w/ White Area	100ea	19,720
SL.Bag3017	, 30×h40 cm, w/ White Area	50ea	14,000
SL.Bag3018	, 40×h50 cm, w/ White Area	50ea	21,840


(2)

(2) Without Writing Area, up to 50×h70 cm

		Pk.	Price, ₩
SL.Bag3021	Bag, PE, 0.07mm(t), 5×h7 cm , Plain	50ea	900
SL.Bag3022	, 7×h10 cm , Plain	50ea	990
SL.Bag3023	, 10×h15 cm, Plain	100ea	3,230
SL.Bag3024	, 15×h20 cm, Plain	100ea	5,740
SL.Bag3025	, 20×h25 cm, Plain	100ea	8,960
SL.Bag3026	, 0.08mm(t), 25×h30 cm, Plain	50ea	7,530
SL.Bag3027	, 30×h40 cm, Plain	50ea	11,560
SL.Bag3028	, 40×h50 cm, Plain	50ea	18,820
SL.Bag3029	, 50×h70 cm, Plain	50ea	32,260


(1) (2) (3) (4)

Green Solution™ Sterile Sample Bag, PE, with White Writing Area, 190×h300mm, 1620㎖
Ideal for Sampling & Stomacher, Plain · Wire · Filter · Filter & Wire-type, 0.1mm Thick, **멸균 샘플백**

■ ***Supplied by DAIHAN Korea***
■ ***식품, 환경, 제약 등 다양한 연구분야에서 고체, 액체 시료의 샘플을 운송 및 보관에 사용***
∗ Use for Food Industry, Environmental, Pharmaceutical Sampling
∗ Blending and Filtering Solid and Liquid Samples for Microbiological Analysis
∗ DNase, RNase and Pyrogen Free
∗ Filter is made of Non-woven

〈L2〉

		Pk.	Price, ₩	Cs.	Price, ₩
DH.Bag3001	(1) Sample Bag, 190×h300mm, 1620㎖, Plain type	50ea	9,790	10pk	90,630
DH.Bag3002	(2) , Filter type	50ea	17,630	10pk	163,130
DH.Bag3003	(3) , Filter & Wire type	50ea	31,330	10pk	290,000
DH.Bag3004	(4) , Wire type	50ea	27,420	5pk	126,880


Plain Type Wire Type

NEOGEN® Sterile Sample Bag, PE, with Printed white writing Area, 710 & 1620㎖, 0.09mm Thick
Ideal for Foodstuff and Stomacher, Plain · Wire · Filter · Filter & Wire-type, **멸균 샘플백**

■ ***두께감(0.090mm)이 있어 전 제품군 스토마킹 가능*** ■ ***Write-on 공간이 중상부에 위치하여 시료 구분의 편리함***
∗ Blending and Filtering Solid Samples for Microbiological Analysis
∗ Filter is made of Nylon

〈L4〉

		Pk.	Price, ₩	Cs.	Price, ₩
3M.06.1930	Sample Bag, Sterile, 190×h300mm, 1620㎖, Plain type	50ea	13,500	10pk	125,000
3M.06.1930F	, Filter type	50ea	22,790	10pk	210,940
3M.06.1930FW	, Filter & Wire type			250ea	257,820
3M.06.1930W	, Wire type			500ea	320,320
3M.06.1523W	, 150×h230mm, 710㎖, Wire type			500ea	156,250
3M.06.1523FW	, Filter & Wire type			250ea	226,570



Simport® TWIRL'EM® Sterile Sampling Bag, PE, with "Write-On" Strips, 450~1650㎖
0.07 or 0.08mm Thick, DNase · RNase · Pyrogen Free, Round-wire, **멸균 샘플백**

■ ***Supplied by Simport® in Canada***
■ ***밀봉력이 높고 채취한 시료 · 샘플의 완벽한 멸균 상태 유지함*** ■ ***FDA · EPA · USDA · HACCP***
∗ Use for Environmental Sampling (surface samples)/Carcass Sampling/Biomedical and Pharmaceutical Research/Quality Assurance Procedures(QA/QC)/Food Industry Applications and Clinical and Veterinary Medicine
∗ Maximum Bag Mouth Opening to Facilitate Insertion of Sample

〈L1〉

		Pk.	Price, ₩	Cs.	Price, ₩
SP.EPR.4590	Sample Bag, Sterile, 0.07mm(t), 114×229mm×450㎖	500ea	413,940	2pk	766,540
SP.EPR.5590	, 0.08mm(t), 140×229mm×650㎖	500ea	335,150	2pk	620,630
SP.EPR.7012	, 178×305mm×1650㎖	500ea	374,670	4pk	1,387,570

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



PP Sample Bag

SciLab® Autoclavable Sample Bag, Polypropylene, Large Size, without Zipper

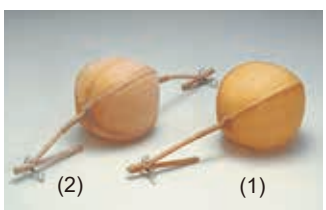
Ideal for Sampling & Storage, 100pcs/pk, PP 샘플백

■ *Supplied by SciLab Korea* ■ *고온 멸균 처리*

∗ 121℃ Autoclavable, 100 pcs/Pack.

〈B1〉

Cat. No	Description	Pk.	Price, ₩
SL.Bag3031	Bag, PP, 0.07mm - t, 20×h30 cm	100ea	5,380
SL.Bag3032	, 30×h40 cm	100ea	10,140
SL.Bag3033	, 40×h50 cm	100ea	15,940
SL.Bag3034	, 50×h60 cm	100ea	23,660
SL.Bag3035	, 0.05mm - t, 60×h80 cm	100ea	27,700



Gas Sampling Bag

Gas Sampling Bag/Bulb, Natural Rubber, 1~10Lit, 고무 가스 샘플링 백, 천연고무

〈L2〉

(1) Single Tube, 1~10 Lit

Cat. No	Description	Ea. Price,₩
SL.Bag6022	Rubber Bag, 1 Lit	39,940
SL.Bag6023	, 2 Lit	44,390
SL.Bag6024	, 3 Lit	57,840
SL.Bag6026	, 5 Lit	67,780
SL.Bag6027	, 10 Lit	159,440

(2) 2×Tubes, 1~10 Lit

Cat. No	Description	Ea. Price,₩
SL.Bag6012	Rubber Bag, 1 Lit	57,490
SL.Bag6013	, 2 Lit	59,650
SL.Bag6014	, 3 Lit	75,450
SL.Bag6016	, 5 Lit	88,570
SL.Bag6017	, 10 Lit	181,750



Kartell® Gas Sampling Bag/Balloon, Latex, with Volume-range 1~8Lit

Heavy-Duty and Good Flexibility, <Italy-Made> 라텍스 가스 샘플링 백

∗ Ideal for Collect, Contain and Carry Samples

〈L1〉

Cat. No	Description	Ea.	Price, ₩
KA.1230	Bag, Gas Sampling, Φ130mm, Vol. 1.0 Lit		18,840
KA.1231	, Φ150mm, Vol. 1.5 Lit		25,040
KA.1232	, Φ160mm, Vol. 2.0 Lit		30,440
KA.1233	, Φ200mm, Vol. 4.0 Lit		34,020
KA.1234	, Φ230mm, Vol. 5.0 Lit		44,790
KA.1235	, Φ250mm, Vol. 8.0 Lit		55,340



(1) 1 Mouth Cap



(2) 1 Stopcock



(3) 2 Stopcock cock

Tedlar® Gas Sampling Bag, Mouth Cap & Stopcock, 1~50Lit

Made of PVDF Film(Tedlar®), EPA cited, 테드라 가스 샘플링백

∗ Excellent Chemical Resistance and Heat Resistance ∗ with PTFE Stopcock

∗ Nozzle Diameter : Φ6mm

〈L2〉

(1) 1 Mouth Cap Type NEW

Cat. No	Description	Ea.	Price, ₩
SL.Bag3411	Tedlar Bag, 1 Mouth Cap, 1ℓ , 160×250mm, Φ6mm		16,440
SL.Bag3412	, 2ℓ , 210×250mm, Φ6mm		17,940
SL.Bag3413	, 3ℓ , 300×250mm, Φ6mm		20,930
SL.Bag3414	, 5ℓ , 400×250mm, Φ6mm		22,430
SL.Bag3415	, 10ℓ , 500×350mm, Φ6mm		31,390
SL.Bag3416	, 20ℓ , 500×500mm, Φ8mm		55,280
SL.Bag3418	, 50ℓ , 1000×600mm, Φ8mm		134,450

(2) 1 Stopcock Type

Cat. No	Description	Ea.	Price, ₩
SL.Bag3501	Tedlar Bag, 1 Stopcock, 1ℓ , 150×250mm, Φ6mm		32,590
SL.Bag3502	, 2ℓ , 210×250mm, Φ6mm		34,300
SL.Bag3503	, 3ℓ , 300×250mm, Φ6mm		38,230
SL.Bag3504	, 5ℓ , 400×250mm, Φ6mm		40,830
SL.Bag3505	, 10ℓ , 500×350mm, Φ6mm		54,150
SL.Bag3506	, 20ℓ , 500×500mm, Φ8mm		92,650
SL.Bag3508	, 50ℓ , 750×600mm, Φ8mm		178,040

(3) 2 Stopcock Type

Cat. No	Description	Ea.	Price, ₩
SL.Bag3701	Tedlar Bag, 2 Stopcock, 1ℓ , 150×250mm, Φ6mm		57,330
SL.Bag3702	, 2ℓ , 210×250mm, Φ6mm		59,950
SL.Bag3703	, 3ℓ , 300×250mm, Φ6mm		64,430
SL.Bag3704	, 5ℓ , 400×250mm, Φ6mm		68,040
SL.Bag3705	, 10ℓ , 500×350mm, Φ6mm		82,520
SL.Bag3706	, 20ℓ , 500×500mm, Φ8mm		114,070
SL.Bag3708	, 50ℓ , 750×600mm, Φ8mm		208,430

Articles	Cat. No	Description



PP Biohazard Bag and Foldable Stand

SciLab® Biohazard Waste Collection Bag(PP) & Stand, 20×30cm~60×90cm, t0.05mm

For Pollution Prevention & Hygiene, Disposable, Autoclavable, PP **바이오해저드 백, 스탠드 별도**



- ***Made in Korea***
- ***Made of PP (Polypropylene)***
- ***유해폐기물의 고압 멸균 용도에 적합.***
- ***0.05mm-thick.***

∗ Hazardous Materials must be Autoclaved Prior to Disposal.
∗ For Pollution Prevention & Hygiene where Operating Room, Laboratory, Emergency Room
∗ Incineration Disposal Sterile : Pathogenic Bacteria, Radioactive Materials, Hazardous Organic Compounds

※ **Note! When Autoclaving, Loosen off the Bag Seal**

〈L1〉

Model / Size	(1) Biohazard Bag, 0.05mm-thick, PP					(2) Stand, Folding-type, SS	
	Cat. No.	dh pk.	Price, ₩	Cs.	Price, ₩	Cat. No.	Ea. Price, ₩
20×h30cm	**SL.Bag3001**	50ea	6,890	200ea	25,500	**SL.Sta7001**	24,000
30×h45cm	**SL.Bag3002**	50ea	13,200	200ea	48,880	**SL.Sta7002**	28,000
50×h75cm	**SL.Bag3003**	50ea	32,720	200ea	121,130	**SL.Sta7003**	88,000
60×h90cm	**SL.Bag3004**	50ea	45,900	200ea	170,000	**SL.Sta7004**	96,000



HDPE Biohazard Bag and Foldable Stand

Y & K® Biohazard-bag & Stand(HDPE), 20×30cm~60×90cm, t0.07mm

For Pollution Prevention & Hygiene, Disposable, Red, HDPE **바이오해저드 백, 스탠드 별도**



- ***Made in Korea***
- ***Made of HDPE(High Density Polyethylene)***
- ***0.07mm-thick.***

∗ For Pollution Prevention & Hygiene where Operating Room, Laboratory, Emergency Room
∗ Incineration Disposal Sterile : Pathogenic Bacteria, Radioactive Materials, Hazardous Organic Compounds

〈L3〉

Model / Size	(1) Biohazard Bags, 0.07mm-thick, HDPE					(2) Stand, Folding-type, SS	
	Cat. No.	dh pk.	Price, ₩	Cs.	Price, ₩	Cat. No.	Ea. Price, ₩
20×h30cm	**Y6.B002**	50ea	5,480	200ea	20,250	**SL.Sta7001**	24,000
30×h45cm	**Y6.B003**	50ea	10,490	200ea	38,820	**SL.Sta7002**	28,000
40×h60cm	**Y6.B004**	50ea	17,330	200ea	64,130	**SL.Sta7002.1**	62,000
50×h75cm	**Y6.B005**	50ea	25,980	200ea	96,190	**SL.Sta7003**	88,000
60×h90cm	**Y6.B006**	50ea	36,450	200ea	135,000	**SL.Sta7004**	96,000



HDPE General Waste Bag and Foldable Stand

SciLab® General Waste Bag & Stand(HDPE), 20×30cm~60×90cm, t0.07mm

Ideal for Storage and Disposal of Waste, Disposable, HDPE **폐기물 봉투, 스탠드 별도**



- ***Made in Korea***
- ***Made of HDPE(High-density Polyethylene)***
- ***0.07mm-thick.***

∗ Easy to Transport of General Waste
∗ Available for Multi-purpose in Various Places.

〈L3〉

Model / Size	(1) General Waste Bag, 0.07mm-thick HDPE					(2) Stand, Folding-type, SS	
	Cat. No.	dh pk.	Price, ₩	Cs.	Price, ₩	Cat. No.	Ea. Price, ₩
20×h30cm	**SL.Bag3001.1**	50ea	5,280	200ea	19,500	**SL.Sta7001**	24,000
30×h45cm	**SL.Bag3002.1**	50ea	10,100	200ea	37,380	**SL.Sta7002**	28,000
50×h75cm	**SL.Bag3003.1**	50ea	25,020	200ea	92,630	**SL.Sta7003**	88,000
60×h90cm	**SL.Bag3004.1**	50ea	35,100	200ea	130,000	**SL.Sta7004**	96,000

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description

DAIHAN® Bag/Sample Mixer "BLE-400", Lab Stomacher, Digital Controller, Low Noise, for 330~1,620㎖ Bags
Max 400㎖ Blending Capacity, Adjustable Pedal Distance, 10 Level Speed Adjustment, 백 믹서/무균 시료 분쇄기, 미생물 실험 전처리

CE

2-Year Warranty



Pedal Distance Adjust Gauge

- ■ *Made in Korea* ■ *CE Certified* ■ *PL(Product Liability) Insurance*
- ■ *with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System*
- ■ *Food Microbiology, Veterinary, Clinical, Pharmaceutical, Molecular Extraction, Toxin Research, Environmental Analyses*
- ■ *10 Level Motor Speed Adjusting Function* ■ *Low Noise by Innovative Rail System*
- ■ *Ergonomic Door Lever : Easy to Open & Close* ■ *Power Stomaching Mechanism*

* Diversified Choices of Bags : 330 ~ 1,620㎖ Bags(Max 400㎖ Blending Capacity)
* For Blending and Filtering Solid Samples for Microbiological Analysis.
* Pedal Distance Adjust Function Ensure Quick and Precise Sterile Blending of Samples
* Multifunction Digital Control Display for Monitoring Operating Condition, Speed, Time
* Easy Cleaning Pedals
* Wide Angle Door Open by Free Stop Torque Hinge
* Lever-type Ergonomic Door Handle
* Powerful Blending by 10:1 Gear and Powerful BLDC Motor

Specifications & Ordering Information <L1>

Spec. \ Model		"BLE-400"
Capacity		330㎖ ~ 1620㎖ Bag
Blending Capacity		Max. 400㎖
Speed		1~10 Level (1~8 strokes/sec)
Pedal Distance Adjustment		0 ~ 45mm
Display & Controller		Digital LCD with Back Light / Digital Controller
Timer, Alarm		Timer: Continuous & 0~99min 59sec, Alarm: Error status & Timer-end
Motor, Transmission		100W, 1/10 Ratio
Door		Viewing Window Type
Material		Pedal : Stainless-steel(SS304), External : Powder Coated Steel, Window : Acrylic
Dimensions(w×d×h mm) & Weight		250×474×h264mm, 18kg
Packing Size(w×d×h mm)		380×580×h470mm
Gross Weight		19kg
Power Consumption		160W
Power Supply		AC 100V~220V, 50/60Hz
Cat. No.	220V	DH.Ble0400
Price, Each. ₩		2,850,000

(1) Plain type
190×300mm



(2) Filter type
190×300mm



(3) Filter & Wire type
190×300mm

(4) Wire type
190×300mm



(5) Wire type
150×230mm



(6) Filter & Wire type
150×230mm

Sterile Sample Bags for Sample Mixer <L2>

Model		3001	3002	3003	3004	1523W	1523FW
Volume		Up to 1,620㎖				Up to 710㎖	
Sterilization		Gamma Sterilization					
Thickness		0.1mm				0.09mm	
Filter	Type	None	Lateral	Lateral	None	None	Lateral
	Porosity	5~150㎛					
	Material	None	Non-woven	Non-woven	None	None	Non-woven
Bag	Size	190×300mm				150×230mm	
	Material	PE	PE+Nylon	PE+Nylon	PE	PE	PE+Nylon

		Pk.	Price, ₩	Cs.	Price, ₩
DH.Bag3001	(1) Sterile Bag, 190×h300mm, 1620㎖, Plain type	50ea	9,790	10pk	90,630
DH.Bag3002	(2) , Filter type	50ea	17,630	10pk	163,130
DH.Bag3003	(3) , Filter & Wire type	50ea	31,330	10pk	290,000
DH.Bag3004	(4) , Wire type	50ea	27,420	5pk	126,880
3M.06.1523W	(5) , 150×230mm, 710㎖, Wire type			500ea	156,250
3M.06.1523FW	(6) , Filter & Wire type			250ea	226,570

How to use Sample Bag



1. Upon the requirement, write down the sample information on the bag.



2.Tear the upper part of bag along the perforated line.



3. Open the bag by grabbing tabs.



4. Insert the sample into the bag.



5. Grab the end of wire and roll the bag 2 or 3 times.



6. Fold the end of wire to fix the closing of bag.



7. Insert the sample bag into the blender.

Balances

Balances ..... P. 19~31
Analytical, Semi-Micro *New* ..... P. 19
Analytical ..... P. 20~23
Electronic Lab ..... P. 24~26
General purpose ..... P. 27~28
Medical/Healthcare *New* ..... P. 29
Pocket ..... P. 31
Moisture Analyzers ..... P. 30
Scales ..... P. 32~33
Weight ..... P. 34
Accessories - Weighing Bottles, Dishes, Spatulas &c. ..... P. 35~38



Analytical Balance
"WBA-220A"
[d] 0.1mg, max.220g



Electronic Lab Balance
"BAL-D210S"
[d] 1mg, max.210g



Moisture Analyzer
"WBA-110M"
[d] 1mg, max.110g



Kern® Premium [d] 0.01mg, max.220g Hi-professional Analytical Semi Micro Balance "ABP-5M", with the Latest Single-Cell Generation

Extremely Rapid, Internal Calibration, Bright OLED Display, with Multi-function Weighting Plate, GLP/ISO Record Keeping

고급형 고정밀 세미 마이크로-분석/화학천평, 내부자동보정

■ *Supplied by Kern® in Germany* ■ *CE & ISO 9001 Certified*

Single-cell advanced technology

- Fully Automatic Manufactured Weighing Cell from One Piece of Material
- Stable Temperature Behavior
- Short Stabilization Time : steady weight values within Approx. 2 s! (models with [d] = 0,1 mg), approx. 8 s! (models with [d] = 0,01 mg)
- Shock Proof Construction
- High Corner Load Performance

Specifications

- **Luminescent OLED Display :** Height 12 mm, Bright with High Contrast, for Easy Reading of the Weight, even in Poor Lighting Conditions
- **Weighing Plate Dimensions :** Φ91 mm
- **Overall Dimensions :** 213×407×344 mm (with Draught Shied)
- **Net Weight :** approx. 8 kg
- **Ambient Temperature :** 10℃~30℃

"ABP-5M" "Auto Int-CAL" *3-Year Warranty* CE







Shown with Min. 0.00001g



A incl. Multi-function Weighing Plate

Features

- **Internal Calibration**
- **Data Interface RS 232**
- **USB Data Interface** PC or Printer
- **GLP/ISO record keeping**
- **Piece Counting**
- **Net-total Weighing**
- **% Determination**
- **Weighing Unit**
- **Animal Weighing Program:** Strong Vibrations are Filtered Out.
- **Suspended Weighing**
- **Universal Adapter**
- **Single Cell Tech**

ALL for the Best BALANCES
--- via "KERN" since 1844

∗ **Navigation Pad** for Super Quick Navigating through the Menus
∗ The Minimum Weight of Sample can be manually Stored in the Device or Automatically Calculated.
∗ **Simple Recipe Weighing and Documenting** with a Combined Tare/Print Function. In addition, the Ingredients for the Recipe are Numbered Automatically and Printed out with Their Corresponding Number and Nominal Weight
∗ **Individual User Settings for up to 10 users can be saved.** ∗ Protective working cover included with delivery.
∗ **U.S. FDA 21 Part 11 :** assists you in data integrity in accordance with U.S. Pat. FDA 21 Part 11
∗ Automatic data output to the PC/printer each time the balance is steady
∗ **A Multi-function weighing plate included ;** minimises the effect of currents of air in the weighing space and therefore significantly improves the stabilization time and repeatability. In addition samples, sample paper, PCR containers, micro centrifuge tubes and many other items which protrude can be easily fixed in place and weighed easily

Specifications & Ordering information

〈L1〉

Model KERN	Weighing -range **Max** g	Read -out **d** mg	Verif. value **e** mg	Reproducibility mg	Linearity mg	Price(₩)
KE.ABP200.5M	220	0.01	1	**0.05**	±0.2	12,559,440
KE.ABP200.5DM	102/220	0.01/0.1	1	**0.05/0.1**	±0.1/0.2	7,221,600

		Ea. Price, ₩
KE.ABP.A01	**(1) Optional Draft Shield Rear Panel with Integrated Ionizer** to neutralise electrostatic charge	4,117,770
KE.YKS.01	**(2) Optional Statistics Printer,** "GLP" Capable, 0.75 lines/sec, Max. 40 Characters/line, with 112mm Paper & RS232, 165×140×50 mm, Adapter 230V/50Hz	951,870
KE.YKB.01	**(3) Optional Thermal Printer**, "GLP" Capable, 0.75 lines/sec, Max. 40 Characters/line, with 112mm Paper, 165×140×50 mm, Adapter 230V/50Hz	807,020
KE.MLB.A05	**RS-232 Interface Cable**, PC or Thermal Printer, for "YKS.01", "YKB.01", 1.5m	106,380



(1) **Optional**, KE.ABP.A01 Draft Shield Rear Panel with Integrated Ionizer 정전기 방지(중화)용



(2) Statistics Printer KERN YKS.01



(3) Thermal Printer KERN YKB.01

Φ75 · 90 · 102mm Reusable Aluminum Weighing Dish

Conveniently Selectable Dishes, **재사용 알루미늄 평량 디쉬**

〈L3〉

■ *Ideal for General Weighing and Moisture Drying Application.*

		Pk. Price, ₩
DH.Dis8005	(4) Φ75 Alumi Weigh-Dish, Φ75×h8mm, 4.5g, 30㎖	100ea 108,750
DH.Dis8006	(5) Φ90 Alumi Weigh-Dish, Φ90×h4mm, 3.05g, 25㎖	50ea 13,000
KE.MLB.A01	, Φ90×h7mm, 3.7g, 40㎖	80ea 104,250
DH.Dis8007	(6) Φ102 Alumi Weigh-Dish, Φ102×h8mm, 3.8g, 57㎖	50ea 12,500



(5) Φ90mm Reusable Al. Dish

Kern® [d] 0.01/0.1mg, max.220g High-professional Analytical Balance "ABT", Single-cell Weighing System

With Internal Calibration, Multi-function : ex. Density-measure, **고정밀-분석/화학천평, 내부자동보정**

■ ***Supplied by Kern® in Germany*** ■ ***CE & ISO 9001 Certified***

Single-cell Advanced Technology
- Fully Automatic Manufacture Weighing Cell from One Piece of Material
- Stable Temperature Behavior
- Short Stabilization Time
- Shock Proof Construction
- High Corner Load Performance

Specifications
- **"Int-CAL" :** Automatic Internal Adjustment
- **Fast Display :** Short Stabilization Time
- **Large LCD Display :** Digit Height 14mm
- **Identification Number** 4 Digits, Printed on Calibration Protocol freely Programmable
- **Weighing Range :** 0.01/0.1mg ~ 82/220g(ABT220.5DM Model) 0.1mg ~ 120g (ABT120.4M Model) 0.1mg ~ 220g (ABT220.4M Model)
- **Overall Dimensions :** 217×356×h338mm
- **Weighing Plate :** Φ80 mm
- **Weighing Space :** 168×172×h223 mm
- **Net Weight :** approx. 7kg
- **Permissible Ambient Temperature :** 10℃ / 30℃

"ABT" "Auto Int-CAL" ***3-Year Warranty***



Large LCD Display
Digit Height 14 mm and Capacity Display

Features

- **Internal Calibration**
- **Data Interface RS 232**
- **GLP/ISO record keeping**
- **Piece Counting**
- **Net-total Weighing**
- **% Determination**
- **Weighing Unit**
- **Suspended Weighing**
- **AC 230V Adapter**
- **Single Cell Tech**

ALL for the Best BALANCES
--- via "KERN" since 1844

∗ **Simple Adding Function** with Auto-tare and Automatic Subsequent Data Output after each Weighing Procedure
∗ **Dosing assistance** High-stability Mode and other Filter Settings can be Selected
∗ **Simple Recipe-weighing/Documenting** with a Combined Tare/Print Function. In addition, the Mixing Ingredients for the Recipe are Numbered Automatically and Printed out with its Corresponding Number and Weight Value
∗ **Identification number** of Balance is Printed on Calibration Protocol

Specifications & Ordering information

〈L1〉

Cat. No.	Weighing -Range **Max** g	Read -out **d** mg	Verif. value **e** mg	**Repr-oducibility mg**	Linea-rity mg	Price(₩)
KE.ABT120.4M	120	0.1	1	**0.1**	± 0.2	3,722,350
KE.ABT220.4M	220	0.1	1	**0.1**	± 0.2	4,509,040
KE.ABT220.5DM	82 220	0.01 0.1	1	**0.05** **0.1**	± 0.1 ± 0.2	5,483,450



(1) Statistics Printer KERN YKS.01



(2) Thermal Printer KERN YKB.01

Optional Accessories

		Ea.	Price, ₩
KE.YKS.01	**(1) Statistics Printer,** "GLP" Capable, 0.75 lines/sec, Max. 40 Characters/line, with 112mm Paper & RS232, 165×140×50 mm, Adapter 230V/50Hz		951,870
KE.YKB.01	**(2) Thermal Printer**, "GLP" Capable, 0.75 lines/sec, Max. 40 Characters/line, with 112mm Paper, 165×140×50 mm, Adapter 230V/50Hz		807,020
KE.YDB.03	**(3) Universal Density Determination Set**, Including Beaker, Thermometer, Sample Holder, Adapter, Equalizing Weights, Volume Plummet (stainless steel, 20 g), Universal Submersible Basket for Solid Bodies which Float and Sink		893,400
KE.770.926	**RS-232 Interface Cable,** PC or Thermal Printer "YKS.01", "YKB.01", 1.5m for ABS-/ ABJ-/ ABT(Year of Production 2000~2012)- Model		106,380



(3) Set for Density Determination of Liquids and Solids, Density is Indicated directly on the Display KERN YDB.03

Φ75 · 90 · 102mm Reusable Aluminum Weighing Dish

Conveniently Selectable Dishes, **재사용 알루미늄 평량 디쉬**

〈L3〉

■ ***Ideal for General Weighing and Moisture Drying Application.***

		Pk.	Price, ₩
DH.Dis8005	(4) Φ75 Alumi Weigh-Dish, Φ75×h8mm, 4.5g, 30㎖	100ea	108,750
DH.Dis8006	(5) Φ90 Alumi Weigh-Dish, Φ90×h4mm, 3.05g, 25㎖	50ea	13,000
KE.MLB.A01	, Φ90×h7mm, 3.7g, 40㎖	80ea	104,250
DH.Dis8007	(6) Φ102 Alumi Weigh-Dish, Φ102×h8mm, 3.8g, 57㎖	50ea	12,500



(5) Φ90mm Reusable Al. Dish

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Kern® [d] 0.1mg, max.320g High-Standard Analytical Balance "ABJ", with Auto Internal Calibration

Multi-function : ex. Density-measure, and Glass Draft Shield, **표준분석 / 화학천평, 내부자동보정**

■ ***Supplied by Kern® in Germany***

■ ***CE & ISO 9001 Certified***

Single-cell Advanced Technology

- Fully Automatic Manufacture Weighing Cell from One Piece of Material
- Stable Temperature Behavior
- Short Stabilization Time
- Shock Proof Construction
- High Corner Load Performance

Specifications

- **Automatic Internal Adjustment** in the case of a Temperature Change > 2℃ and Time-controlled every 4 hours
- Simple Recipe Weighing and Documenting with a Combined Tare / Print Function
- **Automatic Data Output** to the PC / Printer
- **Weighing Range :** 0.1mg ~ 120 / 220 / 320g
- **Overall Dimensions :** 210×340×h325mm
- **Weighing Plate :** Φ91 mm Stainless-steel
- **Weighing Space :** 174×162×h227mm
- **Net Weight :** Approx. 6 kg
- **Permissible Ambient Temperature :** 10℃ / 30℃

"ABJ" "Auto Int-CAL" ***3-Year Warranty***



Capacity Display
An Ascending Bar Graph Displays the Remaining Available Weighing Range

∗ **Metal Housing** robust and Sturdy
∗ **Large LCD Display** Digit height 14mm
∗ **Identification number** 4 numeric Positions, 2 key Programming method

Features

- **Internal Calibration**
- **GLP/ISO record keeping**
- **Piece Counting**
- **Net-total Weighing**
- **% Determination**
- **Weighing Unit**
- **Weighing with Tolerance Range**
- **AC 230V Adapter**
- **Single Cell Tech**

Carat switch-over from g to ct is possible.

Model KERN	d ct	Max ct
ABJ 120.4NM	0.001	600
ABJ 220.4NM	0.001	1100

The carat display can also be verified.

Specifications & Ordering information

〈L1〉

Cat. No.	Weighing -Range Max g	Read -out d mg	Verif. value e mg	Repr-oducibility mg	Linea-rity mg	Price(₩)
KE.ABJ120.4NM	120	0.1	1	**0.2**	± 0.3	2,820,570
KE.ABJ220.4NM	220	0.1	1	**0.2**	± 0.3	3,012,430
KE.ABJ320.4NM	320	0.1	1	**0.2**	± 0.3	3,492,120

Optional Accessories

		Ea.	Price, ₩
KE.YKS.01	**(1) Statistics Printer,** "GLP" Capable, 0.75 lines/sec, Max. 40 Characters/line, with 112mm Paper & RS232, 165×140×50mm, Adapter 230V/50Hz		951,870
KE.YKB.01	**(2) Thermal Printer,** "GLP" Capable, 0.75 lines/sec, Max. 40 Characters/line, with 112mm Paper, 165×140×50mm, Adapter 230V/50Hz		807,020
KE.YDB.03	**(3) Universal Density Determination Set** Including Beaker, Thermometer, Sample Holder, Adapter, Equalizing Weights, Volume Plummet (stainless-steel, 20g), Universal Submersible Basket for Solid Bodies which Float and Sink		893,400
KE.ACS.A01	**RS-232 Interface Cable,** PC or Statistics Printer "YKS.01", "YKB.01", 1.5m for ABJ-NM/ ABS-N Model		237,980

Φ75 · 90 · 102mm Reusable Aluminum Weighing Dish

Conveniently Selectable Dishes, **재사용 알루미늄 평량 디쉬**

〈L3〉

■ ***Ideal for General Weighing and Moisture Drying Application.***

		Pk.	Price, ₩
DH.Dis8005	(4) Φ75 Alumi Weigh-Dish, Φ75×h8mm, 4.5g, 30㎖	100ea	108,750
DH.Dis8006	(5) Φ90 Alumi Weigh-Dish, Φ90×h4mm, 3.05g, 25㎖	50ea	13,000
KE.MLB.A01	, Φ90×h7mm, 3.7g, 40㎖	80ea	104,250
DH.Dis8007	(6) Φ102 Alumi Weigh-Dish, Φ102×h8mm, 3.8g, 57㎖	50ea	12,500

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--- via "KERN" since 1844



(1) Statistics Printer KERN YKS.01



(2) Thermal Printer KERN YKB.01



(3) Set for Density Determination of Liquids and Solids, Density is Indicated directly on the Display KERN YDB.03



(5) Φ90mm Reusable Al. Dish

DAIHAN® [d] 0.1mg, max.220g Calibration Certificated Standard Analytical Balance, Φ80 · 90mm Weighing Plate

A. Ext-CAL "WBA-220", B. Auto Int-CAL "WBA-220A", with Glass Draft Shield, Back Light LCD, Counting Function, Various Weight Mode

"Ext-CAL 외부 보정형" & "Int-CAL 자동 보정형" 표준 분석/화학 천평, 계수계 겸용, 작업보호커버 포함, 보정 성적서 포함

"WBA-220" "Ext-CAL"
[d] 0.1mg, max.220g



A. Ext-CAL "WBA-220"
with Calibration Certificate

- ***Supplied by DAIHAN Korea*** ■ ***CE Certified***
- ***With Calibration Certificate(보정 성적서 포함)***
- ***PL(Product Liability) Insurance*** ■ ***2-Years Warranty***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
- ***Supplied with : - Φ80/90mm Weighing Plate and Glass Draft Shield***
  - AC 230V Adapter for DC Power 15V / 500mA(WBA-220A)
  - 200g Calibration Weight (Ext-CAL Model, WBA-220)

∗ Various Weight Mode (g/ct/%/GN/dwt/etc)
∗ Numberic Linearity Calibration
∗ Weighing Response Time Adjustable
∗ Appearance Parameters
∗ Built in RS232C for Printer
∗ Electro Magnetic Base

Specifications & Ordering information

〈L1〉

Spec. \ Model	A. "WBA-220" Ext-CAL	B. "WBA-220A" Auto Int-CAL
Read-Out [d]. mg	0.1 mg	
Weighing Range. g	**max.220 g**	
Weighing Plate. mm	Φ80 mm	Φ90 mm
Reproducibility. mg	**0.2 mg**	
Linearity. mg	0.3 mg	0.2 mg
Ambient Temperature	5.0℃~35℃	
Stabilization Time	≤ 3 Seconds (Typical at Fast)	
Weight Mode	g / ct	g / ct / % / GN / dwt / etc.
Counting Mode	Counting & Weighing Mode Available	
Calibration	**External Calibration, Included 200g Calibration Weight**	**Internal Calibration, AUTO**
Display	Digital LCD with Back-Light Function	
Dimension & Net Weight	190×240×h265mm / 6.3 kg	223×345×h331mm / 5.7 kg
Packing Size & Gross Weight	290×420×h490mm / 8.3 kg	390×510×h520mm / 10.1 kg
Electrical Reqts.	AC 220V, 50 / 60Hz	DC 15V, with AC 230V Adapter, 50/60Hz
Cat. No.	**DH.WBA0220**	**DH.WBA0220A**
Price, Each. ₩	1,313,000	2,009,000

"WBA-220A" "Auto Int-CAL"
[d] 0.1mg, max.220g



B. Int-CAL "WBA-220A"
with Calibration Certificate

Optional Thermal Printer

∗ Model Name Required for Printer Installation
∗ 프린터 구매 전 사용 중인 모델을 알려주어야 합니다.

		Ea. Price, ₩
SL.WBA.100P	(1) Thermal Printer, Paper Roll, **"WBA-100"** Included Cable Module, 1×Paper Roll	548,000
DH.WBA0084	Thermal Paper Package, 5×Paper Roll, for **"WBA-100"**	15,900
SL.WBA.420P	(2) Thermal Printer, Label Paper Roll, **"WBA-420"** Included Cable Module, 1×Label Paper Roll	1,012,000
DH.WBA0771	Thermal Label Paper Package, 5×Label Paper Roll, for **"WBA-420"**	40,000



(1) "WBA-100" RS-232C
Thermal Printer



(2) "WBA-420" RS-232C
Thermal Label Printer

※ The Price(VAT is extra) for Korean End-user, and Changeable.

DAIHAN® [d] 1mg, max.320g & 620g Calibration Certificated Hi-Precision Lab Balance, Φ90 · 110 · 128mm Weighing Plate

Ext-CAL "WBA-320 & 620", Auto Int-CAL "WBA-620A", with Glass Draft Shield, Super Size Back Light LCD, Counting Function, Various Weight Mode

"Ext-CAL 외부 보정형" & "Int-CAL 자동 보정형" 다기능 랩 바란스, g · 계수 · % 측정, 작업보호커버 포함, 보정 성적서 포함

"WBA-320" "Ext-CAL"
[d] 1mg, max.320g / 620g



2-Year Warranty

A. Ext-CAL "WBA-320" & B. "WBA-620"
with Calibration Certificate

"WBA-620A" "Auto Int-CAL"
[d] 1mg, max.620g



2-Year Warranty

C. Int-CAL "WBA-620A"
with Calibration Certificate



(4) Φ90mm Reusable Al. Dish

- ***Supplied by DAIHAN Korea*** ■ ***CE Certified***
- ***With Calibration Certificate(보정 성적서 포함), Numberic Linearity Calibration***
- ***PL(Product Liability) Insurance*** ■ ***2-Years Warranty***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
- ***Supplied with : - Glass Draft Shield***
  - 200g or 500g Calibration Weight (WBA-320 : 200g, WBA-620 : 500g)
  - AC Adapter for DC Power 12V/500mA(WBA-320), 15V/300mA(WBA-620/-620A)

∗ Various Weight Mode (g/ct/GN/dwt/etc.) and Percent(%) Weighing Mode
∗ Numberic Linearity Calibration
∗ Four Level Anti-shock Adjustable Function
∗ Weighing Response Time Adjustable
∗ Stabilization Time(Typical at Fast) ≤ 3 Seconds
∗ Default and Auto Lock Present Working Mode
∗ Time & Date Setting for Recording Data
∗ Built in RS232C port for Printer
∗ Electro Magnetic Base
∗ Display Present Temperature

Specifications & Ordering information

〈L1〉

Spec. \ Model	A. "WBA-320" Ext-CAL, 320g	B. "WBA-620" Ext-CAL, 620g	C. "WBA-620A" Auto Int-CAL, 620g
Read-Out [d]. g	0.001 g		
Weighing Range. g	**max.320g**	**max.620g**	
Weighing Plate. mm	Φ90 mm	Φ128 mm	Φ110 mm
Reproducibility. g	**0.001g**	**0.002g**	
Linearity. g	0.002g	0.003g	
Ambient Temp	5.0℃~35℃		
Weight Mode	% Mode and g-/ct-/GN-/dwt-/etc.		
Counting Mode	Counting & Weighing Mode Available		
Calibration	**External Calibration**		**Internal Calibration**
	Included 200g Calibration Weight	**Included 500g Calibration Weight**	**AUTO**
Display	Digital Super Size LCD with Back-Light Function		
Dimension & Net Weight	223×345×h331mm 3.6kg	223×345×h331mm 5.7kg	
Packing Size & Gross Weight	290×385×h365mm 5.1kg	390×510×h520mm 10.1kg	
Electrical Reqts.	DC 12V, with AC 230V Adapter, 50/60Hz	DC 15V, with AC 230V Adapter, 50/60Hz	
Cat. No.	**DH.WBA0320**	**DH.WBA0620**	**DH.WBA0620A**
Price, Each. ₩	743,000	1,389,000	1,974,000

Optional Thermal Printer ; Model Name Required for Printer Installation

∗ 프린터 구매 전 사용 중인 모델을 알려주어야 합니다.

		Ea. Price, ₩
SL.WBA.100P	(1) Thermal Printer, Paper Roll, **"WBA-100"** Included Cable Module, 1×Paper Roll	548,000
DH.WBA0084	Thermal Paper Package, 5×Paper Roll, for **"WBA-100"**	15,900
SL.WBA.420P	(2) Thermal Printer, Label Paper Roll, **"WBA-420"** Included Cable Module, 1×Label Paper Roll	1,012,000
DH.WBA0771	Thermal Label Paper Package, 5×Label Paper Roll, for **"WBA-420"**	40,000



(1) "WBA-100" RS-232C Thermal Printer



(2) "WBA-420" RS-232C Thermal Label Printer

Φ75 · 90 · 102mm Reusable Aluminum Weighing Dish

Conveniently Selectable Dishes, 재사용 알루미늄 평량 디쉬

〈L3〉

■ ***Ideal for General Weighing and Moisture Drying Application.***

		Pk.	Price, ₩
DH.Dis8005	(3) Φ75 Alumi Weigh-Dish, Φ75×h8mm, 4.5g, 30㎖	100ea	108,750
DH.Dis8006	(4) Φ90 Alumi Weigh-Dish, Φ90×h4mm, 3.05g, 25㎖	50ea	13,000
KE.MLB.A01	, Φ90×h7mm, 3.7g, 40㎖	80ea	104,250
DH.Dis8007	(5) Φ102 Alumi Weigh-Dish, Φ102×h8mm, 3.8g, 57㎖	50ea	12,500

DAIHAN® [d] 1 & 10mg, max.210 & 2,100g High-Precision Lab Balance "BAL-D", RS-232C for Printer

With Counting Function, Various Weight Mode, DC Adaptor, Basic- & Shield-type, **정밀 랩 바란스, 계수계 겸용**



(1) Basic-type "BAL-D210



(2) PC Shield-type
"BAL-D210S & -D2100S"



(3) "WBA-100" RS-232C Thermal Printer



(4) "WBA-420" RS-232C Thermal Label Printer



(6) Φ90mm Reusable Al. Dish

■ ***Supplied by DAIHAN Korea*** ■ ***CE Certified*** ■ ***1-Year Warranty***
■ ***Digital Large LCD Display and Ergonomic Design***

* Pcs. Counting & Weighing Mode
* Easy Operation Weighing Mode : Gram, Metric, and Carat
* Material : Stainless-steel Weighing Plate and ABS Resin Body
* Stabilization Time : 3sec * Permissible Ambient Temp 5℃~35℃
* RS-232C for Printer and Level-Gauge integrated
* Rechargeable Battery integrated, and with AC 230V Adapter for DC Power 12V/300mA

(1) Basic-type Precision Balance

Specifications & Ordering Information

<L1>

Spec. \ Model	BAL-D210	BAL-D2100
Weighing Range. g	**max.210g**	**max.2100g**
Read-Out [d]. g	0.001g	0.01g
Reproducibility. g	**0.001g**	**0.01g**
Linearity. g	0.001g	0.01g
Weighing Mode	g, PCS, %	
Display	Digital LCD with Back-Light Function(110×h35mm)	
Weighing Plate. mm	129×119mm	160×170mm
Dimension & Weight	170×250×h65mm, 1.4kg	
Packing & Gross Weight	210×315×h115mm, 1.6kg	
Power Supply	Adaptor DC 12V/300mA, 220V/60Hz	
Cat. No.	**DH.Bal8051**	**DH.Bal8056**
Price, Each. ₩	420,000	420,000

(2) Polycarbonate Draft Shield-type Precision Balance

* With Removable Powder Coated steel Cover * Draft Shield Size : 156×162×h120mm
* Removable Cover with Holes(30mm) for Open

Specifications & Ordering Information

Spec. \ Model	BAL-D210S	BAL-D2100S
Weighing Range. g	**max.210g**	**max.2100g**
Read-Out [d]. g	0.001g	0.01g
Reproducibility. g	**0.001g**	**0.01g**
Linearity. g	0.001g	0.01g
Weighing Mode	g, PCS, %	
Display	Digital LCD with Back-Light Function(110×h35mm)	
Weighing Plate. mm	129×119mm	
Dimension & Weight	170×250×h185mm, 1.7kg	
Packing & Gross Weight	210×315×h115mm, 2.5kg	
Power Supply	Adaptor DC 12V/300mA, 220V/60Hz	
Cat. No.	**DH.Bal8061**	**DH.Bal8066**
Price, Each. ₩	500,000	520,000

Optional Thermal Printer ; Model Name Required for Printer Installation

* 프린터 구매 전 사용 중인 모델을 알려주어야 합니다.

		Ea. Price, ₩
SL.WBA.100P	(3) Thermal Printer, Paper Roll, **"WBA-100"** Included Cable Module, 1×Paper Roll	548,000
DH.WBA0084	Thermal Paper Package, 5×Paper Roll, for **"WBA-100"**	15,900
SL.WBA.420P	(4) Thermal Printer, Label Paper Roll, **"WBA-420"** Included Cable Module, 1×Label Paper Roll	1,012,000
DH.WBA0771	Thermal Label Paper Package, 5×Label Paper Roll, for **"WBA-420"**	40,000

Φ75 · 90 · 102mm Reusable Aluminum Weighing Dish

Conveniently Selectable Dishes, **재사용 알루미늄 평량 디쉬**

<L3>

■ ***Ideal for General Weighing and Moisture Drying Application.***

		Pk.	Price, ₩
DH.Dis8005	(5) Φ75 Alumi Weigh-Dish, Φ75×h8mm, 4.5g, 30㎖	100ea	108,750
DH.Dis8006	(6) Φ90 Alumi Weigh-Dish, Φ90×h4mm, 3.05g, 25㎖	50ea	13,000
KE.MLB.A01	, Φ90×h7mm, 3.7g, 40㎖	80ea	104,250
DH.Dis8007	(7) Φ102 Alumi Weigh-Dish, Φ102×h8mm, 3.8g, 57㎖	50ea	12,500

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Kern® [d] 1 & 10mg, max.620 & 3,200g Hi-quality Precision Lab-Balance "PNS", with Robust Tuning Fork Weighing System

With External Adjustment, **정밀 바란스, 계수계 겸용, 작업보호커버 포함**

■ ***Supplied by Kern® in Germany*** ■ ***CE & ISO 9001 Certified***

3-Year Warranty CE



"PNS 600.3" [d] 1mg, 0.001~620g
with Large Glass Draught Shield



"PNS 3000.2" [d] 10mg, 0.01~3,200g

Specification
- **Weighing Plate Dimensions,** Φ140mm
- **Overall Dimensions,** 202×293×h266mm (with Draught Shied)
- **Net Weight,** Approx. 2.2 kg
- **Ambient Temperature,** 5℃~40℃

Specification
- **Weighing Plate Dimensions,** w190×d190mm
- **Overall Dimensions,** 195×290×h90mm
- **Net Weight,** Approx. 2.8kg
- **Ambient Temperature** 5℃~40℃

Features

- **External Calibration**
- **Data Interface RS 232**
- **GLP/ISO record keeping**
- **Piece Counting**
- **% Determination**
- **Weighing Unit**
- **Weighing with Tolerance Range**
- **Universal Adapter**
- **Weighing Principle** : Tuning Fork

A resonating body is electromagnetically excited, causing it to oscillate.

∗ **High-quality Tuning Fork Measuring System for Steady Weight Values and Continuous Weighing.**
∗ **Adjusting program CAL** for Quick Setting of the Balance Accuracy Using an External Test Weight.
∗ **Capacity Display** : A Bar Lights up to show How Much of the Weighing Capacity is still available.
∗ **Precise Counting** : The Automatic Reference Weight Optimisation of Reference Weight Gradually Improves the Average Piece Weight Value
∗ **Protective working cover** included with delivery

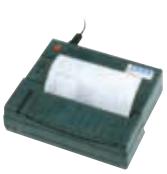
Specifications & Ordering information

〈L1〉

Cat. No.	Weighing-Range Max g	Read-out d g	Reproducibility g	Linearity g	Weighing Plate	Price(₩)
KE.PNS600.3	620	0.001	**0.001**	±0.004	Φ140 mm	1,696,780
KE.PNS3000.2	3200	0.01	**0.01**	±0.02	190×190 mm	1,531,230

Optional Accessories

		Ea.	Price, ₩
KE.YKI.02	**RS-232/Bluetooth Adaptor,** to connect to Bluetooth Capable Devices, Such as Bluetooth Printers, Tablets, Laptops, Smartphones		733,870
KE.YKS.01	**(1) Statistics Printer**, "GLP" Capable, 0.75 lines/sec, Max. 40 Characters/line, with 112mm Paper & RS232, 165×140×50 mm, Adapter 230V/50Hz		951,870
KE.YKB.01	**(2) Thermal Printer,** "GLP" Capable, 0.75 lines/sec, Max. 40 Characters/line, with 112mm Paper, 165×140×50 mm, Adapter 230V/50Hz		807,020
KE.MLB.A05	**RS-232 Interface Cable,** PC or Thermal Printer, for "YKS.01", "YKB.01", 1.5m		106,380



(1) Statistics Printer KERN YKS.01



(2) Thermal Printer KERN YKB.01

Φ75 · 90 · 102mm Reusable Aluminum Weighing Dish

Conveniently Selectable Dishes, **재사용 알루미늄 평량 디쉬**

〈L3〉

■ ***Ideal for General Weighing and Moisture Drying Application.***

		Pk.	Price, ₩
DH.Dis8005	(3) Φ75 Alumi Weigh-Dish, Φ75×h8mm, 4.5g, 30㎖	100ea	108,750
DH.Dis8006	(4) Φ90 Alumi Weigh-Dish, Φ90×h4mm, 3.05g, 25㎖	50ea	13,000
KE.MLB.A01	, Φ90×h7mm, 3.7g, 40㎖	80ea	104,250
DH.Dis8007	(5) Φ102 Alumi Weigh-Dish, Φ102×h8mm, 3.8g, 57㎖	50ea	12,500



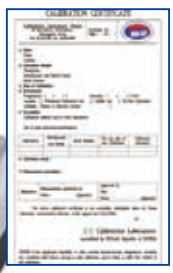
(4) Φ90mm Reusable Al. Dish

DAIHAN® [d] 0.01g, max.3,200 & 6,200g Calibration Certificated Hi-Standard Lab Balance "WBA-3200 & 6200", 168×168mm Plate

With Super Size Back Light LCD, Counting Function, 2kg Cali. Weight, Various Weight Mode

표준 다용도 랩 바란스, g · 계수 · % 측정, 보정용 표준분동 포함, 4각 플레이트, 보정 성적서 포함

CE *"Ext-CAL"*
[d] 0.01g, max.3,200g



Calibration Certificate 포함



2-Year Warranty



Includes 2kg(2×1kg) Calibration Weight
(Only "WBA-3200" model)

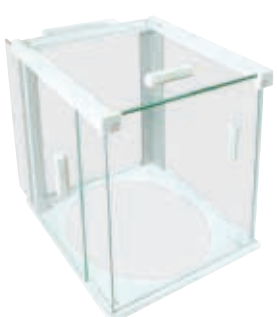
Hi-Standard Lab Balance, "WBA-3200"

- ***Supplied by DAIHAN Korea*** ■ ***CE Certified*** ■ ***PL (Product Liability) Insurance***
- ***With Calibration Certificate(보정 성적서 포함)***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
- ***Various Weight Mode (g/ct/GN/dwt/etc.) and Percent(%) Weighing Mode***
- ∗ Numberic Linearity Calibration
- ∗ Includes AC 230V Adapter for DC Power 12V/500mA
- ∗ Four Level Anti-shock Adjustable Function
- ∗ Time & Date Setting for Recording Data
- ∗ Weighing Response Time Adjustable
- ∗ Default and Auto Lock Present Working Mode
- ∗ Display Present Temperature
- ∗ Built in RS232C for Printer (SL.WBA.100P, SL.WBA.420P)
- ∗ Electro Magnetic Base
- ∗ Glass Draft Shield(Optional)

Specifications & Ordering information

〈L1〉

Spec. \ Model	"WBA-3200"	"WBA-6200"
Read-Out [d]. g	0.01 g	
Weighing Range. g	max.3,200 g	max.6,200 g
Weighing Plate. mm	168×168 mm	
Reproducibility. g	0.01 g	0.02 g
Linearity. g	0.02 g	0.03 g
Ambient Temperature	5.0℃~35℃	
Stabilization Time	≤ 3 Seconds (Typically Fast)	
Weight Mode	% Mode and g-/ct-/GN-/dwt-/etc.	
Counting Mode	Counting & Weighing Mode Available	
Calibration	External Calibration	
	Included 2×1kg Calibration Weight	None
Display	Digital Super Size LCD with Back-Light Function	
Dimension & Net Weight	195×295×h90mm / 2.6kg	
Packing Size & Gross Weight	243×377×h163mm / 3.2kg	
Electrical Reqts.	DC 12V, with AC 230V Adapter, 50/60Hz	
Cat. No.	DH.WBA3200	DH.WBA6200
Price, Each. ₩	743,000	1,389,000



(1) Glass Draft Shield (Optional)

Optional Glass Draft Shield

※ Target Model Required for Shielding Installation
∗설치를 위해 사용 중인 발란스를 제조사로 보내야 합니다.

		Ea. Price, ₩
DH.WBA0003	(1) Glass Draft Shield, 3 Slide Doors(Left, Right, Top), 175×195×h230mm	149,000



(2) "WBA-100" RS-232C Thermal Printer



(3) "WBA-420" RS-232C Thermal Label Printer

Optional Thermal Printer

※ The Balance Model must be Specified for Programming the Printer Module.
∗프린터 구매 전 사용 중인 모델을 알려주어야 합니다.

		Ea. Price, ₩
SL.WBA.100P	(2) Thermal Printer, Paper Roll, **"WBA-100"** Included Cable Module, 1×Paper Roll	548,000
DH.WBA0084	Thermal Paper Package, 5×Paper Roll, for **"WBA-100"**	15,900
SL.WBA.420P	(3) Thermal Printer, Label Paper Roll, **"WBA-420"** Included Cable Module, 1×Label Paper Roll	1,012,000
DH.WBA0771	Thermal Label Paper Package, 5×Label Paper Roll, for **"WBA-420"**	40,000



(5) Φ90mm Reusable Al. Dish

Φ75 · 90 · 102mm Reusable Aluminum Weighing Dish

Conveniently Selectable Dishes, **재사용 알루미늄 평량 디쉬**

〈L3〉

■ ***Ideal for General Weighing and Moisture Drying Application.***

		Pk.	Price, ₩
DH.Dis8005	(4) Φ75 Alumi Weigh-Dish, Φ75×h8mm, 4.5g, 30㎖	100ea	108,750
DH.Dis8006	(5) Φ90 Alumi Weigh-Dish, Φ90×h4mm, 3.05g, 25㎖	50ea	13,000
KE.MLB.A01	, Φ90×h7mm, 3.7g, 40㎖	80ea	104,250
DH.Dis8007	(6) Φ102 Alumi Weigh-Dish, Φ102×h8mm, 3.8g, 57㎖	50ea	12,500

※ The Price(VAT is extra) for Korean End-user, and Changeable.

DAIHAN® [d] 0.01 & 0.1g, max.610g~6,100g Multi-use Balance "BA-Series", DC & AC Adapter

With g · Metric · Pcs · % · Carat · CHK · Bargraph · Density Test-Function, **다용도 바란스, 무게 · 계수 · 퍼센트 · 캐럿 · 비교계량 · 비중측정 & 동물계량 기능**

■ ***Supplied by DAIHAN Korea*** ■ ***CE Certified*** ■ ***1-Year Warranty*** ■ ***Digital Large LCD Display and Ergonomic Design***

* Metric Function : Animal Weighing, Bar-Graph Display, Comparison Weighing CHK, Counting 10~100 Pcs., Density Determination, Percent % and Sub-Scale Dual Display
* 5×Touch Key : 1/2D*, MODE, ZERO, TARE, ENTER, and PRINT
* 3sec. Stabilization Time, and Permissible Ambient Temp 5℃~35℃
* Rechargeable Battery integrated, and with AC 230V Adapter for DC Power 12V/300mA
* Easy Operation Weighing Mode : Gram, Metric, and Carat
* Material : Stainless-steel Weighing Plate and ABS Resin Body
* RS-232C Interface and Level-Gauge integrated

(1) [d] 0.01g, max.610g Models

Weighing Plate ; 120×130mm



1-Year Warranty

(2)&(3) [d] 0.1g, max.3100g & 6100g Models

Weighing Plate ; 160×170mm



1-Year Warranty

Specifications & Ordering information

〈L1〉

Spec. \ Model	(1) "BA610"	(2) "BA3.1K"	(3) "BA6.1K"
Weighing Range max.	**610 g**	**3,100 g**	**6,100 g**
Read-Out [d] & Reproducibility. g	0.01 g	0.1 g	
Linearity. g	0.01 g	0.1 g	
Weighing Mode	Gram, Metric, Carat		
Weighing Plate. mm	120×130mm	160×170mm Stainless-steel	
Color	Silver-color	Light Grey-color	Silver-color
Dimension	170×250×h65mm		
Weight	0.8kg	1.0kg	
Packing	210×315×h115mm		
Gross Weight	1.7kg	1.9kg	
DC Power & AC Adapter	with Rechargeable Battery & AC 220 Adapter		
Cat. No.	**DH.Bal8013**	**DH.Bal8016**	**DH.Bal8017**
Price, Each. ₩	380,000	250,000	380,000

Optional Thermal Printer

※ The Balance Model must be Specified for Programming the Printer Module.
* 프린터 구매 전 사용 중인 모델을 알려주어야 합니다.

		Ea. Price, ₩
SL.WBA.100P	(4) Thermal Printer, Paper Roll, **"WBA-100"** Included Cable Module, 1×Paper Roll	548,000
DH.WBA0084	Thermal Paper Package, 5×Paper Roll, for **"WBA-100"**	15,900
SL.WBA.420P	(5) Thermal Printer, Label Paper Roll, **"WBA-420"** Included Cable Module, 1×Label Paper Roll	1,012,000
DH.WBA0771	Thermal Label Paper Package, 5×Label Paper Roll, for **"WBA-420"**	40,000



(4) "WBA-100" RS-232C Thermal Printer



(5) "WBA-420" RS-232C Thermal Label Printer



(7) Φ90mm Reusable Al. Dish

Φ75 · 90 · 102mm Reusable Aluminum Weighing Dish

Conveniently Selectable Dishes, **재사용 알루미늄 평량 디쉬**

〈L3〉

■ ***Ideal for General Weighing and Moisture Drying Application.***

		Pk.	Price, ₩
DH.Dis8005	(6) Φ75 Alumi Weigh-Dish, Φ75×h8mm, 4.5g, 30㎖	100ea	108,750
DH.Dis8006	(7) Φ90 Alumi Weigh-Dish, Φ90×h4mm, 3.05g, 25㎖	50ea	13,000
KE.MLB.A01	, Φ90×h7mm, 3.7g, 40㎖	80ea	104,250
DH.Dis8007	(8) Φ102 Alumi Weigh-Dish, Φ102×h8mm, 3.8g, 57㎖	50ea	12,500

Kern® [d] 0.05 & 0.1g, max.12 · 20 · 24kg Precision Heavy-duty Balance "572", 180×310×h90mm

With Piece Count & Large LCD Display, <Germany-Made> **대용량 정밀 바란스, 계수계 겸용**



Features

- **External Calibration**
- **Data Interface KUP**
- **GLP/ISO record keeping**
- **Piece Counting**
- **Net-total Weighing**
- **% Determination**
- **Weighing Unit**
- **Animal Weighing Program:** Strong Vibrations are Filtered Out.
- **Suspended Weighing**
- **AC 230V Adapter**
- **Strain Gauges**
- **Rechargeable Battery Pack**

■ ***CE & ISO 9001 Certified*** ■ ***All-round : as Laboratory, Counting, or Checking***

■ ***Thanks to the Many Typical Laboratory Functions, Ideal for Day-to-day Work in the Laboratory***

* With Recipe Function & Percentage Determination & GLP Record Keeping
* With Piece-Counting, Vibrationfree Weighing and the Large Weighing Capacities also Make these Balances Ideal for all Industrial Applications
* Freely Programmable Weighing Unit, e.g. Display Direct in Special Units such as Length of Thread g/m, Paper Weight g/m², or Similar
* The Robust Aluminium Diecast Housing Maintains the Stability, Protects the Weighing Technology Elements
* Protective Working Cover Included

Specifications

* **Large Backlit LCD Display,** Digit Height 18 mm
* **Weighing Plate Dimensions :** 160×200mm, Stainless-steel
* **Permissible Ambient Temperature :** 10℃~40℃

Specifications & Ordering information

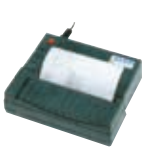
<L1>

Cat. No.	Weighing-Range Max g	Read-out d g	Repro-ducibility g	Linea-rity g	Overall Dimension & Weight (W×D×H, kg)	Weighing Plate	Price(₩)
KE.572.45	12000	0.05	**0.05**	±0.15	130×310×h90mm, 2.7kg	160×200mm	1,345,020
KE.572.55	20000	0.05	**0.1**	±0.15	130×310×h90mm, 2.7kg	160×200mm	1,446,470
KE.572.57	24000	0.1	**0.1**	±0.3	130×310×h90mm, 2.7kg	160×200mm	1,365,700

ALL for the Best BALANCES
--- via "KERN" since 1844

Optional Accessories

		Ea.	Price, ₩
KE.YKS.01	**(1) Statistics Printer,** "GLP" Capable, 0.75 lines/sec, Max. 40 Characters/line, with 112mm Paper & RS232, 165×140×50 mm, Adapter 230V/50Hz		951,870
KE.YKB.01	**(2) Thermal Printer,** "GLP" Capable, 0.75 lines/sec, Max. 40 Characters/line, with 112mm Paper, 165×140×50 mm, Adapter 230V/50Hz		807,020
KE.KUP.01	Interface Adapter with Cable, KUP to RS-232 Standard, 1.5m		140,700
KE.KUP.03	, KUP to USB-Device, 1.5m		202,780
KE.YKR.01	Rechargeable Battery Pack, Internal, Operating up to 24h, Charging approx 8h		72,430



(1) Statistics Printer KERN YKS.01



(2) Thermal Printer KERN YKB.01

Φ75 · 90 · 102mm Reusable Aluminum Weighing Dish

Conveniently Selectable Dishes, **재사용 알루미늄 평량 디쉬**

<L3>

■ ***Ideal for General Weighing and Moisture Drying Application.***

		Pk.	Price, ₩
DH.Dis8005	(3) Φ75 Alumi Weigh-Dish, Φ75×h8mm, 4.5g, 30㎖	100ea	108,750
DH.Dis8006	(4) Φ90 Alumi Weigh-Dish, Φ90×h4mm, 3.05g, 25㎖	50ea	13,000
KE.MLB.A01	, Φ90×h7mm, 3.7g, 40㎖	80ea	104,250
DH.Dis8007	(5) Φ102 Alumi Weigh-Dish, Φ102×h8mm, 3.8g, 57㎖	50ea	12,500



(4) Φ90mm Reusable Al. Dish

※ The Price(VAT is extra) for Korean End-user, and Changeable.



2-Year Warranty

"MGD" Body Scale
[d] 0.1kg, max.180 & 250kg
Tempered Glass Weighing Plate

Kern® [d] 0.1kg, max.180 & 250kg Popular Maximum Body Scale "MGD", with Large LCD

With Large · Flat Glass Weighing Plate, Ideal for Healthcare & Homecare, **가정용 스텝온 체중계**

- ***Supplied by Kern® in Germany*** ■ ***CE & ISO 9001 Certified***
- ***Large LCD Display and High-Contrast Display that is Easy to Read, Digit Height 40 & 50mm ; kg or lb***
- ***Secure and Non-slip Positioning with Height-Adjustable Rubber Feet, Particularly Flat Design Facilitates Access***
- ∗ with Large · Flat · Sturdy Glass Weighing Plate ∗ Easy and Hygienic Cleaning ∗ Generous Weighing Capacity
- ∗ Easy to Use and Time Efficient : Simply Tap on it, Stand on it, Read the Weight, Integrated AUTO-OFF Function
- ∗ Battery Included, **"MGD-100K-1"** : 2ea×CR2032, **"MGD-200K1L"** : 3ea×1.5V AAA, Operating Time up to 100h

Specifications & Ordering information

〈M1〉

Cat. No.	Weighing -Range Max kg	Readability d kg	Weighing Plate Dimensions (W×D×H) & Weight	Price, ₩
KE.MGD.100K.1S05	180	0.1	300×300×19mm, 1.5kg	57,130
KE.MGD.200K.1LS05	250	0.1	380×330×27mm, 2kg	84,850



2-Year Warranty

"MFB" Body Scale
[d] 0.1kg, max.182kg
with Electrodes

Kern® [d] 0.1kg, max.182kg Multifunctional Body Scale "MFB", with Large LCD

With Large · Flat Glass Weighing Plate, Ideal for Healthcare & Homecare, **가정용 다기능 스텝온 체중계**

- ***Supplied by Kern® in Germany*** ■ ***CE & ISO 9001 Certified***
- ***Large LCD Display and High-Contrast Display that is Easy to Read, Digit Height 35mm ; kg or lb***
- ***Secure and Non-slip Positioning with Height-Adjustable Rubber Feet, Particularly Flat Design Facilitates Access***
- ∗ Display Showing the Calorie Requirements for Maintaining the Current Body Weight Depending on the Level of Activity
- ∗ with Large · Flat · Sturdy Glass Weighing Plate ∗ Generous Weighing Capacity ∗ Memory for up to 10 people
- ∗ Easy to Use and Time Efficient : Simply Tap on it, Stand on it, Read the Weight, Integrated AUTO-OFF Function
- ∗ Battery Included : 2ea×CR2032, Operating Time up to 100h

Specifications & Ordering information

〈M1〉

Cat. No.	Weighing -Range Max kg	Readability d kg	Weighing Plate Dimensions (W×D×H) & Weight	Price, ₩
KE.MFB.150K.100S05	182	0.1	300×300×25mm, 2kg	90,300

(1) **"AC/DC겸용" with Backlight "MPD-M"**

[d] 0.1kg, max.250kg



2-Year Warranty

(2) **"DC용" "MPD-EM"**

[d] 0.2kg, max.250kg



2-Year Warranty



Step-on Function

Kern® [d] 0.1 & 0.2kg, max.250kg Step-on Floor Body Scale "MPD"

With Large Display, Ergonomically Optimized Design, **의료용 스텝온 체중계**

- ***Supplied by Kern® in Germany***
- ***Medical approved in Germany(독일 의료기 인증 완료)***
- ***CE & ISO 9001 Certified*** ■ ***ISO 13485 Certified***
- ***Approved as Medical Device according to 93/42/EEC***
- ∗ Easy to Use and Time Efficient : Simply Tap on it, Stand on it, Read the Weight.
- ∗ Secure and Non-slip Positioning with Height-Adjustable Rubber Feet.
- ∗ Large Platform with Non-Slip and Wear-Resistant Surface
- ∗ Suitable for Easy and Hygienic Cleaning
- ∗ Level Indicator Make to Level the Balance Precisely
- ∗ Robust and Ergonomically Optimized Design
- ∗ Dimensions of Display : 200×130×h60mm



(1) AC/DC겸용 with Backlight "MPD-M"
- Large Backlight LCD Display, Digit Height 25mm
- Mains Adapter External, Standard
- Battery Operation Possible, 6ea×1.5V AA, Not Included, Operating Time up to 20h

(2) DC용 "MPD-EM"
- Large LCD Display without Backlight, Digit Height 25mm
- Battery Operation, 6ea×1.5V AA, Included, Operating Time up to 20h

Specifications & Ordering information

〈M1〉

Cat. No.	Weighing -Range Max kg	Readability d kg	Verif. Value e kg	Weighing Plate Dimensions (W×D×H) & Weight	Price, ₩
KE.MPD.250K.100M	250	0.1	0.1	365×360×80mm, 10kg	920,820
KE.MPD.200K.1EM	250	0.2	0.2		777,100

DAIHAN® [d] 1mg, max.110g High-performance Moisture Analyzer "WBA-110M", 0.00~100.00%, 40℃~199℃

With 100g Cali. Weight, Back Light LCD, Counting Func., 3×displays of %(g)・℃・Time, & Ext-CAL Program, **초정밀/다용도 수분측정기**

"WBA-110M" *[d] 1mg, max.110g*



Includes 100g Calibration Weight

2-Year Warranty



Included ;
50Pcs Alumi Sample Dish
Φ90mm×h4mm

- ***Supplied by DAIHAN Korea***
- ***CE Certified***
- ***PL (Product Liability) Insurance***
- ***The Percentage of moisture Content***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
- ***Included 50Pcs Aluminium Sample Dishes(Φ90×h4mm, 3.05g)***
- ***Included 100g Calibration Weight***
- ***Store Historical Setting***
- ***Halogen Light Heating***
- ***Stainless-steel Chamber***
- ***Temperature and Time can be Set***
- ***External Calibration***
- ***The Percentage of Dry Residual***
- ***Back Light LCD***
- ***Display after Drying : Moisture(%) - Moisture Content from Wet Weight***
  Dry Content(%) - Dry Weight from Wet Weight
  ATRO(%) - 100 ~ 999%

∗ Digital Function, and AC 220V, 50/60Hz Operated ∗ Loadcell Sensor
∗ Ambient Temperature 5.0℃~35℃ ∗ Default and Auto Lock Present Working Mode
∗ Built in RS232C for Printer (SL.WBA.100P, SL.WBA.420P)

Specifications & Ordering information

〈L1〉

Spec. \ Model	"WBA-110M"
Read-Out [d]. g	1 mg
Weighing Range. g	**max.110 g**
Weighing Plate. mm	Φ90 mm
Reproducibility. g	2 mg
Ambient Temperature	5.0℃~35℃
Heat Source / Temp Sensor	Halogen Lamp / PT100 Sensor
Temp Range / Resolution	40℃~199℃ / 1℃
Moisture Range / Read ability	0.00 ~ 100% / 0.01%
Dry Residual	Range : 0.00 ~ 100.00%, Readability : 0.01%
ATRO	100 ~ 999%, 0 ~ 999%
Timer / Auto-stop	1 ~ 99min(Resolution : 1sec.) / Auto-stop 0.1~9.9% within 1min.
Number of Storage	15
Calibration	External Calibration, Included 100g Calibration Weight
Display	Digital LCD with Back-Light Function
Power Consumption	400 W
Dimension & Net Weight	180×200×h380mm / 5.8kg
Packing Size & Gross Weight	290×305×h440mm / 6.4kg
Power Supply & Cord Plug	AC 220V, 50 / 60Hz
Cat. No.	**DH.WBA110M**
Price, Each. ₩	1,992,000

Optional Thermal Printer

※ The Balance Model must be Specified for Programming the Printer Module.
∗ 프린터 구매 전 사용 중인 모델을 알려주어야 합니다.

		Ea. Price, ₩
SL.WBA.100P	(1) Thermal Printer, Paper Roll, **"WBA-100"** Included Cable Module, 1×Paper Roll	548,000
DH.WBA0084	Thermal Paper Package, 5×Paper Roll, for **"WBA-100"**	15,900
SL.WBA.420P	(2) Thermal Printer, Label Paper Roll, **"WBA-420"** Included Cable Module, 1×Label Paper Roll	1,012,000
DH.WBA0771	Thermal Label Paper Package, 5×Label Paper Roll, for **"WBA-420"**	40,000



(1) "WBA-100" RS-232C Thermal Printer



(2) "WBA-420" RS-232C Thermal Label Printer

Φ75・90・102mm Reusable Aluminum Weighing Dish

Conveniently Selectable Dishes, **재사용 알루미늄 평량 디쉬**

〈L3〉

- ***Ideal for General Weighing and Moisture Drying Application.***

		Pk.	Price, ₩
DH.Dis8005	(3) Φ75 Alumi Weigh-Dish, Φ75×h8mm, 4.5g, 30㎖	100ea	108,750
DH.Dis8006	(4) Φ90 Alumi Weigh-Dish, Φ90×h4mm, 3.05g, 25㎖	50ea	13,000
KE.MLB.A01	, Φ90×h7mm, 3.7g, 40㎖	80ea	104,250
DH.Dis8007	(5) Φ102 Alumi Weigh-Dish, Φ102×h8mm, 3.8g, 57㎖	50ea	12,500

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description

Kern® [d] 0.1 & 1g, max.500 & 1,000g Slim Pocket Balance for Reference "TGC", 10×13×h1.8cm, 200g

With Large Stainless Steel Weighing Plate & Shock Proof Plastic Cover, with Practical Tare Function, **슬림 포켓 디지털 바란스, 간편 영점기능**

CE 2-Year Warranty



Slim Pocket Balance ;
10×13×h1.8cm

Shock Proof
Plastic Cover



Incl. Shock Proof Plastic Cover
Can be used as a Weighing/Tare Cup

- ***Supplied by Kern® in Germany*** ■ ***CE & ISO 9001 Certified***
- ***High-Resolution Pocket Balance with Particularly Rapid Reaction and Stabilisation Time***
- ***With Particularly Flat Design***
- ∗ Shock Proof Plastic Cover as Protection against Pressure and Dust & Can be Used as a Weighing/Tare Cup
- ∗ Stainless Steel Weighing Plate, which Makes Cleaning Easy and Hygienic
- ∗ Weighing Unit : ct, dwt, g, gn, oz, ozt
- ∗ LCD Display : Backlit, Digit Height 12mm
- ∗ Optimal Temperature Range : 0℃~40℃
- ∗ Batteries Included ; 2×CR2032, Operating Time up to 33h

Specifications & Ordering information

〈L1〉

Cat. No.	Weighing Capacity Max g	Readability d g	Dimensions & Weight (W×D×H, g)	Weighing Plate (Φ)	Price, ₩
KE.TGC500.1S05	500g	0.1g	100×130×18mm, 200g	Φ81mm	45,550
KE.TGC1K.3S05	1,000g	1g			45,550

Kern® [d] 0.1 & 1g, max.320 & 1,000g Pocket Balance & Calculator "CM", 8.5×13×h2.5cm, 180g

With Convenient 4-Key Operation & Hard Case Cover, Well Protected, **포켓 바란스 겸 계산기**

CE 2-Year Warranty



Pocket Balance & Calculator "CM" ;
8.5×13×h2.5cm

- ***Supplied by Kern® in Germany*** ■ ***CE & ISO 9001 Certified***
- ***Highly Portable, Convenient Use due to Combined Balance & Calculator***
- ∗ Simple and Convenient 4-Key Operation
- ∗ Hard Case Cover as Protection against Pressure and Dust
- ∗ Robust, Handy, Well Protected
- ∗ Integrated Calculator
- ∗ LCD Display : Backlit, Digit Height 12mm
- ∗ Optimal Temperature Range : 18℃~25℃
- ∗ Batteries Included ; 2×1.5V AAA, Operating Time up to 33h
- ∗ Auto-Off Function to Preserve the Battery

Specifications & Ordering information

〈L1〉

Cat. No.	Weighing Capacity Max g	Readability d g	Dimensions & Weight (W×D×H, g)	Weighing Plate (W×D)	Price, ₩
KE.CM320.1N	320g	0.1g	85×130×25mm, 180g	70×80mm	134,040
KE.CM1K.1N	1,000g	1g			125,540

DAIHAN® [d] 0.1 & 1g, max.610 & 6,100g Functional Compact Scale "BAP610" & "BA6.1KS", 17×25×h6.5cm

With 10~100Pcs. Counting · Bargraph · LCD Display, with DC & AC Adapter, **기본형 스케일/저울 계수기능**

■ ***Supplied by DAIHAN Korea*** ■ ***CE Certified*** ■ ***Digital Large LCD Display and Ergonomic Design***

* Easy Operation, Sturdy and Balancing with Level Gauge
* Material : Stainless-steel(SS) Weighing Plate and ABS Resin Body
* AA Battery and AC 230V Adapter for DC Power 12V/300mA
* 10~100 Pcs. Counting and Bar-graph Display Function
* 4× Touch Key : MODE, ZERO, TARE, and ENTER
* Fast Stabilization Time - 3 seconds
* Permissible Ambient Temp 5℃~35℃

"BAP" Functional Scale



1-Year Warranty

Specifications & Ordering information

<L1>

Spec. \ Model	"BAP610"	"BA6.1KS"
Weighing Range. g	**max.610g**	**max.6,100g**
Read-Out [d] & Reproducibility. g	0.1g & 0.1g	1g & 1g
Linearity. g	0.1g	1g
Weighing Mode	Gram	
SS Weighing Plate. mm	120×130mm	160×170mm
Color Light	Silver-color	
Dimension & Weight	170×250×h65mm, 0.8kg	170×250×h65mm, 1.0kg
Packing & Gross Weight	210×315×h115mm, 1.7kg	210×315×h115mm, 1.9kg
DC Power & AC Adapter	with Rechargeable Battery & AC 220V Adapter	
Cat. No.	**DH.Bal8026**	**DH.Bal8031**
Price, Each. ₩	145,000	147,000

DAIHAN® [d] 0.1 & 1g, max.610 & 6,100g Compact Economy Scale "BAS", 17.5×24×h6cm

Good for Saving Money, with Pcs. Counting, Back Light LCD, Battery, without Adapter, **경제형 컴팩트 스케일/저울, 계수 기능**

"BAS" Eco-Scale



1-Year Warranty

■ ***Supplied by DAIHAN Korea*** ■ ***CE Certified***

* Ergonomic Design for Intuitive User Interface
* Ambient Temperature 5℃~35℃
* Pcs. Counting & Weighing Mode
* Numeric Linearity Calibration

Specifications & Ordering information

<L1>

Spec. \ Model	"BAS610"	"BAS6.1K"
Weighing Range. g	**max.610g**	**max.6,100g**
Weighing Plate. mm	155×155mm	
Read-Out [d] & Reproducibility. g	0.1g & 0.1g	1g & 1g
Material	Body : ABS, Platform : Stainless-steel	
Dimension & Weight	175×240×h60mm, 0.6kg	
Packing & Gross Weight	280×180×h80mm, 0.8kg	
Power Supply	DC 9V/300mA / AA×2Ea.	
Cat. No.	**DH.Bal8021**	**DH.Bal8022**
Price, Each. ₩	55,000	55,000

[d] 0.1g, max.1,000g Mini Comfort Smart Scale "CP-1", 15×16.5×h3.5cm

With USB Rechargeable Battery · Silicone Cover · LED Display · Touch Button · Auto-OFF, **소형 기능성 스마트 스케일/저울**

"CP-1" Smart Scale
[d] 0.1g, max.1,000g
15×16.5×h3.5cm



1-Year Warranty

■ ***Supplied by DAIHAN Korea*** ■ ***CE Certified*** ■ ***Digital LED Display***

* Smart Design for Easy to use and Quick Operation
* USB Rechargeable Battery Integrated (1,000mAh)
* Ambient Temperature 5℃~35℃
* With Silicone Cover
* Touch Button
* Smart Auto-OFF 10min

Specifications & Ordering information

<L1>

Spec. \ Model	"CP-1"
Weighing Range. g	**max.1,000g**
Weighing Plate. mm	150×150mm, ABS
Read-Out [d] & Reproducibility. g	0.1g
Linearity. g	0.1g
Material	Body : ABS
Dimension & Weight	150×165×h35mm, 450g
Packing & Gross Weight	181.5×172.5×h47mm, 1.14kg
Power Supply	5V / 1,000mA (USB to Micro 5 Pin)
Cat. No.	**DH.Bal3021**
Price, Each. ₩	110,000

※ The Price(VAT is extra) for Korean End-user, and Changeable.

[d] 2 & 10g, max.10 & 30kg Waterproof Economy Scale "T-2810K" & "T-2830K", Digital LCD, IP×2

With Rechargeable Battery, Tray, Back Light & LCD Display, DC Adapter, Pcs. Counting, **방수 경제형 스케일/저울**



"T-28K" *Waterproof Scale ; 10kg & 30kg*

230×240×h170mm

1-Year Warranty

- ***Supplied by DAIHAN Korea*** ■ ***CE Certified*** ■ ***1-Year Warranty***
- ***Digital LCD Display*** ■ ***Pcs. Counting***
- ∗ Included Rechargeable Battery (5,000mAh)
- ∗ AC 220V Adapter for DC Power 12V / 1.5A
- ∗ Waterproofing (Protection Against Falling Water)
- ∗ Smart Auto-off 10min
- ∗ Body & Platform ; Made of ABS

Specifications & Ordering information

<L1>

Spec. \ Model	"T-2810K"	"T-2830K"
Weighing Range. g	**max.10kg**	**max.30kg**
Read-Out [d]. g	2g	10g
Reproducibility. g	2g	10g
Display	g, kg, PCS ; LCD, 5 Digit (100×h40mm), Back Light On/Off	
Platform Size. mm	230×190 mm, ABS	
Dimension & Weight	230×240×h170mm, 2.7kg	
Packing & Gross Weight	350×260×h265mm, 3.6kg	
Electrical Requirements	Adaptor DC 12V/1.5A, 220V/60Hz	
Cat. No.	**DH.Bal3026**	**DH.Bal3027**
Price, Each. ₩	120,000	120,000

DAIHAN® [d] 0.5 & 1g, max.15 & 30kg Basic High Capacity Bench Scale "BAH15L" & "BAH30L"

With Pcs. · % · Alarm · Print & Check Function and Rechargeable Battery/Back Light & LCD Display, DC & AC Adapter, 32×34×h12.5

기본형 대용량 다기능 스케일/저울, Pcs. 계수 · % · 경보음 · 인쇄 및 체크 기능, 재충전 배터리/백라이트 내장



"BAH15L"&"BAH30L" *Bench Scale ; 15kg & 30kg*

32×34×h12.5cm

1-Year Warranty

- ***Supplied by DAIHAN Korea*** ■ ***CE Certified*** ■ ***1-Year Warranty***
- ***Digital : 3×6 digits LCD Display, 20mm Digits, and Sturdy/Ergonomic Design***
- ***7×Touch Key : UNIT, PRINT, FUNC., %, LIMIT, TARE, and ZERO***
- ***Easy Operation & Multi-Function : Alarm, Check, Counting Pcs., Percent %, and Print. "RS-232C"-Option***
- ∗ Integrated Rechargeable Battery(100Hr-Run) and Back Light
- ∗ Very Fast Stabilization Time : 2 seconds
- ∗ Permissible Ambient Temp. −10℃+40℃
- ∗ Material : Stainless-steel Platform and ABS Resin Body
- ∗ External Calibration
- ∗ with AC 220V Adapter for DC Power 9V / 850mA

Specifications & Ordering information

<L1>

Spec. \ Model	"BAH15L"	"BAH30L"
Weighing Range. g	**max.15kg**	**max.30kg**
Read-Out [d]. g	0.5 g	1 g
Reproducibility. g	0.5 g	1 g
Weighing Plate. mm	225×300mm	
Dimension & Weight	320×340×h125mm, 3.8kg	
Packing & Gross Weight	370×440×h210mm, 4.6kg	
DC Power & AC Adapter	with Rechargeable Battery & AC 220V Adapter	
Cat. No.	**DH.Bal8041**	**DH.Bal8042**
Price, Each. ₩	380,000	420,000

Innotem® "F1"- & "M1"-Class Standard Weight, Set & Individual, "OIML"-class, International Accurate Class
Polished Stainless-steel, <China-Made> "OIML" 표준분동세트 & 개별분동

■ ***Supplied by DAIHAN Korea***

■ ***"OIML R111-2004" [Fr : Organisation Internationale de Metrologie Legale : International Organization of Legal Metrology] Offers the appropriate***

∗ F1-Class Weight : Test Weight for Analytical Balance & Precision Balance Verification (Class Ⅰ/Ⅱ ≤ 100,000e)

∗ M1-Class Weight : Test Weight for Industrial and Commercial Scale Verification (ClassⅢ ≤ 10,000e)

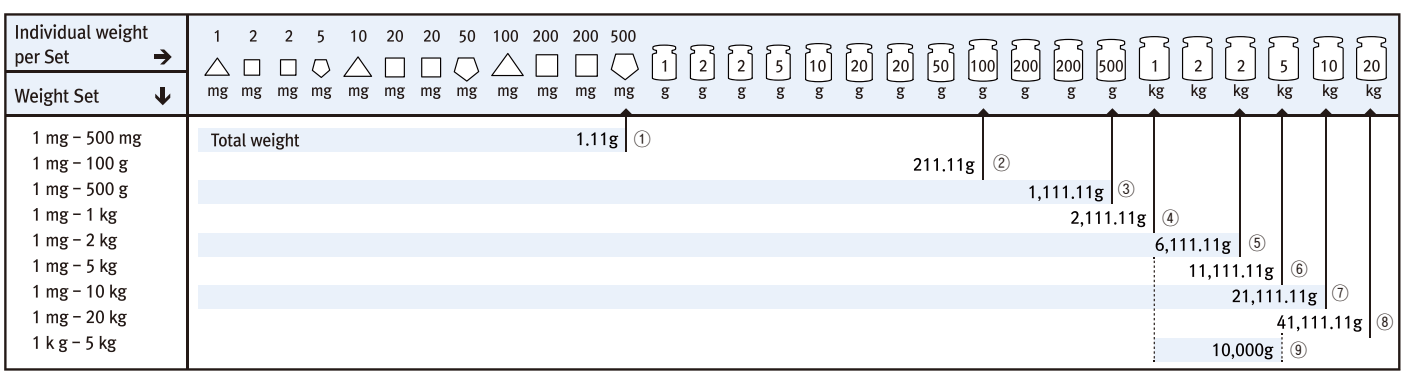
※ Note! The Calibration Price ;
⇒ See the Next Page!

(1) "F1"- & "M1"- Class OIML R111-2004 Standard Weight-Set
Aluminum Case, Tweezer, Cotton cloth, Brush, 분동세트

<L1>



Weight Set	Pcs.	F1 Set		M1 Set	
		Cat. No.	Set. Price, ₩	Cat. No.	Set. Price, ₩
① 1mg ~ 500mg	12 Pcs	I7.Wei7051	61,230	I7.Wei7151	36,850
② 1mg ~ 100g	21 Pcs	I7.Wei7052	261,550	I7.Wei7152	178,070
③ 1mg ~ 500g	24 Pcs	I7.Wei7054	383,970	I7.Wei7154	261,550
④ 1mg ~ 1kg	25 Pcs	I7.Wei7055	500,830	I7.Wei7155	345,000
⑤ 1mg ~ 2kg	27 Pcs	I7.Wei7056	806,870	I7.Wei7156	584,290
⑥ 1mg ~ 5kg	28 Pcs	I7.Wei7057	1,107,350	I7.Wei7157	901,470
⑦ 1mg ~ 10kg	29 Pcs	I7.Wei7058	1,644,330	I7.Wei7158	1,402,270
⑧ 1mg ~ 20kg	30 Pcs	I7.Wei7059	2,565,270	I7.Wei7159	2,131,230
⑨ 1 kg ~ 5kg	4 Pcs	I7.Wei7060	723,400	I7.Wei7160	634,370



(2) "F1"- & "M1"- Class OIML R111-2004 Standard Individual Weight in a Case
Plastic Case, But 10 & 20kg in Aluminum Case, 개별분동



(a) Milligram Weight & Case



(b) & (c) 1g ~ 5kg Weight & Case



(c) 10 & 20kg Weight in a Alu-Case



(d) Rectangle Weight in a Alu-Case

Weight Type	"F1" Individual Weight				"M1" Individual Weight			
	Cat. No.	Weight	± Tol mg	Ea. Price, ₩	Cat. No.	Weight	± Tol mg	Ea. Price, ₩
(a) Milligram	I7.Wei7001	1mg	±0.020 mg	5,000	I7.Wei7101	1mg	± 0.20 mg	3,070
	I7.Wei7002	2mg	±0.020 mg	5,000	I7.Wei7102	2mg	± 0.20 mg	3,070
	I7.Wei7003	5mg	±0.020 mg	5,000	I7.Wei7103	5mg	± 0.20 mg	3,070
	I7.Wei7004	10mg	±0.025 mg	5,000	I7.Wei7104	10mg	± 0.25 mg	3,070
	I7.Wei7005	20mg	±0.03 mg	5,000	I7.Wei7105	20mg	± 0.3 mg	3,070
	I7.Wei7006	50mg	±0.04 mg	5,000	I7.Wei7106	50mg	± 0.4 mg	3,070
	I7.Wei7007	100mg	±0.05 mg	5,000	I7.Wei7107	100mg	± 0.5 mg	3,070
	I7.Wei7008	200mg	±0.06 mg	5,000	I7.Wei7108	200mg	± 0.6 mg	3,070
	I7.Wei7009	500mg	±0.08 mg	5,000	I7.Wei7109	500mg	± 0.8 mg	3,070
(b) Gram	I7.Wei7011	1g	±0.10 mg	9,190	I7.Wei7111	1g	± 1.0 mg	6,130
	I7.Wei7012	2g	±0.12 mg	10,590	I7.Wei7112	2g	± 1.2 mg	6,130
	I7.Wei7013	5g	±0.16 mg	12,250	I7.Wei7113	5g	± 1.6 mg	7,190
	I7.Wei7014	10g	±0.20 mg	14,470	I7.Wei7114	10g	± 2.0 mg	8,190
	I7.Wei7015	20g	±0.25 mg	19,470	I7.Wei7115	20g	± 2.5 mg	10,750
	I7.Wei7016	50g	±0.3 mg	26,700	I7.Wei7116	50g	± 3.0 mg	15,870
	I7.Wei7017	100g	±0.5 mg	32,290	I7.Wei7117	100g	± 5.0 mg	21,490
	I7.Wei7018	200g	±1.0 mg	35,630	I7.Wei7118	200g	± 10 mg	25,050
	I7.Wei7019	500g	±2.5 mg	50,090	I7.Wei7119	500g	± 25 mg	39,400
(c) Kilogram	I7.Wei7021	1kg	±5.0 mg	105,730	I7.Wei7121	1kg	± 50 mg	85,930
	I7.Wei7022	2kg	±10 mg	144,690	I7.Wei7122	2kg	± 100 mg	107,400
	I7.Wei7023	5kg	±25 mg	267,100	I7.Wei7123	5kg	± 250 mg	260,870
	I7.Wei7024	10kg	±50 mg	536,990	I7.Wei7124	10kg	± 500 mg	501,200
	I7.Wei7025	20kg	±100 mg	918,150	I7.Wei7125	20kg	± 1000 mg	732,400
(d) Rectangle	I7.Wei7033	5kg	±25 mg	500,800	I7.Wei7133	5kg	± 250 mg	417,350
	I7.Wei7034	10kg	±50 mg	806,870	I7.Wei7134	10kg	± 500 mg	684,450
	I7.Wei7035	20kg	±100 mg	1,391,130	I7.Wei7135	20kg	± 1000 mg	1,157,400

※ The Price(VAT is extra) for Korean End-user, and Changeable.

DAIHAN® KOLAS Calibration Certificate for "F1- & M1- Class" Weight, F1- & M1-급 분동 KOLAS 교정



■ *"OIML R111-2004" [Fr : Organisation Internationale de Metrologie Legale : International Organization of Legal Metrology] Offers the appropriate Test Weight Package : Consisting of the Weight, Box and DAIHAN Certificate.*
■ *Available Calibration Certificate Service for all Brand Weight*
■ *"KOLAS" Calibration Certificate of Traceability*
∗ Accredited by KOLAS (Korea Laboratory Accreditation Scheme = Korea Calibration Service)
∗ KOLAS which Signed the ILAC-MRA (International Laboratory Accreditation Cooperation - Mutual Recognition Arrangement)
∗ Significant Instability or other Adverse Factor can affect the Validity of the Calibration (Overload, Temperature, Humidity etc.)

〈L1〉

Weight Range	F1 Weight Calibration Certificate		M1 Weight Calibration Certificate	
	Cat. No.	Price, ₩	Cat. No.	Price, ₩
1mg ~ 500g	**DH.Wei201.01**	15,200	**DH.Wei201.11**	11,400
1kg ~ 5kg	**DH.Wei201.02**	23,750	**DH.Wei201.12**	16,150
10kg	**DH.Wei201.03**	35,150	**DH.Wei201.13**	23,750

∗ **Weight-Set & Other Weights are available upon Customer's Request.**

, Accessories 액세서리



Glass Weighing Bottle, with Ground Glass Stopper, Short- & Tall-form, 5~85㎖

Excellent Chemical · Mechanical Resistance, Boro-glass 3.3, **글라스 다용도 평량병**

〈L1〉

(1) Short form, 20~82㎖

		Ea. ₩	Pk. Price, ₩
GL.264.202.01	20㎖, Φ40×h30mm	11,500	10ea 111,500
GL.264.202.03	35㎖, Φ50×h35mm	17,820	10ea 172,770
GL.264.202.05A	40㎖, Φ60×h40mm	27,000	10ea 261,750
GL.264.202.04	50㎖, Φ50×h50mm	19,620	10ea 190,040
GL.264.402.07	82㎖, Φ70×h33mm	40,820	10ea 395,720

(2) Tall form, 5~85㎖

		Ea. ₩	Pk. Price, ₩
GL.264.202.06	5㎖ , Φ20×h40mm	5,970	10ea 57,730
GL.264.202.07	15㎖, Φ25×h50mm	7,080	10ea 68,470
GL.264.202.08	25㎖, Φ30×h60mm	9,250	10ea 89,650
GL.264.202.09	60㎖, Φ40×h80mm	13,950	10ea 135,280
GL.264.407.07	85㎖, Φ50×h60mm	19,980	10ea 193,630



Kartell® Universal Use Weighing Bottle, PP, Transparent, 20~360㎖

Excellent Chemical Resistance, Autoclavable, 0℃~125/140℃, <Italy-Made> **PP 다용도 평량병**

∗ PP(Polypropylene) ∗ Good Chemical & Temp-Resistance ∗ Multi-use : Weighing, Sampling and Storage.

〈L1〉

(1) Short form, 20~50㎖

		Ea. Price,₩	Pk. Price, ₩
KA.342	20㎖, Φ40×h30mm	6,270	10ea 60,690
KA.345	30㎖, Φ50×h30mm	6,430	10ea 62,250
KA.346	50㎖, Φ60×h34mm	7,280	10ea 70,470

(2) Tall form, 23~360㎖

		Ea. Price,₩	Pk. Price, ₩
KA.340	23㎖ , Φ30×h50mm	5,850	10ea 56,600
KA.343	60㎖ , Φ40×h70mm	6,420	10ea 62,040
KA.347	190㎖, Φ60×h90mm	8,500	10ea 82,350
KA.348	360㎖, Φ70×h120mm	9,690	10ea 93,920



Micro

Wheaton® 0.5 & 2.2㎖ Reusable Aluminum Micro-weighing Dish, with Smooth-surface

Ideal for Analytical Balance, Φ11 & 20mm, <USA-Made> **알루미늄 미량 디쉬**

〈L1〉

		dh pk. Price, ₩	Cs.	Price, ₩
WH.370790	Weighing Dish, 0.5㎖, Φ11×h6mm, 0.15 g/pcs	10ea 4,090	1000ea	201,580
WH.370792	, 2.2㎖, Φ20×h8mm, 0.45 g/pcs	10ea 5,170	1000ea	255,140



(1) Φ75 · 90 · 102mm Reusable Al. Dish



(2) Φ90mm Reusable Al. Dish

Φ75 · 90 · 102mm Reusable Aluminum Dish, for Sampling & Weighing, 25~57㎖

알루미늄 샘플/평량 디쉬, 재사용 가능

∗ Good for General Weighing, Testing and Moisture Drying Application for Moisture Analyzer

(1) Φ75 · 90 · 102mm Reusable Aluminum Dish

■ ***Supplied by DAIHAN Korea***

〈L3〉

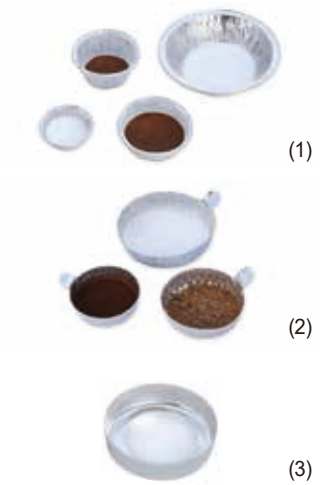
		Pk.	Price, ₩
DH.Dis8005	Al.Sample Dish, 30㎖, Φ75×h8mm, 4.5g	100ea	108,750
DH.Dis8006	, 25㎖, Φ90×h4mm, 3.05g	50ea	13,000
DH.Dis8007	, 57㎖, Φ102×h8mm, 3.8g	50ea	12,500

(2) Φ90mm Premium Reusable Aluminum Dish, <Germany-Made>

〈L1〉

		Pk.	Price, ₩
KE.MLB.A01	Al.Sample Dish, 40㎖, Φ90×h7mm, 3.7g	80ea	104,250

Articles	Cat. No	Description



(1)

(2)

(3)

SciLab® Disposable Aluminum Weighing Dish, Stackable, General- · Attached Handle- · Smooth Wall-type

Ideal for Weighing, Storage, Sampling and Drying, No Coating and Oil Free, **알루미늄 샘플/평량 디쉬**

■ ***Supplied by SciLab Korea***

∗ Ideal for Weighing, Storage, Sampling and Drying ∗ with Flat Bottom

〈L3〉

(1) Aluminum Weighing Dish, General-type

		Pk.	Price, ₩
SL.Dis8030	Weighing Dish, Aluminum, General-type, 20㎖ , Φ51×h12.7mm , 1g	100ea	16,000
SL.Dis8031	, 70㎖ , Φ70×h30.0mm , 1.5g	100ea	18,000
SL.Dis8032	, 75㎖ , Φ71×h17.4mm , 2g	100ea	16,500
SL.Dis8034	, 200㎖, Φ127×h28.6mm, 4g	50ea	18,000

(2) Aluminum Weighing Dish, Attached Handle-type

		Pk.	Price, ₩
SL.Dis8040	Weighing Dish, Aluminum, Attached Handle-type, 8㎖ , Φ30×h10.0mm, 0.3g	100ea	14,000
SL.Dis8042	, 20㎖, Φ50×h12.7mm, 1g	100ea	8,100
SL.Dis8043	, 40㎖, Φ60×h16.0mm, 1.5g	100ea	11,250
SL.Dis8044	, 80㎖, Φ76×h16.0mm, 2g	100ea	14,070

(3) Aluminum Weighing Dish, Smooth Wall-type

		Pk.	Price, ₩
SL.Dis8051	Weighing Dish, Aluminum, Smooth Wall-type, 85㎖, Φ100×h13mm, 5g	100ea	33,000



Low-Nitrogen Weighing Paper, 평량지/유산지

■ ***Made in Korea***

∗ Ideal for Chemical, Medical, Laboratory

∗ Perfect Surface Treatment : Powder Samples were not Asked

∗ NO Dust / Absorptiveness

〈L1〉

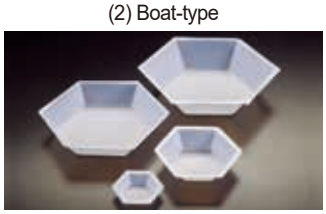
		Pk.	Price, ₩
DH.WEP000	Weighing Paper, 50×50mm	500sheet	540
DH.WEP0011	, 60×60mm	500sheet	780
DH.WEP001	, 80×80mm	500sheet	1,240
DH.WEP002	, 100×100mm	500sheet	1,920
DH.WEP0021	, 120×120mm	500sheet	2,790
DH.WEP003	, 150×150mm	500sheet	4,470



(1) Square-type



(2) Boat-type



(3) Hexagonal-type

Simport® Anti-Static Weighing Dish, PS, with Smooth Surface, Disposable, 9~355㎖

Suitable for Clean Room, −10℃+70/80℃, PS **일회용 플라스틱 평량디쉬, 정전기방지용**

■ ***Supplied by Simport® in Canada***

∗ Use : Sampling for Liquid and Solid and Powder, Easily Transformed into Funnel-form

〈L1〉

(1) Square-type ; Accurate Pour-Outs With Minimum Sample Loss

		Pk.	Price,₩	Cs.	Price, ₩
SP.D250.1	Dish, Square type, 10㎖ , 40×40×h8mm	500ea	34,550	8pk	263,050
SP.D250.2	, 100㎖, 78×78×h25mm	500ea	82,830		
SP.D250.3	, 330㎖, 127×127×h25mm	500ea	170,370		

(2) Boat-type, Pour Dish ; for Static-affected Materials, Easy to Spout

		Pk.	Price,₩	Cs.	Price, ₩
SP.D251.1	Dish, Boat type, 12㎖ , 50×37×h8mm	250ea	33,640	8pk	255,950
SP.D251.2	, 140㎖, 128×76×h25mm	250ea	73,450		
SP.D251.3	, 270㎖, 180×117×h25mm	250ea	114,590		

(3) Hexagonal-type ; Greater Balance Protection and Safety

		Pk.	Price,₩	Cs.	Price, ₩
SP.D252.1	Dish, Hexagonal type, 9㎖ , Top i.d. 35mm , Base i.d.25mm	500ea	38,190	8pk	290,690
SP.D252.2	, 58㎖ , Top i.d. 70mm , Base i.d.47mm	500ea	75,420		
SP.D252.3	, 203㎖, Top i.d.115mm, Base i.d.85mm	500ea	124,400		
SP.D252.4	, 355㎖, Top i.d.130mm, Base i.d.95mm	500ea	152,750		



(1) Square-type Black



(2) Diamond-form Black

Black Weighing Dish, PS, Square-type & Diamond-form, Ideal for White Sample

With Smooth Surface, −10℃+70/80℃, **검정 4각 & 다이아몬드형 웨잉디쉬**

〈L3〉

(1) Square-type, 10 · 100 · 300㎖, 4각형

		Pk.	Price, ₩
SL.Dis3021	Dish, Square-type, Black, 43×43×h8mm, 10㎖	250ea	15,000
SL.Dis3022	, 89×89×h25mm, 100㎖	250ea	24,000
SL.Dis3023	, 140×140×h25mm, 300㎖	250ea	46,500

(2) Kartell® Diamond-form, <UK-Made> 30 & 100㎖, 다이아몬드형 NEW

〈L1〉

		Pk.	Price,₩	Cs.	Price, ₩
KA.11101.09	Dish, Diamond-type, Black, 85×56×h15mm, 30㎖	250ea	72,850	2pk	134,890
KA.11102.09	, 135×96×h19mm, 100㎖	250ea	137,640		

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



Lab Bristle Brush, For Cleaning Balance, Wood Handle with Metal Ferrule, 랩 브러쉬

〈B3〉

Cat. No	Description	Ea. Price, ₩
S24.178.2	Brush, Bristle Φ19×L52mm, overall 28cm	15,240
S24.178.3	, Bristle Φ24×L56mm, overall 30cm	19,340



Weighing Forceps, High Grade Stainless-steel, with Plastic Tip L100mm
Ideal for Handling Precision Weight, Non-Magnetic, Finished Surface, 웨잉 포셉/핀셋, 비자성/비부식

■ ***Supplied by SciLab Korea***
■ ***특급 스텐(18/10 크롬·니켈) 제품 ; 비자성, 비부식, 내산성 / 내약품성 / 내열성-우수***
■ ***High Grade Stainless-steel of 18/10 Cr-Ni; Non-magnetic, Rust-free, Excellent Resistance to Acid / Chemicals / Heat***

〈L1〉

Cat. No	Description	Ea. Price, ₩
SL.For7089	Forceps, Weighing, Plastic Grip Tip, SS, L100mm	5,670



Micro Spoon-Spatula, High Grade Stainless-steel, L150~200mm
With Bowl 3×5~5×9, Non-magnetic, 마이크로 스패츌러-스푼, 비자성/비부식

■ ***Supplied by SciLab Korea***

〈L1〉

∗ 18/10 Stainless-steel; Non-magnetic, Rust-free, Anti-Acid / Chemicals / Heat

Cat. No	Description	Ea. Price, ₩
SL.Spa7011	Micro Spoon-Spatula, L150, Bowl-3×5, Blade-5×50, Stem-Φ2.5 mm	3,780
SL.Spa7012	, L150, -5×7, -5×50, -Φ2.5 mm	3,780
SL.Spa7013	, L180, -5×9, -5×50, -Φ2.5 mm	3,780
SL.Spa7014	, L200, -5×9, -5×50, -Φ2.5 mm	4,880



Hammacher® Premium Spoon-Spatula, Rustproof Stainless-steel, L150~230mm
With 1-side Blade, Finished Polish, <Germany-Made> 프리미엄 스푼-스패츌러, 독일제, 비부식

〈L1〉

∗ 18/8 Stainless-steel; Rust-proof, Anti-Acid / Chemicals / Heat

Cat. No	Description	Ea. Price, ₩
HA.HSN133.15	Spoon-Spatula, L150, Blade - 10×50, Spoon - 17×38, Stem-Φ3mm	9,200
HA.HSN134.18	, L180, - 10×55, - 17×38, -Φ3mm	9,540
HA.HSN135.21	, L210, - 10×60, - 17×38, -Φ3mm	10,030
HA.HSN136.23	, L230, - 10×60, - 17×38, -Φ4mm	10,520



(1) Stainless-steel



(2) PTFE-coated

Premium Vibro-Scoop, High Grade Stainless-steel · PTFE-Coated, with Adjusting Knob, L190 & 220mm
Ideal for Handling High Value Materials, with Plastic-handle, 프리미엄 진동 스쿠프

■ ***진동에 의한 미세한 용량 조절이 가능하여 밸런스 측정 및 고품질 시료를 핸들링하는데 적합***

∗ Ideal for Use with Balance or Handling High Value Materials ∗ Adjustable Sample Offering with the Adjusting Knob

(1) Bochem® Stainless-steel Vibro-Spatula, with Plastic-handle, L190mm

∗ Supplied by Bochem® in Germany
∗ 18/10 Stainless-steel; Non-magnetic, Rust-free, Anti-Acid · Chemicals · Heat

〈L1〉

Cat. No	Description	Ea. Price, ₩
BC.3540	Vibro Scoop, Stainless-steel, L190, Blade-12×50mm	39,020

(2) Hammacher® PTFE-Coated Vibro-Spatula, with Plastic-handle, L220mm

∗ Made in Germany
∗ Teflon-PTFE : Anti-Acid · Alkally · Chemicals · Corrosion, MP 260℃

Cat. No	Description	Ea. Price, ₩
HA.HSN462.22	PTFE-coated Vibro Scoop, L220, Blade-7×80mm	53,870

Articles	Cat. No	Description



(1) Bowl/Dish only



(2) with Handling Stem

Weighing Scoop, High Grade Stainless-steel, with or without Handling Stem, L70~250mm
Non-magnetic, Rust-free, **경제형 웨잉 스쿠프, 비자성/비부식**

■ ***Supplied by SciLab Korea***

∗ 18/10 Stainless-steel; Non-magnetic, Rust-free, Anti-Acid/Chemicals/Heat

(1) Bowl/Dish-only, without Handling Stem, L70~120mm

〈L1〉

		Ea.	Price, ₩
SL.Sco7031	Weighing Scoop, Dish, SS, Dish-32×70mm , 13g		3,270
SL.Sco7032	, Dish-32×90mm , 18g		3,530
SL.Sco7033	, Dish-32×105mm, 23g		3,780
SL.Sco7034	, Dish-32×120mm, 26g		4,070

(2) with Handling Stem, L200~250mm

		Ea.	Price, ₩
SL.Sco7036	Weighing Scoop, Handled, SS, Bowl-31×70 , Overall-L200mm, 29g		8,620
SL.Sco7037	, Bowl-31×90 , -L220mm, 33g		8,890
SL.Sco7038	, Bowl-31×105, -L235mm, 45g		9,170
SL.Sco7039	, Bowl-31×120, -L250mm, 48g		9,430



Glass Weighing Scoop, 3·6·10㎖, Easy to Use, Boro-glass 3.3, Glass **평량 스쿠프**

∗ with open Tubular Arm for the Filling of Powder into Narrow Mouth Bottles / Vessels

∗ with Flat Bottom for Safety Location

〈L1〉

		Ea.	Price,₩	Pk.	Price, ₩
SL.Sco1011	Weighing Scoop, Glass, 3㎖ , L(approx)-65mm		18,380	10ea	177,920
SL.Sco1012	, 6㎖ , -80mm		18,380	10ea	177,920
SL.Sco1013	, 10㎖, -95mm		18,380	10ea	177,920



VITLAB® White Measuring Scoop, PP, Flat-top, Autoclavable, 2~100㎖
For Liquid · Powder · Solid, 0℃~125/140℃ Stable, PP **백색 계량 스쿠프, 액체/고체겸용**

■ ***Supplied by VITLAB® in Germany***

■ ***다양한 용량과 정밀한 용량, 안정적인 손잡이를 가진 스쿠프***

∗ With Precision Formed Suitable Filling Edge and Comfortable ∗ 121℃ Autoclavable PP(Polypropylene)

∗ Good Chemical & Temp-Resistance Multi-Use : Free-Standing and Flat-Top Construction

∗ Easily Readable Volume Quantities on the Upper Side of the Stable Handle.

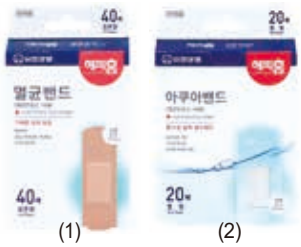
∗ Suitable as Weighing Scoops

〈L1〉

		Ea. ₩	Cs. Price, ₩			Ea. ₩	Cs. Price, ₩
VI.391.94	2㎖ , L60mm	580	12ea 6,630	**VI.394.94**	25㎖ , L135mm	1,090	12ea 12,420
VI.392.94	5㎖ , L82mm	670	12ea 7,470	**VI.395.94**	50㎖ , L160mm	1,580	12ea 18,220
VI.393.94	10㎖, L100mm	830	12ea 9,530	**VI.396.94**	100㎖, L200mm	2,370	12ea 27,320

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description


(1) (2)

Yuhan® First-aid Sterilized Adhesive Bandage, Standard-type, 19×72mm, 20 & 40 Sheet, *Medicaluse*

With Acrylic Adhesives, Acrinol attached Fabric, Polyethylene Mesh, **구급치료용 멸균 밴드, 기본형 & 방수형**

■ ***Made in Korea*** ■ ***피부에 자극이 적고 잘 떨어지지 않는 우수한 점착력*** ∗ Water-resistant Acrylic Adhesive
∗ Cushion Pad : Fabric with Disinfectant(Acrinol) ∗ Easy Removal due to Polyethylene Mesh on Cushion Pad
∗ Polyvinyl Chloride Film (Normal-type) / Ultra-thin urethane Film (Waterproof-type) 〈M4〉

		Pk.	Price, ₩
Y2.513245	(1) Normal Sterilized Bandage, w19×h72mm	40Sheet	2,190
Y2.513344	(2) **Waterproof** Sterilized Bandage, w25×h72mm	20Sheet	4,120



3M® Nexcare® First-aid Skin Blemish Clear Cover, Clear Round Patch-type, *Medicaluse*

Ideal for Protect & Recovery Injury on Face, UV Protection 93.6%, Clear 38Covers-On-Sheet, **구급치료용 상처 보호용 밴드**

■ ***하이드로콜로이드 재질의 습윤 커버; 상처 삼출물을 흡수하고 습윤 환경을 조성하여 상처 덧남을 방지함***
∗ 8mm(38Sheets) Round Adhesive Hydrocolloid Covers On a Sheet ∗ Skin Blemish Control Adhesive Hydrocolloid Band 〈M4〉
∗ Available Various Injury ∗ Prevent get Infected and Injury ∗ Complete Clinical Test

		Pk.	Price, ₩	Cs.	Price, ₩
3M.02.5100	Skin Blemish Clear Cover, Round, 38Covers-On-Sheet, Φ8mm×38	38sheet	5,250	30pk	



(4) (5)

3M® Nexcare® First-aid Hydrocolloid Bandage/Dressing, Ultra-thin, PU, *Medicaluse*

For Promotes Fast Healing, Gel Pad Helps Reduce Pain, Waterproof, **구급치료용 하이드로케어 밴드/드레싱**

■ ***하이드콜로이드가 적용된 밴드; 습윤 환경을 조성하고 상처를 보호*** ∗ Waterproof, Cushioned Blister Protection
∗ Long Lasting Protection that Moves with You ∗ Ultra-thin and Clear ∗ Easy One-hand Application 〈M4〉
∗ Unique Shape Designed for Better Seal Around Pad

		Pk.	Price, ₩	Cs.	Price, ₩
3M.02.5014	(1) Hydrocolloid Bandage, Small, w24×L36mm, 6Sheet/Pk	6sheet	6,110	10pk	
3M.02.5015	(2) , Medium, w32×L64mm, 5Sheet/Pk	5sheet	6,100	10pk	
3M.02.5016	(3) , Large, w45×L69mm, 4Sheet/Pk	4sheet	6,110	10pk	
3M.02.5017	(4) , Mixed-type, 2Small+2Medium+1Large/Pk	5sheet	6,420	10pk	
3M.02.5018	(5) , Dressing-type, Free-cut, 2Sheet/Pk	2sheet	5,520	10pk	



3M® Nexcare® First-aid Fingertip & Joint Bandage, 2-type, Sterilizer Contained, *Medicaluse*

Promote Healing, Prevent Infection, Hygienic Coating Pad, Strength Adhesive, **구급치료용 손끝 & 관절밴드**

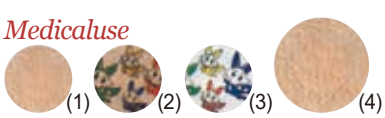
■ ***살균소독제(Benzalkonium) 함유된 코팅 패드, 뛰어난 통기성, 저자극 접착제, 손끝 상처나 관절 부위에 꼭 맞는 밴드*** 〈M4〉
∗ Powerful Adhesive Strength. ∗ Available Various Parts of Body

		Pk.	Price, ₩	Cs.	Price, ₩
3M.02.5004	Nexcare® Bandages, 30×54mm Fingertip 4Sheet +35×75mm Joint 4Sheet	8sheet	1,880	24pk	

Moalab® Sequential Adhesive Spot Bandage, Roll of 100 Sterile Injection Care Band(Φ20 & Φ35mm), *Medicaluse*

Ideal for Medicine Injection & Blood Collection, Made of Natural Cellulose, Hemostatic, Sterilized by γ-Radiation, **원형 롤 밴드, 주사/채혈용, 멸균**

Medicaluse


(1) (2) (3) (4)

NEW



■ ***Made in Korea*** ■ ***채혈, 수혈, 약물, 백신주사 등 침 시술 부위의 상처를 보호 및 지혈, 2차 감염 예방하는 1회용 밴드***
∗ Prevention of Contamination and Infection Caused by Bleeding ∗ Convenient Pop-up Type
∗ Kids Friendly Print to Distract and Reduce Anxiety (for Kids) ∗ Minimize Skin Allergies

〈M4〉

1. For Injection & Vaccination, Φ20mm, 주사 & 백신용, 멸균

		Pk.	Price, ₩	Cs.	Price, ₩
DM.Ban2001	(1) Sequential Spot Bandage, Injection, Φ20mm, Beige	100ea	2,820	20pk	56,250
DM.Ban2002	(2) , Beige Kids	100ea	2,820	20pk	56,250
DM.Ban2003	(3) , White Kids	100ea	2,820	20pk	56,250

2. For Blood Collection, Φ35mm, 채혈용, 멸균

		Pk.	Price, ₩	Cs.	Price, ₩
DM.Ban2005	(4) Circular Adhesive Bandage, Blood Collection, Φ35mm, Beige	200ea	12,500	10pk	125,000

Moalab® Sequential Adhesive Bandage, Roll of 36 Sterile Band Ventilation Type(75×20mm), *Medicaluse*

Ideal for First Aid, Woven Dressing Fabric, Hemostatic, Hypoallergenic, Hygienic, Sterilized by γ-Radiation, **일자형 롤 밴드, 상처보호용, 멸균**

Medicaluse

NEW

Pop-up Type


(1)
(2)

■ ***Made in Korea*** ■ ***한장씩 뽑아쓰는 1회용 밴드, 상처 부위 보호기능 매우 우수***
∗ Convenient Pop-up Type ∗ With Long-lasting Adhesive ∗ Minimize Skin Allergies
∗ Kids Friendly Print to Distract and Reduce Anxiety (for Kids)

〈M4〉

(1) Standard Type, 일반 밴드

		Pk.	Price, ₩	Cs.	Price, ₩
DM.Ban2011	Sequential Adhesive Bandage, w75×L20mm, Beige	36ea	2,820	12pk	33,750

(2) For Kids, 아동용 캐릭터 밴드

		Pk.	Price, ₩	Cs.	Price, ₩
DM.Ban2013	Sequential Adhesive Bandage, w75×L20mm, White, for Kids	36ea	2,820	12pk	33,750

Articles	Cat. No	Description

3M® Steri-Strip™ Medical Reinforced Skin Closure, Hypoallergenic Adhesive, Wound Support, w6 & 12×L100mm, *Medicaluse*
Sterile, Breathable, Comfortable to Wear, Non-Invasive Design, **병원용 멸균 피부봉합 반창고**



■ ***필라멘트가 들어가 있어 강한 장력을 제공; 흉터형성이 적음, 착용감 편함***
■ ***Ideal for Surgical Lacerations and the Closure of Lacerations***
■ ***A Sterile, Breathable Adhesive Strip Reinforced with Polymer Filaments, for Strong, Reliable Closure of Incisions and Skin Lacerations.***
∗ Easy to Apply ∗ Allows Early Staple or Suture Removal
∗ Increases the Tensile Strength of the Wound, Compared to Sutures
∗ Non-invasive & Sterile Design Reduces Scarring and the Risk for Infection



〈M4〉

		Pk.	Price, ₩	Cs.	Price, ₩
3M.07.1546	Steri-Strip, Reinforced Skin Closure, w6mm ×L100mm	50ea	75,290	4pk	292,120
3M.07.1547	, w12mm×L100mm	50ea	75,290	4pk	292,120

3M® Tegaderm™ Medical Transparent Film Dressing/Bandage, Frame Style, Easy Monitoring of Wounds, *Medicaluse*
For IV Catheter and Percutaneous Devices Securement, Hypoallergenic, Waterproof, Versatility, **병원용 투명 방수 필름 드레싱/밴디지**



■ ***투명하여 Wound와 IV Site 관찰 용이, 고정력 우수, 부드러운 접착, 독특한 Frame Style로 드레싱 부착, 편이성 우수.***
■ ***Maintains a Moist Environment for Wound Healing.***
■ ***Ideal for Securing Tubing and devices, Improving Patient Comfort, and Minimizing Trauma to Tender Catheter Sites.***
∗ Provides a Waterproof, Sterile Barrier to External Contaminants including Liquids, Bacteria and Viruses ∗ Easy to Cut to any Shape and Size



〈M4〉

		Pk.	Price, ₩	Cs.	Price, ₩
3M.07.1622W	I.V. Film Dressing / Bandage, Clear, 4.4cm×4.4cm	100ea	27,000	4pk	104,730
3M.07.1624W	, 6cm ×7cm	100ea	32,680	4pk	126,770
3M.07.1626W	, 10cm ×12cm	50ea	28,420	4pk	110,240

3M® Durapore™ Surgical Silky Hypoallergenic Tape, White, Hi-Strength, Versatile, w1.25~5cm, L9.14m Roll, *Medicaluse*
Water Resistance, Conformable, **병원용 실키 반창고, 백색, 우수한 내구성**



■ ***접착력이 우수한 실크 느낌의 흰색 반창고; 내구성 우수, 양방향으로 찢어짐, 건조 피부에 적합***
■ ***Ideal for Securing Tubing / Devices / I.V. Catheter, Anchoring Bulky Dressings, Immobilizing Finger & Toe and Stabilizing Finger Splints***
∗ Adheres well to Dry Skin ; High Strength / Versatile / Conformable
∗ Convenient Bidirectional Tear, Hypoallergenic



〈M4〉

		Pk.	Price, ₩	Cs.	Price, ₩
3M.07.1538.0	Durapore™ Silk-like Tape, White, 1.25cm×9.14m roll	24 roll	20,040	10pk	200,290
3M.07.1538.1	, 2.5cm ×9.14m roll	12 roll	20,040	10pk	200,290
3M.07.1538.2	, 5cm ×9.14m roll	6 roll	20,040	10pk	200,290

3M® Transpore™ Surgical Tape, Clear, Porous, Plastic Hypoallergenic, w1.27~5.08cm, L9.14m Roll, *Medicaluse*
Water Resistance, Good Initial & Long-term Adhesion, **외과용 투명 필름/반창고, 적용 부위 관찰 용이, 찢기 편리**



■ ***격자 무늬가 있어서 양방향으로 찢기 편리한 투명 필름 반창고; 접착력 우수, 적용 부위 관찰 용이***
■ ***Ideal for Anchoring Bulky Dressing and Securing I.V. Catheter / Tubing & Devices***
∗ Easy / Straight / Bi-Directional Tear, Easy to Handle with Glove, Transparent, Porous
∗ Good Adhesion to Skin and Tubing ∗ Easy to Customized Tape Width
∗ Hypoallergenic and Not Made with Natural Rubber Latex



〈M4〉

		Pk.	Price, ₩	Cs.	Price, ₩
3M.07.1527.0	Transpore™ Surgical Acryl Tape, 1.27cm×9.14m roll	24 roll	17,050	10pk	165,350
3M.07.1527.1	, 2.54cm×9.14m roll	12 roll	17,050	10pk	165,350
3M.07.1527.2	, 5.08cm×9.14m roll	6 roll	17,050	10pk	165,350

3M® Micropore™ Surgical Paper Tape, White, Hi-Breathable, Hypoallergenic, w1.27~5.08cm, L9.14m Roll, *Medicaluse*
Taping at Fragile & Risk Skin, **병원용 가장 범용 의료 종이 반창고, 저자극성/통기성**



■ ***병원에서 가장 범용적으로 사용되는 저자극, 저알러지성, 반복테이핑에 적합***
■ ***Ideal for Securing Small to Medium Dressings / Lightweight Tubing / I.V. Catheter and Repeated Taping*** ∗ Gentle Adhesion, Conformable and Highly Breathable
∗ Reliably Secures Dressings and Devices to Skin
∗ Convenient Bidirectional Tear, Hypoallergenic



〈M4〉

		Pk.	Price, ₩	Cs.	Price, ₩
3M.07.1530.0	Micropore™ Surgical Paper Tape, White, 1.27cm×9.14m roll	24 roll	12,650	10pk	126,500
3M.07.1530.1	, 2.54cm×9.14m roll	12 roll	12,650	10pk	126,500
3M.07.1530.2	, 5.08cm×9.14m roll	6 roll	12,650	10pk	126,500

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description

3M® Medical Soft Cloth Tape with Liner, for Critical Securement Gentle on Skin, w5~15cm×L10m Roll, *Medicaluse*

Good Adhesion, High Breathable, Hypoallergenic, **의료용 부드러운 천 반창고/테이프**

Medicaluse



■ ***통기성과 점착력이 우수; 굴곡진 신체 부위에도 잘 밀착됨***

■ ***Ideal for Anchoring Post-surgical Dressings, Securing Tubing / Devices / Catheters, and Minimizing the Risk for Skin Injury***

* Adhered to the Bending Body Part Well
* Soft Cloth Material to Maintain Skin Integrity
* Easy to Cut to a Desired Size
* Excellent Cross and Diagonal Stretch to Accommodate Movement or Swelling
* Wave Patterned Adhesive Coating for Better Breathability and Patient Comfort
* Suitable for Using on Surgical Sites & Areas where Skin May Stretch

〈M4〉

		Roll.	Price, ₩	Cs.	Price, ₩
3M.07.2762	Soft Cloth Tape, 5cm ×10m roll		4,130	36roll	143,850
3M.07.2763	, 7.5cm×10m roll		6,250	24roll	145,500
3M.07.2764	, 10cm ×10m roll		8,250	18roll	143,850
3M.07.2766	, 15cm ×10m roll		11,380	12roll	132,280

100% Cotton Adhesive Plaster, Ideal for Fixing Dressing and Light Duct at Surgery, *Medicaluse*

For Medical, Zinc Oxide Adhesive, Minimize Skin Irritation, <Korea-Made> 7.5cm×330cm, **반창고**

Medicaluse



■ ***Ideal for Strong Fixation of Non-occlusive Dressing Material and Light Duct at Surgery.***

* Sport Protection, Labor Protection
* Easy Application
* Zinc oxide Adhesive Strong Adhesive Property, Fixing Firmly, Strong Suitability and Convenient to Apply
* Hypoallergenic Coating with Medical Hot-melt Glue.
* Long Guarantee Period
* With Reliable Adhesiveness, Low Sensitization, Excellent Compliance, No Glue Left After Remove
* Low Irritation to Skin, No Harm to Skin and Good Air Permeability, it Enables the Skin to Breath Freely
* Easy-to-tear Products, Making Usage Very Convenient and Comfortable

〈M3〉

		Pk.	Price,₩	Cs.	Price, ₩
H13.Plaster330	Adhesive Plaster, 100% Cotton, 7.5×330cm, 10 Roll	10roll	23,570	10pk	

3M® Coban™ Medical Self-Adherent Wrap, Immobilizing Injuries & Provide Compression, w2.5 & 15cm, L4.5m Roll, *Medicaluse*

Used to Secure Dressing, Sticks to itself, Porous, Comfortable, Lightweight, **의료 압박용 밴드**

Medicaluse



■ ***별도의 반창고나 고정 장치 없이도 자가점착되어 사용이 편리함; 가볍고 편안한 착용감***

■ ***Ideal for Compression Dressing, Reducing Post-operative Swelling, and Fixing Limbs for Splints and Arm Board***

* Sticks to Itself without the Need for Adhesive, Pins or Clips
* Wrap Stays in Place; No need for Frequent Adjustment
* Easy to Use; Not sticking to Skin, Hair, Clothing or Drapes
* Slip-minimizing Cohesion is Good for Active Patients
* Used to Secure and Protect Primary Dressings and Other Devices
* Soft, Comfortable, Porous, Breathable, Lightweight, and Convenient

〈M4〉

		Roll.	Price, ₩	Cs.	Price, ₩
3M.07.1581	Coban™ Self-Adherent Wrap, 25mm ×4.5m roll		1,920	30roll	51,540
3M.07.1582	, 50mm ×4.5m roll		2,990	36roll	96,450
3M.07.1583	, 75mm ×4.5m roll		4,170	24roll	89,570
3M.07.1584	, 100mm×4.5m roll		5,550	18roll	89,570
3M.07.1586	, 150mm×4.5m roll		8,320	12roll	89,570

100% Cotton Antimicrobial Dressing Gauze, Ideal for Wound Dressing, *Medicaluse*

Sterile or Non-sterile, Absorbent, Non-adherent(No Stick) to Wound, **멸균 거즈**

Medicaluse



(1)



(2)

* Absorbent 100% Constructed of Fine Mesh Gauze
* Resists Bacterial Colonization within the Dressing
* Limits Cross-contamination from Patient to Patient, Patient to Clinician, and Patient to Environment

〈M3〉

(1) Absorbent Dressing Gauze, Sterile

		Pk.	Price,₩	Cs.	Price, ₩
H13.DHG225G	Dressing Gauze, **Sterile**, 4.5×4.5cm×8P, 5sheet/bag	20bag	4,880	50pk	
H13.DHG445G	, 9.5×9.5cm×8P, 5sheet/bag	20bag	10,890	40pk	

(2) Absorbent Dressing Gauze, Non-sterile

		Pk.	Price,₩	Cs.	Price, ₩
H13.DHG228B	Dressing Gauze, Non-sterile, 4.5×4.5cm×8P	200sheet	3,250	50pk	
H13.DHG444B	, 9.5×9.5cm×4P	200sheet	6,990	50pk	

Medical Cotton Pad, Ideal for Absorption and Cleaning, 3.5cm×4cm, 450g, *Medicaluse*

Made of 100% Pure Absorbent Cotton, Disposable, Convenient, **탈지면 패드**

Medicaluse



■ ***Ideal for Medical Care, Dental, Surgery, Cosmetic, and Home Care for Wound Treatment, Absorption and Cleaning.***

* Made from 100% Pure Absorption Cotton
* High Quality Fiber
* Excellent Absorbent, Soft and Smooth
* No Irritation
* Can be Present with Pre-alcohol and Pre-iodine for Direct Using
* Widely Used in Medical, Makeup Removing or Any Other Cleaning

〈M3〉

		Pk.	Price,₩	Cs.	Price, ₩
H13.Pad450	Medical Cotton Pad, 100% Cotton, 3.5×4cm	450g	6,440	50pk	

Articles	Cat. No	Description

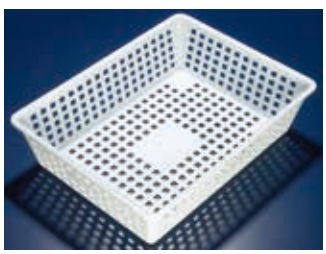


Draining Basket, PP, Stackable, White, Autoclavable, 4.5Lit
Suitable for Drying · Storage · Transfer &c., Lightweight, −10℃+120℃, PP 트레이

■ ***Made in Korea***
* PP(Polypropylene) ; Good Chemical & Hi-Temp Resistance, Autoclavable
* Lightweight for Easy Handling

〈B1〉

Cat. No		Ea. Price, ₩
DH.Tra3020	Basket Tray, PP, 4.5Lit, 335×235×h80mm	5,740



Azlon® PP Draining Basket/Tray, Stackable, 10 Lit
For General Use, Autoclavable, −10℃+120℃, PP 바스켓/트레이

■ ***Supplied by Azlon® in UK*** * Strong Lightweight Rectangular PP(Polypropylene) Basket
* Suitable for use as a Draining / Autoclave Basket or for General Storage
* Units Stack when not in use to Save Space * Autoclavable to 121℃
* Good Chemical Resistance

〈L1〉

Cat. No		Ea. Price, ₩
Az.TWR200	PP Basket Tray, 10Lit, 400×300×h100mm	22,780



(1) 21 ℓ (2) 26 ℓ (3) 30 ℓ

National® Heavy-duty Drain Basket, HDPE, 21~30 Lit
Ideal for Food, HDPE 105/120℃, Stable, <Korea-Made> 통기/배수형 강력 바스켓

■ ***with Convenient Aperture Handle.***
* Ideal for Food Stuff. * Used in Drying · Storage · Transfer &c.

※ 운임 별도 〈L3〉

Cat. No		Ea. Price, ₩
N2.NBK502	(1) Tray, Drain, HDPE, 21 ℓ, 620×410×h150mm(outside)	13,000
N2.NAP102N	(2) , 26 ℓ, 523×366×h183mm(outside)	8,280
N2.NAP204N	(3) , 30 ℓ, 572×416×h182mm(outside)	9,790



(1) Mini 190 & 600㎖



(2) Utility 14.5~35Lit

SciLab® Stainless-steel Wire Basket, Cylindrical-type, with Wire Handle, Φ150~Φ420mm
Ideal for Autoclave, 원통형 와이어 바스켓, 고압 멸균기용에 최적

■ ***Supplied by SciLab Korea***
* 18/10 Stainless-steel(SS)
* Easy to Move with Wire Handle
* Multi-use Wire Basket
* Ideal for Underwater Work

〈L1〉

(1) Mini-type, 190 & 600㎖

Cat. No		Ea. Price, ₩
SL.Bas7018	Wire Basket, Round-type, SS, Φ150×h120mm, 190㎖	51,450
SL.Bas7019	, Φ210×h180mm, 600㎖	60,030

(2) Utility-type, 14.5~35 Lit

Cat. No		Ea. Price, ₩
SL.Bas7011	Wire Basket, Round-type, SS, Φ270×h240mm, 14.5Lit	91,640
SL.Bas7012	, Φ320×h240mm, 20Lit	101,880
SL.Bas7013	, Φ370×h240mm, 26Lit	112,380
SL.Bas7014	, Φ420×h240mm, 35Lit	122,900



Stainless-steel Wire Basket, 16~35 Lit
Ideal for Sterilization · Transfer · Storage, High Quality, 사각 와이어 바스켓

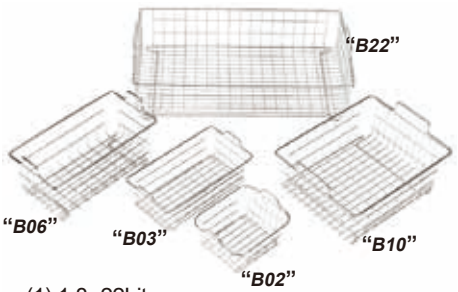
■ ***Made in Korea***

〈L3〉

Cat. No		Ea. Price, ₩
C9.1519	Wire Basket, 440×380×h120mm, 16Lit	95,320
C9.1520	, 480×380×h120mm, 18Lit	99,450
C9.1521	, 560×410×h130mm, 24Lit	102,220
C9.1522	, 560×410×h190mm, 35Lit	111,890

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



(1) 1.8~22Lit



(2) 30~74Lit

Stainless-steel Wire Basket, with Wire Handle, 1.8~74 Lit
Ideal for Ultrasonic Cleaner, 사각 와이어 바스켓, 핸들형

■ ***Made in Korea***
* Multi-use Wire Basket
* Ideal for Underwater Work .
* 18/8 Stainless-steel(SS)
* Easy to Move with Wire Handle

(1) DAIHAN® Wire Basket, 1.8~22Lit

〈L1〉

		Ea.	Price, ₩
DH.WUC.B02	Wire Basket, Rectangular, 1.8Lit, 144×131×h92mm, **"B02"**		54,000
DH.WUC.B03	, 3.3Lit, 224×128×h83mm, **"B03"**		65,000
DH.WUC.B06	, 6Lit , 267×136×h126mm, **"B06"**		77,000
DH.WUC.B10	, 10Lit , 276×218×h132mm, **"B10"**		87,000
DH.WUC.B22	, 22Lit , 467×275×h131mm, **"B22"**		108,000

(2) SciLab® Wire Basket, 30~74Lit

		Ea.	Price, ₩
SL.Bas7021	Wire Basket, Rectangular, 30Lit, 340×240×h150mm, **"Bas7021"**		130,690
SL.Bas7022	, 47Lit, 390×290×h200mm, **"Bas7022"**		172,450
SL.Bas7023	, 60Lit, 440×340×h200mm, **"Bas7023"**		204,000
SL.Bas7024	, 74Lit, 490×390×h200mm, **"Bas7024"**		235,270



(1) Square Tall-Form



(2) Rectangular Short-Form

SciLab® Stainless-steel Wire Basket, with Folding Handle, 2.7~27 Lit
For Cleaning · Storage · Transfer, 사각 와이어 바스켓, 접이식 핸들형

* Good for Cleaning · Storage · Transfer for Small Instruments

(1) Square Tall-Form, h150mm~300mm, 3.1~27Lit, 정사각 높은형

* Made in Korea

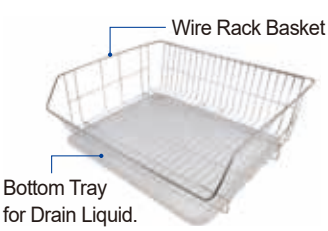
〈L1〉

		Ea.	Price, ₩
SL.Bas7031	Wire Basket, Square-type, Stainless-steel, 150×150×h150mm, 3.1Lit		25,070
SL.Bas7032	, 180×180×h180mm, 5.5Lit		27,270
SL.Bas7033	, 200×200×h200mm, 7.2Lit		30,150
SL.Bas7034	, 250×250×h250mm, 14Lit		51,600
SL.Bas7035	, 300×300×h300mm, 27Lit		70,200

(2) Rectangular Short-Form, h116mm, 2.7~10.5Lit, 직사각 단형

* Supplied by SciLab Korea

		Ea.	Price, ₩
SL.Bas7026	Wire Basket, Rectangular-type, Stainless-steel, 257×115×h116.5mm, 2.7Lit		64,330
SL.Bas7027	, 242×191×h116.5mm, 4.2Lit		85,730
SL.Bas7028	, 446×256×h116.5mm, 10.5Lit		120,000



Drying Rack Basket, with Detachable PP Bottom Tray for Holding of Draining Liquid, 22 Lit.
Stainless-steel Wire #304, Good for Drying and Transfer, 건조 바스켓, 스텐선#304

■ ***Supplied by DAIHAN Korea***
■ ***Useful For Kitchen Sink.***
* Convenient PP Bottom Tray : Sliding Detachable.

〈B3〉

		Ea.	Price, ₩
H16.061	Dry Rack Basket, SS Wire, 430×360×h180mm		27,870

Bath & Bath Circulator

Bath, Basic 100℃ ····· P. 45
, Basic 100℃ Circulation(Internal) ····· P. 46
, Basic 250℃ ····· P. 47
, Cold Trap ····· P. 48
, Extraction Water Bath ····· P. 49
, Magnetic Stirring Bath ····· P. 50
, Shaking Water Bath ····· P. 51
, Viscosity ····· P. 52
, Without Heating Device ····· P. 53
Bath Circulator, External / Internal Bath Circulator, High-Temp. 250℃ ····· P. 54
, External / Internal Bath Circulator, Refrigerated / Heating ····· P. 55~56
Accessories, Transfer Fluid & Circulation Hose ····· P. 57



Basic-type Bath
"WB" 6 · 11 · 22 Lit, 100℃



Circulation(Internal) Water Bath
"WCB" 6 · 11 · 22 Lit, 100℃



Shaking Water Bath
"SB" 18 · 30 · 45 Lit, 100℃



External / Internal
Refrigerated / Heating Bath Circulator
"CL" 8 · 12 · 22 · 30 Lit, -35℃+150℃

DAIHAN® Digital General Purpose Water Bath "WB", Digital Fuzzy Control System, 6·11·22 Lit, up to 100℃, ±0.1℃

With Stainless-steel Flat Lid, Back Light LCD, with Certi. & Traceability, **정밀 범용 항온수조, 디지털 퍼지 제어 시스템, 스텐리스 스틸 리드 포함**



- ***Supplied by DAIHAN Korea*** ■ ***CE Certified*** ■ ***PL (Product Liability) Insurance***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
- ***Digital Fuzzy Control System Implementing Superior Temperature Accuracy***
- ***Patented Jog-Shuttle Control System and Digital LCD with Back-Light Function***

* User's Self-Compensation Function to Control Difference between Real Temperature and Indicated Temperature (±10.0℃).
* 304 Stainless-steel Bath & Lid for Superior Durability & High Thermal Efficiency/Constant.
* Digital Timer Function(99hr 59min) : 'Delay Time' and 'Operation Time' can be Controlled.
* Storage Function for the Set Values of Temperature and Timer.
* Locking Mode Supported for Experimental Safety (Input to Jog-Shuttle can be Disabled).

Specifications & Ordering information

〈L1〉

Spec. \ Model		"WB-6" Max. Capa. 6Lit	"WB-11" Max. Capa. 11Lit	"WB-22" Max. Capa. 22Lit
Capacity		6 Lit	11 Lit	22 Lit
Temp Range & Accuracy		Room Temp +5℃~100℃, ±0.1℃		
Temp Resolution		0.1℃-Display, 0.1℃-Control		
Temp Uniformity & Probe		±1.0℃, PT100		
Heating Power		800 W	1 kW	2 kW
Timer & Alarm		99hr 59min (Delay & Continuous run), Error status & Timer-end		
Display		Digital LCD with Back-Light Function		
Controller		Digital Fuzzy Controller with Jog - Shuttle Switch (Turn + Push)		
Safety Circuit		Over-Temp / -Current protection, Sensor Error Detection		
Material		Internal : Stainless-steel (#304), External : Powder Coated steel		
Lid		included Stainless-steel Flat Lid, Optional Dome Lid		
Drain Valve		None		Mounted(Φ9.5~11mm)
Dimension (w×d×h)	Effective Space	300×155×h110mm	302×240×h110mm	500×295×h110mm
	Internal	300×155×h150mm	302×240×h150mm	500×295×h150mm
	External	325×180×h260mm	325×265×h260mm	535×330×h260mm
Packing Size (mm) and Gross Weight (kg)		350×210×h310mm, 8kg	350×300×h310mm, 10kg	570×360×h310mm, 14kg
Electrical Reqts.		1 Phase, AC 120V, 60Hz or AC 230V, 50 / 60Hz		
Cat. No.	230V	DH.WB000106	DH.WB000111	DH.WB000122
	120V	DH.WB000206	DH.WB000211	DH.WB000222
Price, Each. ₩		599,000	629,000	762,000

* Other Specifications are available upon Customer's Request.

※ 운임 별도



(1) Stainless-steel Flat Lid Included



(2) Stainless-steel Dome Lid



(3) "BFC106"
Lid with Concentric Ring Cover Sets for 6Lit



(4) "BFC111"
Lid with Concentric Ring Cover Sets for 11Lit



(5) "BFC122"
Lid with Concentric Ring Cover Sets for 22Lit Bath



(6) "BTH106"
Tube Rack, 36Hole for 6Lit Bath

Optional Lid and Tube Rack, Stainless-steel

		Ea. Price, ₩
DH.WB010206	(2) Dome Lid, **"BD206"**, for **6 Lit,** 324×176×h100mm	87,500
DH.WB010211	, **"BD211"**, for **11 Lit,** 324×263×h100mm	95,000
DH.WB010222	, **"BD222"**, for **22 Lit,** 533×328×h100mm	112,500
DH.WB030106	(3) Lid with 2×Concentric Ring Cover Sets, **"BFC106"**, for **6 Lit**, Stainless-steel, 330×182×h20mm	87,500
DH.WB030111	(4) Lid with 2×Concentric Ring Cover Sets, **"BFC111"**, for **11 Lit**, Stainless-steel, 329×269×h20mm	88,800
DH.WB030122	(5) Lid with 6×Concentric Ring Cover Sets, **"BFC122"**, for **22 Lit**, Stainless-steel, 539×334×h20mm	150,000
DH.WB020106	(6) Tube Rack, **"BTH106"**, for **6 Lit**, 36Hole×Φ17mm, Stainless-steel, 220×125×h78.5mm	43,800
DH.WB020206	Tube Rack, **"BTH206"**, for **6 Lit**, 15Hole×Φ32mm, Stainless-steel, 220×125×h78.5mm	43,800
DH.WB020111	Tube Rack, **"BTH111"**, for **11 Lit**, 63Hole×Φ17mm, Stainless-steel, 220×205×h78.5mm	51,300
DH.WB020211	Tube Rack, **"BTH211"**, for **11 Lit**, 25Hole×Φ32mm, Stainless-steel, 220×205×h78.5mm	51,300

Water Bath with Validation (IQ, OQ) Service

		Ea. Price, ₩
DH.WB040106	Validation Service(IQ, OQ), **"BV106"**, with "WB-6"	
DH.WB040111	, **"BV111"**, with "WB-11"	
DH.WB040122	, **"BV122"**, with "WB-22"	

DAIHAN® Digital Precise Internal Circulation Water Bath "WCB", 6 · 11 · 22 Lit, with Certi. & Traceability

With Stainless-steel Flat Lid, Powerful Circulation Pump, up to 100℃, ±0.1℃, 5 Lit/min, **정밀 항온 순환 수조**





Stainless-steel Flat Lid Included

- ***Supplied by DAIHAN Korea*** ■ ***CE Certified*** ■ ***PL (Product Liability) Insurance***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
- ***Digital Fuzzy Control System Implementing Superior Temperature Accuracy***
- ***Patented Jog-Shuttle Control System and Digital LCD with Back-Light Function***

∗ Ideal for Biotechnology, Clinical, Environmental, Medical, Petroleum, Food Industry, Pharmaceutical and Industrial Applications. ∗ Alarm function : Error Status and Timer-end
∗ Warning and Automatic Stop Function in case of Liquid Shortage.
∗ Powerful Circulation Pump Assures Temp Uniformity : Internal and External Circulation.
∗ Connection with Evaporators and Viscometers is applicable.

Specifications & Ordering information

‹L1›

Spec. \ Model		"WCB-6" Max. Capa. 6Lit	"WCB-11" Max. Capa. 11Lit	"WCB-22" Max. Capa. 22Lit
Capacity		6 Lit	11 Lit	22 Lit
Temp Range & Accuracy		Room Temp +5℃~100℃, ±0.1℃		
Temp Resolution		0.1℃-Display, 0.1℃-Control		
Temp Uniformity & Probe		±0.2℃, PT100		
Heating Power		800 W	1 kW	2 kW
Pump		5 Lit / min (Internal / External)		
Circulation Nozzle		id.7×od.11 mm (id.9/od.12mm silicone tube connected for inner circulation)		
Timer & Alarm		99hr 59min (Delay & Continuous run), Error status & Timer-end		
Controller & Display		Digital Fuzzy Controller with Back Light Digital LCD		
Safety Circuit		Over-Temp/-Current protection, Sensor Error & Low Level Detection		
Material		Internal : Stainless-steel (#304), External : Powder Coated steel		
Drain Valve		None		Mounted(φ9.5~11mm)
Dimension (w×d×h)	Effective Space	120×155×h150 mm	170×240×h150 mm	372×295×h150 mm
	Internal	300×155×h150 mm	302×240×h150 mm	500×295×h150 mm
	External	330×185×h385 mm	335×275×h385 mm	540×335×h410 mm
Packing Size (mm) and Gross Weight (kg)		350×210×h410mm, 11kg	360×300×h420mm, 13kg	580×380×h470mm, 18kg
Electrical Reqts.		1 Phase, AC 120V, 60Hz or AC 230V, 50 / 60Hz		
Cat. No.	230V	DH.WCB00106	DH.WCB00111	DH.WCB00122
	120V	DH.WCB00206	DH.WCB00211	DH.WCB00222
Price, Each. ₩		734,000	745,000	858,000

∗ Other Specifications are available upon Customer's Request. ※ **운임 별도**

DAIHAN® Digital Precise Circulation Immersion Pump Head "WCB-H", 11 & 22 Lit, up to 100℃

With Digital Fuzzy Control System, Certi. & Traceability, Power Circulation Pump, 5 Lit/min, **정밀 항온 순환기**





Side



Rear

- ***Supplied by DAIHAN Korea*** ■ ***CE Certified*** ■ ***PL (Product Liability) Insurance***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
- ***Digital Fuzzy Control System Implementing Superior Temperature Accuracy***
- ***Patented Jog-Shuttle Control System and Digital LCD with Back-Light Function***

∗ Ideal for Biotechnology, Clinical, Environmental, Medical, Petroleum, Food Industry, Pharmaceutical and Industrial Applications. ∗ Alarm function : Error Status and Timer-end
∗ Powerful Circulation Pump Assures Temp Uniformity : Internal and External Circulation.

Specifications & Ordering information

‹L1›

Spec. \ Model		"WCB-11H" Max. Capa. 11Lit	"WCB-22H" Max. Capa. 22Lit
Temp Range & Sensor		Room Temp +5℃~100℃, PT100	
Heating Power & Pump		1 kW, 5 Lit/min	2 kW, 5 Lit/min
Timer & Alarm		99hr 59min (Delay & Continuous run), Error status & Timer-end	
Controller & Display		Digital Fuzzy Controller with Back Light Digital LCD	
Safety Circuit		Over-Temp/-Current protector, Sensor Error & Low Level Detection	
Dimension		130×165×h320mm	
Packing Size (mm) and Gross Weight (kg)		400×280×h200mm, 8kg	400×280×h200mm, 10kg
Electrical Reqts.		1 Phase, AC 120V, 60Hz or AC 230V, 50 / 60Hz	
Cat. No.	230V	DH.WCB10011	DH.WCB10022
	120V	DH.WCB20011	DH.WCB20022
Price, Each. ₩		545,000	545,000

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description

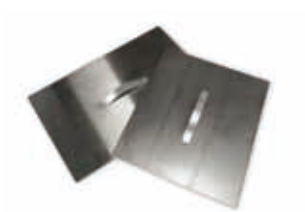
DAIHAN® Digital High Temp Oil Bath "WHB", Digital Fuzzy Control System, 6 · 11 · 22 Lit, up to 250℃, ±1.5℃
With Stainless-steel Flat Lid, Back Light LCD, with Certi. & Traceability, **정밀 고온 오일 배스, 디지털 퍼지 제어 시스템, 스텐리스 스틸 리드 포함**

CE

2-Year Warranty
up to 250℃



Digital High Temp Oil Bath, 11Lit, "WHB-11"



Stainless-steel Flat Lid Included

- ***Supplied by DAIHAN Korea*** ■ ***CE Certified*** ■ ***PL (Product Liability) Insurance***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System.***
- ***Digital Fuzzy Control System Implementing Superior Temperature Accuracy.***
- ***Patented Jog-Shuttle Control System and Digital LCD with Back-Light Function.***

* Rustless 304 Stainless-steel Bath (t 1.2mm) & Ceramic Fiber Insulator (t 50mm)
* User's Self-Compensation Function to Control Difference between Real Temp. and Indicated Temp.
* Storage Function for the Set Values of Temperature & Timer.
* Alarm & Digital Timer : 'Delay Time' and 'Operation Time' can be Controlled.
* Locking Mode Supported for Experimental Safety (Input to Jog-Shuttle can be Disabled).

Specifications & Ordering information

〈L1〉

Spec. \ Model		"WHB-6" Max. Capa. 6Lit	"WHB-11" Max. Capa. 11Lit	"WHB-22" Max. Capa. 22Lit
Capacity		6 Lit	11 Lit	22 Lit
Temp. Range & Accuracy		Room Temp +5℃ to 250℃, ±1.5℃		
Temp. Uniformity & Probe		±3.0℃, PT100		
Heating Power		1.5 kW	2.0 kW	2.5 kW
Timer & Alarm		99hr 59min (Delay & Continuous run), Error status & Timer-end		
Display		Digital LCD with Back-Light Function		
Controller		Digital Fuzzy Controller with Jog-Shuttle Switch (Turn+Push)		
Safety Circuit		Over-Temp./-Current protection, Sensor Error Detection		
Material		Internal : Stainless-steel (#304), External : Powder Coated steel Insulation : 50 mm Thickness Ceramic Fiber		
Lid		Stainless-steel Flat Lid Included		
Drain Valve		Mounted		
Dimension (w×d×h)	Effective Space	270×180×h110mm	300×250×h110mm	400×300×h140mm
	Mounted	270×180×h150mm	300×250×h150mm	400×300×h180mm
	External	425×305×h340mm	425×375×h340mm	525×425×h370mm
Packing Size (mm) & Gross Weight		470×400×h500mm, 23kg	600×490×h500mm, 25kg	600×490×h500mm, 39kg
Electrical Reqts.		1 Phase, AC 120V, 60Hz or 230V, 50 / 60Hz		
Cat. No.	230V	**DH.WHB00106**	**DH.WHB00111**	**DH.WHB00122**
	120V	**DH.WHB00206**	**DH.WHB00211**	**DH.WHB00222**
Price, Each. ₩		905,000	947,000	1,085,000

* Other Specifications are available upon Customer's Request.

※ 운임 별도

High-Temp. Oil Bath with Validation (IQ, OQ) Service

		Ea. Price, ₩
DH.WHB40106	Validation Service(IQ, OQ), **"HBV106"**, with **"WHB-6"**	
DH.WHB40111	, **"HBV111"**, with **"WHB-11"**	
DH.WHB40122	, **"HBV122"**, with **"WHB-22"**	

※ See page 57 for the Heating Transfer Fluids ;
► SUPER THERM FG-20® −10℃+300℃ Heating Transfer Fluids
► SYN THERM 22L® −5℃+320℃ Heating Transfer Fluids
► SYN THERM 7008® −40℃+400℃ Cooling/Heating Transfer Fluids

DAIHAN® Digital Precision Cold Trap Bath "WCT", −40℃ & −80℃, 10 Lit, with Certi. & Traceability

With 2 Glass Cold Trap, Digital PID Control System, Back-Light LCD, CFC-free Refrigeration System, **초저온 동결 트랩**



2-Year Warranty

■ ***Supplied by DAIHAN Korea*** ■ ***CE Certified*** ■ ***PL (Product Liability) Insurance***

■ ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***

■ ***Digital PID Controller***

■ ***CFC-free (R-404A) Refrigeration System***

■ ***Patented Jog-Shuttle Control System and Digital LCD with Back-Light Function***

∗ Ideal for exceptional Cooling System like Collecting Evaporation Vapor or Hazardous Vapor from Vacuum Line.

∗ Durable Stainless-steel Bath and Powder Coated steel

∗ Digital Timer Function : 'Delay Time' and 'Operation Time' : Can be Controlled.

∗ User's Self-Compensation Function to Control Difference between Real Temperature and Indicated Temperature.

∗ Locking Mode Supported for Experimental Safety (Input to Jog-Shuttle can be Disabled)

※DAIHAN Recommendation
: Combination of the Cold Trap Bath(WCT) with the Vacuum Oven and Vacuum Pump.



(1) Glass Cold Trap "CTG1000"

Specifications & Ordering information

〈L1〉

Spec. \ Model	"WCT-40" Max. Temp. −40℃	"WCT-80" Max. Temp. −80℃
Temperature Range	−40℃~−20℃	−80℃~−65℃
Bath Volume	10 Lit	
Bath Volume & Cold Trap Type	Stainless-steel 304, 2 Glass Trap	
Refrigerator	1/2 HP	1 HP
Power Consumption	900 W	1.8 kW
Refrigerator & Refrigerant	R-404A	HFC
Display	Digital LCD with Back-Light Function	
Controller	PID Controller with Jog-Shuttle Switch (Turn+Push)	
Drain Valve	Mounted	
Safety Circuit	Over Current protection, Sensor Error Detection, Leakage Breaker	
Material	Internal : Stainless-steel (#304) External : Powder Coated steel, 1.2t, Doublepaint & Baked Insulation : 20mm Thickness Polyurethane	
Dimension (w×d×h)	Internal : 220×220×h210mm, External : 377×453×h705mm	
Cold Trap Inlet Valve Size	od. 10 mm	
Packing Dimension (mm) and Gross Weight (kg)	560×500×h1,010, 67kg	680×640×h1,130, 90kg
Electrical Reqts.	1 Phase, AC 120V, 60Hz or 230V, 50 / 60Hz	

Cat. No.			
	230V	DH.WCT00140	DH.WCT00180
	120V	DH.WCT00240	DH.WCT00280
Price, Each. ₩		1,989,000	3,762,000

∗ **Other Specifications are available upon Customer's Request.**

※ 운임 별도

Spare Glass Cold Trap

		Ea. Price, ₩
DH.WCT11000	(1) Glass Cold Trap **"CTG1000"** for **"WCT"** DURAN® Borosilicate Glass α 3.3, Φ 106×h249mm, Safety-Pressure Resistant 1.5bar at 250℃	90,000

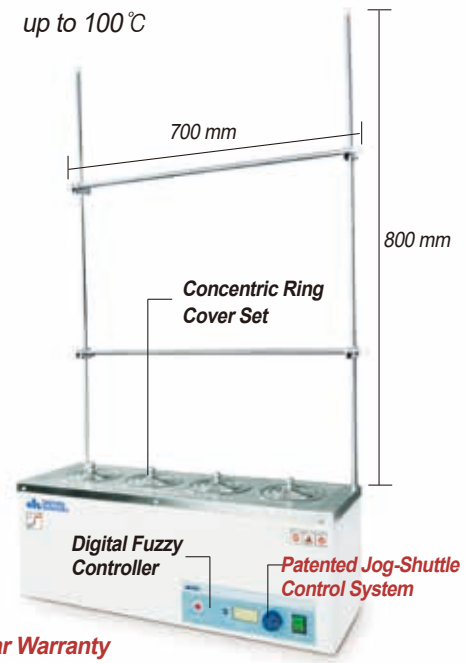
※ The Price(VAT is extra) for Korean End-user, and Changeable.

DAIHAN® Extraction Water Bath "WEB", with Concentric Ring Cover Sets & Holding Frame, 4 · 6 · 8 Place

Ideal for Gentle Extraction · Soxhlet Extraction · COD Determination, Digital Fuzzy Control, Back Light LCD, up to 100℃, ±0.2℃

다용도 추출용 항온수조, 4 · 6 · 8 구, 컨센트릭 링 커버 세트 & 홀딩 프레임 포함

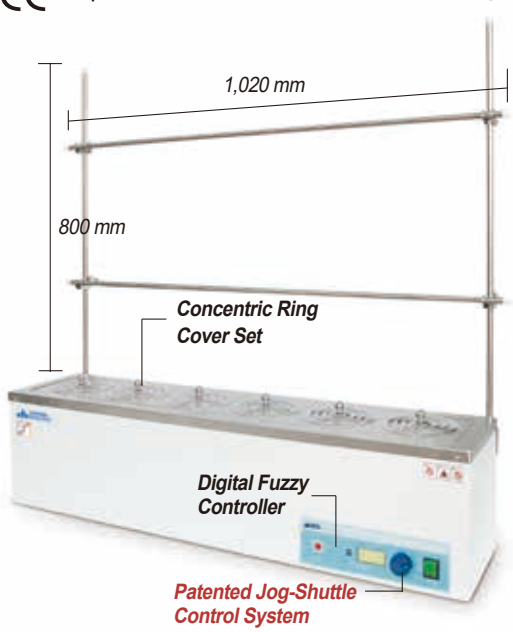
CE *up to 100℃*



2-Year Warranty

4-Place Extraction Water Bath "WEB-4"

CE *up to 100℃* *2-Year Warranty*



6-Place Extraction Water Bath "WEB-6"



(1) Lid with Concentric Ring Cover Set (Included)

- ***Supplied by DAIHAN Korea*** ■ ***CE Certified*** ■ ***PL (Product Liability) Insurance***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
- ***Digital Fuzzy Control System Implementing Superior Temperature Accuracy***
- ***Concentric Ring Cover Sets make Effective Steaming Work***
- ***Patented Jog-Shuttle Control System and Digital LCD with Back-Light Function***

* 4 · 6 · 8 Extraction Place are available.
* Includes Concentric Ring Cover Set & Holding Frame
* User's Self-compensation Function to Control Difference between Real Temperature and Indicated Temperature (±10.0℃).
* High Quality 304 Stainless-steel Bath and Holding Frame for Superior Durability.
* Storage Function for the Set Values of Temperature and Timer.
* Alarm Function : Error Status and Timer-end.
* Locking Mode Supported for Experimental Safety (Input to Jog-Shuttle can be Disabled).

Specifications & Ordering information

〈L1〉

Spec. \ Model		"WEB-4" 4 Place	"WEB-6" 6 Place	"WEB-8" 8 Place
Flask Capacity		250 ~ 500㎖ almost all Round Flasks		
No. of Extraction Holes		4 Place	6 Place	8(4×2) Place
Temp. Range & Accuracy		Room Temp +5 ℃ to 100 ℃, ±0.2℃		
Temp. Uniformity & Sensor		±1.0℃, PT100		
Heating Power		1.4 kW	1.8 kW	1.4 kW×2
Timer & Alarm		99hr 59min (Delay & Continuous run), Error status & Timer-end		
Display		Digital LCD with Back-Light Function		
Controller		Digital Fuzzy Controller with Jog-Shuttle Switch (Turn+Push)		
Safety Circuit		Over-Temp./-Current protection, Sensor Error Detection, Leakage Breaker		
Material		Internal : Stainless-steel (#304), External : Powder Coated steel Holding Frame : Stainless-steel		
Lid		Concentric Ring Cover Set Included		
Top Opening Dia.		Φ36 · Φ65 · Φ96 · Φ110mm		
Bath Depth		122mm		
Drain Valve		Mounted		
Dimension (w×d×h)	Internal	610×160×h160mm	910×140×h160mm	610×290×h160mm
	External	680×245×h275mm	975×245×h275mm	720×375×h275mm
Packing Size (mm) and Gross Weight (kg)		1,100×350×h400, 18 kg	1,250×350×h400, 25 kg	900×450×h400, 34 kg
Electrical Reqts.		1 Phase, AC 120V, 60Hz or 230V, 50 / 60Hz		
Cat. No.	230V	DH.WEB01004	DH.WEB01006	DH.WEB01008
	120V	DH.WEB02004	DH.WEB02006	DH.WEB02008
Price, Each. ₩		850,000	970,000	1,148,000

* Other Specifications are available upon Customer's Request.

※ 운임 별도

Spare Lid with Concentric Ring Cover Set and Holding Frame Set

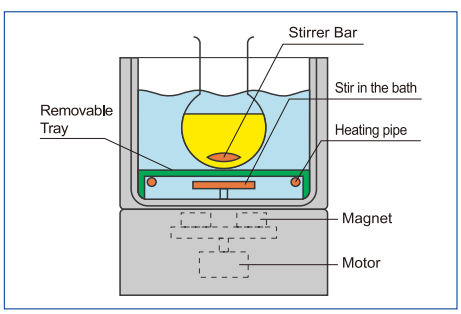
		Ea. Price, ₩
DH.WEB11000	(1) Lid with Concentric Ring Cover Set, **"EBC100"**, for all **"WEB"** models	37,500
DH.WEB21004	Holding Frame Set, **"EBF100"**, for **"WEB-4"**, 2ea×800mm Pole & 2ea×700mm Pole	67,500
DH.WEB21006	Holding Frame Set, **"EBF200"**, for **"WEB-6"**, 2ea×800mm Pole & 2ea×1,020mm Pole	68,800
DH.WEB21008	Holding Frame Set, **"EBF300"**, for **"WEB-8"**, 4ea×800mm Pole & 4ea×740mm Pole	107,500

SciLab® Integrated Thermostatic Magnetic Stirring Bath "MBWCL", up to 200℃, 0~2,000rpm, 4 & 6.5Lit

With PID Controller, Digital Display, Stainless-steel Heater, can be used for Oil-/Water-Bath, **다목적 자력교반 항온 수조**



Integrated Thermostatic Magnetic Stirring Bath "MBWCL-3"



Drawing of "MbWCL-3"

- ***Supplied by SciLab Korea***
- ***Adopt ANSI 304 Stainless-steel Heater which can be used for Oil and Water Bath.***
- ***Powerful Magnetic Stirring of High Performance Direct Current Brushless.***
- ***Dual Sensor, Temperature can be converted and Displayed in Flume and Reaction Vessel.***

∗ Strong Magnetic Stirring makes the Stirrings in the Flume Rotate Synchronistically to ensure the even and Precision of High Viscosity Solution Temperature.

∗ The Performance of Direct Current Brushless Machine is Stable and can be used Continuously.

Specifications & Ordering information

〈L1〉

Spec. \ Model	"MBWCL-3" Max. 3L Flask Input	"MBWCL-5" Max. 5L Flask Input
Bath Volume & Size	4 Lit, Φ220×depth110mm	6.5 Lit, Φ254×depth 130mm
Temp. Range & Stability, Digital	Room Temp. 5℃~200℃, ±1℃ : 1	
Speed, Knob Setting	0~2000 rpm	
Max. Flask Input	3,000㎖	5,000㎖
Heater, ANSI 204 Stainless-steel	500W	1,050W
Temp. Controller & Display	PID Controller, Digital Display	
Dimension	260×280×h230mm	260×280×h260mm
Electrical Reqts.	220V, 50/60Hz	
Cat. No.	**SL.MbWCL3**	**SL.MbWCL5**
Price, Each. ₩	1,009,900	1,063,050

∗ **Included Retractile Multi-Ring Opening Lid :** This Lid can Adjust Caliber to Match the External Diameter of the Reaction Vessel and Round Flask, Decrease Volatilization of the Refrigerant and Heat Exchange with the Outside Environment, Realize Stable Low-Temperature Environment.



※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description

DAIHAN® Digital Precise Shaking Water Bath "SB", Reciprocating Motion, 18 · 30 · 45 Lit

With Universal Spring Rack, Digital Fuzzy Control, up to 2 Lit Flask, 20~250 rpm, up to 100℃, ±0.1℃, with Certi. & Traceability

정밀 진탕 항온수조, 왕복 진탕 운동, 디지털 퍼드백 제어, 고성능 쉐이킹 엔진 탑재

CE

up to 100℃



Reciprocating Shaking Motion

2-Year Warranty

- ■ ***Supplied by DAIHAN Korea*** ■ ***CE Certified*** ■ ***PL (Product Liability) Insurance***
- ■ ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
- ■ ***Digital Fuzzy Controller Provides Precise Temperature Control***
- ■ ***Digital Feedback Controller Provides Precise Speed Control***
- ■ ***Hi-Performance Shaking Engine ensures the Best Smooth Shaking Motion and Minimum Noise and Vibration***
- ■ ***Easy to Disassemble Spring Rack for Cleaning***
- ■ ***Patented Shaking Mechanism : Minimum Noise and Vibration***
- ■ ***Patented Jog-Dial Control System and Digital LCD with Back-Light***

* Ideal for Direct Immersion of Samples or Shaking in the Field of Biotechnology and Laboratories.
* Hybridization Applications, Cell Cultures, Cell Aeration, Increasing Solubility Rates, Molecular Biology Assays, Bacterial Cultures
* Stainless-steel Bath for Superior Durability & High Thermal Efficiency
* Universal Stainless-steel Spring Rack Included : for various kind of Flasks and Tubes (up to 2 ℓ)
* User's Self-Compensation Function to Control Difference between Real Temperature and Indicated Temperature (±10.0℃)
* Over Temp, Over Current Protection and Sensor Error Detection
* Digital Timer Function : 'Delay Time' and 'Operation Time' : Can be Controlled



(1) Universal Spring Rack (Included)



(2) Dome Lid, Stainless-steel (Optional)

Specifications & Ordering information

〈L1〉

Spec. \ Model		"SB-18" Max. Capa. 18Lit	"SB-30" Max. Capa. 30Lit	"SB-45" Max. Capa. 45Lit
Capacity		18 Lit	30 Lit	45 Lit
Max.Q'ty of Erlenmeyer Flask		250㎖×6ea, 500㎖×4ea, 1000㎖×1ea	250㎖×10ea, 500㎖×8ea, 1000㎖×3ea	250㎖×18ea, 500㎖×15ea, 1000㎖×8ea
Temp Range & Accuracy		Room Temp +5℃ to 100 ℃, ±0.1℃		
Temp Resolution		0.1℃-Display, 0.1℃-Control		
Temp Uniformity & Probe		±0.5℃ , PT100		
Heating Power		1.4 kW	1.8 kW	2.4 kW
Shaking Speed & Resolution		20 ~ 250 rpm, 1rpm-Display/1rpm-Control		
Shaking Stroke (mm)		15, 20, 30 Available (20 as factory Default)		
Timer & Alarm		99hr 59min (Delay & Continuous run), Error status & Timer-end		
Display		Digital LCD with Back-Light Function		
Controller Digital		Fuzzy Controller with Jog-Shuttle Switch (Turn+Push)		
Safety Circuit		Over-Temp/-Current protection, Sensor Error Detection		
Rack		Universal-type Stainless-steel Spring Rack Included		
Drain Valve		Mounted		
Material		Internal : Stainless-steel (#304), External : Powder Coated steel		
Dimension (w×d×h)	Internal (mm)	300×300×h200	500×300×h200	600×380×h200
	External (mm)	563×353×h340	763×353×h340	863×433×h340
Packing Size (mm) & Gross Weight (kg)		620×420×h450, 24 kg	820×420×h450, 26 kg	920×500×h450, 32 kg
Electric Reqts.		1 Phase, AC 120V, 60 Hz or 230V, 50 / 60Hz		
Cat. No.	230V	DH.WSB03018	DH.WSB03030	DH.WSB03045
	120V	DH.WSB03218	DH.WSB03230	DH.WSB03245
Price, Each. ₩		1,524,000	1,637,000	1,820,000

* Other Specifications are available upon Customer's Request.

※ 운임 별도

Spare Universal Spring Rack

		Ea. Price, ₩
DH.WSB55018	(1) Spring Rack, for **18 Lit**, 245×270×h110mm, **"SBR518"**	236,300
DH.WSB55030	, for **30 Lit**, 445×270×h110mm, **"SBR530"**	258,800
DH.WSB55045	, for **45 Lit**, 545×350×h110mm, **"SBR545"**	285,000

Optional Stainless-steel Dome Lid

		Ea. Price, ₩
DH.WSB02018	(2) Dome Lid, for **18 Lit**, 363×353×h69mm, **"SBD018"**	105,000
DH.WSB02030	, for **30 Lit**, 563×353×h69mm, **"SBD030"**	117,500
DH.WSB02045	, for **45 Lit**, 663×433×h69mm, **"SBD045"**	127,500

Shaking Water Bath with Validation (IQ, OQ) Service

		Ea. Price, ₩
DH.WSB31018	Validation Service(IQ, OQ), with "SB-18", **"SBV018"**	
DH.WSB31030	, with "SB-30", **"SBV030"**	
DH.WSB31045	, with "SB-45", **"SBV045"**	

DAIHAN® Digital Precise Viscosity Bath "WVB", for 5 Viscometers, Max. 30Lit/min, up to 100℃, ±0.1℃

Stainless-steel Lid with 5 Holes for Viscometer Holders, Available Reverse & Routine-type Viscometer, Transparent Window

투시형 정밀 점도 항온수조, 5×점도계 사용가능, 디지털 퍼지 제어 시스템, 5-구 스텐리스 스틸 리드포함



Max. 30Lit/min Viscosity Bath "WVB-30" Includes Flat Lid for Viscometer Holder. (Viscometer Holder ; Option)

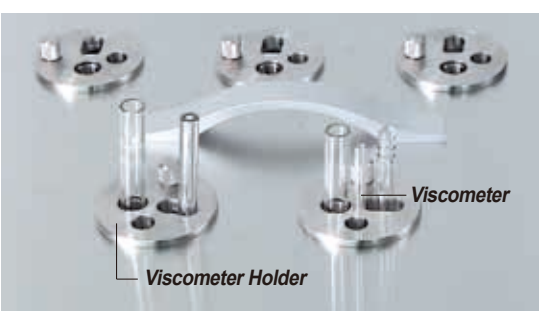
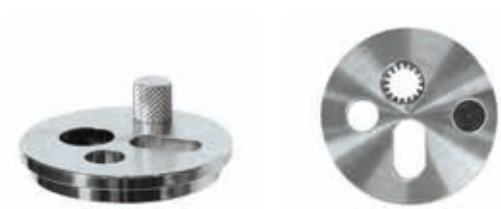


Fig1. Flat Lid with 5 Viscometer Holders



(1) Viscometer Holder "WVB02010" (Optional)

- ***Supplied by DAIHAN Korea*** ■ ***CE Certified*** ■ ***PL (Product Liability) Insurance***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
- ***Used for Precise Measurement with Capillary Viscometers***
- ***Digital Fuzzy Control System Implementing Superior Temperature Accuracy***
- ***Powerful Circulation Pump ensures the Highest Uniformity of Temperature***
- ***Viscometer Holder : Available Reverse & Routine-type Viscometer***
- ***Patented Jog-Shuttle Control System and Digital LCD with Back-Light Function.***

* Stainless-steel Lid Contains Five Holes for Insertion of Viscometer Holders
* User's Self-compensation Function to Control Difference between Real Temperature and Indicated Temperature
* Storage Function for the Set Values of Temperature and Time
* Locking Mode Supported for Experimental Safety (Input to Jog-Shuttle can be Disabled)
* Includes Flat Lid for Viscometer(without Viscometer Holder)
* Over Temp., Over Current Protection and Sensor Error Detection
* Digital Timer Function : 'Delay Time' and 'Operation Time' : Can be Controlled

Specifications & Ordering information

〈L1〉

Spec. \ Model		"WVB-30" Max. Flow 30Lit/min
Range & Accuracy		Room Temp +5℃ to 100℃, ±0.1℃
Temp. Resolution		0.1℃-Display, 0.1℃-Control
Temp. Uniformity & Probe		±0.2℃ , PT100
Heating Power		2 kW
Pump		Magnetic Drive, Max. Flow 30 Lit/min
Timer & Alarm		99hr 59min (Delay & Continuous run), Error status & Timer-end
Display		Digital LCD with Back-Light Function
Controller		Digital Fuzzy Controller with Jog-Shuttle Switch (Turn+Push)
Safety Circuit		Over-Temp./-Current protection, Sensor Error Detection
Lid		Included 5 Holes Stainless-steel Lid for Viscometer Holder
Drain Valve		Mounted
Viewing Window Size(mm)		230×180
Material		Internal : Stainless-steel (#304), External : Powder Coated steel Window : Vacuum Sealed and Tempered Safety Pair Glasses
Dimension (w×d×h)	Effective Space (mm)	330×300×h260mm
	Internal (mm)	350×300×h300mm
	External (mm)	585×375×h420mm
Packing Size (mm) & Gross Weight (kg)		640×450×h500mm, 24kg
Electric Reqts.		1 Phase, AC 120V, 60Hz or 230V, 50 / 60Hz
Cat. No.	230V	**DH.WVB01030**
	120V	**DH.WVB02030**
Price, Each. ₩		1,943,000

* Other Specifications are available upon Customer's Request. ※ **운임 별도**

Spare Stainless-steel Flat Lid for Viscometer Holder

		Ea. Price, ₩
DH.WVB11030	Flat Lid, for **30 Lit**, w380×d330, 5×Φ50mm Holes, **"VBF030"**	55,000

Optional Viscometer Holder

		Ea. Price, ₩
DH.WVB02010	(1) Viscometer Holder, **"WVB02010" for Ostwald, Ubbelohde**	72,500
DH.WVB02011	Viscometer Holder, **"WVB02011" for "witeg" Ubbelohde, Cannon-Fenske**	73,800
DH.WVB02012	Viscometer Holder, **"WVB02012" for Thread-type Ubbelohde**	72,500

Viscosity Bath Validation (IQ, OQ) Service

		Ea. Price, ₩
DH.WVB31030	Validation Service(IQ, OQ), with "WVB-30", **"VBV030"**	

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



0.9~3Lit Stainless-steel Water Bath, with Separable Multi Ring Lid Set & Handle
For Indirect-heating, Rustfree, Stainless-steel 18/10, **다단링 뚜껑식 스텐 워터 배스**

■ ***Supplied by SciLab Korea*** ■ ***Ideal for Small Articles and Containers***

* Convenience due to the Multi-stage Open Ring Cover
* Made of Rustfree Stainless-steel 18/10, Seamless, and Finished Surface
* 5 Ring Lid Set Size : 30, 42, 57, 75, 95mm
* 6 Ring Lid Set Size : 30, 42, 57, 75, 100, 137mm
* 7 Ring Lid Set Size : 30, 42, 57, 75, 100, 115, 160mm

〈L1〉

		Ea.	Price, ₩
SL.Bat7016	Water Bath, SS, 5 Ring Lid Set, Φ127×h 90mm, 900㎖		53,590
SL.Bat7017	, 6 Ring Lid Set, Φ152×h102mm, 1,500㎖		80,390
SL.Bat7018	, 7 Ring Lid Set, Φ203×h127mm, 3,000㎖		96,440



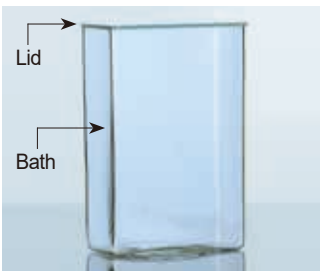
Aluminum Bath, with Separable Multi-Ring Lid Set
For Indirect-heating, 660℃, **중탕용 배스, 간접 가열용**

■ ***Supplied by DAIHAN Korea*** * Made of Aluminum

* Ideal for Indirect Heating of Small Articles & Vessels
* Separable 4 Ring Lid Set Size : 40, 72, 105, 130mm

〈L1〉

		Ea.	Price, ₩
SL.Bat7041	Al Bath, 4 Ring Lid Set, Φ180×h80mm		41,900



DURAN® Square Glass Bath, with Ground-Top & Lid, <Germany-Made> 4각 수조와 뚜껑

* DURAN® Boro Glass α 3.3 * Good for Laboratory, Industry use &c.

〈L1〉

		Ea.	Price, ₩
DU.2136311	Bath, Square, L10× w 5×h12cm		161,040
DU.2136313	, L13× w 5×h13cm		200,470
DU.2136319	, L15× w 5×h15cm		212,850
DU.2136328	, L12× w 6×h18cm		197,050
DU.2136347	, L21×w10×h21cm		250,820
DU.2136358	, L25×w14×h25cm		358,150

DAIHAN® External/Internal High-temp Bath Circulator "CH", up to 250℃, ±0.1℃, 8 · 12 · 22 · 30 Lit

With Stainless-steel Flat Lid, Digital Fuzzy Control System, Certi. & Traceability, Flow 16 Lit/min, Lift 2.8m

Ideal for Heating Line of Facility, External Circulating Connect od.12.5 & id.10.5mm, **정밀 고온 배스겸용 고온 써큘레이터**

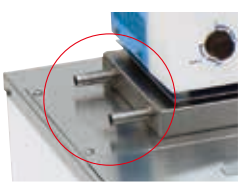
CE *up to 250℃*



2-Year Warranty

- ■ ***Supplied by DAIHAN Korea*** ■ ***CE Certified*** ■ ***PL(Product Liability) Insurance.***
- ■ ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System.***
- ■ ***Advanced Heating System Ensures Temperature Performance.***
- ■ ***Patented Jog-Dial Control System and Capacitive Touch Button.***

* Digital Fuzzy Control System Implementing Superior Temperature Accuracy.
* Innovated Powerful Circulation Pump ensures Temp Uniformity
  : External and Internal Circulation (Max Flow Rate : 16 Lit/min).
* Controlled 5 Steps Circulation speed(Flow Rate).
* 304 Stainless-steel Bath and Lid for Superior Durability and High Thermal Efficiency.
* Compensation Function to Control Difference between Real Temp and Indicated Temp
* Digital Timer Function : 'Delay Time' and 'Operation Time' can be Controlled.
* Locking Mode Supported for Experimental Safety (Input to Jog-Dial can be Disabled).



External Circulation Nozzle



Flat Lid Included



Fig. Multi-use High Temp Bath Circulator with Modular Reactor System

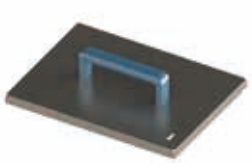
Specifications & Ordering information

〈L1〉

Spec. \ Model		"CH-8" Max. Capa. 8 Lit	"CH-12" Max. Capa. 12 Lit	"CH-22" Max. Capa. 22 Lit	"CH-30" Max. Capa. 30 Lit
Bath Volume		8 Lit	12 Lit	22 Lit	30 Lit
Pump		Max Flow Rate : 16 Lit/min, (Controlled 5 Steps Flow Rate Speed) Max Pressure : 5 psi, Max Lift : 2.8m			
Temp Range & Accuracy		Room Temp +5℃~250℃, ±0.1℃			
Temp Resolution		0.1℃-Display, 0.5℃-Control			
Temp Uniformity & Probe		±0.2℃, PT100			
Heating Power		1.0 kW	1.5 kW	2.2 kW	2.5 kW
Heat-up Time		50 min. to 100℃			
External Circulation Nozzle		id.10.5 / od.12.5 mm			
Timer & Alarm		99hr 59min (Delay & Continuous run), Error status & Timer-end			
Display		Digital LCD with Back-Light Function			
Controller		Digital Fuzzy Controller with Jog - Dial Knob (Turn+Push)			
Safety Circuit		Over-Temp/-Current protection, Sensor Error			
Material		Internal : Stainless-steel (#304), External : Powder Coated steel Insulation : 50mm Thickness Ceramic Fiber			
Lid & Drain Valve		Included Stainless-steel Flat Lid & Ball Valve			
Dimension (w×d×h)	Effective Space	180×130×h155	250×130×h155	340×250×h155	340×250×h200
	Mounted	180×320×h155	250×320×h155	340×440×h155	340×440×h200
	External	303×443×h569	373×443×h569	463×563×h569	463×563×h614
Packing Size (mm) & Gross Weight(kg)		400×470×h630 19 kg	400×470×h630 21 kg	490×600×h680 23 kg	490×600×h680 37 kg
Electrical Reqts.		1 Phase, AC 120V, 60Hz or AC 230V, 50 / 60Hz			
Cat. No.	230V	DH.WCH00408	DH.WCH00412	DH.WCH00422	DH.WCH00430
	120V	DH.WCH00508	DH.WCH00512	DH.WCH00522	DH.WCH00530
Price, Each. ₩		1,400,000	1,432,000	1,519,000	1,555,000

* Other Specifications are available upon Customer's Request.

※ 운임 별도



(1) Insulation Lid (Optional)

(1) Optional Microporous Ceramic Insulation Lid
T15mm(10mm Microporous Ceramic+5mm Ceramic Paper)

		Ea. Price, ₩
DH.WCH.L008	Insulation Lid, for **CH-8** , 288×158×T15mm	57,500
DH.WCH.L012	for **CH-12,** 358×158×T15mm	66,300
DH.WCH.L022	for **CH-22, CH-30,** 448×316×T15mm	82,500

※ See page 57 for the Cooling/Heating Transfer Fluids & Circulation Hoses ;

- ▶ SYN THERM 7008® −40℃+400℃
- ▶ SYN THERM 22L® −5℃+320℃
- ▶ SUPER THERM FG-20® −10℃+300℃
- ▶ Insulated External Circulating Tubings

※ Note : Cooling Transfer Fluid Should be an Antifreezing Solution

※ The Price(VAT is extra) for Korean End-user, and Changeable.

DAIHAN® −25℃+150℃ External/Internal Refrigerated/Heating Bath Circulator "CR", ±0.2℃

With Flat Lid, Digital Fuzzy Control, CFC-free Refrigeration, Certi. & Traceability, 8 · 12 · 22 · 30 Lit, Flow 25Lit/min, Lift 4m
Ideal for Cooling/Heating Line of Facility, External Circulating Connect od.12 & id.10mm, **정밀 냉동/가열 배스 겸용 써큘레이터**

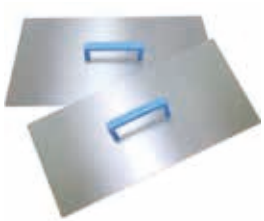
CE −25℃+150℃



2-Year Warranty



External Circulation Nozzle



Stainless-steel Flat Lid Included

※ See page 57 for the Cooling/Heating Transfer Fluids & Circulation Hoses ;

- ▶ SYN THERM 7008® −40℃+400℃
- ▶ SUPER THERM FG-20® −10℃+300℃
- ▶ SYN THERM 22L® −5℃+320℃
- ▶ Insulated External Circulating Tubings

※ Note : Cooling Transfer Fluid Should be an Antifreezing Solution

- ■ ***Supplied by DAIHAN Korea*** ■ ***CE Certified*** ■ ***PL (Product Liability) Insurance***
- ■ ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System.***
- ■ ***Advanced Refrigerating System Ensures Temperature Performance.***
- ■ ***Digital Fuzzy Control System Implementing Superior Temperature Accuracy.***
- ■ ***Patented Jog-Dial Control System and Capacitive Touch Button***

∗ Innovated Powerful Circulation Pump ensures Temp Uniformity
: External and Internal Circulation (Max Flow Rate : 25 Lit/min).
∗ RS232C Interface for Remote Monitoring and Controlling with PC. ∗ All models Built in Caster.
∗ Much Faster Cool-down Time ∗ Urethane Foam Insulation ∗ Proper Liquid Level Line in Bath
∗ User's Self-compensation Function to Control Difference between Real Temperature and Indicated Temperature (±10.0℃).
∗ Warning and Auto-Stop Function in case of Liquid Shortage.
∗ Auto-controlled Refrigeration System for Compressor Protection and Power Saving.
∗ Locking Mode Supported for Experimental Safety (Input to Jog-Dial can be Disabled).

Specifications & Ordering information

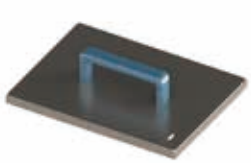
<L1>

Spec. \ Model		"CR-8" Max. Capa. 8 Lit	"CR-12" Max. Capa. 12 Lit	"CR-22" Max. Capa. 22 Lit	"CR-30" Max. Capa. 30 Lit
Temp Range & Accuracy		−25℃+150℃, ±0.1℃			
Temp Resolution		0.1℃-Display, 0.1℃-Control			
Temp Uniformity & Probe		±0.2℃ at −10℃, PT100			
Pump		Max Flow Rate : 25Lit/min(Controlled 5 Steps Flow Rate Speed) Max Pressure : 7.5 psi, Max Lift : 4m			
Bath Volume		8 Lit	12 Lit	22 Lit	30 Lit
Heating & Refrigerator		1 kW, 1/3HP	1.5 kW, 1/3HP	2 kW, 1/2HP	2.2 kW, 3/4HP
Cooling Capacity	at +20℃	300 W	380 W	680 W	850 W
	at 0℃	200 W	250 W	500 W	620 W
	at −20℃	110 W	130 W	300 W	400 W
Refrigerant		CFC -Free(R-404A) Refrigeration System			
Total Power Consumption		1.6 kW	2 kW	2.7 kW	3 kW
Compressor Control		Intelligent Control of Refrigerator for preventing Compressor Overload			
External Circulation Nozzle		id.10.5 / od.12.5mm(For Inner Circulat. : to Connect directly the in-/outlet Nozzles)			
Timer & Alarm		99hr 59min (Delay & Continuous run), Error status & Timer-end			
Display		Digital LCD with Back-Light Function			
Controller		Digital Fuzzy Controller with Jog-Dial Knob (Turn+Push)			
Safety Circuit		Over-Temp/-Current protection, Sensor Error Detection, Leakage Breaker			
Material		Internal : Stainless-steel (#304), External : Powder Coated steel Insulation : 40mm Thickness Urethane Foaming			
Lid & Drain Valve		Includes Stainless-steel Flat Lid & Ball Valve			
Dimension (w×d×h)	Effective Space (mm)	175×153×150	230×181×150	290×220×200	330×290×200
	Internal (mm)	175×320×150	230×350×150	290×390×200	330×460×200
	External (mm)	330×474×752	400×523×807	483×563×850	494×633×906
Packing Size (mm) & Gross Weight (kg)		420×560×925 45 kg	530×630×985 54 kg	615×670×1025 63 kg	630×740×1075 70 kg
Electrical Reqts.		1 Phase, AC 120V, 60Hz or AC 230V, 50 / 60Hz			
Cat. No.	230V	DH.WCR00408	DH.WCR00412	DH.WCR00422	DH.WCR00430
	120V	DH.WCR00508	DH.WCR00512	DH.WCR00522	DH.WCR00530
Price, Each. ₩		2,519,000	2,655,000	2,969,000	3,087,000

∗ Other Specifications are available upon Customer's Request. ※ 운임 별도

Refrigerated Circulator with Validation (IQ, OQ) Service

		Ea. Price, ₩
DH.WCR30308	Validation Service(IQ, OQ), **"CRBV208"**, with "CR-8"	
DH.WCR30312	, **"CRBV212"**, with "CR-12"	
DH.WCR30322	, **"CRBV222"**, with "CR-22"	
DH.WCR30330	, **"CRBV230"**, with "CR-30"	



(1) Insulation Lid (Optional)

(1) Optional Microporous Ceramic Insulation Lid T15mm(10mm Microporous Ceramic+5mm Ceramic Paper)

		Ea. Price, ₩
DH.WCR.L008	Insulation Lid, for **CR-8** , 240×178×T15mm	56,000
DH.WCR.L012	for **CR-12,** 316×206×T15mm	65,000
DH.WCR.L022	for **CR-22,** 396×245×T15mm	80,000
DH.WCR.L030	for **CR-30,** 436×316×T15mm	101,000

DAIHAN® −35℃+150℃ External/Internal Refrigerated/Heating Bath Circulator "CL", ±0.2℃

With Flat Lid, Digital Fuzzy Control, CFC-free, Certi. & Traceability, Capa. 8 · 12 · 22 · 30 Lit, Flow 25Lit/min, Lift 4m

Ideal for Cooling/Heating Line of Facility, External Circulating Connect od.12 & id.10mm, **정밀 냉동/가열 배스 겸용 써큘레이터**

CE −35℃+150℃



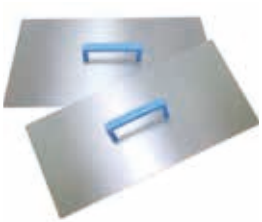
2-Year Warranty

- ■ ***Supplied by DAIHAN Korea*** ■ ***CE Certified*** ■ ***PL (Product Liability) Insurance***
- ■ ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
- ■ ***Advanced Refrigeration System Ensures Temperature Performance***
- ■ ***Digital Fuzzy Control System Implementing Superior Temperature Accuracy***
- ■ ***Patented Jog-Dial Control System and Capacitive Touch Button***

* Innovated Powerful Circulation Pump ensures Temp Uniformity : External and Internal Circulation (Max Flow Rate : 25 Lit/min).
* RS232C Interface for Remote Monitoring and Controlling with PC * All models Built in Caster
* Much Faster Cool-down Time * Urethane Foam Insulation * Proper Liquid Level Line in Bath
* Connection with Evaporator or Viscometer is applicable
* User's Self-compensation Function to Control Difference between Real Temperature and Indicated Temperature (±10.0℃).
* Warning and Auto-Stop Function in case of Liquid Shortage.
* Auto-controlled Refrigeration System for Compressor Protection and Power Saving.
* Locking Mode Supported for Experimental Safety (Input to Jog-Dial can be Disabled)



External Circulation Nozzle



Stainless-steel Flat Lid Included

※ See page 57 for the Cooling/Heating Transfer Fluids & Circulation Hoses ;

- ▶ SYN THERM 7008® −40℃+400℃
- ▶ SUPER THERM FG-20® −10℃+300℃
- ▶ SYN THERM 22L® −5℃+320℃
- ▶ Insulated External Circulating Tubings

※ Note : Cooling Transfer Fluid Should be an Antifreezing Solution

Specifications & Ordering information

〈L1〉

Spec. \ Model		"CL-8" Max. Capa. 8 Lit	"CL-12" Max. Capa. 12 Lit	"CL-22" Max. Capa. 22 Lit	"CL-30" Max. Capa. 30 Lit
Temp Range & Accuracy		−35℃+150℃, ±0.1℃			
Temp Resolution		0.1℃-Display, 0.1℃-Control			
Temp Uniformity & Probe		±0.2℃ at −20℃, PT100			
Pump		Max Flow Rate : 25Lit/min(Controlled 5 Steps Flow Rate Speed) Max Pressure : 7.5 psi, Max Lift : 4m			
Bath Volume		8 Lit	12 Lit	22 Lit	30 Lit
Heating & Refrigerator		1 kW, 1/2HP	1.5 kW, 1/2HP	2 kW, 7/8HP	2.2 kW, 1HP
Cooling Capacity	at +20℃	500 W	530 W	860 W	1030 W
	at 0℃	340 W	370 W	620 W	760 W
	at −20℃	200 W	210 W	400 W	500 W
Refrigerant		CFC -Free(R-404A) Refrigeration System			
Total Power Consumption		1.7 kW	2.2 kW	3 kW	3.3 kW
Compressor Control		Intelligent Control of Refrigerator for preventing Compressor Overload			
External Circulation Nozzle		id.10.5 / od.12.5mm(For Inner Circulat. : to Connect directly the in-/outlet Nozzles)			
Timer & Alarm		99hr 59min (Delay & Continuous run), Error status & Timer-end			
Display		Digital LCD with Back-Light Function			
Controller		Digital Fuzzy Controller with Jog-Dial Knob (Turn+Push)			
Safety Circuit		Over-Temp/-Current protection, Sensor Error Detection, Leakage Breaker			
Material		Internal : Stainless-steel (#304), External : Powder Coated steel Insulation : 40 mm Thickness Urethane Foaming			
Lid & Drain Valve		Includes Stainless-steel Flat Lid & Ball Valve			
Dimension (w×d×h)	Effective Space (mm)	175×153×150	230×181×150	290×220×200	330×290×200
	Internal (mm)	175×320×150	230×350×150	290×390×200	330×460×200
	External (mm)	400×523×807	400×523×807	483×563×850	494×633×906
Packing Size (mm) & Gross Weight (kg)		530×630×985 50 kg	530×630×985 55 kg	615×670×1025 65 kg	630×740×1075 78 kg
Electrical Reqts.		1 Phase, AC 120V, 60Hz or AC 230V, 50 / 60Hz			
Cat. No.	230V	DH.WCL00408	DH.WCL00412	DH.WCL00422	DH.WCL00430
	120V	DH.WCL00508	DH.WCL00512	DH.WCL00522	DH.WCL00530
Price, Each. ₩		2,664,000	2,800,000	3,005,000	3,458,000

* Other Specifications are available upon Customer's Request.

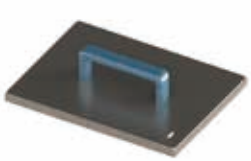
※ 운임 별도

Refrigerated Circulator with Validation (IQ, OQ) Service

		Ea. Price, ₩
DH.WCL30308	Validation Service(IQ, OQ), **"CLBV208"**, with "CL-8"	
DH.WCL30312	, **"CLBV212"**, with "CL-12"	
DH.WCL30322	, **"CLBV222"**, with "CL-22"	
DH.WCL30330	, **"CLBV230"**, with "CL-30"	

(1) Optional Microporous Ceramic Insulation Lid T15mm(10mm Microporous Ceramic+5mm Ceramic Paper)

		Ea. Price, ₩
DH.WCR.L008	Insulation Lid, for **CL-8** , 240×178×T15mm	56,000
DH.WCR.L012	for **CL-12**, 316×206×T15mm	65,000
DH.WCR.L022	for **CL-22**, 396×245×T15mm	80,000
DH.WCR.L030	for **CL-30**, 436×316×T15mm	101,000



(1) Insulation Lid (Optional)

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description


A & B


C-(1)

NEW


C-(2)

Insulated Circulation Hose, Silicone · Teflon PFA or PTFE · Stainless-steel, Id Φ10~19mm, L1 & 1.5m

■ ***Supplied by SciLab Korea***

∗ A & B Φ37mm Black EPDM Foam Insulated
∗ Silicone Vacu-Hose : id 10×od 13mm, id 15×od 20mm, id 18×od 24mm, 200℃
∗ PFA Hose : id 10×od 12mm ∗ PTFE Hose : id 15×od 16mm, id 19×od 21mm, −100℃+260℃
∗ Stainless-steel(SS 304) Hose : id 17×od 60mm, 360℃, Silicone Foam & Black Woven Nylon Mesh Insulated

A. Insulated Silicone Hose, 200℃

〈L1〉

		dh	Pk.	Price,₩
SL.Tub4021	Sili-hose, id 10mm, L1m	1m		23,050
SL.Tub4022	, L1.5m	1.5m		26,050
SL.Tub4023	, id 15mm, L1m	1m		30,900
SL.Tub4024	, L1.5m	1.5m		37,530
SL.Tub4025	, id 18mm, L1m	1m		37,800
SL.Tub4026	, L1.5m	1.5m		48,980

B. Insulated PFA or PTFE Hose, 260℃

		dh	Pk.	Price,₩
SL.Tub4031	PFA-hose, id 10mm, L1m	1m		35,080
SL.Tub4032	, L1.5m	1.5m		43,400
SL.Tub4033	PTFE-hose, id 15mm, L1m	1m		36,630
SL.Tub4034	, L1.5m	1.5m		46,400
SL.Tub4035	, id 19mm, L1m	1m		46,330
SL.Tub4036	, L1.5m	1.5m		47,970

C. Best Insulated & Stainless-steel Bellows(Flexible) Hose, SS 304, 360℃

		Ea.	Price,₩
SL.Tub7021	(1) Stainless-steel Bellows Hose, id 17mm, L1m, with Connector		984,890
SL.Tub7021.A01	(2) , for Extension, without Connector *New*		317,150

NEW



SK™ Best COOL-/HEAT-ing Transfer Fluid, Synthetic Silicone Mixture, −40℃+400℃, 20Lit

For Low/High-Temp Baths, Clearly Harmless Liquid, **냉매/열매 겸용 실리콘계 합성 열매체유**

■ ***Supplied by DAIHAN Korea***
∗ Colorless and Transparent Liquid.

■ ***The Best Circulation Properties / Thermal Stability.***
∗ Do not use for Silicone Tube

(1) SYN THERM 7008®, −40℃+400℃, 저/고온용

∗ Kinematic Viscosity, cSt ⇒ (1) −40℃ : 51.56cSt, (2) 0℃ : 16.08cSt, (3) 100℃ : 3.43cSt, (4) 200℃ : 1.36 cSt
∗ Specific Gravity : 0.9435 at 15℃ ∗ Flash Point(PMCC) : 168℃ ∗ Pour Point : −72℃

〈L1〉

		Pk.	Price, ₩
SL.Syn7008	Cool/Heat Transfer Fluid, −40+400℃, 20Lit	20Lit	1,300,000

(2) SUPER THERM FG-20®, −10℃+300℃, 고온용

∗ Food Grade Thermal Medium Oil Satisfying FDA, NSF Standards
∗ Kinematic Viscosity, cSt ⇒ (1) 25℃ : 35.65cSt, (2) 100℃ : 4.23cSt, (3) 200℃ : 1.27 cSt
∗ Specific Gravity : 0.8374 at 15℃ ∗ Flash Point : 230℃ ∗ Pour Point : −15℃

		Pk.	Price, ₩
SL.Fg0020	Cool/Heat Transfer Fluid, −10+300℃, 20Lit	20Lit	320,000



SHL™ SYN THERM 22L® −5℃+320℃ Heating Transfer Fluid

Synthetic Alkylbenzene Derivative, for Low- & High-Temp Circulation, **알킬벤젠계 합성열매**

■ ***Supplied by DAIHAN Korea***

∗ Hazards Identification of MSDS(Material Safety Data Sheet) :
- H315 Causes Skin Irritation - H319 Causes Serious Eye Irritation
- H335 May Cause Respiratory Irritation - H336 May Cause Drowsiness or Dizziness

∗ Kinematic Viscosity & Density :
(1) at 0℃ : 22.7cSt, 0.885kg/ℓ (2) at 40℃ : 21.80cSt, 0.859kg/ℓ (3) at 80℃ : 6.09cSt, 0.834kg/ℓ
(4) at 140℃ : 6.09cSt, 0.795kg/ℓ (5) at 200℃ : 1.10cSt, 0.756kg/ℓ (6) at 260℃ : 0.74cSt, 0.718kg/ℓ

〈L1〉

		Pk.	Price, ₩
SL.SYN22L	SYN THERM 22L® Heating Transfer Fluid, -5℃+320℃, 20Lit	20Lit	145,000

Articles	Cat. No	Description

SciLab® Standard Glass Beaker, Low Form, with Spout · Graduation · Reinforced Rim, 5~10,000㎖
Made of Borosilicate-glass 3.3, Useful for Heating & General-purpose, **표준 유리 비커**



■ ***Supplied by SciLab Korea***
* Made of Borosilicate Glass 3.3 * Ideal for Economical General Purpose
* Excellent Resistance to Chemicals and Heat

<L1>

Cat. No			Ea. Price,₩	Pk.	Price,₩
SL.Bea1010	Beaker, Standard, 5㎖	, Φ22×h30mm New	620	12ea	7,220
SL.Bea1011	, 10㎖	, Φ26×h35mm	750	12ea	8,730
SL.Bea1012	, 25 / 5㎖	, Φ34×h50mm	930	12ea	10,830
SL.Bea1013	, 50 / 10㎖	, Φ42×h60mm	1,270	12ea	14,790
SL.Bea1014	, 100 / 20㎖	, Φ51×h70mm	1,330	12ea	15,490
SL.Bea1015	, 150 / 25㎖	, Φ60×h80mm	1,390	12ea	16,170
SL.Bea1016	, 250 / 50㎖	, Φ70×h95mm	1,650	12ea	19,210
SL.Bea1017	, 400 / 50㎖	, Φ80×h110mm	2,090	8ea	16,220
SL.Bea1018	, 500 / 50㎖	, Φ87×h118mm New	1,850	6ea	10,770
SL.Bea1019	, 600 / 50㎖	, Φ90×h125mm	2,470	8ea	19,170
SL.Bea1020	, 1,000 / 100㎖	, Φ106×h145mm	4,240	6ea	24,680
SL.Bea1021	, 2,000 / 200㎖	, Φ130×h185mm	7,850	2ea	15,230
SL.Bea1022	, 3,000 / 500㎖	, Φ150×h210mm		1ea	13,670
SL.Bea1023	, 5,000 / 1,000㎖	, Φ170×h270mm		1ea	22,680
SL.Bea1024	, 10,000 / 1,000㎖	, Φ217×h350mm New		1ea	76,730

SciLab® Impact-Resist and Heavy-Wall / Heavy Duty Beaker, Low Form, with Equality Max-Thick. 3.5/4mm, 100~20,000㎖
Excellent for Heat & Chemical Durability, Boro 3.3, Autoclavable, **내충격/내구성 비커, 헤비 듀티**



■ ***Supplied by SciLab Korea*** ■ ***Boro 3.3*** ■ ***표준 비커 보다 두꺼운 벽으로 인해 긴 수명과 내구성 우수***
■ ***Approx 50% Better Machanical Properties than Standard Beaker with Max Equality Thickness of 3.5 & 4mm***
* Wall Thickness 3.5mm for 100~1,000㎖, 4mm for 2,000~20,000㎖ * with Spout & Graduation
※ Note : The Beakers are not Used en Quick Heating or Quick Cooling

<L1>

Cat. No			Ea. Price,₩	Pk.	Price,₩
SL.Bea1101	Beaker, Heavy-Wall, 100 / 20㎖	, Φ52×h85mm / thick 3.5	3,940	12ea	45,870
SL.Bea1103	, 250 / 50㎖	, Φ70×h94mm / thick 3.5	4,550	12ea	52,970
SL.Bea1104	, 500 / 50㎖	, Φ89×h124mm / thick 3.5	6,550	6ea	38,130
SL.Bea1105	, 1,000 / 100㎖	, Φ105×h160mm / thick 3.5	9,840	6ea	57,270
SL.Bea1106	, 2,000 / 100㎖	, Φ135×h195mm / thick 4.0	21,460	2ea	41,640
SL.Bea1107	, 3,000 / 500㎖	, Φ157×h205mm / thick 4.0	29,710		
SL.Bea1108	, 5,000 / 1,000㎖	, Φ182×h256mm / thick 4.0	49,520		
SL.Bea1109	, 10,000 / 1,000㎖	, Φ225×h340mm / thick 4.0	135,330		
SL.Bea1111	, 20,000㎖	, Φ285×h430mm / thick 4.0	234,350		

DURAN® Premium Batch-certificated Standard Beaker, Standard Low Form, Full range 5~10,000㎖
Ideal for Heating & General use, Borosilicate-glass 3.3, **프리미엄 표준형 유리 비커**

※ New Product Logo!
Same Trusted Quality!



Batch-certificated Standard Beaker

■ ***Supplied by DURAN® in Germany***
■ ***Can download the Certificate from 'http://www.dwk.com'***
with Retrace Code on the Surface of the Product.
* DURAN® Borosilicate-glass α 3.3 * Usage : Mixing, Boiling, Sampling
* With Graduation (except 5 & 10㎖)

<L1>

Cat. No			Ea. Price,₩	Pk.	Price,₩
DU.2110607	Beaker, Standard, 5㎖	, Φ22×h30mm	5,470	10ea	52,890
DU.2110608	, 10㎖	, Φ26×h35mm	6,700	10ea	64,890
DU.2110614	, 25 / 10㎖	, Φ34×h50mm	5,100	10ea	49,320
DU.2110617	, 50 / 20㎖	, Φ42×h60mm	4,530	10ea	43,800
DU.2110624	, 100 / 20㎖	, Φ50×h70mm	4,370	10ea	42,180
DU.2110636	, 250 / 50㎖	, Φ70×h95mm	5,140	10ea	49,650
DU.2110641	, 400 / 50㎖	, Φ80×h110mm	6,580	10ea	63,590
DU.2110648	, 600 / 100㎖	, Φ90×h125mm	8,180	10ea	79,170
DU.2110654	, 1,000 / 100㎖	, Φ105×h145mm	11,250	10ea	109,000
DU.2110663	, 2,000 / 200㎖	, Φ132×h185mm	22,930	10ea	222,220
DU.2110668	, 3,000 / 500㎖	, Φ152×h210mm	50,050	4ea	194,170
DU.2110673	, 5,000 / 500㎖	, Φ170×h270mm	80,530		
DU.2110686	, 10,000 / 1,000㎖	, Φ217×h350mm	322,100		



※ Optional Silicone Lid : See the "Beakers, Accessories" Section!

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



SciLab® Classic Tall Beaker, with Spout & Graduation, 50~1,000㎖

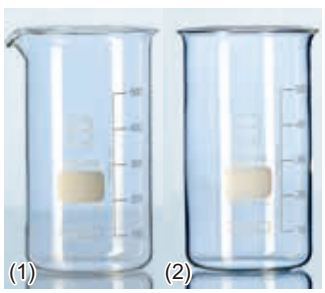
Made of Boro-glass 3.3, Useful for Heating & General-purpose, **유리 톨 비커**

■ ***Supplied by SciLab Korea***

∗ Ideal for Economical General Purpose.
∗ Excellent Resistance to Chemicals and Heat

〈L1〉

Cat. No		Ea.	Price,₩	Pk.	Price,₩
SL.Bea1031	Beaker, Tall Form, 50 / 10㎖ , Φ38×h70mm		1,390	12ea	16,170
SL.Bea1032	, 100 / 10㎖ , Φ48×h80mm		1,520	12ea	17,580
SL.Bea1033	, 150 / 12.5㎖ , Φ54×h95mm		1,670	10ea	16,200
SL.Bea1034	, 250 / 25㎖ , Φ60×h120mm		2,190	8ea	17,000
SL.Bea1035	, 400 / 50㎖ , Φ70×h130mm		2,800	8ea	21,730
SL.Bea1036	, 600 / 50㎖ , Φ80×h150mm		3,730	10ea	36,140
SL.Bea1037	, 1,000 / 100㎖, Φ95×h185mm		5,700	6ea	33,180



Batch-certificated Tall Beaker

DURAN® Premium Batch-certificated Tall Beaker, 50~2,000㎖

Boro-glass 3.3, with Graduation, with/without Spout, DIN/ISO, **프리미엄 유리 톨 비커**

■ ***Supplied by DURAN® in Germany***

〈L1〉

Volume	Size (mm)	(1) With Spout Cat. No.	Ea. Price, ₩	Pk.	Price, ₩	(2) Without Spout Cat. No.	Ea. Price, ₩	Pk.	Price, ₩
50 / 10㎖	Φ38×h70	**DU.2111617**	4,950	10ea	47,930	**DU.2111717**	5,240	10ea	50,690
100 / 20㎖	Φ48×h80	**DU.2111624**	4,950	10ea	47,930	**DU.2111724**	5,320	10ea	51,370
150 / 20㎖	Φ54×h95	**DU.2111629**	5,320	10ea	51,370	**DU.2111729**	5,770	10ea	55,820
250 / 50㎖	Φ60×h120	**DU.2111636**	5,530	10ea	53,440	**DU.2111736**	6,450	10ea	62,400
400 / 50㎖	Φ70×h130	**DU.2111641**	6,880	10ea	66,540	**DU.2111741**	6,670	10ea	64,470
600 / 100㎖	Φ80×h150	**DU.2111648**	8,620	10ea	83,430	**DU.2111748**	9,120	10ea	88,250
1,000 / 100㎖	Φ95×h180	**DU.2111654**	12,320	10ea	119,270	**DU.2111754**	12,840	10ea	124,440
2,000 / 200㎖	Φ120×h240	**DU.2111663**	20,920	10ea	202,680	-	-		-



Glass Handle Beaker, with Spout & Graduation, 100~500㎖

Made of Borosilicate-glass 3.3, **유리 핸들 비커**

■ ***Supplied by SciLab Korea***
■ ***손잡이가 있어서 편리하고 안전하게 사용이 가능함.***

∗ Ideal for Easy Holding · Pouring · Mixing · Measuring Solution
∗ Excellent Resistance to Chemicals and Heat
∗ Made of Borosilicate-glass 3.3

〈L1〉

Cat. No		Ea.	Price,₩	Pk.	Price,₩
SL.Bea1214	Beaker, with Handle, 100 / 20㎖, Φ51×h70mm		3,700	12ea	43,070
SL.Bea1216	, 250 / 50㎖, Φ70×h95mm		4,630	12ea	53,900
SL.Bea1218	, 500 / 50㎖, Φ87×h118mm		6,250	8ea	48,500

※ **Caution to the Handle Breakage!** Do not Use with Full Volume.

, Quartz 비커



Quartz Beaker, with Spout, High Transparent, 50~5,000㎖

Without Graduation, max 1,250℃ in use, Softening Point 1,680℃, **석영 비커**

■ ***Supplied by SciLab Korea***

∗ Excellent Transmission, especially Ultra Red Zone and Visible Area, Compare with Ordinary Glass
∗ Thermal Expansion Coefficient 5.5 10^{-7} k^{-1}

〈L2〉

Cat. No		Ea.	Price, ₩
SL.Qu.Be011	Beaker, Quartz, 50㎖ , Φ46×h60mm		28,880
SL.Qu.Be012	, 100㎖ , Φ55×h70mm		39,380
SL.Qu.Be013	, 200㎖ , Φ67×h89mm		85,320
SL.Qu.Be014	, 250㎖ , Φ73×h95mm		102,380
SL.Qu.Be015	, 300㎖ , Φ78×h103mm		124,690
SL.Qu.Be016	, 500㎖ , Φ90×h120mm		183,750
SL.Qu.Be017	, 1,000㎖, Φ110×h150mm		301,880
SL.Qu.Be018	, 2,000㎖, Φ135×h200mm		485,630
SL.Qu.Be019	, 5,000㎖, Φ170×h280mm		875,000

Articles	Cat. No	Description



(1)



(2)

Wisd™ PP Measure™ Beaker, with Precise Graduation · Spout, Autoclavable, 25~5,000㎖

With or Without Handle, Hi-Transparency & Accuracy, 125/140℃ Stable, PP **메스비커/계량비커, 정밀눈금**

■ ***Made in Korea.*** ■ ***Made of High-Grade Polypropylene(PP)***
■ ***PP 25~5,000㎖ 정밀눈금부 다용도 계량 비커; 우수한~투명성 · 정밀성 · 내충격성 · 내약품성 · 내열성 (-10℃+125/140℃).***
■ ***Multi-use in Laboratory & Industry, Volume Accuracy & High Transparency***
■ ***Excellent Resistance to Acid/Chemicals/Impact/Temperature(-10℃+125/140℃).***
∗ With Precise Mould Graduation & Spout, Autoclavable.
∗ The Volume Graduation ; Measured by Water at Room Temperature 25℃

〈L1〉

(1) With Handle, PP, 250~5,000㎖

		Ea.	Price, ₩
DH.Be3114	Vol.Beaker, PP, Handled, 250 / 10㎖ , accu. approxi +1.6%, Φ82×h98mm		1,420
DH.Be3115	, 500 / 10㎖ , +1% , Φ90×h133mm		1,460
DH.Be3116	, 1,000 / 10㎖ , +1% , Φ122×h167mm		1,750
DH.Be3117	, 2,000 / 20㎖ , +0.3%, Φ153×h200mm		4,070
DH.Be3118	, 3,000 / 50㎖ , +1.7%, Φ170×h240mm		8,140
DH.Be3119	, 5,000 /100㎖, +2% , Φ200×h270mm		10,650

(2) Without Handle, PP, Stackable, 25~5,000㎖

		Ea.	Price, ₩
DH.Be3100	Vol.Beaker, PP, 25 / 5㎖ , accu. approxi +0% , Φ43×h50mm		1,080
DH.Be3101	, 50 / 5㎖ , +2% , Φ50×h61mm		490
DH.Be3102	, 100 / 10㎖ , +2% , Φ63×h75mm		880
DH.Be3104	, 250 / 10㎖ , +2% , Φ82×h93mm		970
DH.Be3105	, 500 / 10㎖ , +1% , Φ96×h128mm		1,260
DH.Be3106	, 1,000 / 10㎖ , +1.2%, Φ125×h145mm		2,740
DH.Be3107	, 2,000 / 20㎖ , +1.9%, Φ160×h185mm		7,330
DH.Be3108	, 5,000 / 100㎖, +0.8%, Φ215×h260mm		16,780



PP Mini-Beaker Cup, Graduated, with Spout, Autoclavable, Translucence, 5~30㎖

Light Weight, Ideal for the Small Amount of Sample, 125/140℃ Stable, PP **미니 비커**

∗ Made of Polypropylene(PP) ∗ Autoclavable
∗ Suitable for Small Amount Working ∗ With Mould Graduation.

〈L2〉

		Ea.	Price, ₩	Cs.	Price, ₩
SL.Bea3931	Mini-Beaker, PP, 5 / 1㎖ , Φ26.3×h22mm	240		100ea	19,320
SL.Bea3932	, 10 / 1㎖ , Φ29.1×h27mm	250		100ea	20,680
SL.Bea3933	, 20 / 2.5㎖, Φ33.2×h36mm	340		100ea	28,490
SL.Bea3934	, 30 / 5㎖ , Φ37.0×h47mm	390		100ea	34,470



PP Tricorn Beaker, with 3-Dripless Spout, 50~1,000㎖

Light Weight, Translucent, Autoclavable, 125/140℃ Stable, **트리콘 비커**

■ ***Supplied by SciLab Korea*** ■ ***재사용 가능한 투명한 PP비커***
∗ Tough, Unbreakable and Suitable for Use with Commonly Used Acids, Alkalies and Solvents.
∗ Reusable Mould Graduated

〈L1〉

		Ea.	Price, ₩	Pk.	Price, ₩
SL.Bea3121	Beaker, Tricorn, PP, 50 / 5㎖ , Φ47×h57mm	460		100ea	39,690
SL.Bea3122	, 100 / 10㎖ , Φ58×h70mm	610		100ea	52,890
SL.Bea3123	, 250 / 10㎖ , Φ75×h88mm	840		100ea	74,950
SL.Bea3124	, 400 / 20㎖ , Φ85×h110mm	920		100ea	81,670
SL.Bea3125	, 800 / 50㎖ , Φ105×h137mm	1,270		100ea	112,770
SL.Bea3126	, 1,000 / 50㎖, Φ115×h143mm	1,710		100ea	155,540



Kartell® PP Precision Blue-graduated Beaker, Hi-Transparency, 10~5,000㎖

With Spout, Autoclavable, −10℃+125/140℃, <Italy-Made> PP **정밀 청색눈금/고품질 비커**

■ ***Made of Polypropylene(PP)*** ■ ***Ideal for Foodstuff.*** ■ ***Excellent Chemical Resistant.***
∗ Fine-Precision/Permanent Graduation : Tol ±10%

〈L1〉

		Ea.	Price, ₩	Pk.	Price, ₩
VI.605.081	Beaker, PP, 10 / 2㎖ , Φ25×h35mm	1,980		12ea	22,750
KA.1821	, 25 / 1㎖ , Φ34×h49mm	1,650		20ea	31,870
KA.1822	, 50 / 2㎖ , Φ41×h60mm	1,950		20ea	37,470
KA.1823	, 100 / 5㎖ , Φ51×h72mm	2,040		12ea	23,640
KA.1824	, 250 / 10㎖ , Φ71×h95mm	2,590		16ea	39,850
VI.611.081	, 400 / 50㎖ , Φ77×h109mm	3,330		6ea	19,360
KA.1825	, 500 / 10㎖ , Φ87×h119mm	4,120		12ea	47,700
KA.1826	, 1,000 / 20㎖ , Φ109×h147mm	7,920		4ea	30,680
KA.1827	, 2,000 / 50㎖ , Φ132×h183.5mm	10,890		4ea	42,220
KA.818	, 3,000 / 500㎖, Φ158×h201mm	27,040		2ea	52,440
KA.819	, 5,000 / 500㎖, Φ188.5×h229mm	40,750		2ea	79,070

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



Kartell® PMP Crystal-Clear Beaker, Precision-graduated, Heavy-duty, 10~5,000㎖
With Safety Spout, ISO/BS, 0℃~150/180℃, <Italy-Made> PMP 정밀눈금형 투명 비커, 고급형

■ ***Ideal for Foodstuff.*** ＊Made of Polymethylpentene(PMP).
＊0℃~180℃ Heat-resistant. ＊Excellent Chemical Resistance ＊Uniform Wall Thickness
※ **Transparent : Clear Glass ≥ SAN ≥ PS ≥ PMP ≥ PP/PE.**

〈L1〉

			Ea.	Price, ₩	Pk.	Price, ₩
VI.605.03	Beaker, PMP, 10 / 2㎖	, Φ25×h35mm	2,500		12ea	28,970
KA.1541	, 25 / 1㎖	, Φ31×h47mm	3,350		20ea	64,820
KA.1542	, 50 / 2㎖	, Φ40×h60mm	4,380		20ea	84,770
KA.1543	, 100 / 5㎖	, Φ49×h70mm	4,580		12ea	53,200
KA.1545	, 250 / 10㎖	, Φ68×h94mm	5,640		16ea	87,320
KA.1546	, 500 / 10㎖	, Φ88×h122mm	10,090		12ea	117,250
KA.1548	, 1,000 / 20㎖	, Φ102×h149mm	13,370		4ea	51,820
KA.1549	, 2,000 / 50㎖	, Φ133×h183mm	20,240		4ea	78,490
KA.1330	, 3,000 / 500㎖	, Φ174×h214mm	30,750		2ea	59,650
KA.1331	, 5,000 / 500㎖	, Φ190×h228mm	52,200		2ea	101,270



PMP Crystal-Clear Handle Beaker, Mould-graduated, 100~5,000㎖
Made of Polymethylpentene(TPX), Autoclavable, 0℃~180℃, PMP 투명 핸들 비커, 몰드눈금

〈L2〉

＊PMP Material with Excellent Chemical Resistance

			Ea.	Price, ₩
SL.Bea3021	Beaker, PMP(TPX), with Handle, 100 / 10㎖	, Φ55.5×h70mm		4,290
SL.Bea3023	, 300 / 25㎖	, Φ76.5×h94.5mm		8,950
SL.Bea3024	, 500 / 50㎖	, Φ89×h117mm		11,130
SL.Bea3025	, 1,000 / 50㎖	, Φ108×h151mm		17,350
SL.Bea3026	, 2,000 / 100㎖	, Φ135×h191mm		25,340
SL.Bea3027	, 3,000 / 200㎖	, Φ149×h222mm		41,320
SL.Bea3028	, 5,000 / 200㎖	, Φ168×h260mm		56,090





SciLab® Pure PFA Beaker, Good Transparency, Wide Rim-type, Mould-Graduated, 50~1,000㎖
Excellent Resistance to Chemicals · Corrosion · High Temp, −200℃+280℃ Stable, PFA 비커, 투명

■ ***Made in Korea*** ■ ***Special Feature of Transparent PFA(PerFluoroAlkoxy Copolymer)***
＊PFA; Uniquely Transparent Goods in the Range of the Fluoro Copolymer Resins. ＊Autoclavable
＊Ultrapure and Non-Contaminating. ＊Ideal for Valuable and Highly Reactive Chemical Supplies.
＊Super Smooth Internal Finish and pouring Spout. ＊Sterilized by All Usual Means except Gamma Radiation.
＊Virtually Chemically Inert, Excellent Chemical Stability against Practically All Chemicals.

〈L1〉

(1) Standard-type PFA Beaker, With Spout

			Ea.	Price, ₩
SL.Bea4011	Beaker, PFA, 50 / 10㎖	, Φ40×h63mm		30,000
SL.Bea4012	, 100 / 20㎖	, Φ52×h75mm		42,000
SL.Bea4013	, 250 / 50㎖	, Φ72×h98mm		72,000
SL.Bea4014	, 500 / 100㎖	, Φ91×h125mm		111,000
SL.Bea4017	, 1,000 / 100㎖	, Φ107×h148mm		198,000

(2) Handle-type PFA Beaker, With Spout

			Ea.	Price, ₩
SL.Bea4024	Beaker, PFA, 500 / 100㎖	, Φ91×h125mm with Handle		227,700
SL.Bea4027	, 1,000 / 100㎖	, Φ107×h148mm with Handle		363,000



PTFE Beaker, Opaque, with Spout, Anti-adhesive Surface, 30~2,000㎖
Excellent Resistance to Chemicals · Corrosion · High Temp, −200℃+280℃, PTFE 비커, 불투명

■ ***Supplied by SciLab Korea*** ■ ***PTFE : PolyTetraFluoroEthylene Copolymer*** ■ ***Autoclavable***
■ ***Virtually Chemically Inert, Excellent Chemical stability against Practically All Chemicals.***
＊Flat-base with Good Heat Transfer & Non-Contaminating. ＊UV Protection

〈L1〉

			Ea.	Price, ₩
SL.Bea4030	Beaker, PTFE, 30㎖	, Φ37×h52mm		6,800
SL.Bea4031	, 50㎖	, Φ47×h57mm		7,830
SL.Bea4032	, 100㎖	, Φ56×h72mm		10,200
SL.Bea4033	, 150㎖	, Φ62×h77mm		16,330
SL.Bea4034	, 250㎖	, Φ69×h97mm		24,440
SL.Bea4035	, 400㎖	, Φ79×h111mm		36,650
SL.Bea4036	, 500㎖	, Φ81×h129mm		40,700
SL.Bea4037	, 1,000㎖	, Φ102×h155mm		88,850
SL.Bea4038	, 2,000㎖	, Φ148×h167mm		203,470

Articles	Cat. No	Description





Kartell® PP & PMP Conical Measure Beaker, Precise Graduation, 100~1,000㎖

Suitable for Precise Measuring Than Normal Beaker, <Italy-Made> **액량컵, 정밀 눈금부**

(1) PP-model, Translucent

＊-10℃+125/140℃ Stable　＊Autoclavable

〈L1〉

		Ea.	Price,₩	Cs.	Price,₩
KA.422	Cylinder, Conical, PP, 100 / 2㎖ , h120mm		7,350	12ea	85,480
KA.423	, 250 / 5㎖ , h160mm		9,790	18ea	170,750
KA.424	, 500 / 10㎖ , h180mm		12,140	8ea	94,120
KA.425	, 1000 / 20㎖, h270mm		25,580	3ea	74,420

(2) PMP-model, Crystal Clear

＊0℃~180℃ Stable, Autoclavable　＊Transparent : PMP > PP

		Ea.	Price,₩	Cs.	Price,₩
KA.1422	Cylinder, Conical, PMP, 100 / 2㎖ , h120mm		11,950	12ea	138,990
KA.1423	, 250 / 5㎖ , h160mm		17,730	18ea	309,390
KA.1424	, 500 / 10㎖ , h180mm		23,170	8ea	179,750
KA.1425	, 1000 / 20㎖, h270mm		50,690	3ea	147,500

, *Plastic-Samplers* 비커



Burkle® Polypropylene Chemistry Beaker Sampler, Φ20mm, L100cm Rod

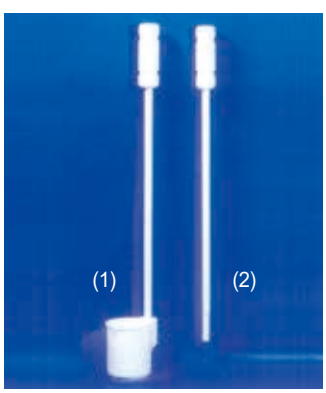
Ideal for Chemistry, without Metal Parts, 250 · 600 · 1000㎖, <Germany-Made> **화학물질 샘플러**

＊Scoop for aggressive liquids, complete with strong handle, entirely made of polypropylene
＊-10℃+125/140℃

▶ **Rod Φ20mm, Length 100cm**　▶ **without Metal Parts**

〈L1〉

		Ea.	Price, ₩	Cs.	Price, ₩
BK.5353.0250	Scoop Sampler, PP, 250㎖		164,180	10ea	
BK.5353.0500	, 600㎖		169,970	10ea	
BK.5353.1000	, 1000㎖		174,190	10ea	



Cowie® PTFE Dipper, with a Screw in PTFE Encapsulated Steel Shaft(60cm), 100~1,000㎖

Ideal for Sampling the Most Aggressive Media, −200℃+280℃ Stable, <UK-Made> PTFE **디퍼**

＊Totally Chemically Inert with Super Smooth Finished
＊Ideal for Sampling the Most Aggressive Media
＊Basic Container with a Screw in PTFE Encapsulated Steel Shaft.
＊Shafts have a Steel Core, Fully Encapsulated in PTFE, for Rigidity
＊Additional Shafts can be Purchased Separately to Increase Length, Shaft Length 600mm

〈L1〉

		Ea.	Price, ₩
CW.036.100	(1) Dipper, PTFE, 60cm Handle Shaft, 100㎖ , Φ54mm		170,240
CW.036.250	, 250㎖ , Φ66mm		207,240
CW.036.500	, 500㎖ , Φ80mm		238,640
CW.036.1000	, 1,000㎖, Φ100mm		271,990
CW.036.001	(2) Additional Extension Shaft / Handle, PTFE Handle, Length 60cm, for Extension		114,030

, *Stainless-steel* 비커



(1) With Handle



(2) Without Handle

SciLab® Stainless-steel Beaker, with Mould Scale, 100~5,000㎖

With Spout, With or Without Handle, **스텐비커, 몰드눈금**

■ ***Made in Korea***　＊Made of Stainless-steel(SS)＃304　＊Inner & Outer Gradation

〈L1〉

(1) With Handle, 500~5,000㎖

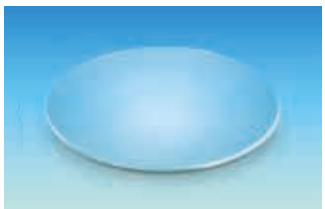
		dh pk.	Price, ₩	Cs.	Price, ₩
SL.Bea7011	Beaker, SS, with handle, 500 / 50㎖ , Φ75×h120mm	1ea	11,430	10ea	
SL.Bea7012	, 1,000 / 50㎖, Φ98×h155mm	1ea	16,830	10ea	
SL.Bea7013	, 2,000 / 50㎖, Φ135×h165mm	1ea	23,000	4ea	
SL.Bea7014	, 3,000 / 50㎖, Φ156×h179mm	1ea	30,600	2ea	
SL.Bea7015	, 5,000 / 50㎖, Φ176×h213mm	1ea	40,400	2ea	

(2) Without Handle, 100~5,000㎖

		dh pk.	Price, ₩	Cs.	Price, ₩
SL.Bea7021	Beaker, SS, without handle, 100 / 50㎖ , Φ54×h59mm	1ea	6,050	10ea	
SL.Bea7022	, 200 / 50㎖ , Φ66×h86mm	1ea	6,690	10ea	
SL.Bea7023	, 300 / 50㎖ , Φ70×h97mm	1ea	7,330	10ea	
SL.Bea7024	, 500 / 50㎖ , Φ75×h120mm	1ea	9,490	10ea	
SL.Bea7025	, 1,000 / 50㎖, Φ98×h155mm	1ea	14,850	10ea	
SL.Bea7026	, 2,000 / 50㎖, Φ135×h165mm	1ea	21,070	4ea	
SL.Bea7027	, 3,000 / 50㎖, Φ156×h179mm	1ea	28,600	2ea	
SL.Bea7028	, 5,000 / 50㎖, Φ176×h213mm	1ea	38,400	2ea	

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description

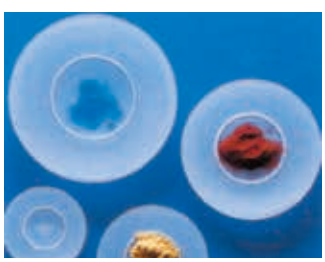


Watch Glass of Soda-Lime Glass & Boro 3.3, Φ45mm~Φ250mm, Good for Beaker 25~10,000㎖
글라스 시계접시, 소다글라스 & 보로글라스 3.3

■ ***45mm~Φ180mm : Soda-Lime Glass, Non-Autoclavable***
■ ***Φ200mm & Φ250mm : DURAN® Boro 3.3, Autoclavable***

〈L1〉

Cat. No.	Glass	Dia. Φmm	Ea. Price, ₩	Cs.	Price, ₩
SL.Gla1021	Soda-Lime	Φ45mm	-	10ea	6,120
SL.Gla1022	Soda-Lime	Φ50mm	-	10ea	6,990
SL.Gla1023	Soda-Lime	Φ60mm	-	10ea	7,280
SL.Gla1024	Soda-Lime	Φ70mm	-	10ea	7,960
SL.Gla1025	Soda-Lime	Φ80mm	-	10ea	10,480
SL.Gla1026	Soda-Lime	Φ90mm	-	10ea	11,940
SL.Gla1027	Soda-Lime	Φ100mm	-	10ea	13,780
SL.Gla1028	Soda-Lime	Φ120mm	1,480	10ea	14,360
SL.Gla1029	Soda-Lime	Φ150mm	1,750	10ea	16,980
SL.Gla1030	Soda-Lime	Φ180mm	2,680	10ea	26,000
DU.2132161	DURAN® Boro 3.3	Φ200mm	51,380	10ea	498,280
DU.2132166	DURAN® Boro 3.3	Φ250mm	-	1ea	129,140



Kartell® PP Watch Glass, Translucent, Autoclavable, Φ60mm~Φ125mm
With Stable Base, −10℃+125/140℃ Stable, <Italy-Made> PP 대중형 시계접시, 투명

〈L1〉

∗ Made of Polypropylene(PP)

			Ea. Price,₩	Pk.	Price, ₩
KA.452	Watch Glass, PP, Φ60mm	, Fit Beaker - 100㎖	2,640	10ea	25,580
KA.454	, Φ80mm ,	- 250㎖	3,320	10ea	32,120
KA.455	, Φ100mm,	- 500㎖	4,120	10ea	39,800
KA.456	, Φ125mm,	- 1000㎖	4,950	10ea	47,940



Cowie® PTFE Teflon Watch Glass, Autoclavable, Φ30mm~Φ200mm
Ideal for Covering Beakers, −200℃+280℃ Stable, <UK-Made> PTFE 내열/내약품성 시계접시

〈L1〉

∗ Ideal for Covering Beakers During Digestions and for Spotting out

			Ea.	Price, ₩
CW.013.030	Watch Glass, PTFE, Φ30 mm	, Fit Beaker - 5~10㎖		6,390
CW.013.040	, Φ40 mm ,	- 25㎖		7,780
CW.013.050	, Φ50 mm ,	- 50㎖		8,340
CW.013.065	, Φ65 mm ,	- 100㎖		9,190
CW.013.075	, Φ75 mm ,	- 150㎖		10,000
CW.013.080	, Φ80 mm ,	- 250㎖		10,300
CW.013.100	, Φ100 mm,	- 400~500㎖		14,290
CW.013.125	, Φ125 mm,	- 600~1000㎖		22,230
CW.013.150	, Φ150 mm,	- 2000㎖		34,750
CW.013.200	, Φ200 mm,	- 5000㎖		59,690

Articles	Cat. No	Description



DURAN® Multi-use Silicone Lid, 2 Colors for Identification, S · M · L · XL-size, Autoclavable
Ideal for Sealing & Covering Beakers, Cylinders, Flasks &c., −40℃+180℃, **범용 실리콘 커버**

■ Supplied by DURAN® in Germany
■ 다양한 사이즈의 비커, 실린더, 플라스크 등의 용기류에 내용물을 편리하고, 안전하고, 위생적으로 보관하기 위한 범용 실리콘 커버
∗ Dish washer Resistant ∗ Excellent Stretchability ∗ Reusable
∗ Please Note that Prolonged Exposure to a Solvent will Cause Swelling of the Material.
∗ XL Size is not included in Set(DU.29110001 & DU.29110002)

〈L1〉

Size	Opening Diameter (mm)	Suitable for Beaker	Pink		Blue	
			Cat. No.	Ea. Price, ₩	Cat. No.	Ea. Price, ₩
S	Φ43~61mm	50~100㎖	**DU.29110111**	4,890	**DU.29110112**	4,890
M	Φ64~76mm	150~250㎖	**DU.29110211**	6,420	**DU.29110212**	6,420
L	Φ84~116mm	400~600㎖	**DU.29110311**	8,050	**DU.29110312**	8,050
XL	Φ102~116mm	800~1000㎖	**DU.29110411** NEW	11,530	**DU.29110412** NEW	11,530
Set (S / M / L)			**DU.29110001**	17,220	**DU.29110002**	17,220



SciLab® Handy Heat Protector-Glove, Made of Silicone Rubber, −40℃+250℃
For Safe Gripping Hot or Very Cold Beaker · Bottle · Flask &c., **내열 보호대-장갑**

■ Supplied by SciLab Korea ***■ 내열성이 우수하여 저온·고온의 실험기구를 안전하게 잡는데 사용***
∗ with Φ6mm Hole Tabs for Hanging ∗ Free Size : Can be worn on all hands
∗ For Safely Gripping Hot or Very Cold beakers / Bottles / Flasks / Others
∗ Durability, Good Gripping ∗ Anti-Skid Surface Treatment

〈L1〉

		Ea. Price, ₩
SL.Glo6011	Hand Protector, Red Silicone, 98×188mm	11,890
SL.Glo6012	, White Silicone, 98×180mm	11,890



SciLab® Beaker Safety Tong, Stainless-steel, for 100㎖~1,000㎖ Beaker
With Bio-insulating Jaw, L350mm, **비커 집게**

■ Made in Korea ***■ Jaw부분에 가열된 실험기구를 안전하게 홀딩할 수 있도록 단열 재질로 커버되어있음***

〈L1〉

∗ 18/10 Non-magnetic Stainless-steel(SS) with Bio Insulating Jaw for Use in Heated Labwares

		Ea. Price, ₩
SL.Ton7011	Tong, for Beaker, Stainless-steel, L350mm	11,390



Bochem® Premium Stainless-steel Heavy-duty Beaker Tong, Non-magnetic, L250mm
With Silicone Covered 3-prongs of 6mm(t), Polished Surface, **비자성 스텐 비커 집게**

■ Supplied by Bochem® in Germany
■ 가열된 실험기구를 안전하게 홀딩 할 수 있도록 실리콘 커버가 되어있음

〈L1〉

∗ Made of Non-Magnetic 18/10 Stainless-steel(SS), Polished, Melt-point 1,400℃

		Ea. Price, ₩
BC.2200	Beaker Tong, Stainless-steel 3-prong, L250mm	44,850



SciLab® Stainless-steel Beaker Carrier, with Double Wire Handle, for 100~500㎖
For Carrying up to 12 Beakers, Φ60mm~Φ100mm, **스텐선 비커 운반대**

■ Made in Korea
∗ Capacity : Φ60mm(about 100㎖) Bottle - 12ea, Φ90mm(about 250㎖) Bottle - 12ea
Φ100mm(about 500㎖) Bottle - 12ea

〈L1〉

		Ea. Price, ₩
SL.Rac7025	Beaker Carrier, SS, Φ60mm×12ea , 280×380×h92mm, for 100㎖	90,800
SL.Rac7026	, Φ90mm×12ea , 328×440×h92mm, for 250㎖	97,000
SL.Rac7027	, Φ100mm×12ea, 354×475×h92mm, for 500㎖	105,400

※ The Price(VAT is extra) for Korean End-user, and Changeable.

DAIHAN® Bag/Sample Mixer "BLE-400", Lab Stomacher, Digital Controller, Low Noise, for 330~1,620㎖ Bags

Max 400㎖ Blending Capacity, Adjustable Pedal Distance, 10 Level Speed Adjustment, 백 믹서/무균 시료 분쇄기, 미생물 실험 전처리

CE

2-Year Warranty





Pedal Distance Adjust Gauge

- ■ *Made in Korea* ■ *CE Certified* ■ *PL(Product Liability) Insurance*
- ■ *with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System*
- ■ *Food Microbiology, Veterinary, Clinical, Pharmaceutical, Molecular Extraction, Toxin Research, Environmental Analyses*
- ■ *10 Level Motor Speed Adjusting Function* ■ *Low Noise by Innovative Rail System*
- ■ *Ergonomic Door Lever : Easy to Open & Close* ■ *Power Stomaching Mechanism*

* Diversified Choices of Bags : 330 ~ 1,620㎖ Bags(Max 400㎖ Blending Capacity)
* For Blending and Filtering Solid Samples for Microbiological Analysis.
* Pedal Distance Adjust Function Ensure Quick and Precise Sterile Blending of Samples
* Multifunction Digital Control Display for Monitoring Operating Condition, Speed, Time
* Easy Cleaning Pedals
* Wide Angle Door Open by Free Stop Torque Hinge
* Lever-type Ergonomic Door Handle
* Powerful Blending by 10:1 Gear and Powerful BLDC Motor

Specifications & Ordering Information <L1>

Spec. \ Model		"BLE-400"
Capacity		330㎖ ~ 1620㎖ Bag
Blending Capacity		Max. 400㎖
Speed		1~10 Level (1~8 strokes/sec)
Pedal Distance Adjustment		0 ~ 45mm
Display & Controller		Digital LCD with Back Light / Digital Controller
Timer, Alarm		Timer: Continuous & 0~99min 59sec, Alarm: Error status & Timer-end
Motor, Transmission		100W, 1/10 Ratio
Door		Viewing Window Type
Material		Pedal : Stainless-steel(SS304), External : Powder Coated Steel, Window : Acrylic
Dimensions(w×d×h mm) & Weight		250×474×h264mm, 18kg
Packing Size(w×d×h mm)		380×580×h470mm
Gross Weight		19kg
Power Consumption		160W
Power Supply		AC 100V~220V, 50/60Hz
Cat. No.	220V	DH.Ble0400
Price, Each. ₩		2,850,000

(1) Plain type
190×300mm



(2) Filter type
190×300mm



(3) Filter & Wire type
190×300mm

(4) Wire type
190×300mm



(5) Wire type
150×230mm



(6) Filter & Wire type
150×230mm

Sterile Sample Bags for Sample Mixer <L2>

Model		3001	3002	3003	3004	1523W	1523FW
Volume		Up to 1,620㎖				Up to 710㎖	
Sterilization		Gamma Sterilization					
Thickness		0.1mm				0.09mm	
Filter	Type	None	Lateral	Lateral	None	None	Lateral
	Porosity	5~150㎛					
	Material	None	Non-woven	Non-woven	None	None	Non-woven
Bag	Size	190×300mm				150×230mm	
	Material	PE	PE+Nylon	PE+Nylon	PE	PE	PE+Nylon

		Pk.	Price, ₩	Cs.	Price, ₩
DH.Bag3001	(1) Sterile Bag, 190×h300mm, 1620㎖, Plain type	50ea	9,790	10pk	90,630
DH.Bag3002	(2) , Filter type	50ea	17,630	10pk	163,130
DH.Bag3003	(3) , Filter & Wire type	50ea	31,330	10pk	290,000
DH.Bag3004	(4) , Wire type	50ea	27,420	5pk	126,880
3M.06.1523W	(5) , 150×230mm, 710㎖, Wire type			500ea	156,250
3M.06.1523FW	(6) , Filter & Wire type			250ea	226,570

How to use Sample Bag



1. Upon the requirement, write down the sample information on the bag.



2.Tear the upper part of bag along the perforated line.



3. Open the bag by grabbing tabs.



4. Insert the sample into the bag.



5. Grab the end of wire and roll the bag 2 or 3 times.



6. Fold the end of wire to fix the closing of bag.



7. Insert the sample bag into the blender.

Articles	Cat. No	Description



(1)

Hanil® Multi Function Blender with Grinder, with Powerful RED Motor, 600~3,200㎖
With Durable Titanium Blade, KTR & KETI Certification, 블렌더

- ***Supplied by DAIHAN Korea***
- ***Electronic Safety Certification By KTR(Korea Testing & Research Institute), KETI(Korea Electronics Technology Institute)***
- ***Powerful RED(Reinforced, Efficiency, Durability)Motor & Durable Titanium Blade***
- ***Useful Multi Function : Mixer, Grinding, Mincing***
- ***Easy to Use and Simple Design***

(1) Stainless-steel Hand Blender, 800㎖

NEW



(2)

* Included Chopping Blade 1Ea
* Poly Carbonate Mixer Cup 800㎖ with Cover
* Poly Carbonate Chop Cup : 800㎖
* Mixer / Chopping
* Consumption of Electrical Motor Power 250W
* Rated Voltage 220V, 60Hz
* weight : 1.6kg

※ 운임 별도 〈B4〉

Pk.	Price, ₩
1ea	71,350

H2.HHM800 Hand Blender, 800㎖

(2) Small Blender with Grinder, 600㎖ NEW



(3)

* Glass Mixer Cup : 600㎖, Glass Grinding Cup : 300㎖
* Mixer / Grinding
* Stainless Blade SUS304
* 4-Step Speed Control Jog-Dial
* Consumption of Electrical Motor Power 300W
* Rated Voltage 220V, 60Hz
* weight : 2.2kg

※ 운임 별도

Pk.	Price, ₩
1ea	48,050

H2.SGMF600 Blender with Grinder, Small, 600㎖

(3) Middle Volume Blender with Grinder, 1,600㎖



(4)

* Glass Mixer Cup : 1,600㎖, Glass Grinding Cup : 100㎖
* Mixer / Grinding
* Safety Design
* 4-Step Speed Control Jog-Dial
* Consumption of Electrical Motor Power 320W
* Rated Voltage 220V, 60Hz
* weight : 5kg

※ 운임 별도

Pk.	Price, ₩
1ea	87,360

H2.HMF1600PB Blender with Grinder, Middle Volume, 1,600㎖

(4) Premium Blender with Grinder, 3,200㎖

* Stainless-steel Mixer Cup with Transparent window : 3,200㎖
* Mixer / Grinding
* Safety Design
* 3-Step Speed Control Button
* Consumption of Electrical Motor Power 320W
* Rated Voltage 220V, 60Hz
* weight : 3.7kg

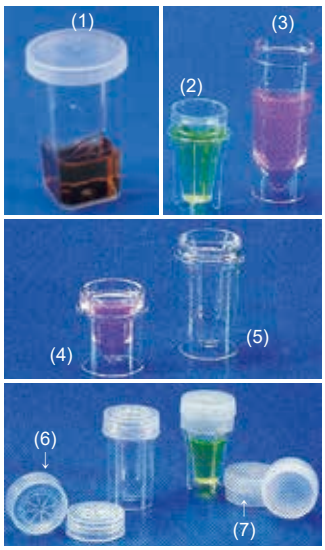
※ 운임 별도

Pk.	Price, ₩
1ea	135,410

H2.HMF3250S Blender with Grinder, Big Size, Stainless-steel, 3,200㎖

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



Kartell® PS Blood Sample Cup for Auto Blood Measurements
Disposable, −10℃+70/80℃, <Italy-Made> 혈액 분석 장비용 샘플 컵

1. Coulter® 20㎖ Blood Cell Counter Cup, with PE Snap Cap

〈L1〉

		Pk.	Price, ₩
KA.936	(1) Blood Counter Cup, 20㎖, Φ30×h55mm, for Toa® & Royco-Hycel®	200ea	51,450

2. Blood Sample Cups, without Cap, Caps sold Separately

∗ for Technicon® / Contrifichem® / Technicon® / Backman® / Genseac® / Konelab®

		Pk.	Price, ₩
KA.2503	(2) Sample Cup, for Technicon® & Konelab®, 1.5㎖, Φ13.9×h24.7mm	1000ea	33,440
KA.2508	(3) , 4.0㎖, Φ17.26×h37.9mm	1000ea	57,400
KA.2510	(4) , for Contrifichem®, 0.25㎖, Φ14×h16mm	1000ea	38,730
KA.2511	(5) , for Technicon® & Backman® & Genseac®, 0.50㎖, Φ13.55×h24.5mm	1000ea	33,550

Optional PE Cap for the Sample Cups, −40℃+80/90℃ Stable

		Pk.	Price, ₩
KA.2512	(6) Cap, for 2510 / 2511 Cups, Φ15.7×h5.9mm	1000ea	29,870
KA.2514	(7) Push-On Cap, for 2503 / 2510 / 2511 Cups, Φ16×h8.5mm	1000ea	38,250



mediclin® 2~3㎖ PS Disposable Blood Sample Cup, for Hitachi™ Analyzer, Glassy-Clear
Ideal for Sample Analysis & Clinical Pathology Testing, CE Certified, 히타치 혈액분석 장비용 샘플 컵

■ ***Supplied by DAIHAN Korea***
■ ***히타치 타입 혈액분석용 샘플 컵*** ■ ***CE Certified***
∗ Made of Polystylene(PS), −10℃+70/80℃ Stable ∗ Glassy-Clear ∗ Disposable
∗ with Conical Interior & Self-Standing Bottom ∗ Non-Autoclavable

〈M1〉

		Pk.	Price, ₩
DM.Cup3101	Blood Sample Cup, Hitachi™, PS, Φ16×h38mm	500ea	12,930



Optional Cap/Stopper

Simport® PS 2.5㎖ Sample Tube for Roche Cobas® Analyzer, Φ12.7×h75mm
With Graduated False Bottom, Self-standing, Barcode Label Areas, PS 샘플튜브, 로슈코바스® 진단분석기용

■ ***Supplied by Simport® in Canada***
■ ***Made of Polystyrene*** ■ ***로슈코바스 진단분석기용 샘플튜브***
∗ Used with the Roche Cobas Analyzer ∗ Perfect Clarity for Easy Viewing of Contents
∗ Caps Can be Ordered Separately

〈L1〉

		Pk.	Price, ₩	Cs.	Price, ₩
SP.B721.1	Sample Tube, for Roche Cobas, PS, 2.5㎖, Φ12.7×h75mm	1000ea	367,770	2pk	700,490
SL.Sto3701	**Optional Cap/Stopper**, Flange-type, PE, Red	1000ea	22,230	25pk	514,200
KA.88309	, Natural	1000ea	32,500	25pk	787,880



Kartell® PS Sample Cup for Enzyme Test System, Boehringer ES 300® / ES 600®
−10℃+70/80℃ Stable, <Italy-Made> PS 엔자임 샘플 컵

∗ for Enzyme Test ∗ Polystyrene(PS), Disposable

〈L1〉

		Pk.	Price, ₩
KA.2602	Enzyme -Test Sample Cup, 2.5㎖, Φ11×h40mm	500ea	24,800

Articles	Cat. No	Description



PE Disposable Serum Separating Tube, 10㎖, 혈청분리관

■ ***Made in Korea*** ∗ Made of PE(Polyethylene), -50℃+80/90℃ Stable
∗ For Sampling and Storage of Clinical Specimen

〈M4〉

		Pk.	Price, ₩
DM.Tub3005	Serum Separating Tube, 10㎖, Stem : Φ3×L100mm, Tube : Φ13×L120mm	200ea	9,380



1~50㎖ Single-use Medical Syringe PP, with Rubber Gasket & Needle, *Medicaluse*
Steriled, Individual Pack, PP 의료용 일회용주사기, 고무가스켓 부착형

■ ***Made in Korea*** ■ ***CE Certified*** ■ ***GMP(Good Manufacturing Practice) Certified*** ■ ***ISO9001 and ISO13485***
∗ Application : Rubber Gasket on the Plunger, Ideal for Medical ∗ Sterilized by E.O Gas
∗ Graduations PP-Barrel and PP-Plunger, Needle Included, Sterile Individual Packaging

〈M3〉

		Pk.	Price, ₩			Pk.	Price, ₩
DM.Syr3051	Slip Tip, 1 / 0.01㎖, 26G	100ea	7,470	**DM.Syr3055**	Slip Tip, 10 / 1㎖, 23G	100ea	12,120
DM.Syr3052	, 2 / 0.1㎖, 23G	100ea	7,040	**DM.Syr3056**	, 20 / 1㎖, 23G	50ea	9,670
DM.Syr3053	, 3 / 0.1㎖, 23G	100ea	7,040	**DM.Syr3057**	, 30 / 1㎖, 21G	50ea	15,040
DM.Syr3054	, 5 / 0.2㎖, 23G	100ea	8,420	**DM.Syr3058**	, 50 / 1㎖, 21G	25ea	9,250



1~50㎖ Filtered Single-use Medical Syringe PP, with Filter Needle, Rubber Gasket, *Medicaluse*
With 5㎛ Membrane Filter Needle, Steriled, Individual Pack, PP 의료용 필터주사기

■ ***Made in Korea***
■ ***필터주사침과 일반주사침이 같이 들어있는 주사기, 약액을 흡입시 필터 주사침으로 이물질을 걸러내고 일반 주사침으로 주사한다.***
■ ***CE Certified*** ■ ***GMP(Good Manufacturing Practice) Certified*** ■ ***ISO9001 and ISO13485***
∗ Application : Rubber Gasket on the Plunger, Ideal for Medical ∗ Sterilized by E.O Gas
∗ Graduations PP-Barrel and PP-Plunger, Filter Needle & Needle Included, Sterile Individual Packaging

〈M3〉

		Pk.	Price, ₩
DM.Syr3071	Syringe, Filter Needle, Slip Tip, 1 / 0.01㎖, 26G	100ea	29,540
DM.Syr3072	, 3 / 0.1㎖, 23G	100ea	29,470
DM.Syr3073	, 5 / 0.2㎖, 23G	100ea	29,540
DM.Syr3074	, 10 / 1㎖, 23G	100ea	29,630
DM.Syr3075	, 20 / 1㎖, 23G	50ea	16,570
DM.Syr3076	, 30 / 1㎖, 21G	50ea	18,290
DM.Syr3077	, 50 / 1㎖, 21G	25ea	9,250



Single-Use Medical Hypodermic Needle, Stainless-steel, 21~27 Gauge, *Medicaluse*
E.O Steriled, Individual Pack, <Korea-Made> 일회용 멸균 주사침 · 일반 주사침

■ ***국제 기준에 따른 세밀한 가공으로 부드러운 삽입 가능*** ■ ***CE, GMP, ISO9001 and ISO13485***

〈M3〉

		Pk.	Price, ₩
DM.Nee3001	Needle, Tip Φ0.81×L32 mm, 21G, Green	100ea	3,300
DM.Nee3002	, Tip Φ0.71×L32 mm, 22G, Black	100ea	3,300
DM.Nee3003	, Tip Φ0.64×L25 mm, 23G, Blue	100ea	3,300
DM.Nee3004	, Tip Φ0.56×L19 mm, 24G, Violet	100ea	3,300
DM.Nee3005	, Tip Φ0.51×L25 mm, 25G, Orange	100ea	3,300
DM.Nee3006	, Tip Φ0.46×L13 mm, 26G, Beige	100ea	3,300
DM.Nee3007	, Tip Φ0.41×L13 mm, 27G, Gray	100ea	3,300



Intravascular Catheter, with Needles, Individual EO Sterile Package, *Medicaluse*
Ideal for Short-term Medication Injection, Blood Collection, 혈관내튜브 · 정맥카테터


Comfortable Fit

■ ***Made in Korea*** ■ ***환자의 혈관에 단기간(24시간 이내) 삽입하여 약물 주입 및 혈액 채취에 사용됨***
■ ***Teflon 튜브재질로 환자의 혈관에 손상을 입히지 않고 채혈/수혈에 용이***
■ ***Complete Set with : (1) Herb Tube (K-Resin Herb/Teflon Tube), (2) Needle (K-Resin Herb/Stainless-steel Needle), (3) Case (PP)***
∗ Tube : Non-Toxic(무독성) · Non-Pyrogenic(비발열성) · Radiopaque Teflon(방사선 비투과 테프론)

〈M3〉

		Pk.	Price, ₩
DM.Ned0018	Intravascular Catheter, Sterile, with 18 Gauge Needle, Herb Tube-1.3×32mm	50ea	19,500
DM.Ned0020	, with 20 Gauge Needle, -1.1×32mm	50ea	19,340
DM.Ned0022	, with 22 Gauge Needle, -0.9×25mm	50ea	19,340
DM.Ned0024	, with 24 Gauge Needle, -0.7×19mm	50ea	18,530

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



LANZO® Adjustable Lancing Device for Blood Testing, 5 Depth Control, *Medicaluse*

Works with Lancets, Ideal for Blood Test, Avoid Infection, Safety, Φ16×L106mm, **채혈기/사혈기**

■ Made in Korea ■ CE Marked ■ 소량의 채혈 및 사혈을 위해 전용 침(란셋)을 넣어 사용하는 기구, 침 깊이 5단 조절

∗ Specially Designed for the Highest Comfort in Daily Diabetes Management
∗ Adjustable 5 depth Tip Settings for Personalized Comfort ∗ Painless and Hygienic

〈M4〉

		Ea.	Price, ₩
DM.Lan3001	Medical Blood Lancing Device, for Blood Test, Φ16×L106mm		3,130



Safety Sterile Lancet, with Safety Removable Twist Top, Blood Collection, Single Use, *Medicaluse*

3mm Depth Needle, Gauge 26G · 28G · 30G, **일회용 멸균 채혈침**

■ Made in Korea ■ 소량의 채혈 및 사혈을 위한 수동식 멸균침 ■ 안전한 트위스트형 보호캡

〈M4〉

∗ Designed for Comfortable, Easy Monitoring Your Daily Health.

		Pk.	Price,₩	Cs.	Price, ₩
DM.Lan7001	Safety Lancet, d3mm Needle, 26G	200ea	2,980	100pk	297,500
DM.Lan7002	, 28G	200ea	2,980	100pk	297,500
DM.Lan7003	, 30G	200ea	2,980	100pk	297,500



Mediland® Contagious Waste Box, PP, with Needle Remover & Safety Locking Lid, 1 & 2 Lit

Ideal for Storage and Disposal of Contagious Waste, −10℃+125/140℃, **감염성 폐기물 전용용기**

■ Made in Korea ■ Consist of Container, Needle Remover and Safety Locking Lid.

∗ Protect User from Contact with Needle and Contagious Waste.
∗ Marked with a Biohazard Symbol.
∗ Ideal for Safe Storage or Transport of Biohazard Waste.

〈M4〉

		Ea. Price,₩	Cs.	Price, ₩
M7.004	(1) Contagious Waste Box, 1Lit, 110×80× h130mm	2,880	30ea	79,690
M7.005	(2) , 2Lit, 140×95× h196mm	3,220	30ea	89,070



Moalab® Elastic Tourniquet, with One-touch Buckle, w35×L490mm, *Medicaluse*

Ideal for Blood Collection, Hemostatic, Re-usable, **원터치 토니켓/지혈대**

■ Made in Korea ■ CE Certified
■ 팔·다리 등 지혈 용도 또는 채혈·정맥주사시 혈관 압박용으로 사용
■ 원터치 버클 타입으로 한 손으로 사용이 가능하며 채혈이나 응급 상황에서 지혈에 용이

∗ Used for Infusion, Blood Collection, Hemostasis, First Aid
∗ Can Stop the Bleeding Quickly Emergency Conditions
∗ One-touch Tourniquet; Convenient and Quick to Use, Comfortable ∗ Reusable after Disinfection

〈M4〉

		Ea.	Price, ₩
DM.Tnq2001	One Touch Tourniquet, w35×L490mm, Blue		7,820



DURAN® Glass Lab Bottle, 10~50,000㎖



DURAN® YOUTILITY Lab Bottle System



Wisd™ PP Measure™ Lab Bottle / Opentop Cap / Septa

Bottles and Accessories

Bottles 바틀 ····· P. 71~104

- Aluminum Bottles ····· P. 71
- Aspiration Bottles *New* ····· P. 71~73
- B.O.D. Bottles ····· P. 73
- Butyrometers *New* ····· P. 74
- Centrifuge Bottles ····· P. 74
- Dropping Bottles ····· P. 75
- Drosophila Bottles ····· P. 89
- Glass-General Purpose ····· P. 76~77
  - -Lab / Culture *New* ····· P. 78
  - -Lab / Multiuse *New* ····· P. 79~83
  - -Lab / Piercing ····· P. 84
  - -Multiport Connection Caps *New* ····· P. 85~86
- HPLC Bottles ····· P. 87
- Plastic-Centrifuge ····· P. 74
  - -Culture *New* ····· P. 88
  - -Drosophila Bottles ····· P. 89
  - -Lab "PP" *New* ····· P. 89~93
  - -Lab & Clean Packaging "HDPE" ····· P. 94
  - -Multiuse ····· P. 95
  - -Sample Bottles ····· P. 96
  - -Teflon(Fluoro-Resin) Bottles ····· P. 97
- Serum Bottles ····· P. 98
- Specific Gravity / Pycnometer ····· P. 99
- Sprayers *New* ····· P. 99~101
- Stainless-steel Bottles ····· P. 71
- Washing Bottles *New* ····· P. 101~104
- Weighing Bottles ····· P. 104

Bottle Accessories ····· P. 105~108

Articles	Cat. No	Description



Burkle® UN-approval Aluminum Bottle, Un-Breakage, Seamless, 60~1,200㎖
With Safety PP Screwcap & Al-Inner Seal, Al-99.5%, UN 인증 안전 알루미늄 바틀

■ ***Made in Germany*** ■ ***Particularly Suited for Food and Safety Handling***
■ ***Ideal for Storing, Transport or Sending Substances and Reference Samples*** ■ ***Rustproof***
∗ Can be Completely Emptied without Residues & Odors ∗ Impervious to Light
∗ 99.5% Pure Aluminium with Tamper-evident PP Screwcap / AL-inner Seal
∗ UN-Approval : 1B1 / X / 250

〈L1〉

		Ea.	Price, ₩
BK.0327.0060	Aluminum Bottle, 60㎖ , Φ40×h88mm		5,340
BK.0327.0120	, 120㎖ , Φ57×h97mm		6,480
BK.0327.0300	, 300㎖ , Φ57×h160mm		8,550
BK.0327.0600	, 600㎖ , Φ74×h192mm		12,400
BK.0327.1200	, 1,200㎖, Φ88×h248mm		14,750



DURAN® UN-approval Stainless-steel Bottle 1.5Lit, with GL45 Cap & PTFE seal
Ideal for Hi-Pressure and Safe Storage & Transit, 0.5 bar, 500℃, UN인증 안전 스텐바틀

■ ***Supplied by DURAN® in Germany*** ■ ***1.4404 Rustproof Stainless-steel Bottle***
■ ***Particularly Suitable for Safe Storage as a packing container and for the Transport of Hazardous Substances & Chemicals.*** ■ ***UN-certification*** ■ ***Shatterproof***
■ ***GMP (Good Manufacturing Practice) and Pharmaceutically Compatible***
∗ Pressure and Temp. Resistance : up to 0.5 bar, and 500℃

〈L1〉

		Ea.	Price, ₩
DU.29901605	Stainless-steel Bottle, 1.5 ℓ, Φ120×h210mm, 812g		1,211,990

, Aspiration 아스피레이터 바틀



SciLab® 0.5~5Lit GL45 Dispenser Bottle, with GL18 Side-Arm for Solution Refill
Ideal for GL45 Bottle-Top Dispenser & Digital Burets, 디스펜서용 바틀

■ ***Supplied by SciLab Korea*** ■ ***Autoclavable*** ■ ***Boro-Glass 3.3 Graduated***
■ ***Custom-Made Available / 규격 외 Items 자유롭게 주문하세요!***
∗ Side Arm with GL18 Screwcap : Ideal for Solution Inlet & Outlet
∗ Top - GL45 Blue PP Screwcap, Side Arm - GL18 Red PBT Screwcap

※ **Note! When Autoclaving, Loosen Off the Screwcap!!**

〈L1〉

		Ea.	Price, ₩
SL.Bot2030	Dispenser Bottle, with GL45 Screwcap, 500㎖ , Φ86 ×h176mm		28,290
SL.Bot2031	, 1,000㎖, Φ101×h225mm		30,820
SL.Bot2032	, 2,000㎖, Φ136×h260mm		48,540
SL.Bot2033	, 5,000㎖, Φ183×h330mm		70,170



SciLab® 5~20Lit Glass Aspiration Bottle Set, Boro-Glass 3.3, GL45 Screwcap
With Graduation & PTFE Needle Stopcock/GL32 Screwcap, 글라스 증류수통/카보이

■ ***Supplied by SciLab Korea*** ■ ***Autoclavable***

※ **Note! When Autoclaving, Loosen Off the Screwcap!!**

〈L1〉

		Pk.	Price, ₩
SL.Bot2025	Bottle, Aspiration, 5Lit , Φ183×h330mm	1ea	209,430
SL.Bot2026	, 10Lit, Φ230×h410mm	1ea	310,500
SL.Bot2027	, 20Lit, Φ288×h505mm	1ea	445,680

Spare GL32 Draincork & PTFE/Silicone Gasket

		Ea.	Price, ₩
SL.Bot2023.1	Draincork, Bore 6mm, for 2Lit Bottle		84,550
WI.2414704R	, Bore 10mm, for 5 ~ 20Lit Bottle		121,650
DH.Cap3124	Open-Cap Only, PP, GL32, Bore-20mm, Φ37.6×h26mm	10ea	4,960
DU.2923612	PTFE / Silicone Gasket, GL32, Universal		15,340

Articles	Cat. No	Description



(1) Autoclavable PP ; 10 & 20Lit
(2) HDPE ; 5~50Lit



(3) Amber, HDPE Aspiration Bottle



(4) Screwcap



(5) Stopcock

SciLab® 5~50Lit PP and HDPE Chemical Resist Utility Aspiration Bottle

With PP Stopcock · Screwcap · Sturdy Handle, **내약품성 아스피레이터 바틀, 랩-다용도**

■ ***Made in Korea*** ■ ***Ideal for Bench Top Dispensing of Lab-Liquids & Distilled Water***
■ ***Good Resistance to Chemical Attack*** ■ ***PP Bottle ; Autoclavable***
■ ***Caps have Moulded Drill Guides for Easy Location of Probes and Feed-lines***
∗ Moulded Sturdy Handle for Safe and Secure Carrying
∗ Good Finished ∗ Stopcock Φ4mm Bore with PTFE O-Ring Seal
∗ The Cock is Attached to the Bottom Side for Convenience Using

(1) Autoclavable PP Aspiration Bottle, 10 & 20Lit, 0℃~125℃ Stable

※ **Note! When Autoclaving, Loosen Off the Screwcap!!**

〈L1〉

		Ea. Price, ₩
SL.Bot3202	Bottle, PP, Aspiration, White, 10Lit, Neck id-Φ70, Φ250×h460mm	29,590
SL.Bot3203	, 20Lit, Neck id-Φ95, Φ300×h555mm	35,700

(2) Natural HDPE Aspiration Bottle, 5~50Lit, −50℃+105℃ Stable

		Ea. Price, ₩
SL.Bot3102	Bottle, HDPE, Aspiration, White, 5Lit , Neck id-Φ70, Φ200×h360mm	22,800
SL.Bot3103	, 10Lit, -Φ70, Φ250×h460mm	27,000
SL.Bot3104	, 20Lit, -Φ95, Φ300×h555mm	31,000
SL.Bot3105	, 50Lit, -Φ95, Φ380×h700mm	61,500

(3) Amber HDPE Aspiration Bottle, 5~50Lit, −50℃+105℃ Stable

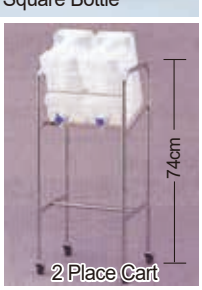
		Ea. Price, ₩
SL.Bot3106	Bottle, HDPE, Aspiration, Amber, 5Lit , Neck id-Φ70, Φ200×h360mm	26,500
SL.Bot3107	, 10Lit, -Φ70, Φ250×h460mm	32,800
SL.Bot3108	, 20Lit, -Φ95, Φ300×h555mm	37,800
SL.Bot3109	, 50Lit, -Φ95, Φ380×h700mm	73,000

Spare PP Screwcap & PP Stopcock with PTFE O-Ring Seal

		Ea. Price, ₩
SL.Bot3112	**(4) Screwcap**, for 5 & 10Lit Aspiration Bottle(neck id 70mm), Natural	4,200
SL.Bot3113	, for 20 & 50Lit Aspiration Bottle(neck id 95mm), Natural	4,200
SL.Bot3114	**(5) Stopcock with PTFE O-Ring**, for All HDPE Bottles 5~50Lit "SL.Bot3102~SL.Bot3109"	11,500
SL.Bot3117	**(5) Stopcock with PTFE O-Ring**, for PP Bottles 10&20Lit "SL.Bot3202 & SL.Bot3203"	9,500







5 & 10Lit PP Square Aspiration Bottle / Carboy, with Graduation & Lever Stopcock

With both Horizontal and Vertical Handles to Carry, PP **4각 바틀**

■ ***Supplied by SciLab Korea*** ∗ Mouth ID Φ43mm ∗ Graduation : 500㎖
∗ Material : Body·Stopcock / PP(Polypropylene), Cap / HDPE, O-Ring / EPDM (Ethylene Propylene Rubber)
∗ Stopcock Size : O.D./Φ40mm, Screw Dia./Φ42.4mm,Tip I.D./Φ8.5mm Tip O.D./Φ8.5mm

〈L2〉

		Ea. Price, ₩
SL.Bot3822	Bottle, PP, 95×250×h350mm , 5 / 0.5Lit	24,600
SL.Bot3823	, 175×250×h350mm, 10 / 0.5Lit	32,240
SL.Bot3813	**Spare PP Lever Stopcock**, Tap : id.Φ8.5mm/od.Φ12mm	10,630

Optional Stainless-steel Rack Cart, with "Stop-On" Casters

∗ Strong & Safety ∗ Bottle is Excluded
∗ Total Length / Under Bottle Bottom : 74/60cm

※ **운임 별도** 〈L3〉

		Ea. Price, ₩
C9.7431	Safety Rack Cart for 3×5Lit , 37×33×h60/74cm	303,880
C9.7432	2×10Lit, 47×33×h60/74cm	303,880



Kartell® 10 & 20Lit HDPE Rectangular Aspiration Bottle, Space-saving, Slim Tall-type

With Stopcock, Multi-use, −50℃+105/120℃, <Italy-Made> HDPE **4각형 아스피레이터 바틀**

∗ Bottle : HDPE(High Density Polyethylene), Non-autoclavable
∗ Screwcap : PP(Polypropylene), 140℃, Autoclavable
∗ Ideal for Space Saving, Sampling and Storage

〈L1〉

		Ea. Price, ₩
KA.1770	Bottle, Aspiration, HDPE, 10Lit, 300×160×h380mm	46,130
KA.1771	, 20Lit, 370×180×h470mm	51,540
KA.1772	**Spare Stopcock**, for Aspiration Bottles	7,620

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



10 & 20Lit PE Functional Water Aspiration Bottle, Square, with Stopcock · Handle · Screwcap
Allow Water Supply without Air Removal, PE 편리형 사각 아스피레이터 바틀

■ ***대광구로 손세척이 용이하고 운반 및 사용이 편리하고, 공간절약형 Square-Type.***
■ ***Easy Cleaning Inside with Large Screwcap Opening Mouth ID Φ11.8cm***
∗ Material : Body-PE(Polyethylene), Stopcock-HDPE & PP
Screwcap-PP(Polypropylene), Autoclavable
∗ Stopcock Tip Size : I.D Φ17mm / O.D Φ18mm



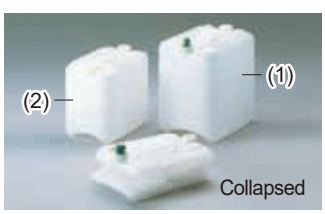
〈L2〉

		Ea.	Price, ₩
SL.Bot3411	Bottle, PE, Aspirat, 10Lit, 215×350×h255mm		31,920
SL.Bot3412	, 20Lit, 255×395×h320mm		33,430



10 & 20Lit PE Collapsible Aspiration Bottle, With/Without Stopcock, with Handle
Stackable, Semi Transparent, Neck id Φ33.5mm, PE 스토리지 접이식 바틀

∗ Comfortable Storage and Arrangement. ∗ Easy Transport by Molded-in Handle.
∗ Open/Close Smoothly and Easy to Control the Volume of Discharge.
∗ A Low Center of Gravity Design Provides a Great Stability.
∗ Label Area Size 10Lit(190×80mm), 20Lit(200×90mm)
∗ Material : Body · Lid · Stopcock-PE(polyethylene), Packing/Latex



〈L2〉

(1) With Stopcock, PE Collapsible Aspiration Bottle, with Handle

		Ea.	Price, ₩	Pk.	Price, ₩
SL.Bot3841	Aspirator Bottle, PE, Collapsible, 10Lit, 290×192×h263mm	21,780		24ea	522,170
SL.Bot3842	, 20Lit, 320×240×h325mm	25,000		18ea	449,620

(2) Without Stopcock, PE Collapsible Aspiration Bottle, with Handle

		Ea.	Price, ₩	Pk.	Price, ₩
SL.Bot3843	Aspirator Bottle, PE, Collapsible, 10Lit, 290×192×h263mm	20,150		24ea	483,340
SL.Bot3844	, 20Lit, 320×240×h325mm	23,390		18ea	420,600

, B.O.D. 비오디 바틀



(2) 300㎖ Clear B.O.D. Bottle

Glassco® B.O.D. Bottle, with Numbered, 60 & 300㎖
With Glass Pennyhead Stopper, B.O.D. 바틀

■ ***Bottles meet ASTM E-438 Type 1, Class A Borosilicate Glass specifications.***
∗ Ideal for Incubating Diluted Samples of Clean Water, Waster Water, Effluent Water and Polluted Water during the 5 day Biochemical Oxygen demand (BOD) Test.
∗ These BOD bottles feature a flared mouth to form a water seal to prevent the ingress of air during incubation.
∗ The interchangeable stoppers have a tapered bottom that also prevents air entrapment.
∗ Stopper joint is Compatible with the Probes of Leading BOD and DO meters.
∗ 300㎖ B.O.D. Bottle with Bar-Coded
∗ Manufactures from High-Quality Borosilicate Tubing
∗ with Large and Permanent Marking Squares

〈L1〉

(1) 60㎖ Clear B.O.D. Bottle

		Ea.	Price, ₩	Pk.	Price, ₩
GL.284.451.01A	Bottle, B.O.D., 60㎖, Φ42×h92 mm, No.01 ~ 36	15,440		36ea	538,640
GL.284.451.01B	, No.37 ~ 72	15,440		36ea	538,640
GL.284.451.01C	, No.73 ~ 108	15,440		36ea	538,640



(3) Stainless-steel Wire Rack

(2) 300㎖ Clear B.O.D. Bottle

		Ea.	Price, ₩	Pk.	Price, ₩
GL.284.456.02R	Bottle, B.O.D., 300㎖, Φ68×h138 mm, No.01 ~ 24	20,620		24ea	384,350
GL.284.456.02A	, No.25 ~ 48	20,620		24ea	384,350
GL.284.456.02B	, No.49 ~ 72	20,620		24ea	384,350
GL.284.456.02C	, No.73 ~ 96	20,620		24ea	479,550
GL.284.456.02D	, No.97 ~ 120	20,620		24ea	479,550
GL.284.456.02E	, No.121 ~ 144	20,620		24ea	479,550
GL.284.456.02F	Bottle, B.O.D., 300㎖, Φ68×h138 mm, No.145 ~ 168	20,620		24ea	479,550
GL.284.456.02G	, No.169 ~ 192	20,620		24ea	479,550
GL.284.456.02H	, No.193 ~ 216	20,620		24ea	479,550
GL.284.456.02I	, No.217 ~ 240	20,620		24ea	479,550

(3) Stainless-steel Wire Rack, For 12×300㎖ and 20×60㎖

		Ea.	Price, ₩
SL.Rac7111	Rack for B.O.D. Bottles, SS, 20×60㎖ , 340×220×h150 mm		46,200
SL.Rac7112	, 12×300㎖, 340×250×h195 mm		33,370



(4) Snap Fit Cap
for 300㎖ B.O.D. Bottle

(4) Snap Fit Cap for 300㎖ B.O.D. Bottle, PP, Autoclavable

		Ea.	Price, ₩	Pk.	Price, ₩
SL.Cap3091	Cap, Snap Fit, PP, for 300㎖ B.O.D. Bottle	840		10ea	7,980

Articles	Cat. No	Description


Butyro Meter

Butyro Meter, Gerber Test Bottle with Plug, for Milk Test, 1.125㎖ Graduated/90 Scales, 부티로미터

∗ Designed for Use in Food & Dairy Test.
∗ JISR3505 Standard Class A(No marked)
∗ Size : Φ24.5×L195mm, Capacity of Graduated Portion : 0.0125㎖

〈L2〉

Cat. No		Ea.	Price, ₩
SL.Met1081	Butyro Meter, for Barrel Type Plug, 1.125 / 0.0125㎖		47,150



Butyro Meter "Gerber", with Plug, Ideal for Measuring Fat Content, 0~70% Made of Natural Glass, 부티로미터

■ ***Supplied by SciLab Korea*** ∗ Suitable for Measuring Fat Content in Various Dairy Products, including Milk, Cream, and Butter.
∗ Measurement Range : from 0 to 70% ∗ Division : 1% ∗ Stopper Material : Chemigum
※ **Note! When Autoclaving, Loosen Off the Screwcap!!**

〈L1〉

Cat. No		Ea.	Price, ₩
SL.Met1084	Bytro Meter, Gerber, 70 / 1%		22,620
SL.Met1085	**Spare Stopper**, Chemigum		2,510

, Centrifuge 원심관(병)



30~100㎖ Oak Ridge High-Speed Centrifuge Tube, PP, with Silicone O-ring Sealed Screwcap Can Stable up to 50,000xg, Leak-Proof, PP 오크리지 고속 원심관

∗ Made of Polypropylene ∗ Can be Used up to 50,000xg
∗ Should not be Used below −4℃
∗ Screwcap is fitted with Silicone O-Ring Making it totally Leak-proof

〈L1〉

Cat. No		Ea.	Price, ₩	Pk.	Price, ₩
SL.Tub3370	Centri. Tube, PP, 30㎖ , Φ24×h91mm	2,670		12ea	29,190
SL.Tub3371	, 50㎖ , Φ27×h106mm	3,770		12ea	41,450
SL.Tub3372	, 100㎖, Φ37×h104mm	6,320		12ea	69,620



(1) For High Speed



(2) For Typical Use

250~1000㎖ PP Centrifuge Bottles, with Screwcap, Autoclavable, up to 13,700xg Excellent Chemical Resistance, Translucent, −10℃ to +125/140℃, PP 원심관(병)/大광구병

■ ***내구성, 내약품성 뛰어남*** ■ ***대한 및 각사의 로터(히타치 · 쿠보타 · 토미 · 베크 맨 · 코쿠산등)에 적합한 원심병***
■ ***Material : PP(Polypropylene Copolymer)***
∗ Ideal for Large - Volume Cell Harvesting, Pelleting and Protein Purification
∗ For Low - to Moderate-Speed Centrifugation of Biological and Chemical Samples
※ **Note! When Autoclaving, Loosen Off the Screwcap!!**

(1) For High Speed

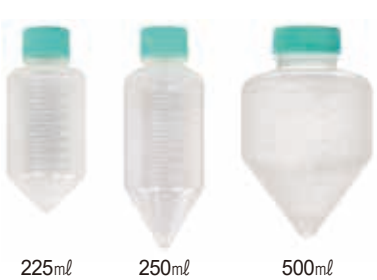
〈L2〉

Cat. No		dhPk.	Price, ₩	Pk.	Price, ₩
SL.Bot3871	Centrifuge Bottles, 250㎖, Φ61.8×125.2mm, 13,200xg	1ea	47,230	4ea	125,900
SL.Bot3873	, 500㎖, Φ69.5×170.2mm, 13,700xg	1ea	51,770	4ea	138,040

(2) For Typical Use

〈L1〉

Cat. No		Ea.	Price, ₩
DH.Cef250R.B1	Centrifuge Bottles, 250㎖ , Φ60.9×121mm, 3,582xg		29,330
DH.Cef500.B1	, 500㎖ , Φ91.9×115.5mm, 3,220xg		48,880
DH.Cef1000R.B2	, 1000㎖, Φ96.5×174mm, 4,100xg		97,750



Biofil® 225~500㎖ PP Conical Sterile Centrifuge Bottle, up to 7,500xg With Moulded Graduation, Autoclavable, 멸균/눈금 코니칼 원심관(병)

■ ***Manufactured in Class 100,000 Cleanroom with Materials Conforming to USP CLASS VI Standards under the Quality Control of ISO 13485 & 9001 and CE.***
■ ***Batch Certifications : Lot No. is Printed on Every Case (or Pack) for Quality Traceability.***
■ ***Very Popular Centrifuge Bottle in Sample Centrifuging and Storage***
∗ Autoclavable at 121℃ and Freezable to −196℃ ∗ Leak-proof ∗ ϒ-Sterile
∗ Bottle made of High Quality Gamma Resistant Polypropylene ∗ Plug Seal Cap made of Polyethylene
∗ Bottles are Packaged in Durable and Re-sealed Bags with Caps Attached
∗ RNase- & DNase-free, Non-pyrogenic
※ **Note! When Autoclaving, Loosen Off the PP Screwcap!!**

〈L1〉

Cat. No		Pk.	Price, ₩	Cs.	Price, ₩
J1.T012.225	Bottle, Centrifuge, PP, Conical, Φ61×h137mm, 225㎖	6ea	15,400	8pk	111,920
J1.T012.250	, Φ61×h161mm, 250㎖	6ea	17,620	8pk	127,930
J1.T041.500	, Φ95×h155mm, 500㎖ *New*	6ea	17,930	6pk	97,770

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



10 · 20 · 30㎖ Round Dropping Bottle, with PP Screwcap & Rubber Bulb

Made of Soda-Lime Glass, <Korea-Made> 원형 글라스 드로핑 바틀

〈L1〉

Dropping Bottle ㎖, Φ×h	(1) with Clear Glass				(2) with Amber Glass			
	Cat. No.	Ea. Price, ₩	Pk.	Price, ₩	Cat. No.	Ea. Price, ₩	Pk.	Price, ₩
10㎖, Φ20×h70mm	SL.Bot2101	780	12ea	9,300	SL.Bot2105	1,470	12ea	17,550
20㎖, Φ25×h80mm	SL.Bot2102	1,290	12ea	15,450	SL.Bot2106	1,650	12ea	19,800
30㎖, Φ30×h95mm	SL.Bot2103	1,890	12ea	21,000	SL.Bot2107	2,140	12ea	25,650



50 & 100㎖ Slim Square Dropping Bottle, with PP Screwcap & Rubber Bulb, Mould Gradation

Made of Soda-Lime Glass, <Korea-Made> 눈금부 4각/8면 글라스 드로핑 바틀

〈L1〉

Dropping Bottle ㎖, Φ×h	(1) with Clear Glass				(2) with Amber Glass			
	Cat. No.	Ea. Price, ₩	Pk.	Price, ₩	Cat. No.	Ea. Price, ₩	Pk.	Price, ₩
50/5㎖, 48×38×h107mm	SL.Bot2112	1,990	12ea	22,050	SL.Bot2116	2,370	12ea	26,250
100/10㎖, 59×46×h127mm	SL.Bot2113	2,280	12ea	25,200	SL.Bot2117	2,700	12ea	30,000



Kartell® 50~500㎖ PE Dropping Bottle, Ranvier type, with PE Tube & Rubber Bulb

Suitable for Foodstuff, Non-Breakage, −40℃+80/90℃, <Italy-Made> PE 드로핑 바틀, 랑비어 타입

〈L1〉

■ ***Non-Breakage***

		Ea.	Price,₩	Pk.	Price,₩
KA.388	Bottle, Dropping, with Tube & Test, 50㎖		4,950	10ea	47,940
KA.389	, 100㎖		5,390	10ea	52,250
KA.391	, 250㎖		6,220	10ea	60,240
KA.392	, 500㎖		7,050	10ea	68,300



Azlon® 30~250㎖ LDPE Dispensing/Dropping Bottle

With Spouted Dropper Cap, −50℃+80/90℃ Stable, LDPE 분주/드로핑 바틀, 캡 포함

■ ***Supplied by SciLabware in UK.***

* Round LDPE Bottles Fitted with Spouted Closure
* Suitable for use as a Dropping or Dispensing Bottle
* Closure Features a Captive Sealing Cap and can be cut to Adjust Flow Rate
* Good Resistance to Chemical Attack * Cap size 28R4

〈L1〉

		Ea.	Price, ₩	Cs.	Price, ₩
Az.BGE814PNC	Bottles, Dropping, 30㎖ , Φ32×h103mm		890	10ea	8,430
Az.BGE820PNC	, 60㎖ , Φ39×h118mm		1,020	10ea	9,630
Az.BGE828PNC	, 150㎖, Φ50×h144mm		1,290	10ea	12,250
Az.BGE830PNC	, 250㎖, Φ60×h168mm		2,390	10ea	23,050



Cowie® 25 & 50㎖ PTFE Dropping Bottle, with Tapered Inner, Autoclavable

For Easy Removal of Contents, 280℃ Stable, PTFE 드로핑 바틀

■ ***Supplied by Cowie® in U.K***

* Inert and leak free * Flexible and with PTFE Cap
* Thick wall instruction with tapered inner for ease of removal of contents

〈L1〉

		Ea.	Price, ₩	Pk.	Price, ₩
CW.014.025	Bottle, Dropping, 25㎖, Φ33×h80mm		79,150	5ea	
CW.014.050	, 50㎖, Φ43×h100mm		86,070	5ea	

Articles	Cat. No	Description

SciLab® Soda-glass Multiuse Reagent/Sample Bottle, with PP DIN/GL45 Basic Screwcap, Graduated, 100~2,000㎖

Non-autoclavable, Cap has a Built-in Wedge-shaped Sealing Ring, with PP Pour-Ring, **다용도 GL45 스크류캡 바틀**





- ***Made in Korea*** ■ ***Made of Soda-Lime Glass, Useful up to 100℃, Non-Autoclavable.***
- ***Excellent for Multi-use ; Reagent, Sample, Storage, Transport, etc. ; Ideal for Economically General Purpose.***
- ***Can be used with ; (a) PTFE / Butyl Septa Sealed PP Utility Cap, GL45***
  (b) Piercing PTFE/Butyl Septa Sealed PP Opentop Cap, GL45
  (c) Spare PP Basic Cap with a Built-in Wedge-shaped Seal-Ring, GL45

∗ with White Graduation / Marking Area and PP / GL45 Basic Screwcap with Dripless PP Pouring Ring.
∗ Convenient Package ; 10ea or 6ea in a Cardboard / Divider Box.

〈L1〉

Spec. \ Cat. No & Price	(1) Clear, Soda-glass, Graduated			(2) Amber, Soda-glass, Graduated		
	Cat. No.	Ea. Price, ₩	Cs. Price, ₩	Cat. No.	Ea. Price, ₩	Cs. Price, ₩
100 / 20㎖, Φ56×h105mm	**SL.Bot1001**	1,830	10ea 16,880	**SL.Bot1011**	2,030	10ea 18,750
250 / 50㎖, Φ70×h143mm	**SL.Bot1002**	2,030	10ea 18,750	**SL.Bot1012**	2,640	10ea 24,380
500 / 100㎖, Φ86×h181mm	**SL.Bot1003**	2,640	10ea 24,380	**SL.Bot1013**	3,250	10ea 30,000
1,000 / 100㎖, Φ101×h230mm	**SL.Bot1004**	3,850	10ea 35,630	**SL.Bot1014**	5,070	10ea 46,880
2,000 / 200㎖, Φ136×h267mm	**SL.Bot1005**	14,180	6ea 78,750	**SL.Bot1015**	14,180	6ea 78,750

(3) Spare ; SciLab® DIN/GL45 Glass Bottle Cap & Dripless Pouring NEW

■ ***Made of Good Chemical Resistant Polypropylene(PP)*** ∗ Autoclavable

		Pk.	Price, ₩
SL.Cap3016	① Basic Screwcap, PP, for GL45 Glass Bottles, od Φ54×h26mm	10ea	4,720
SL.Cap3018	② Pouring Ring, PP, for GL45 Glass Bottles, Φ39×h4mm	10ea	1,280



Graduated Valumetric™ Bottle



■ **Tamper Evidence Strip sticker**
■ **Hazard Communication Label**
H=Health, **F**=Fire, **R**=Reactivity,
PE=Personal Equip

Wheaton® Valumetric™ Clear Straight Sided Bottle, CLEANPACK™, Tall-form, 30~500㎖

Dual Matrics Fine Graduation(㎖ & oz), Chemical Resist PP Screwcap, ASTM · EPA · USP, **정밀눈금 大 광구병/자**

- ***Supplied by Wheaton® in USA*** ■ ***with Hazard Communication Label and Tamper Evident Strip-sticker***
- ***With Functional Screwcaps :***
  (1) Poly-Vinyl Lined PP Cap : General Purpose, Chemical Resistance, Good for Acids / Alkalis / Solvents / Alcohols / Oils / Aqueous Products Poor for Active Hydrocarbons
  (2) Teflon®-Lined PP Cap : "TEFLON-faced Foamed Polyethylene" Ideal for Analytical Lab Samples / High-Purity Chemicals / Strong-Solvents · Acids · Corrosives / Environmental Samples / Pharmaceuticals & Diagnostic Reagents

∗ Ideal for Analytical Lab Samples, Solvents, Chemicals and Samples Storage.
∗ USP Type Ⅲ Standards, "800" Clear Glass α 8.8 ∗ Very Convenience Pack with Cell-Partitions

〈L1〉

(1) With Poly-Vinyl Lined White PP Screwcap

		Ea.	Price, ₩	Cs.	Price, ₩
WH.W216966	Bottle, Clear, 30 / 5㎖ , Φ 34×h 68 mm , Cap 33-400		3,570	48ea	140,830
WH.W216967	, 60 / 5㎖ , Φ 42×h 83 mm , Cap 38-400		3,820	48ea	151,050
WH.W216968	, 125 / 5㎖ , Φ 51×h 102 mm, Cap 48-400		4,620	24ea	92,340
WH.W216969	, 250 / 10㎖, Φ 62×h 127 mm, Cap 58-400		5,720	24ea	113,570
WH.W216970	, 500 / 50㎖, Φ 76×h 145 mm, Cap 70-400		7,420	24ea	147,190

(2) With Teflon®-Lined White PP Screwcap

		Ea.	Price, ₩	Cs.	Price, ₩
WH.W216971	Bottle, Clear, 30 / 5㎖ , Φ 34×h 68 mm , Cap 33-400		4,870	48ea	191,580
WH.W216972	, 60 / 5㎖ , Φ 42×h 83 mm , Cap 38-400		5,470	48ea	216,150
WH.W216973	, 125 / 5㎖ , Φ 51×h 102 mm, Cap 48-400		7,200	24ea	142,830
WH.W216974	, 250 / 10㎖, Φ 62×h 127 mm, Cap 58-400		9,300	24ea	185,920
WH.W216975	, 500 / 50㎖, Φ 76×h 145 mm, Cap 70-400		12,450	24ea	247,780



Straight-Sided Glass Bottle, Soda-lime Glass, Graduated, 100~1,000㎖

With PP Screwcap & PE-Liner, Non-Autoclavable, <Korea-Made> **大광구병/자**

〈L1〉

(1) Clear-glass, 100~1,000㎖

		Ea. Price,₩	Pk.	Price, ₩
SL.Bot2131	Bottle, Glass jar, Screwcap, 100㎖ , Φ60×h77 , neck od-56mm	1,040	60ea	62,250
SL.Bot2132	, 240㎖ , Φ63×h110, neck od-56mm	1,230	60ea	73,500
SL.Bot2133	, 500㎖ , Φ92×h117, neck od-89mm	1,880	30ea	45,000
SL.Bot2134	, 1,000㎖, Φ98×h183, neck od-89mm	2,630	24ea	63,000

(2) Amber-glass, 100 & 240㎖

		Ea. Price,₩	Pk.	Price, ₩
SL.Bot2136	Bottle, Amber glass jar, Screwcap, 100㎖, Φ60×h77 , neck od-56mm	1,420	60ea	84,750
SL.Bot2137	, 240㎖, Φ63×h110, neck od-56mm	1,600	40ea	64,000

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



(1) Clear Wide Neck Bottle



(2) Amber Wide Neck Bottle



■ **Tamper Evidence Strip sticker**
■ **Hazard Communication Label**
H=Health, **F**=Fire, **R**=Reactivity,
PE=Personal Equip



Teflon-lined PP Screwcap



(3) Square Bottle, Clear Wide Neck

Wheaton® CLEANPACK™ Clear & Amber Glass Wide Neck Bottle, 15~4,000㎖

With Chemical Resist PP Screwcap, ASTM · EPA · USP, **광구병, 투명 & 갈색**

■ ***Supplied by Wheaton® in USA***
■ ***with Hazard Communication Label and Tamper Evident Strip-sticker***
■ ***With Functional Screwcaps*** :
(1) Poly-Vinyl Lined PP Cap : General Purpose, Chemical Resistance, Good for Acids / Alkalis / Solvents / Alcohols / Oils / Aqueous Products, Poor for Active Hydrocarbons
(2) Teflon®-Lined PP Cap : "TEFLON-faced Foamed Polyethylene", Ideal for Analytical Lab Samples / High-Purity Chemicals / Strong-Solvents · Acids · Corrosives / Environmental Samples / Pharmaceuticals & Diagnostic Reagents
■ ***Ideal for Analytical Lab Samples, Solvents, Chemicals and Samples Storage.***

∗ USP Type Ⅲ Standards, "800" Clear & Amber Glass α 8.8
∗ Very Convenience Pack with Cell-Partitions
∗ Hazard Communication Label and Tamper Evident Strip-sticker

(1) Clear Glass, with Standard Wide-Neck & Caps, 125~4,000㎖. 투명 광구병, 둥근형

〈L1〉

① With Poly-Vinyl Lined White PP Screwcap

		Ea.	Price, ₩	Cs.	Price, ₩
WH.W216924	Bottle, Clear, 125㎖ , Φ 52×h 84mm , Cap 48-400		3,550	24ea	70,020
WH.W216925	, 250㎖ , Φ 63×h 94mm , Cap 58-400		4,390	24ea	86,720
WH.W216926	, 500㎖ , Φ 79×h 133mm , Cap 63-400		6,600	24ea	131,050
WH.W216927	, 2,000㎖, Φ122×h 213mm, Cap 83-400		14,620	6ea	72,930
WH.W216928	, 4,000㎖, Φ157×h 256mm, Cap 89-400		19,480	4ea	64,810

② With Teflon®-Lined White PP Screwcap

		Ea.	Price, ₩	Cs.	Price, ₩
WH.W216929	Bottle, Clear, 125㎖ , Φ 52×h 84mm , Cap 48-400		6,000	24ea	119,090
WH.W216930	, 250㎖ , Φ 63×h 94mm , Cap 58-400		8,970	24ea	178,300
WH.W216931	, 500㎖ , Φ 79×h 133mm , Cap 63-400		10,170	24ea	201,980
WH.W216932	, 2,000㎖, Φ122×h 213mm, Cap 83-400		19,770	6ea	98,710
WH.W216933	, 4,000㎖, Φ157×h 256mm, Cap 89-400		27,330	4ea	90,920

(2) Amber Glass, Standard Wide-Neck Packers & Caps, 30~1,000㎖. 갈색 광구병, 둥근형

① With Poly-Vinyl Lined White PP Screwcap

		Ea.	Price, ₩	Cs.	Price, ₩
WH.W216939	Bottle, Amber, 30㎖ , Φ 37×h 65mm , Cap 28-400		2,870	24ea	56,120
WH.W216940	, 60㎖ , Φ 44×h 75mm , Cap 33-400		3,180	24ea	62,580
WH.W216941	, 125㎖ , Φ 54×h 95mm , Cap 38-400		3,730	24ea	73,570
WH.W216942	, 250㎖ , Φ 66×h 119mm, Cap 45-400		4,470	24ea	89,220
WH.W216943	, 500㎖ , Φ 80×h 146mm, Cap 53-400		6,120	12ea	61,180
WH.W216944	, 1,000㎖, Φ 99×h 178mm, Cap 53-400		8,490	12ea	84,830

② With Teflon®-Lined White PP Screwcap

		Ea.	Price, ₩	Cs.	Price, ₩
WH.W216945	Bottle , Amber, 30㎖ , Φ 37×h 65mm , Cap 28-400		3,750	24ea	74,430
WH.W216946	, 60㎖ , Φ 44×h 75mm , Cap 33-400		4,340	24ea	85,750
WH.W216947	, 125㎖ , Φ 54×h 95mm , Cap 38-400		5,220	24ea	104,400
WH.W216948	, 250㎖ , Φ 66×h 119mm, Cap 45-400		6,560	24ea	131,050
WH.W216949	, 500㎖ , Φ 80×h 146mm, Cap 53-400		9,090	12ea	90,830
WH.W216950	, 1,000㎖, Φ 99×h 178mm, Cap 53-400		11,320	12ea	112,700

(3) SQUARE, Standard Wide Neck & Cap, 15~500㎖. 4각 투명 광구병

∗ Square Shape maximizes Storage Space.

① With Poly-Vinyl Lined White PP Screwcap

		Ea.	Price, ₩	Cs.	Price, ₩
WH.W216871	Bottle, Square, 15㎖ , Φ 26×h 62mm , Cap 20-400		3,120	48ea	122,900
WH.W216872	, 30㎖ , Φ 31×h 72mm , Cap 24-400		3,180	48ea	124,570
WH.W216873	, 60㎖ , Φ 39×h 87mm , Cap 28-400		3,320	48ea	130,730
WH.W216874	, 125㎖, Φ 45×h 111mm, Cap 33-400		3,990	24ea	78,740
WH.W216875	, 250㎖, Φ 56×h 137mm, Cap 43-400		5,240	24ea	104,290
WH.W216876	, 500㎖, Φ 68×h 167mm, Cap 48-400		6,600	24ea	130,880

② With Teflon®-Lined White PP Screwcap

		Ea.	Price, ₩	Cs.	Price, ₩
WH.W216877	Bottle, Square, 15㎖ , Φ 26×h 62mm , Cap 20-400		3,440	48ea	135,050
WH.W216878	, 30㎖ , Φ 31×h 72mm , Cap 24-400		3,700	48ea	145,740
WH.W216879	, 60㎖ , Φ 39×h 87mm , Cap 28-400		4,090	48ea	161,670
WH.W216880	, 125㎖, Φ 45×h 111mm, Cap 33-400		5,040	24ea	100,050
WH.W216881	, 250㎖, Φ 56×h 137mm, Cap 43-400		7,070	24ea	140,150
WH.W216882	, 500㎖, Φ 68×h 167mm, Cap 48-400		8,850	24ea	175,990

Articles	Cat. No	Description



SciLab® GL45 3-Baffled Shaking Bottle, with Cap & Pouring Ring, 100~2,000㎖
With Graduation & GL45 Screwcap, Ideal for Culture / Mixing, GL45 배플 쉐이킹 바틀

■ ***Supplied by SciLab Korea*** ■ ***Boro Glass 3.3***
■ ***With 3 Vertical Baffles : The Swirling Motion is Disrupted and an Improvement of the Top-to-Bottom Circulation occurs which produces a Greater Radial and More Effective Mixing***
■ ***with PP Cap / Pouring Ring : -40℃+140℃, Heat-resistant, Autoclavable***

※ **Note! When Autoclaving, Loosen Off the Screwcap!!**

〈L1〉

		Ea.	Price, ₩
SL.Bot2151	Bottle, 3 Baffled, GL45, 100 / 20㎖ , Φ56×h100mm		27,700
SL.Bot2152	, 250 / 50㎖ , Φ70×h138mm		28,700
SL.Bot2153	, 500 / 100㎖ , Φ86×h176mm		32,130
SL.Bot2154	, 1,000 / 200㎖, Φ101×h225mm		38,290
SL.Bot2155	, 2,000 / 200㎖, Φ136×h260mm		57,920



DURAN® *TILT* GL56 Media Bottle



Tilted at 45° Position for Easy Pipetting

DURAN® *TILT* GL56 Media Bottle, Unique 45° TILT Position, 500㎖
With White GL56 PP Screwcap, 2-positioned Bottom, Boro-glass 3.3, GL56 틸트 바틀

■ ***Supplied by DURAN® in Germany*** ■ ***손쉽게 피펫팅을 하기 위해 45°로 기울여서 사용이 가능함***
■ ***Two Positions : Upright for Filter Sterilization or Storage & Tilted at 45° Position for Easy Pipetting***
■ ***Ideal for Filter Sterilizing and Clarifying Cell Culture Media*** ■ ***Made of Borosilicate α3.3 glass***

∗ Graduations Indicate in both Tilted and Upright Positions and are visible from Both Sides for the Convenience of Left- and Right-handed Users.
∗ Wide GL 56 Mouth with non-Cytotoxic, Ergonomic Screwcap
∗ Low Bottle Height for Easy Handling in Biosafety Cabinets and Clean Hoods
∗ Space Saving Shape for Fridge Storage and in Water Baths
∗ Vacuum Resistant Bottle for Safe Filter Sterilization

※ **Note! When Autoclaving, Loosen Off the Screwcap!!**

〈L1〉

		Ea. Price,₩	Pk.	Price, ₩
DU.21891445	TILT Bottle, Clear, with GL 56 PP White Screwcap, 500/100㎖	29,740	4ea	115,330

Spare Screwcap

		Ea. Price,₩	Pk.	Price, ₩
DU.29229560	(1) TILT Bottle Screwcap, GL56, PP, White	4,530	10ea	43,800

Optional Accessories

		Ea. Price,₩	Pk.	Price, ₩
DU.29118560	(2) Membrane Vented Screwcap, GL56, PP, White with 0.2㎛ ePTFE Membrane & PP Mesh, Φ62×h27mm	14,190	4ea	56,580
DU.29243562	(3) Silicone Tag, for GL56 Bottles, Orange	3,150	20ea	61,000
DU.29243565	, Blue	3,150	20ea	61,000
DU.29401560	(4) GL56 Cap Label for Writing, 60pcs./Pk., Φ40mm		60Pcs	25,920
DU.29119560	(5) GL45(External) & GL56(Internal) Thread Adaptor, for Bottle Top Vacuum Filtration Unit, PTFE, White		1ea	73,840
J1.F214.500	(6) Vacuum Filter Cup Only, PES, GL45, Sterile, 500/50㎖, 0.22㎛		1ea	9,370
J1.F414.500	, 0.45㎛		1ea	9,370



(1) GL56 Screwcap



(4) GL56 Cap Label for Writing



(2) Membrane GL56 Vented Screwcap



(3) Silicone Tag



(5) Adaptor



(6) GL45 Vacuum Filter Cup, 500/50㎖

※ The Price(VAT is extra) for Korean End-user, and Changeable.



(1) YOUTILITY Bottle, Clear, Graduated

DURAN® YOUTILITY Lab-Bottle System, Graduated, 125~1,000㎖
With New Short GL45 Screwcap & Pouring Ring & Silicone Tag, 유틸리티 랩바틀

- ***Supplied by DURAN® in Germany***
- ***일반 랩 바틀에 비해 가늘고 길게 디자인되어 한 손으로 쉽게 들 수 있고, 공간 절약에 용이함***
- ***DURAN® Borosilicate 3.3 pharmacopoeial Type 1 Neutral Glass***
- ***Batch Certificate with certificate of conformity***
- ***Shorter Thread for Easier and Faster Opening & Sealing***
- ***New Ergonomic Shape Short Cap : Great for smaller hands or with Gloves***

* Special Shaped Grip Zone : Comfort and Safety
* Space Saving Shape
* Printed Area for Labels
* PP Cap with two or three digit Retrace code for Downloadable Certificate
* New YOUTILITY Bottles Available in Four Useful Sizes
* Nominal Volume Clearly Indicated
* Including PP Cap & Pouring Ring & Silicone Tag
* Autoclave Indicatable Label Pack for both Bottle and Cap are Available
* Multipack of 16 Silicone Tag in Eight Color for ID and Personalization are Available
  : 2 pcs each for Blue, Purple, Green, Red, Orange, Yellow, Black & White

※ **Note! When Autoclaving, Loosen Off the Screwcap!!**



(2) Bottle, Amber, Graduated



(3-1) YOUTILITY Screwcap, New Short GL45



(4) Pouring Ring, GL45



(3-2) YOUTILITY Screwcap GL45, USP Class Ⅵ



(5) Silicone Tags in 8 Color, Randomly



(6) Printable Self Adhesive Labels, 100pcs

‹L1›

(1) YOUTILITY Bottle, Clear

		Ea. Price, ₩	Pk.	Price, ₩
DU.2188128	YOUTILITY Bottle, Clear, Graduated, GL45, w / Cap, 125 / 25㎖	7,980	4ea	30,900
DU.2188136	, 250 / 25㎖	8,920	4ea	34,530
DU.2188144	, 500 / 50㎖	10,080	4ea	39,080
DU.2188154	, 1,000 / 50㎖	13,970	4ea	54,130

(2) YOUTILITY Bottle, Amber

		Ea. Price, ₩	Pk.	Price, ₩
DU.2188628	YOUTILITY Bottle, Amber, Graduated, GL45, w / Cap, 125 / 25㎖	38,880	4ea	150,790
DU.2188636	, 250 / 25㎖	46,270	4ea	179,470
DU.2188644	, 500 / 50㎖	49,340	4ea	191,400
DU.2188654	, 1,000 / 50㎖	69,080	4ea	267,970

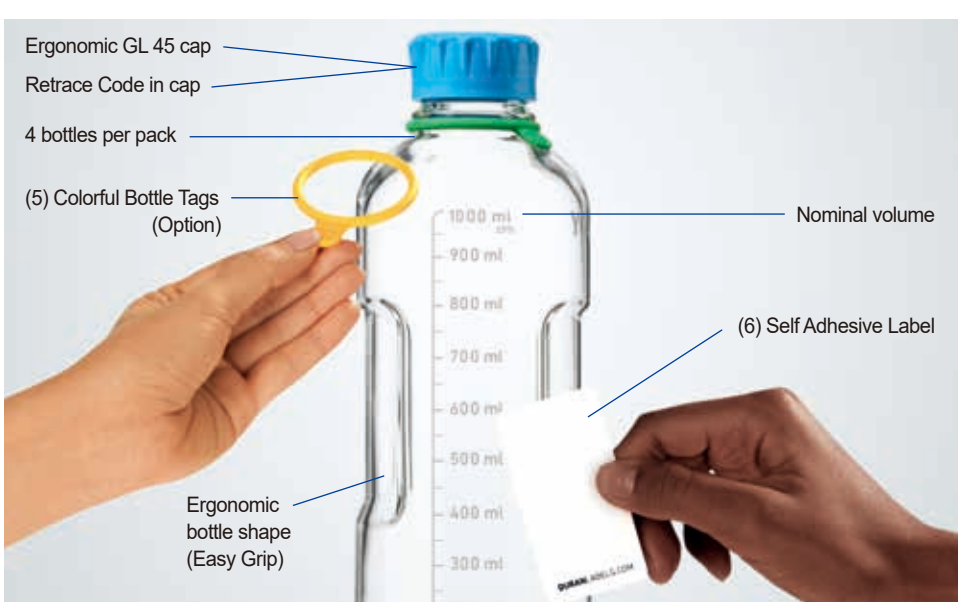
Spare Accessories

* The Retrace Code of the YOUTILITY Cap : New Short Form, Moulded "Clock" Showing a Letter(A-Z) and Numbers(1-12) inside Cap.
  Either a 2- or 3-character Code in this format : Letter Number(Ex. A1, A2, B12, etc.)

		Pk.	Price, ₩
DU.2922928	(3-1) YOUTILITY Screwcap, GL45, PP, Blue	10ea	30,840
DU.2924128	(4) YOUTILITY Pouring Ring, GL45, PP, Blue	16ea	16,620

Optional Accessories

		Ea. Price, ₩	Pk.	Price, ₩
DU.29229282	(3-2) USP Class Ⅵ "Pharma Grade" YOUTILITY Screwcap, GL45, PP, White	7,170	10ea	69,440
DU.2924329	(5) Silicone Tags in 8 Color, Randomly Delivered	3,150	16ea	48,800
DU.2940102	(6) YOUTILITY Printable Self Adhesive Labels, 100 pcs for Bottle only, Polyester		100ea	49,300



SciLab® GL45 100~20,000㎖ Clear Laboratory Bottle, with PP Screwcap & Pouring Ring

Ideal for Culture & Multi-use, White Graduation & Marking Area, Boro-glass 3.3, Autoclavable, GL45 랩바틀





■ ***Supplied by SciLab Korea*** ■ ***Borosilicate-glass 3.3***

■ ***Boro 3.3 유리로 제작되어 내열, 내화학성, 내구성이 뛰어나 실험실에서 다양한 용도, 화학물질, 시약 및 용액 보관 등으로 널리 사용***

∗ with PP Screwcap & Pouring Ring : Heat-resistant −40℃+140℃, Autoclavable

∗ with White Graduation & Marking Area ∗ GL45 Screwcaps : Compatible with DURAN® GL45 Bottles

※ **Note! When Autoclaving, Loosen Off the Screwcap!!**

〈L1〉

			Ea.	Price,₩	Pk.	Price,₩
SL.Bot1111	Lab Bottle, Clear, Boro 3.3, GL45, 100 / 20㎖	, Φ56×h100mm	2,920		10ea	28,000
SL.Bot1112	, 250 / 50㎖	, Φ70×h138mm	3,780		10ea	36,590
SL.Bot1113	, 500 / 100㎖	, Φ86×h176mm	4,940		10ea	47,800
SL.Bot1114	, 1,000 / 200㎖	, Φ101×h225mm	8,130		10ea	78,870
SL.Bot1115	, 2,000 / 200㎖	, Φ136×h260mm	20,350		10ea	197,330
SL.Bot1116	, 5,000 / 500㎖	, Φ186×h330mm	84,250		6ea	490,320
SL.Bot1117	, 10,000 / 1000㎖,	Φ234×h410mm	135,280		4ea	524,870
SL.Bot1118	, 20,000 / 2000㎖,	Φ299×h505mm	360,730			

Spare GL45 PP Screwcap & Pouring Ring

		Pk.	Price, ₩
SL.Cap3105	(1) Screwcap, PP, GL45, Φ50.5×h25.5mm	10ea	4,470
SL.Cap3107	(2) Pouring Ring, PP, GL45, Φ40×h4mm	10ea	1,170

SciLab® ChemPro™ Chemical Resist Lab Bottle, with GL45 PTFE / Butyl Septa-Sealed PP Cap & Pouring Ring, 100~20,000㎖

Excellent Sealing, Boro Glass 3.3, White Graduation & Marking Area, Autoclavable, With Pouring Ring, "리크프루프" 랩바틀



■ ***Supplied by SciLab Korea***

■ ***리크프루프 PP GL45 캡이 씌워진 Boro 3.3 유리바틀로 내열, 내화학성, 내구성이 뛰어나 실험실에서 다양한 용도, 화학물질, 시약 및 용액 보관이 가능함.***

■ ***with Wisd™ "LEAK-PROOF" Green PP(Polypropylene) GL45 Cap with PTFE/Butylrubber Sealing Septa ; 125/140℃ Stable, Good for Economical Work & Chemical Resistance ; Made in Korea***

■ ***DIN/GL Universal Caps fit to All DIN/GL Screw Necks of Bottles · Flasks · Tubes · Vessels.***

■ ***Suitable for Multi-use Bottle of Reagent, Sample, Transfer, and Long Term Storaging***

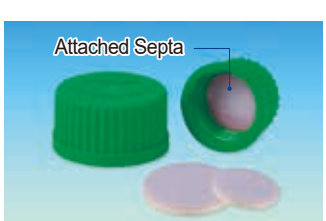
※ **Note! When Autoclaving, Loosen Off the Screwcap!!**

〈L1〉

			Ea.	Price,₩	Pk.	Price,₩
SL.Bot1121	Lab Bottle, Boro 3.3, w/GL45 Uni-Cap, 100 / 20㎖	, Φ56×h100mm	7,620		10ea	73,850
SL.Bot1122	, 250 / 50㎖	, Φ70×h138mm	8,480		10ea	82,220
SL.Bot1123	, 500 / 100㎖	, Φ86×h176mm	9,640		10ea	93,490
SL.Bot1124	, 1,000 / 200㎖	, Φ101×h225mm	12,830		10ea	124,420
SL.Bot1125	, 2,000 / 200㎖	, Φ136×h260mm	25,050		10ea	242,990
SL.Bot1126	, 5,000 / 500㎖	, Φ186×h330mm	88,950		6ea	517,700
SL.Bot1127	, 10,000 / 1000㎖,	Φ234×h410mm	139,980		4ea	543,120
SL.Bot1128	, 20,000 / 2000㎖,	Φ299×h505mm	365,430			

Wisd™ PTFE / Butyl-Septa Sealed DIN GL Thread Universal Green Cap, PP, for All DIN/GL-Screw Neck of Bottle · Flask · Tube · Vessel · Vial

Good Chemical & Heat-Resistance, 125/140℃ Stable, Autoclavable, DIN, GL14~GL45, 만능 GL 스크류캡, 테프론/부틸셉타포함



(1) Spare PP Universal Cap, Septa Attached



(2) Spare PTFE/Butyl Septa



(3) Spare PP Pouring Ring

■ ***Made in Korea*** ■ ***모든 GL/DIN Screw Neck 용기와 호환*** ■ ***Chemical Stable PP / PTFE / Butylrubber***

∗ Excellent Septa 3mm-thick for Chemical Resistance to PTFE(t.0.3mm) with the Perfect Sealing of Butylrubber(t.2.7mm).

〈L1〉

(1) Spare PP Green, Universal-Cap & PTFE/Butylrubber Septa(Attached) Set

		Pk.	Price, ₩
DH.Cap3104	PP Uni-Cap & PTFE/Butyl Septa Set, GL32, Φ37.6×h26 mm	10ea	27,580
DH.Cap3105	, GL45, Φ51.5×h28 mm	10ea	45,550

(2) Spare PTFE/Butylrubber Septa(Thick-3mm) Only

		Pk.	Price, ₩
DH.Sep6209	PTFE/Butyl Septa, for Uni-& Open-Cap, GL32, Φ30×t.3mm	10ea	19,290
DH.Sep6210	, GL45, Φ42×t.3mm	10ea	36,020

(3) Spare PP Pouring Ring for GL45 Thread of SciLab® Lab Bottle NEW

		Pk.	Price, ₩
SL.Cap3107	Pouring Ring, PP, GL45, Φ40×h4mm	10ea	1,170

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description

SciLab® GL45 Multiuse Reagent / Sample Amber Bottle, Soda-Lime Glass, With PP Screwcap, Graduated, 100~2,000㎖
Non-autoclavable, Cap has a Built-in Wedge-shaped Sealing Ring, With PP Pour-Ring, **다용도 GL45 스크류캡 갈색 바틀**



- ***Made in Korea*** ■ ***Made of Soda-Lime Glass, Useful up to 100℃, Non-Autoclavable.***
- ***Excellent for Multi-use ; Reagent, Sample, Storage, Transport, etc. ; Ideal for Economically General Purpose.***
- ***Can be used with ; (a) PTFE / Butyl Septa Sealed PP Utility Cap, GL45***
  (b) Piercing PTFE/Butyl Septa Sealed PP Opentop Cap, GL45
  (c) Spare PP Basic Cap with a Built-in Wedge-shaped Seal-Ring, GL45

∗ With White Graduation / Marking Area and PP / GL45 Basic Screwcap with Dripless PP Pouring Ring.
∗ Convenient Package ; 10ea or 6ea in a Cardboard / Divider Box.

〈L1〉

			Ea. Price,₩	Pk.	Price, ₩
SL.Bot1011	Bottle, Amber, GL 45 Cap, 100/20㎖	, Φ56×h105mm	2,030	10ea	18,750
SL.Bot1012	, 250/50㎖	, Φ70×h143mm	2,640	10ea	24,380
SL.Bot1013	, 500/100㎖	, Φ86×h181mm	3,250	10ea	30,000
SL.Bot1014	, 1000/100㎖	, Φ101×h230mm	5,070	10ea	46,750
SL.Bot1015	, 2000/200㎖	, Φ136×h267mm	14,180	6ea	78,750

DURAN® Premium GL25~45 Original & GLS80 Wide-neck Laboratory Bottle, Graduated, 10~50,000㎖
Borosilicate Clear Glass 3.3, with Screwcap & Pouring Ring, Autoclavable, Ideal for Culture & Multi-use, **오리지널 & 광구 랩바틀**



(1) GL25~45 Original Lab Bottle



(2) Bottle Only, without Cap



(3) GLS80 Wide Neck Lab Bottle

- ***Supplied by DURAN® in Germany*** ■ ***Borosilicate - glass α 3.3***
- ***with PP Screwcap / Pouring Ring : -40℃+140℃, Heat-resistant, Autoclavable***
- ***Multipurpose : Culture, Reagent, Sampling, Storage etc.***
- ***Large Labelling Field***
- ***With Graduation***

※ **Note! When Autoclaving, Loosen Off the Screwcap!!**

(1) DURAN® GL25~45 Original Lab Bottle, 10~20,000㎖

〈L1〉

			Ea. Price,₩	Pk.	Price, ₩
DU.21801085	Bottle, Original, Clear, GL25, 10㎖	, Φ36×h54mm	10,950	10ea	106,090
DU.21801145	, 25 / 5㎖	, Φ36×h74mm	6,400	10ea	61,970
DU.21801175	, GL32, 50 / 20㎖	, Φ46×h91mm	7,640	10ea	73,980
DU.21801245	, GL45, 100 / 20㎖	, Φ56×h105mm	6,840	10ea	66,190
DU.21801295	, 150 / 25㎖	, Φ62×h115mm	7,640	10ea	73,980
DU.21801365	, 250 / 50㎖	, Φ70×h143mm	7,700	10ea	74,620
DU.21801445	, 500 / 100㎖	, Φ86×h181mm	8,740	10ea	84,680
DU.21801515	, 750 / 100㎖	, Φ95×h208mm	10,820	10ea	104,790
DU.21801545	, 1,000 / 100㎖	, Φ101×h230mm	12,190	10ea	118,090
DU.21801635	, 2,000 / 200㎖	, Φ136×h265mm	25,370	10ea	245,900
DU.21801695	, 3,500 / 500㎖	, Φ160×h300mm	131,320		
DU.21801735	, 5,000 / 500㎖	, Φ182×h335mm	180,300		
DU.21801865	, 10,000 / 1,000㎖	, Φ227×h415mm	413,530		
DU.21801885	, 15,000 / 1,000㎖	, Φ268×h450mm	545,020		
DU.21801915	, 20,000 / 1,000㎖	, Φ288×h510mm	934,820		

(2) DURAN® GL25~45 Bottle Only, without Cap, 10~20,000㎖

			Ea. Price,₩	Pk.	Price, ₩
DU.2180108	Bottle, Clear, w/o Cap, GL25, 10㎖	, Φ36×h50mm	9,220	10ea	89,220
DU.2180114	, 25 / 5㎖	, Φ36×h70mm	4,700	10ea	45,430
DU.2180117	, GL32, 50 / 20㎖	, Φ46×h87mm	5,430	10ea	52,570
DU.2180124	, GL45, 100 / 20㎖	, Φ 56×h100mm	4,330	10ea	41,870
DU.2180136	, 250 / 50㎖	, Φ 70×h138mm	5,200	10ea	50,300
DU.2180144	, 500 / 100㎖	, Φ 86×h176mm	7,080	10ea	68,470
DU.2180151	, 750 / 100㎖	, Φ 95×h203mm	8,920	10ea	86,300
DU.2180154	, 1,000 / 100㎖	, Φ101×h225mm	10,020	10ea	97,000
DU.2180163	, 2,000 / 200㎖	, Φ136×h260mm	23,190	10ea	224,820
DU.2180169	, 3,500 / 500㎖	, Φ160×h295mm	130,600		
DU.2180173	, 5,000 / 500㎖	, Φ182×h330mm	175,480		
DU.2180186	, 10,000 / 1,000㎖	, Φ227×h410mm	398,780		
DU.2180188	, 15,000 / 1,000㎖	, Φ268×h445mm	537,000		
DU.2180191	, 20,000 / 1,000㎖	, Φ288×h505mm	926,530		

(3) DURAN® GLS80 Wide-neck Lab Bottle, 250~50,000㎖

∗ GLS80 Wide Neck ; Bottle Neck, od.Φ80×id.Φ65mm, Screwcap od.Φ87×id.Φ80×h40mm

			Ea. Price,₩	Pk.	Price, ₩
DU.21860365	Bottle, Wide-neck, Clear, GLS80, 250 / 50㎖	, Φ95×h105mm	15,840	10ea	153,450
DU.1112627	, 500 / 100㎖	, Φ101×h152mm	17,700	10ea	171,620
DU.1112713	, 1,000 / 100㎖	, Φ101×h222mm	20,050	10ea	194,330
DU.1112715	, 2,000 / 200㎖	, Φ136×h252mm	45,130	10ea	437,620
DU.21860695	, 3.5Lit / 500㎖	, Φ160×h271mm	171,450		
DU.1113949	, 5Lit / 500㎖	, Φ182×h314mm	231,130		
DU.1113950	, 10Lit / 1,000㎖	, Φ227×h389mm	462,470		
DU.1113951	, 20Lit / 1,000㎖	, Φ288×h484mm	992,870		
DU.1200265	, 30Lit / 3Lit	, Φ340×h548mm	1,746,970		
DU.1200154	, 50Lit	, Φ400×h590mm	3,230,450		

Articles	Cat. No	Description



DURAN® Premium Space-saver Square Bottle, Ideal for Culture & Storage, 100~1,000㎖
With Screwcap & Pouring Ring, GL32 & 45 4각 랩바틀

■ ***Supplied by DURAN® in Germany***
∗ No Round Dead-Space : can Save Space more than 40%
∗ PP Screwcap / Pouring Ring : -40℃+140℃, Autoclavable
∗ Multipurpose : Culture, Reagent, Sampling, Storage, etc.

■ ***Borosilicate - glass α 3.3***
∗ Economical, Ergonomical Handling
∗ With Graduation

※ **Note! When Autoclaving, Loosen Off the Screwcap!!**

〈L1〉

		Ea. Price,₩	Pk.	Price, ₩
DU.21820245	Bottle, Square, GL32, 100 / 20㎖ , 50×50×h109mm	9,680	10ea	93,770
DU.21820365	, GL45, 250 / 50㎖ , 64×64×h143mm	10,190	10ea	98,630
DU.21820445	, 500 / 100㎖ , 78×78×h181mm	12,850	10ea	124,580
DU.21820545	, 1,000 / 100㎖, 94×94×h222mm	18,280	10ea	177,130

DURAN® Premium GL25~45 Original & GLS80 Wide-neck Light-Proof Amber Laboratory Bottle, 10~20,000㎖
With Graduation · Screwcap · Pouring Ring, Autoclavable, 500nm UV Protected, 오리지널 & 광구 자외선 차단 갈색 랩바틀



(1) GL25~45 Original Amber Lab Bottle



(2) GLS80 Wide Neck Amber Lab Bottle

■ ***Supplied by DURAN® in Germany*** ■ ***UV Protection up to Approx. 500nm Light Wavelength***
■ ***Typical Application : Storage, Transport and Safe keeping of Light-sensitive Substances*** ■ ***Boro-glass α 3.3***
■ ***with PP Screwcap / Pouring Ring : Heat-resistant -40℃+140℃, Autoclavable*** ■ ***with White Graduation***

※ **Note! When Autoclaving, Loosen Off the Screwcap!!**

〈L1〉

(1) DURAN® GL25~45 Original Amber Lab Bottles, 10~10,000㎖

		Ea. Price,₩	Pk.	Price, ₩
DU.21806085	Bottle, Amber, GL25, 10㎖ , Φ36×h54mm	34,150	10ea	331,220
DU.21806145	, 25 / 5㎖ , Φ36×h74mm	27,630	10ea	267,970
DU.21806175	, GL32, 50 / 20㎖ , Φ46×h91mm	30,520	10ea	295,850
DU.21806245	, GL45, 100 / 20㎖ , Φ56×h105mm	34,550	10ea	335,100
DU.21806365	, 250 / 50㎖ , Φ70×h143mm	41,680	10ea	404,200
DU.21806445	, 500 / 100㎖ , Φ86×h181mm	44,100	10ea	427,570
DU.21806515	, 750 / 100㎖ , Φ95×h208mm	54,900	10ea	532,330
DU.21806545	, 1,000 / 100㎖ , Φ101×h230mm	62,290	10ea	604,020
DU.21806635	, 2,000 / 200㎖ , Φ136×h265mm	87,580	10ea	849,270
DU.21806695	, 3,500 / 500㎖ , Φ160×h300mm	245,880		
DU.21806735	, 5,000 / 1,000㎖ , Φ182×h335mm	319,620		
DU.21806865	, 10,000 / 1,000㎖, Φ227×h415mm	644,790		

(2) DURAN® GLS80 Wide-neck Amber Lab Bottles, 250~20,000㎖

∗ GLS80 Wide Neck ; Bottle Neck, od.Φ80×id.Φ65mm, Screwcap od.Φ87×id.Φ80×h40mm

		Ea. Price,₩	Pk.	Price, ₩
DU.21866365	Bottle, w/GLS80, Amber, 250 / 50㎖ , Φ95×h105mm	67,070	10ea	650,420
DU.1160146	, 500 / 100㎖ , Φ101×h148mm	74,130	10ea	718,870
DU.1160147	, 1,000 / 100㎖ , Φ101×h218mm	89,600	10ea	869,050
DU.1160148	, 2,000 / 200㎖ , Φ136×h248mm	129,500	10ea	1,256,050
DU.21866695	, 3,500 / 500㎖ , Φ160×h275mm		1ea	310,550
DU.1160149	, 5Lit. / 500㎖ , Φ182×h311mm		1ea	427,480
DU.1160150	, 10Lit. / 1,000㎖, Φ227×h395mm		1ea	744,230
DU.1160151	, 20Lit. / 1,000㎖, Φ288×h483mm		1ea	1,531,480



DURAN® Premium PP Screwcap & Pouring-Ring, GL25, 32, 45 & GLS80
With a Built-In Wedge-Shape Seal-Ring, Non-Septa

■ ***Supplied by DURAN® in Germany***

〈L1〉

(1) GL25, 32 & 45-PP Standard Cap & Pouring-Ring, Autoclavable

		Pk.	Price, ₩
DU.2923913	Screwcap, PP, Blue, GL25, Φ33×h19mm	10ea	24,670
DU.2923919	, GL32, Φ40×h24mm	10ea	21,430
DU.2923928	, GL45, Φ54×h25mm	10ea	24,670
DU.2924219	Pouring Ring, PP, for-GL32, Glass Bottle Neck	10ea	13,330
DU.2924228	-GL45, Glass Bottle Neck	10ea	10,070

(2) GLS80-PP Standard Cap & Pouring-Ring, Autoclavable

		Pk.	Price, ₩
DU.1112716	Screwcap, PP, Blue, GLS80, Φ86×h40mm	10ea	53,540
DU.1160166	Cap Pouring Ring, GLS80, PTFE, h7mm	10ea	40,570

※ The Price(VAT is extra) for Korean End-user, and Changeable.

DURAN® Premium "Leak-Proof" Lab Bottle with 3mm-thick PTFE/Silicone Septa-Sealed Cap/180℃, 10~20,000㎖

Chemical & Temp Resist, Durability, Boro-glass 3.3, with DIN GL25~45 Screw & Graduation, Autoclavable, "리크프루프" 랩바틀, 내약품용에 최적



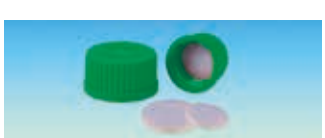
(1) 10~20,000ml Lab Bottle, with 180℃-Stable DURAN® Red PBT Cap



Red PBT Cap & ETFE Pouring Ring ; Spare



(2) 10~20,000ml Lab Bottle, with 125/140℃-Stable Wisd™ Green PP Cap



(3) PP Cap with Septa and Spare Septa Only



(4) PP Pour-Ring ; Option

- ***Bottle & Red PBT Cap ; Supplied by DURAN® in Germany, DH.~ ; Cap Attached by DAIHAN***
- ***"LEAK-PROOF" with 3mm-thick Chemical Resistant Sealing Septa of 0.3mm PTFE Faced 2.7mm Silicone (or Butyl) Rubber, Autoclavable***
- ***DURAN® Red PBT(Polybutylenterephthalate) GL-Cap with PTFE/Silicone Sealing Septa ; −45℃ +180℃-Stable, Excellent Chemical/Corrosion Resistance.***
- ***Wisd™ Green PP(Polypropylene) GL-Cap with PTFE/Butylrubber Sealing Septa ; 125/140℃-Stable, Good for Economical Work & Chemical Resistance ; Made in Korea***

※ **Note! When Autoclaving, Loosen Off the Screwcap!!**

(1) With DURAN® 180℃-Stable Red PBT GL-Cap & ETFE Pour-Ring With 3mm-thick PTFE/Silicone Septa

〈L1〉

		Ea. Price,₩	Pk.	Price, ₩
DH.2180108.PBT	Bottle, w/PBT Cap, GL25, 10㎖, Φ36×h54mm	15,060	10ea	146,090
DH.2180114.PBT	, GL25, 25 / 5㎖, Φ36×h74mm	10,540	10ea	102,240
DH.2180117.PBT	, GL32, 50 / 20㎖, Φ46×h91mm	16,000	10ea	155,200
DU.21801241	Bottle, w/PBT Cap, GL45, 100 / 20㎖, Φ56×h105mm	12,290	10ea	119,070
DU.21801361	, 250 / 50㎖, Φ70×h143mm	13,170	10ea	127,500
DU.21801441	, 500 / 100㎖, Φ86×h181mm	15,100	10ea	146,320
DU.21801541	, 1,000 / 100㎖, Φ101×h230mm	17,740	10ea	171,940
DU.21801631	, 2,000 / 200㎖, Φ136×h265mm	31,180	10ea	302,340
DU.21801731	, 5,000 / 500㎖, Φ182×h335mm		1ea	192,720
DU.21801861	, 10,000 / 1,000㎖, Φ227×h415mm		1ea	412,730
DH.2180188.PBT	, 15,000 / 1,000㎖, Φ268×h450mm		1ea	550,760
DH.2180191.PBT	, 20,000 / 1,000㎖, Φ288×h510mm		1ea	940,290

Spare ; Red PBT GL Cap & ETFE Pour-Ring

		Pk.	Price, ₩
DU.2924013	Screwcap, PBT, w/ PTFE Seal, Screw GL25, Φ33×h23mm	10ea	56,450
DU.2924019	, Screw GL32, Φ41×h26mm	10ea	76,250
DU.2924028	, Screw GL45, Φ54×h28mm	10ea	105,440
DU.2924419	Cap Pour-Ring, ETFE, for-GL32 Glass Bottle Neck.	10ea	25,980
DU.2924428	-GL45 Glass Bottle Neck.	10ea	27,590

(2) With Wisd™ 125/140℃-Stable Green PP GL-Cap NEW With 3mm-thick PTFE/Butyl Septa

		Ea. Price,₩	Pk.	Price, ₩
DH.2180108.PP	Bottle, w/PP Cap, GL25, 10㎖, Φ36×h54mm	11,320	10ea	109,810
DH.2180114.PP	, GL25, 25 / 5㎖, Φ36×h74mm	6,800	10ea	65,960
DH.2180117.PP	, GL32, 50 / 20㎖, Φ46×h91mm	8,280	10ea	80,320
DH.2180124.PP	, GL45, 100 / 20㎖, Φ56×h105mm	9,030	10ea	87,600
DH.2180136.PP	, 250 / 50㎖, Φ70×h143mm	9,900	10ea	96,030
DH.2180144.PP	, 500 / 100㎖, Φ86×h181mm	11,780	10ea	114,270
DH.2180151.PP	, 750 / 100㎖, Φ95×h208mm	13,620	10ea	132,120
DH.2180154.PP	, 1,000 / 100㎖, Φ101×h230mm	14,720	10ea	142,790
DH.2180163.PP	, 2,000 / 200㎖, Φ136×h265mm	27,890	10ea	270,540
DH.2180169.PP	, 3,500 / 500㎖, Φ160×h300mm	135,300		
DH.2180173.PP	, 5,000 / 500㎖, Φ183×h335mm	180,180		
DH.2180186.PP	, 10,000 / 1,000㎖, Φ227×h415mm	403,480		
DH.2180191.PP	, 20,000 / 1,000㎖, Φ288×h510mm	931,230		

(3) Spare ; Green PP GL Cap with Septa and Spare Septa Only

		Pk.	Price, ₩
DH.Cap3103	PP Utn-Cap & PTFE/Butyl Septa Set, GL25, Φ30.0×h23mm	10ea	17,040
DH.Cap3104	, GL32, Φ37.6×h26mm	10ea	27,580
DH.Cap3105	, GL45, Φ51.5×h28mm	10ea	35,580
DH.Sep6208	PTFE/Butyl Septa Only, for Uni-& Open-Cap, GL25, Φ23×t.3mm	10ea	9,700
DH.Sep6209	, GL32, Φ30×t.3mm	10ea	14,800
DH.Sep6210	, GL45, Φ42×t.3mm	10ea	36,020

(4) Option ; PP Dripless Pouring Ring, 125/140℃-Stable

		Pk.	Price, ₩
DU.2924219	Cap Pour-Ring, PP, for-GL 32 Glass Bottle Neck.	10ea	13,330
DU.2924228	-GL 45 Glass Bottle Neck.	10ea	10,070

Articles	Cat. No	Description

DIY Piercing DURAN® Lab Bottle, with PP GL Opentop Screwcap & PTFE/Butylrubber Septa, 10~500㎖

Boro-glass 3.3, with DIN GL25~GL45, Graduation, 125/140℃ Stable and Autoclavable, **피어싱 랩바틀**



(1) Clear (2) Amber

※ **Note;**
DIY(Do-It-Yourself) Piercing Bottles; Can be Changed to any Volume DIN/GL Bottles.

■ ***Bottle ; Made in Germany*** ※ ***The Piercing PP GL Opentop Cap & PTFE/Butyl Septa ; Made in Korea***
■ ***Piercing 3mm-thick PTFE/Butylrubber Septa of 0.3mm PTFE Faced 2.7mm Butylrubber ; Excellent for Multiple Injection(Piercing) with Syringe Needle and for Chemical- & Heat-Resistance.***

※ **Note! When Autoclaving, Loosen Off the Screwcap!!**

〈L1〉

(1) Clear Piercing Bottle

		Ea. Price,₩	Pk.	Price, ₩
DH.2180108.INJ	Bottle, Pierce, GL25, 10㎖ , Φ36×h54mm	11,000	10ea	106,700
DH.2180114.INJ	, 25 / 5㎖ , Φ36×h74mm	6,480	10ea	62,860
DH.2180117.INJ	, GL32, 50 / 20㎖ , Φ46×h91mm	7,950	10ea	77,120
DH.2180124.INJ	, GL45, 100 / 20㎖ , Φ56×h105mm	8,720	10ea	84,590
DH.2180136.INJ	, 250 / 50㎖ , Φ70×h143mm	9,590	10ea	93,030
DH.2180144.INJ	, 500 / 100㎖, Φ86×h181mm	11,470	10ea	111,260

(2) Amber Piercing Bottle

		Ea. Price,₩	Pk.	Price, ₩
DH.2180608.INJ	Bottle, Amber, Pierce, GL25, 10㎖ , Φ36×h54mm	28,880	10ea	280,140
DH.2180614.INJ	, 25 / 5㎖ , Φ36×h74mm	22,470	10ea	217,960
DH.2180617.INJ	, GL32, 50 / 20㎖ , Φ46×h91mm	23,400	10ea	226,980
DH.2180624.INJ	, GL45, 100 / 20㎖ , Φ56×h105mm	26,420	10ea	256,280
DH.2180636.INJ	, 250 / 50㎖ , Φ70×h143mm	35,680	10ea	346,100
DH.2180644.INJ	, 500 / 100㎖, Φ86×h181mm	40,160	10ea	389,560

Piercing/Sealing Opentop GL Cap & Pierceable Septa, DIN GL14~GL45

For All Standard GL Screw Necks of Bottle · Tube · Vessel, Autoclavable, **피어싱 오픈캡 · 셉타**



(1) PBT Opentop Screwcap



(2) PP Opentop Screwcap



(3) PTFE/Butyl Septa Only



(4) Silicone Septa Only

(1) DURAN High-temp Red PBT(Polybutylenterephthalate) Opentop GL Screwcap, 180℃

〈L1〉

∗ Excellent Durability, Anti-Chemical / Corrosion / Heat

		Pk.	Price, ₩
DU.2922705	Screwcap, PBT, Open, Screw GL14, Hole id.Φ9.5mm	10ea	23,370
DU.2922706	, Screw GL18, Hole id.Φ11mm	10ea	28,240
DU.2922709	, Screw GL25, Hole id.Φ15mm	10ea	39,920
DU.2922708	, Screw GL32, Hole id.Φ20mm	10ea	40,240
DU.2922710	, Screw GL45, Hole id.Φ34mm	10ea	107,070

(2) *Wisd*™ Eco-PP Opentop GL Screwcap, 125/140℃

		Pk.	Price, ₩
DH.Cap3121	Open-Cap Only, PP, GL14, Bore-9 mm , Φ18.2×h17 mm	10ea	3,500
DH.Cap3122	, GL18, -11 mm, Φ21.7×h20 mm	10ea	3,680
DH.Cap3123	, GL25, -15 mm, Φ30.0×h23 mm	10ea	4,120
DH.Cap3124	, GL32, -20 mm, Φ37.6×h26 mm	10ea	5,100
DH.Cap3125	, GL45, -33 mm, Φ51.5×h28 mm	10ea	6,340

(3) Piercing PTFE/Butylrubber Septa Only, Thick-3mm, Φ13~Φ42mm, <Korea-Made>

∗ Excellent Chemical Resistance, Multiple Piercing with Syringe Needle

		Pk.	Price, ₩
DH.Sep6206	PTFE/Butyl Septa, for Open & Uni-Caps, for-GL14, Φ13×t.3 mm	10ea	8,190
DH.Sep6207	-GL18, Φ16×t.3 mm	10ea	8,740
DH.Sep6208	-GL25, Φ23×t.3 mm	10ea	13,030
DH.Sep6209	-GL32, Φ30×t.3 mm	10ea	19,290
DH.Sep6210	-GL45, Φ42×t.3 mm	10ea	36,020

(4) Piercing Pure SILICONE Septa Only, Thick-3mm, Φ13~Φ42mm, <Korea-Made>

∗ Excellent for Multiple Piercing Application with Syringe Needle

		Pk.	Price, ₩
SL.Sep6201	Silicone Septa, for Open-Cap, for-GL14, Φ13×t.2.5 mm	10ea	6,190
SL.Sep6202	-GL18, Φ16×t.2.5 mm	10ea	6,190
SL.Sep6203	-GL25, Φ23×t.2.5 mm	10ea	8,740
SL.Sep6204	-GL32, Φ30×t.2.5 mm	10ea	11,650
SL.Sep6205	-GL45, Φ42×t.3 mm	10ea	13,720

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description

DURAN® GL25 & 45 Butyl Rubber Stopper, for Anaerobic Culture and Effective Sealing
Ideal for Needle Piercing, Autoclavable, −50℃+121℃, GL25 & 45 **부틸 스토퍼, 혐기성 컬쳐용에 최적**



- ***Supplied by DURAN® in Germany***
- ***Manufactured from a High Purity Bromobutyl Rubber Elastomer.***
- ***Applications : Culture of Anaerobic Microorganisms (Pressure Resistant Bottles Recommended), Storage of Anaerobic Culture Media (Amber Glass Bottles Recommended), Aerobic Methane Oxidation (MOx) Research, Storage of Oxygen Sensitive Materials, Applications Requiring Gas Purging or Sample Transfer via a Syringe***

∗ If Build up in Pressure is Anticipated, it is Recommended to Use the Stopper without the GL25 & 45 Red Open Top Cap.
∗ Elastic Material for Effective Sealing and Reliable Self-sealing after Needle Piercing.
∗ Upper Surface Features Seven Numbered Hemispherical Impressions for Needle-Piercing.

〈L1〉

		Ea. Price,₩	Pk.	Price, ₩
DU.2920613	Stopper, Bromobutyl Rubber, GL25, od Φ22.5×h12mm	4,190	10ea	40,570
DU.2920628	, GL45, od Φ40.5×h20.5mm	6,670	10ea	64,580

Wisd™ Leak-proof Multiport Connector PP GL Screwcap, with PTFE Insert & 2~5 Stainless-steel Barbs, DIN GL25~GL45
Suitable for id. 3.2mm Flexible Tubing, 125/140℃ Stable, Autoclavable, GL25~GL45 **멀티포트 커넥터 캡**



2~5 Stainless-steel Barbs


Spare Eco-PP Opentop GL Screwcap

- ***Made in Korea***
- ***DIN/GL Universal Caps fit to All DIN/GL Screw Necks of Bottles · Flasks · Tubes · Vessels.***

∗ Suitable for Small Volume Sampling & Supplying Media to Chemistry Micro-reactors & Oxygenation or Aeration of Samples
∗ With PTFE Insert & 2~5 Stainless-steel(316L) Barbs
∗ Excellent Chemical Resistance ∗ LEAK-PROOF ∗ Bottle can be Purchased Separately

〈L1〉

		Ea.	Price, ₩
DH.Cap3801	Connector Cap, PP, GL25, 2-Port, for id. Φ3.2mm Tubing		46,790
DH.Cap3802	, 3-Port, for id. Φ3.2mm Tubing		57,520
DH.Cap3803	, 4-Port, for id. Φ3.2mm Tubing		67,690
DH.Cap3804	, GL32, 2-Port, for id. Φ3.2mm Tubing		50,440
DH.Cap3805	, 3-Port, for id. Φ3.2mm Tubing		61,170
DH.Cap3806	, 4-Port, for id. Φ3.2mm Tubing		71,890
DH.Cap3807	, GL45, 2-Port, for id. Φ3.2mm Tubing		75,670
DH.Cap3808	, 3-Port, for id. Φ3.2mm Tubing		94,420
DH.Cap3809	, 4-Port, for id. Φ3.2mm Tubing		116,920
DH.Cap3810	, 5-Port, for id. Φ3.2mm Tubing		143,170

Spare Wisd™ Eco-PP Opentop GL Screwcap, 125/140℃

		Pk.	Price, ₩
DH.Cap3123	Open-Cap Only, PP, GL25, Bore-15mm, Φ30.0×h23mm	10ea	4,120
DH.Cap3124	, GL32, Bore-20mm, Φ37.6×h26mm	10ea	5,100
DH.Cap3125	, GL45, Bore-33mm, Φ51.5×h28mm	10ea	6,340

Wisd™ Leak-proof GL45 Multiport Connector PP Screwcap, with 1~4 Stainless-steel Port & Silicone Sealing Gasket
Suitable for id. 8.0mm Flexible Tubing, 125/140℃ Stable, Autoclavable, **멀티포트 커넥터 캡**





Multiport Connector PP Screwcap

- ***Made in Korea***
- ***DIN/GL45 Universal Caps fit to All DIN/GL45 Screw Necks of Bottles · Flasks · Tubes · Vessels.***

∗ Ideal for Laboratories of Chemistry & Biopharma & Life Science
∗ Suitable for Sterile Liquid Transfer & Sampling
∗ With Silicone Gasket for Excellent Liquid Tight Seal & 1~4 Stainless-steel(316L) Port

〈L1〉

		Ea.	Price, ₩
DH.Cap3901	Connector Screwcap, PP, GL45, w/ Stainless-steel 1-Port, for id. Φ8.0 mm Hose		128,170
DH.Cap3902	, w/ Stainless-steel 2-Port, for id. Φ8.0 mm Hose		188,170
DH.Cap3903	, w/ Stainless-steel 3-Port, for id. Φ8.0 mm Hose		224,170
DH.Cap3904	, w/ Stainless-steel 4-Port, for id. Φ8.0 mm Hose		311,920

		Ea. Price,₩	Pk.	Price, ₩
DH.Cap3125	**Spare** Open-Cap Only, PP, GL45, Bore-33mm, Φ51.5×h28mm		10ea	6,340
DU.2922328	**Optional** Silicone Sealing Gasket, od 40.5, id 27.5, thickness 3mm	6,820	10ea	65,870

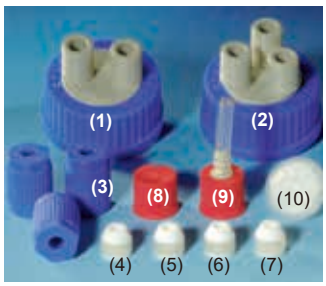


Opentop PP Screwcap



Silicone Sealing Gasket

Articles	Cat. No	Description





DURAN® 2 or 3-Ports GL45 Screwcap Connection System, with GL14 Screw Ports
For Connection with od.Φ1.6~6.0mm Tube, Autoclavable, GL45 멀티 커넥터캡 시스템

■ ***Supplied by DURAN® in Germany*** ■ ***Can be Adjust the Hole size with 4 sizes of PTFE Inserts***
■ ***Can use 4 Sizes of Tube (od.Φ1.6 / 3.0 / 3.2 / 6.0mm)*** ■ ***Unused port can cover with Red Blanking Cap***
■ ***Typical Application : Safe Transfer of Liquid Media within a Closed and sterile System***
■ ***Safe to use with Toxic Media and can Prevent Evaporation of Volatile Samples***

〈L1〉

		Ea. Price,₩	Pk.	Price, ₩
DU.1129750	(1) Screwcap GL45, PP, 2 Port GL14	61,080	2ea	118,480
DU.1129751	(2) , 3 Port GL14	65,030	2ea	126,130
DU.1129814	(3) Open top Screwcap GL14, PP, for Tube Connection, Blue	8,740	2ea	16,950
DU.1129815	(4) Insert for Screwcap GL14, PTFE, id.Φ1.6mm	29,080		
DU.1129816	(5) , id.Φ3.0mm	29,080		
DU.1129817	(6) , id.Φ3.2mm	29,080		
DU.1129818	(7) , id.Φ6.0mm	29,080		
DU.2924008	(8) Closed Top Screwcap GL14 (Red), Blanking Cap for Ports		10ea	39,920
DU.1137799	(9) Pressure Equalization Set for 2 / 3 Port Screwcap, w / 0.2㎛ Membrane Filter (10)	56,270		
DU.1129819	(10) Membrane Filter, PTFE, 0.2㎛	15,200	2ea	29,470



(1) GL45 Cap Set / 17pcs.



(2) Spare M8(Small Size) Cap Set

DURAN® 4-Port GL45 HPLC PP Screwcap & Seals
For od.Φ1.6 & Φ3.2mm Tubes, HPLC용 GL45 스크류캡 & 씰 세트

■ ***Supplied by DURAN® in Germany*** ∗ Safe to use with Toxic Media, and Prevent Evaporation of Volatile Sample
∗ Typical Application : Safe Transfer of Liquid Media within a Closed and Sterile System
∗ Can be Stored when the Port is sealed with Silicone Seal.

〈L1〉

		Ea. Price,₩	Pk.	Price, ₩
DU.1129812	(1) HPLC GL45 Screwcap Set / 17Pcs.	69,800	2ea	135,430

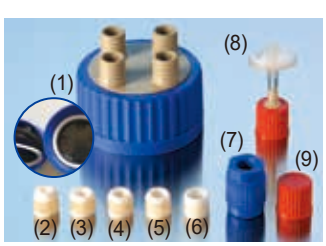
With ① 1×Screwcap GL45 / 4Ports ② 4×id.Φ1.6mm Silicone Sealing Rings.
③ 4×id.Φ3.2mm Silicone Sealing Rings ④ 4×Silicone Seals.
⑤ 4×M8(Small size) Open Top Screwcaps for Ports

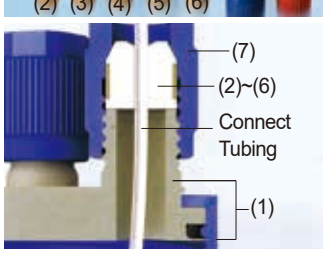
		Ea. Price,₩	Pk.	Price, ₩
DU.1129813	(2) Spare HPLC M8(Small size) Screwcap Set / 16pcs.	53,590	10ea	519,680

With ① 4×id.Φ1.6mm Silicone Sealing Rings ② 4×id.Φ3.2mm Silicone Sealing Rings.
③ 4×Silicone Seals ④ 4×M8(Small size) Screwcaps for Ports

Optional Pressure Equalization Sets & Membrane Filter

		Ea. Price,₩	Pk.	Price, ₩
DU.1137801	Pressure Equalization Set for 4Ports Screwcap, with 0.2㎛ Membrane Filter	57,570		
DU.1129819	Membrane Filter, PTFE, Spare, 0.2㎛	15,200	2ea	29,470





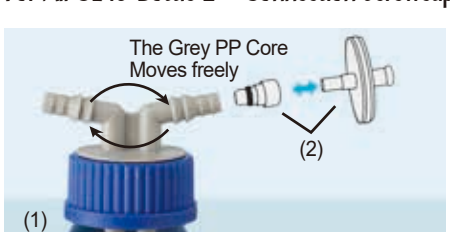
DURAN® 4-Ports GLS80 Screwcap Connection System, with 18 Screw Ports
Ideal for Safe Transfer of Liquid, Autoclavable, GLS80 멀티 커넥터 캡 시스템

■ ***Supplied by DURAN® in Germany*** ■ ***GLS 80 Screwcap Size : od.Φ87×id.Φ80×h40mm***
∗ Safe Transfer of Liquid Media(Toxic)within a Closed and Sterile System, Prevent Evaporation of Volatile Samples
∗ Can be Adjust the Hole size with 5 sizes of PTFE Inserts(id.Φ3.2 ~ 12mm)
∗ Unused port can cover with Red Blanking Cap
∗ New Soft & Flexible EPDM Sealing Gasket ; Can be Dismantled for Cleaning & Sterilizing

〈L1〉

		Ea. Price,₩	Cs.	Price, ₩
DU.2931091	(1) GLS80 Screwcap, 4 Port GL18, PP, w/EPDM Sealing Gasket	154,630	2ea	299,950
DU.1160169	(2) Insert for Screwcap GL18, PTFE, id.Φ3.2mm	34,470		
DU.1160170	(3) , id.Φ6.0mm	33,650		
DU.1160171	(4) , id.Φ8.0mm	34,470		
DU.1160172	(5) , id.Φ10.0mm	34,470		
DU.1160173	(6) , id.Φ12.0mm	34,470		
DU.1160174	(7) Open Top Screwcap GL18, PP, for Tube Connection, Blue	13,830	2ea	26,820
DU.1160167	(8) Pressure Equalization Set for 4 Port Screwcap, with 0.2㎛ Membrane Filter	58,580		
DU.1170682	(9) Blanking Screwcap GL18(Red PBT)	4,790	2ea	9,300

DURAN® GL45 Screwcap Connection System, with EPDM Gasket, 2×Curved PP Hose Connections for id.Φ6~9mm Tubing
For All GL45 Bottle 2×Connection Screwcap, Ideal for Transfer of Media(Liquid), 140℃, PP, GL45 커브드 호스 커넥터 캡



■ ***Supplied by DURAN® in Germany*** ∗ Safe, Sterile transfer of Liquid Media within a Closed System
∗ Highly Versatile because the Screwcap is based on the Standard GL45 thread
∗ Ideal for use with Elastic, Soft Tubing id.Φ6~9mm(Vitron®, Tygon®, Silicone)
∗ 2×PP Hose Connections, Curved Hose Connections on the Top-side, Straight Connections on the Low-side
∗ Temperature Resistant up to 140℃, Autoclavable / Dishwasher-proof

〈L1〉

		Ea. Price,₩	Pk.	Price, ₩
DU.2931028	(1) Screwcap System, GL45, with EPDM Gasket, 2×Hose Connection, for id.Φ6~9mm Hose	63,770	2ea	123,680
DU.1129825	(2) Syringe Filter(0.2㎛) with Top Part Connector Kit	58,580	2ea	113,620

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description

DURAN® GL45 HPLC Bottle, Complete-set with 4×Port PP Screwcap & Seals, 500 & 1,000㎖
For od.Φ1.6 & Φ3.2mm Tubes, with Blue Graduation, Boro-glass 3.3, HPLC **바틀 세트**



(1) Chromatography Bottle Complete Set



(2) Spare GL45 Cap Set / 17pcs.



(3) Spare M8(Small Size) Cap Set

- ***Supplied by DURAN® in Germany***
- ***Pressure / Vacuum Resistant : −1 ~ +1.5 Bar***
- ***Cap : PTFE and PP, Autoclavable***
- ***Safe to use with Toxic Media, and Prevent Evaporation of Volatile Sample***
- ***Available Tube : od Φ1.6mm & Φ3.2mm : Option (Tubes should be ordered Separately)***
- ***Typical Application : Safe Transfer of Liquid Media within a Closed and Sterile System***
- ***Complete Set :*** ① **1×500 or 1000㎖ Pressure Bottle** ② **1×GL45 Screwcap, 4Port, PP** ③ **4×Φ1.6mm Silicone Rings** ④ **4×Φ3.2mm Silicone Rings** ⑤ **4×Silicone Seals** ⑥ **4×M8 Screwcap for 4Port**
- ***Can be Stored when the Port is sealed with Silicone Seal.***

〈L1〉

		Ea. Price,₩	Pk.	Price, ₩
DU.1129821	(1) 4Ports, Complete Set, 500 / 100㎖ , GL45, Φ86×h176mm	107,140	2ea	207,840
DU.1129820	, 1,000 / 100㎖, GL45, Φ101×h225mm	112,150	2ea	217,550

Spare Screwcap Sets & Bottles

		Ea. Price,₩	Pk.	Price, ₩
DU.1129812	(2) Spare HPLC GL45 Screwcap Set / 17Pcs. With ① 1×Screwcap GL45 / 4Ports ② 4×id.Φ1.6mm Silicone Sealing Rings. ③ 4×id.Φ3.2mm Silicone Sealing Rings ④ 4×Silicone Seals. ⑤ 4×M8(Small size) Open Top Screwcaps for Ports	69,800	2ea	135,430

		Ea. Price,₩	Pk.	Price, ₩
DU.1129813	(3) Spare HPLC M8(Small size) Screwcap Set / 16pcs. With ① 4×id.Φ1.6mm Silicone Sealing Rings ② 4×id.Φ3.2mm Silicone Sealing Rings. ③ 4×Silicone Seals ④ 4×M8(Small size) Screwcaps for Ports	53,590	10ea	519,680

		Ea. Price,₩	Pk.	Price, ₩
DU.1092235	Spare, 500 / 100㎖ , GL45 Pressure Bottles	16,400	10ea	158,890
DU.2181054	, 1,000 / 100㎖, GL45 Pressure Bottles	18,870	10ea	182,770

Optional Pressure Equalization Sets & Membrane Filter

		Ea. Price,₩	Pk.	Price, ₩
DU.1137801	Pressure Equalization Set for 4Ports Screwcap, with 0.2㎛ Membrane Filter	57,570		
DU.1129819	Membrane Filter, PTFE, Spare, 0.2㎛	15,200	2ea	29,470




(1) GL45 HPLC Delivery Cap

(2) ETFE Blanking Plug

DURAN® GL45 HPLC Reservoir Bottle, with Conical Base & Graduation, without Cap, 1,000~10,000㎖
Ideal for the Storage & Delivery of HPLC Solvents, Boro-glass 3.3, Autoclavable, GL45 HPLC **레저버 바틀**

- ***Supplied by DURAN® in Germany***
- ***바틀 하부의 홈이 있어서 용매의 손실을 최소화 할 수 있음***

∗ Application: Mobile Phase Reservoirs for HPLC, Reagent Supply to Liquid Handling Systems
∗ Reservoirs have One Central Cavity for the Inlet Filter to Allow the Most Efficient Delivery of Mobile Phase to HPLC Analyzers.
∗ A Safer and More Convenient Alternative to Flat Bottomed Glass Media Bottles, the Conical Bottom Reservoirs Allow a Greater Recovery of Solvent, without Having to Tilt the Reservoir and Risk a Solvent Spill.
∗ On the Three Larger Sizes, the Central Cavity can Accommodate Magnetic Stir Bars for Improved Mixing.

〈L1〉

		Ea.	Price, ₩
DU.2184154	HPLC Reservoir Bottle, GL45, w/o Cap, Φ110×h295mm, 1,000㎖		277,720
DU.2184163	, Φ145×h309mm, 2,000㎖		353,780
DU.2184169	, Φ165×h353mm, 3,500㎖		495,430
DU.2184173	, Φ190×h386mm, 5,000㎖		610,720
DU.2184186	, Φ235×h481mm, 10,000㎖		2,011,750
DU.2923128	**(1) Optional ;** GL45 HPLC Delivery Cap, with 3-port, 1/4″-28 Thread for 3.2mm OD tubing PTFE Complete with 3 1/4″-28 ETFE plugs and TFE/Propylene O-ring		194,740
DU.2923100	**(2) Optional ;** ETFE Blanking Plug 1/4″-28 Thread for 3-port HPLC GL45 Delivery Cap		14,690

Articles	Cat. No	Description



Biofil® 30~1,000㎖ PETG Sterile Square Media Bottle, Hi-Transparent

Heavy-duty, Leakproof, Accurate Graduation, **멸균 4각 메디아 바틀, 정밀 눈금**

- ***Manufactured in Class 100,000 Cleanroom with Materials Conforming to USP CLASS VI Standards under the Quality Control of ISO 13485 & 9001 and CE.***
- ***Batch Certifications : Lot No. is Printed on Every Case (or Pack) for Quality Traceability.***
- ***Suitable for Storing and Transporting Liquid Culture Medium, Solution and Serum***
- ***Bottle : Polyethylene Terephthalate Copolymer(PETG).*** ***Cap : High-density Polyethylene(HDPE)***

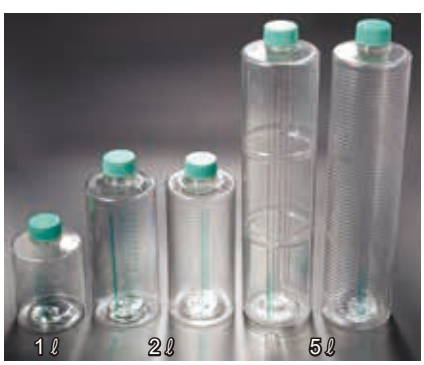
∗ 125~1000㎖ Cap Screw 38-430
∗ Thick Bottle Wall, Durable, Fall-resistant, Puncture Resistant, Resistant to Strong Pressure, and Not Easy to Deform
∗ Good Chemical Resistance, which can Effectively Prevent CO_2 and O_2 Gas Penetration and Maintain PH Stability
∗ DNase/RNase free, Non-pyrogenic and Non-cytotoxic ∗ ℽ-Sterile ∗ Working Temp. : −80℃+60℃

〈L1〉

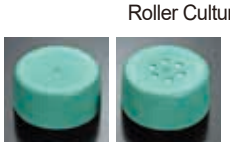
Cat. No.	Volume	Size	Neck id	Pk.	Price, ₩	Cs.	Price, ₩
J1.SSB010.030	30 / 10㎖	38.2×38.2×h62.5mm	13.8mm	24ea	46,920	4pk	170,590
J1.SSB010.060	60 / 10㎖	40.4×40.4×h82.5mm	18mm	24ea	47,780	4pk	173,740
J1.SSB010.125	125 / 25㎖	53 ×53 ×h106.5mm	28.6mm	24ea	44,380	4pk	161,370
J1.SSB010.250	250 / 50㎖	59 ×59 ×h144mm		24ea	51,450	4pk	187,100
J1.SSB130.500	500 / 50㎖	74 ×74 ×h178.5mm		24ea	104,090	2pk	189,240
J1.SSB010.000	1,000 / 50㎖	92 ×92 ×h178.5mm		24ea	187,630		

Biofil® PS Roller Culture Bottle, with Standard or Vent Cap, Graduated, 1 · 2 · 5Lit

For Large-scale Cell and Tissue Culture, Individual Sterile Package, TC-Treated or Non-treated, −20℃+50℃, **롤러 배양병, 개별멸균포장**



Roller Culture Bottle



Standard Cap Vent Cap with 0.22㎛ PTFE Membrane Filter

- ***Manufactured in Class 100,000 Cleanroom with Materials Conforming to USP CLASS VI Standards under the Quality Control of ISO 13485 & 9001 and CE and Individual Sterile Package.***
- ***Batch Certifications : Lot No. is Printed on Every Case (or Pack) for Quality Traceability.***
- ***Bottle made of Crystal Class Virgin Polystyrene(PS) −20℃+50℃, Cap made of HDPE, Cap Filter Membrane made of PTFE***
- ***Ideal for Laboratory Cell Research, Industrial Production of Biological Products, Including Recombinant Proteins, Monoclonal Antibodies, Virus Vaccines, and Cell Secretions***
- ***Suitable for the Growth of Mammalian Cells*** ***Standard Cap or 0.22㎛ PTFE Membrane Filtered Vent Cap***
- ***1ℓ Bottle : ⌀116.5×h175.5mm, 2ℓ Bottle : ⌀116.5×h282mm, 5ℓ Bottle : ⌀121.5×h500mm***

∗ Provides a Consistent Culture Environment and Uniform Cell Growth
∗ Medium can be Evenly Distributed across Each Layer
∗ Surface Treatment of Each Layer is Uniform and Stable; Large-graduation Cell Cultures
∗ Cells and Reagents Can be Mixed Directly in the Bottle, with No Leakage or Splash Between Layers, Saving Time and Reducing the Risk of Contamination
∗ 2 Cap Styles Can be used in Both Open and Closed Systems.
∗ Bottle Surface is Smooth and Free from Striation to maximize Usable Area.
∗ Every Bottle has Silk-printed Graduation : accu. ±5%, divi. 50㎖.
∗ DNase/RNase Free, Non-pyrogenic & Non-cytotoxic

(1) TC-Treated Roller Culture Bottle, Sterile ∗ Ideal for Adherent Cell Culture

〈L1〉

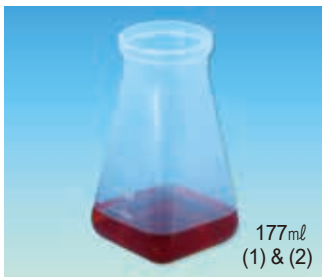
Cat. No.	Volume	Cell Growth Area	Working Volume	Cap-type	Pk.	Price, ₩	Cs.	Price, ₩
J1.C011.002	2ℓ	850cm²	180-260㎖	Standard	1ea	7,540	12ea	82,120
J1.C012.002	2ℓ	850cm²	180-260㎖	Vent	1ea	8,320	12ea	90,450
J1.C011.005	5ℓ	1700cm²	340-510㎖	Standard	1ea	15,900	12ea	173,250
J1.C012.005	5ℓ	1700cm²	340-510㎖	Vent	1ea	17,490	12ea	190,650

(2) Non-Treated Roller Culture Bottle, Sterile ∗ Ideal for Suspension Cell Culture

Cat. No.	Volume	Working Volume	Cap-type	Pk.	Price, ₩	Cs.	Price, ₩
J1.C001.001	1ℓ	100-150㎖	Standard	1ea	5,750	24ea	125,240
J1.C001.002	2ℓ	180-260㎖	Standard	1ea	7,520	12ea	81,830
J1.C002.002 NEW	2ℓ	180-260㎖	Vent	1ea	8,140	12ea	88,670
J1.C001.005	5ℓ	340-510㎖	Standard	1ea	15,070	12ea	164,220
J1.C002.005	5ℓ	340-510㎖	Vent	1ea	16,770	12ea	182,650

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description




(3)

177㎖ PP Drosophila Bottle, with Pliable Top id Φ38.5mm for Easy Stopper Removal
With Stable Square-base & Mold Graduated, Autoclavable, −10℃+125/140℃, PP **초파리 배양병**

■ ***Supplied by SciLab Korea*** ∗ Made of Polypropylene ∗ Size : Base 55.6×55.6, Neck od Φ43, Height 103.3mm
∗ Molded Graduations in 25㎖ Increments Up to 100㎖ (Total Capacity: 177㎖(6oz) Bottle)
∗ Optional Stopper : Made of High Density Foam and Ideal for Minimal Shedding as well as Reduce Evaporation

〈L2〉

(1) 25ea/Tray Packed

Cat. No	Description	Pk.	Price,₩	Cs.	Price, ₩
SL.Bot3122	Drosophila Bottle, PP, 177㎖, Neck id Φ38.5mm, 25ea / Tray	25ea	20,920	200ea	154,750

(2) 200ea/Bulk Packed

Cat. No	Description	Cs.	Price, ₩
SL.Bot3121	Drosophila Bottle, PP, 177㎖, Neck id Φ38.5mm, 200ea / Bulk	200ea	121,290

(3) Optional PE-Foam Stopper, Non-autoclavavle

Cat. No	Description	Pk.	Price,₩	Cs.	Price, ₩
SL.Sto3003	Drosophila Btl Stopper, PE-Foam, for Neck id Φ38.5mm Bottles	50ea	49,520	1,000ea	458,330



Simport® Premium 170㎖ PP Specimen-/Drosophila-Bottle, with PE Snap Cap, Graduated
With Pour Spout, Stable Square Base, −10℃+125/140℃, PP **샘플/초파리 배양병**

■ ***Supplied by Simport® in Canada***
∗ Features a Dip-stick Well for Small Volume Testing and a Pour Spout for Dripless Pouring.
∗ Translucent, with a Stable Square Base. ∗ PP Bottle : -10℃+140℃, Autoclavable
∗ PE Cap : -50℃+120℃, Non-Autoclavable

〈L1〉

Cat. No	Description	dh pk.	Price,₩	Cs.	Price, ₩
SP.B352	Bottle only, 170㎖, 55×55×h102mm	10ea	14,170	500ea	471,370
SP.B352.1	Snap cap, PE, o.d.46mm	10ea	2,450	2,000ea	323,000

Wisd™ PP Narrow-neck Measure™ Lab Bottle, Precisely Graduated, with DIN/GL-25 & 32 Basic Cap, 100~2,000㎖
Accu Approx +2/3%, Transparent & Amber, Good Chemical/Heat Resistance, 125/140℃ Stable, PP **세구 메스바틀/계량 랩바틀, 정밀눈금**


(1)


(2)

■ ***Made in Korea*** ■ ***Made of Good Chemical / Heat Resistant Polypropylene "PP".*** ■ ***121℃ Autoclavable.***
■ ***PP 100~2,000ml 정밀눈금부 다용도 바틀 ; 정밀성 · 내충격성 · 내약품성 · 내열성(-10℃+125/140℃)***
■ ***The PP Measure™ Bottle Suitable for Multi-use Bottle of Reagent, Sample, Transfer, and Long Term Storaging***
■ ***With DIN/GL25 & 32 Basic Screwcap Attached, and the Cap has a Built-In Wedge Shaped Sealing Ring.***
∗ Transparent and Amber for Light-Sensitive Materials ∗ With Inner Pack / Reusable Zipper PE Bag.

※ **Note! When Autoclaving, Loosen Off the PP Screwcap!!**

〈L1〉

(1) Transparent PP, Narrow-Neck, Graduated, Cap Attached

Cat. No	Description	Pk.	Price, ₩	Cs.	Price, ₩
DH.Bot3132	Bottle, PP, N-N, GL 25, 100 / 10㎖ , Φ52×h99 mm	10ea	8,650	6pk	50,320
DH.Bot3133	, 250 / 25㎖ , Φ65×h136 mm	10ea	11,490	4pk	44,540
DH.Bot3134	, GL 32, 500 / 50㎖ , Φ80×h175 mm	5ea	8,910	5pk	43,170
DH.Bot3135	, 1,000 / 50㎖ , Φ95×h227 mm	4ea	10,410	3pk	30,270
DH.Bot3136	, 2,000 / 100㎖ , Φ125×h267 mm	2ea	7,720	2pk	14,970

(2) Amber PP, Narrow-Neck, Graduated, Cap Attached

Cat. No	Description	Pk.	Price, ₩	Cs.	Price, ₩
DH.Bot3142	Bottle, Amber PP, N-N, GL 25, 100 / 10㎖ , Φ52×h99 mm	10ea	11,190	6pk	65,120
DH.Bot3143	, 250 / 25㎖ , Φ65×h136 mm	10ea	13,260	4pk	51,420
DH.Bot3144	, GL 32, 500 / 50㎖ , Φ80×h175 mm	5ea	10,010	5pk	48,530
DH.Bot3145	, 1,000 / 50㎖ , Φ95×h227 mm	4ea	15,570	3pk	45,280
DH.Bot3146	, 2,000 / 100㎖ , Φ125×h267 mm	2ea	12,040	2pk	23,350

(3) With Eco-Bulk Case with Cap Separately in PE Bag, Transparent & Amber Bottle, Graduated, Good for Industry, 분리 포장 캡 포함

Transparent	Amber	Bottle Specification Narrow-Neck, Precisely Graduation	Bulk Cs. Q'ty	Price, ₩ Transparent	Price, ₩ Amber
DH.Bot3132.1	DH.Bot3142.1	Bulk Bottle, PP, N-N, GL25, 100 / 10㎖ , Φ52×h99 mm	140ea	95,580	127,120
DH.Bot3133.1	DH.Bot3143.1	, 250 / 25㎖ , Φ65×h136 mm	70ea	65,690	77,570
DH.Bot3134.1	DH.Bot3144.1	, GL32, 500 / 50㎖ , Φ80×h175 mm	40ea	58,730	66,820
DH.Bot3135.1	DH.Bot3145.1	, 1,000 / 50㎖ , Φ95×h227 mm	20ea	40,380	62,790
DH.Bot3136.1	DH.Bot3146.1	, 2,000 / 100㎖ , Φ125×h267 mm	10ea	29,220	48,000

Articles	Cat. No	Description

Wisd™ PP Wide-neck Measure™ Lab Bottle, Precisely Graduated, with DIN/GL-32 & 45 Basic Cap, 100~5,000㎖

Accu Approx +2/3%, Transparent & Amber, Good Chemical / Heat Resistance, 125/140℃ Stable, PP **광구 메스바틀/계량 랩바틀, 정밀눈금**


(1)


(2)

Ideal for Bottle-top Dispensers, Powders, Paste & Liquid Materials with the Wide-neck.

- ***Made in Korea*** ***Made of Good Chemical / Heat Resistant Polypropylene "PP".*** ***121℃ Autoclavable.***
- ***PP 100~2,000ml 정밀눈금부 다용도 바틀 ; 정밀성 · 내충격성 · 내약품성 · 내열성(-10℃+125/140℃)***
- ***The PP Measure™ Bottle Suitable for Multi-use Bottle of Reagent, Sample, Transfer, and Long Term Storaging***
- ***With DIN/GL32 & 45 Basic Screwcap Attached, and the Cap has a Built-In Wedge Shaped Sealing Ring.***

∗ Transparent and Amber for Light-Sensitive Materials ∗ With Inner Pack / Reusable Zipper PE Bag.

※ **Note! When Autoclaving, Loosen Off the PP Screwcap!!**

(1) Transparent PP, Wide-Neck, Graduated, Cap Attached

〈L1〉

		Pk.	Price, ₩	Cs.	Price, ₩
DH.Bot3152	Bottle, PP, W-N, GL 32, 100 / 10㎖ , Φ52×h102mm	10ea	9,000	6pk	52,350
DH.Bot3153	, GL 45, 250 / 25㎖ , Φ65×h136mm	10ea	12,340	4pk	47,850
DH.Bot3154	, 500 / 50㎖ , Φ80×h169mm	5ea	8,900	5pk	43,130
DH.Bot3155	, 1,000 / 50㎖ , Φ95×h221mm	4ea	13,130	3pk	38,200
DH.Bot3156	, 2,000 / 100㎖, Φ125×h261mm	2ea	9,900	2pk	19,190
DH.Bot3158	, 5,000 / 500㎖, Φ182×h335mm	1ea	9,920		

(2) Amber PP, Wide-Neck, Graduated, Cap Attached

		Pk.	Price, ₩	Cs.	Price, ₩
DH.Bot3162	Bottle, Amber PP, W-N, GL 32, 100 / 10㎖ , Φ52×h102mm	10ea	10,570	6pk	61,430
DH.Bot3163	, GL 45, 250 / 25㎖ , Φ65×h136mm	10ea	14,020	4pk	54,340
DH.Bot3164	, 500 / 50㎖ , Φ80×h169mm	5ea	9,740	5pk	47,180
DH.Bot3165	, 1,000 / 50㎖ , Φ95×h221mm	4ea	14,770	3pk	42,950
DH.Bot3166	, 2,000 / 100㎖, Φ125×h261mm	2ea	11,370	2pk	22,040

(3) With Eco-Bulk Case with Cap Separately in PE Bag, Transparent & Amber Bottle, Graduated, Good for Industry, 분리 포장캡 포함

Transparent	Amber	Bottle Specification Wide-Neck, Precisely Graduation	Bulk Cs. Q'ty	Price, ₩	
				Transparent	Amber
DH.Bot3152.1	DH.Bot3162.1	Bulk Bottle, PP, W-N, GL32, 100 / 10㎖ , Φ52×h102mm	140ea	99,750	119,470
DH.Bot3153.1	DH.Bot3163.1	, GL45, 250 / 25㎖ , Φ65×h136mm	70ea	70,150	81,050
DH.Bot3154.1	DH.Bot3164.1	, 500 / 50㎖ , Φ80×h169mm	40ea	61,120	67,310
DH.Bot3155.1	DH.Bot3165.1	, 1,000 / 50㎖ , Φ95×h221mm	20ea	53,590	61,280
DH.Bot3156.1	DH.Bot3166.1	, 2,000 / 100㎖, Φ125×h261mm	10ea	38,490	45,080

Wisd™ PP Space Saver SQUARE Measure™ Lab Bottle, Wide-neck, with DIN/GL-32 & 45 Basic Cap Attached, 100~1,000㎖

Accu Approx +2/3%, Precisely Graduated, Transparent, Good Chemical/Heat Resistance, Autoclavable, PP **4각 광구 메스바틀/계량 랩바틀, 정밀눈금**


(1)


(2)

Ideal for Space Saving, Bottle-top Dispensers, Powders, Paste and Liquid Materials.

- ***Made in Korea*** ***Made of Good Chemical / Heat Resistant Polypropylene "PP".***
- ***PP 100~1,000㎖ 정밀눈금부 다용도 바틀 ; 정밀성 · 내충격성 · 내약품성 · 내열성(-10℃+125/140℃)***
- ***The PP Measure™ Bottle Suitable for Multi-use Bottle of Reagent, Sample, Transfer, and Long Term Storaging***
- ***With DIN/GL32 & 45 Basic Screwcap Attached, and the Cap has a Built-In Wedge Shaped Sealing Ring.***

∗ 121℃ Autoclavable. ∗ With Inner Pack / Reusable Zipper PE Bag.

※ **Note! When Autoclaving, Loosen Off the PP Screwcap!!**

(1) With Cap Attached

〈L1〉

		Pk.	Price, ₩	Cs.	Price, ₩
DH.Bot3172	Bottle, Sq., PP, W-N, GL32, 100 / 10㎖ , 54×54×h96mm	10ea	13,150	6pk	76,540
DH.Bot3173	, GL45, 250 / 25㎖ , 61×61×h141mm	10ea	15,730	4pk	61,020
DH.Bot3174	, 500 / 50㎖ , 74.1×74.1×h165mm	5ea	9,930	5pk	48,100
DH.Bot3175	, 1,000 / 50㎖, 92.6×92.6×h205mm	4ea	18,130	3pk	52,730

(2) With Eco-Bulk Case with Cap Separately in PE Bag, Good for Industry Square Transparent Bottle, Fine Graduation, 분리 포장캡 포함

		Bulk Cs.	Price,₩
DH.Bot3172.1	Bulk Bottle, Sq., PP, W-N, GL32, 100 / 10㎖ , 54×54×h96mm	140ea	159,500
DH.Bot3173.1	, GL45, 250 / 25㎖ , 61×61×h141mm	70ea	96,920
DH.Bot3174.1	, 500 / 50㎖ , 74.1×74.1×h165mm	40ea	68,370
DH.Bot3175.1	, 1,000 / 50㎖, 92.6×92.6×h205mm	20ea	80,380




※ PP Lab Bottle Caps : See the "Bottles, Accessories" Section!

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description

Wisd™ "Leak-Proof" PTFE/Butyl Septa-sealed PP Measure™ Lab Bottle, with DIN/GL Universal Cap, 100~5,000㎖

Accu Approx +2/3%, Precisely Graduated, Excellent for Sealing & Chemical Resistance, Transparent, PP "리크프루프" 메스바틀/계량 랩바틀, 정밀눈금



(1) Narrow Neck Uni-Capped, 100 ~ 2,000㎖



(2) Wide Neck Uni-Capped 100 ~ 5,000㎖



(3) Square Lab Bottle 100 ~ 1,000㎖

■ *Made in Korea* ■ *"LEAK-PROOF" Multi-use Bottle for Liquids / Powders in Laboratory or Industry.*
■ *Made of Chemical / Heat Resistant PP / PTFE / Ivory Butylrubber.*
■ *DIN/GL Universal Caps fit to All DIN/GL Screw Necks of Bottles / Flasks / Tubes / Vessels.*
■ *Suitable for Multi-use Bottle of Reagent, Sample, Transfer, and Long Term Storaging*
∗ 125/140℃ Stable ∗ 121℃ Autoclavable. ∗ With Inner Pack / Reusable Zipper PE Bag.
► **Complete PP Bottle with DIN/GL 25~45 PP Universal Screwcap(Uni-cap) / Opaque Dark Green, with 3mm-thick Sealing Septa of 0.3mm PTFE / 2.7mm Butylrubber.**

※ **Note! When Autoclaving, Loosen Off the PP Screwcap!!**

〈L1〉

(1) Narrow-neck Bottle, with PTFE/Butyl Septa-sealed Universal Cap

		Pk.	Price, ₩	Cs.	Price, ₩
DH.Bot3182.2	Bottle, PP, N-N, w/Uni-Cap, GL25, 100 / 10㎖ , Φ52×h99 mm	10ea	20,030	6pk	116,530
DH.Bot3182.3	, 250 / 25㎖ , Φ65×h136 mm	10ea	22,970	4pk	89,080
DH.Bot3182.4	, GL32, 500 / 50㎖ , Φ80×h175 mm	5ea	14,990	5pk	72,680
DH.Bot3182.5	, 1,000 / 50㎖ , Φ95×h227 mm	4ea	16,430	3pk	47,780
DH.Bot3182.6	, 2,000 / 100㎖, Φ125×h267 mm	2ea	10,920	2pk	21,180

(2) Wide-neck Bottle, with PTFE/Butyl Septa-sealed Universal Cap

		Pk.	Price, ₩	Cs.	Price, ₩
DH.Bot3183.2	Bottle, PP, W-N, w/Uni-Cap, GL32, 100 / 10㎖ , Φ52×h102 mm	10ea	25,000	6pk	145,480
DH.Bot3183.3	, GL45, 250 / 25㎖ , Φ65×h136 mm	10ea	40,370	4pk	156,580
DH.Bot3183.4	, 500 / 50㎖ , Φ80×h169 mm	5ea	21,270	5pk	103,120
DH.Bot3183.5	, 1,000 / 50㎖ , Φ95×h221 mm	4ea	24,340	3pk	70,820
DH.Bot3183.6	, 2,000 / 100㎖, Φ125×h261 mm	2ea	15,500	2pk	30,070
DH.Bot3183.8	, 5,000 / 500㎖, Φ182×h335 mm	1ea	12,720		

(3) Space Saver SQUARE Bottle, Wide-neck

∗ With PTFE / Butyl Septa Sealed Universal Cap.

		Pk.	Price, ₩	Cs.	Price, ₩
DH.Bot3184.2	Bottle, Sq., PP, W-N, w/Uni-Cap, GL32, 100 / 10㎖ , 54×h96 mm	10ea	33,150	6pk	192,940
DH.Bot3184.3	, GL45, 250 / 25㎖ , 61×h141 mm	10ea	50,770	4pk	196,940
DH.Bot3184.4	, 500 / 50㎖ , 74.1×h165 mm	5ea	27,440	5pk	133,050
DH.Bot3184.5	, 1,000 / 50㎖, 92.6×h205 mm	4ea	32,140	3pk	93,500

Wisd™ "Leak-Proof" PP Amber Measure™ Lab Bottle, PTFE/Butyl Septa-sealed with DIN/GL Universal Cap, 100~2,000㎖

Accu Approx +2/3%, Precisely Graduated, Excellent for Sealing & Chemical Resistance, PP "리크프루프" 갈색 메스바틀/계량 랩바틀, 정밀눈금



(1) (2)

∗ Ideal for Light-Sensitive Materials ※ **Note! When Autoclaving, Loosen Off the PP Screwcap!!**

〈L1〉

(1) Amber PP, Narrow-Neck, Graduated

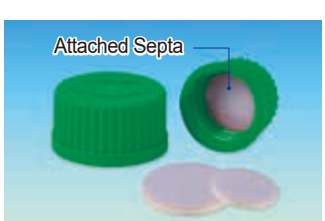
		Pk.	Price, ₩	Cs.	Price, ₩
DH.Bot3187.1	Bottle, Amber PP, N-N, GL 25, 100 / 10㎖ , Φ52×h99 mm	10ea	23,700	6pk	137,940
DH.Bot3187.2	, 250 / 50㎖ , Φ65×h136 mm	10ea	25,950	4pk	100,640
DH.Bot3187.3	, GL 32, 500 / 50㎖ , Φ80×h175 mm	5ea	16,850	5pk	81,680
DH.Bot3187.4	, 1,000 / 50㎖ , Φ95×h227 mm	4ea	22,150	3pk	64,450
DH.Bot3187.5	, 2,000 / 100㎖, Φ125×h267 mm	2ea	15,570	2pk	30,180

(2) Amber PP, Wide-Neck, Graduated

		Pk.	Price, ₩	Cs.	Price, ₩
DH.Bot3188.1	Bottle, Amber PP, W-N, GL 32, 100 / 10㎖ , Φ52×h102 mm	10ea	28,170	6pk	163,870
DH.Bot3188.2	, GL 45, 250 / 25㎖ , Φ65×h136 mm	10ea	44,840	4pk	173,950
DH.Bot3188.3	, 500 / 50㎖ , Φ80×h169 mm	5ea	23,520	5pk	114,030
DH.Bot3188.4	, 1,000 / 50㎖ , Φ95×h221 mm	4ea	27,090	3pk	78,830
DH.Bot3188.5	, 2,000 / 100㎖, Φ125×h261 mm	2ea	17,530	2pk	34,000

Wisd™ PTFE/Butyl-Septa Sealed DIN PP/GL Universal Green Cap, For All DIN/GL-Screw Neck of Bottle · Flask · Tube · Vessel · Vial

Good Chemical & Heat-Resistance, 125/140℃ Stable, Autoclavable, DIN, GL14~GL45, 만능 GL 스크류캡, 테프론/부틸셉타포함



(1) PP Universal Cap, Septa Attached



(2) PTFE/Butyl Septa

■ *Made in Korea* ■ *모든 GL/DIN Screw Neck 용기와 호환* ■ *Chemical Stable PP / PTFE / Butylrubber*
∗ Excellent Septa 3mm-thick for Chemical Resistance to PTFE(t.0.3mm) with the Perfect Sealing of Butylrubber(t.2.7mm).

〈L1〉

(1) PP Green, Universal-Cap & PTFE/Butylrubber Septa(Attached) Set

		Pk.	Price, ₩
DH.Cap3101	PP Uni-Cap & PTFE/Butyl Septa Set, GL14, Φ18.2×h17 mm	10ea	14,890
DH.Cap3102	, GL18, Φ21.7×h20 mm	10ea	15,620
DH.Cap3103	, GL25, Φ30.0×h23 mm	10ea	20,340
DH.Cap3104	, GL32, Φ37.6×h26 mm	10ea	27,580
DH.Cap3105	, GL45, Φ51.5×h28 mm	10ea	45,550

(2) Spare PTFE/Butylrubber Septa(Thick-3mm) Only

		Pk.	Price, ₩
DH.Sep6206	PTFE/Butyl Septa, for Uni-& Open-Cap, GL14, Φ13×t.3mm	10ea	8,190
DH.Sep6207	, GL18, Φ16×t.3mm	10ea	8,740
DH.Sep6208	, GL25, Φ23×t.3mm	10ea	13,030
DH.Sep6209	, GL32, Φ30×t.3mm	10ea	19,290
DH.Sep6210	, GL45, Φ42×t.3mm	10ea	36,020

Articles	Cat. No	Description



(1), (2) Narrow-Neck Lab Bottle

Wisd™ 30~1,000㎖ CleanPack PP Narrow-Neck Lab Bottle, Sterile & Non-Sterile
With ASTM Screwcap & Double Sealed Leakproof, Autoclavable, PP 세구병, 멸균 & 비멸균, ASTM

- ***Supplied by DAIHAN Korea*** ■ ***CleanPack 멸균 · 비멸균 비닐팩 청결 포장***
- ***Premium Medical Grade Raw Material Polypropylene, 125/140℃ Stable***
- ***Production and Packaging in a Cleanroom(Grade 100,000)*** ■ ***Compatible with ASTM Thread.***
- ***Special Screw Seal Closure System ; (1) Superior Double Seal : "Leakproof" Guaranty !***
  (2) Special NO-Drip Pour Lip : Safe & Clean Pouring

∗ Ideal for Analytical Lab-Samples, Chemicals, Samples Storage & Products Containers. ∗ 121℃ Autoclavable

※ **Note ! When Autoclaving, Loosen Off the PP Screwcap !!**



with Clean Vinyl Inner Bag Pack



PP Cap, ASTM Thread



〈L1〉

(1) 멸균 Sterile Clean, Transparent PP, Cap Attached, 30~1,000㎖

		Pk.	Price, ₩	Cs.	Price, ₩
DH.Bot3811	Bottle, PP, N-N, **Sterile**, 30㎖ , Φ34×h61mm , Cap20-410	10ea	5,630	20pk	109,130
DH.Bot3812	, 60㎖ , Φ39×h83mm , Cap20-410	10ea	6,880	20pk	133,380
DH.Bot3813	, 125㎖ , Φ50×h100mm, Cap24-410	10ea	9,000	10pk	87,300
DH.Bot3814	, 250㎖ , Φ60×h131mm, Cap24-410	10ea	12,500	10pk	121,250
DH.Bot3815	, 500㎖ , Φ72×h169mm, Cap28-410	5ea	9,500	10pk	92,150
DH.Bot3816	, 1000㎖, Φ92×h213mm, Cap38-415	5ea	14,000	10pk	135,800

(2) 비멸균 Non-Sterile Clean, Transparent PP, Cap Attached

		Pk.	Price, ₩	Cs.	Price, ₩
DH.Bot3801	Bottle, PP, N-N, Non-Sterile, 30㎖ , Φ34×h61mm , Cap20-410	10ea	5,000	20pk	97,000
DH.Bot3802	, 60㎖ , Φ39×h83mm , Cap20-410	10ea	6,250	20pk	121,250
DH.Bot3803	, 125㎖ , Φ50×h100mm, Cap24-410	10ea	8,250	10pk	80,030
DH.Bot3804	, 250㎖ , Φ60×h131mm, Cap24-410	10ea	12,000	10pk	116,400
DH.Bot3805	, 500㎖ , Φ72×h169mm, Cap28-410	5ea	9,130	10pk	88,520
DH.Bot3806	, 1000㎖, Φ92×h213mm, Cap38-415	5ea	13,380	10pk	129,740

Spare PP Cap Only, Non-Sterile, With ASTM Thread

		Pk.	Price, ₩
DH.Cap3501	PP, Non-Sterile, Cap20-410, Cap id Φ20mm	20ea	2,000
DH.Cap3502	, Cap24-410, Cap id Φ24mm	20ea	4,500
DH.Cap3503	, Cap28-410, Cap id Φ28mm	20ea	6,000
DH.Cap3504	, Cap38-415, Cap id Φ38mm	20ea	7,500



(1), (2) Wide-Neck Lab Bottle

Wisd™ 8~1,000㎖ CleanPack PP Wide-Neck Lab Bottle, Sterile & Non-Sterile
With ASTM Screwcap & Double Sealed Leakproof, Autoclavable, PP 광구병, 멸균 & 비멸균, ASTM

- ***Supplied by DAIHAN Korea*** ■ ***CleanPack 멸균 · 비멸균 비닐팩 청결 포장***
- ***Premium Medical Grade Raw Material Polypropylene, 125/140℃ Stable***
- ***Production and Packaging in a Cleanroom(Grade 100,000)*** ■ ***Compatible with ASTM Thread.***
- ***Special Screw Seal Closure System ; (1) Superior Double Seal : "Leakproof" Guaranty !***
  (2) Special NO-Drip Pour Lip : Safe & Clean Pouring

∗ Ideal for Analytical Lab-Samples, Chemicals, Samples Storage & Products Containers. ∗ 121℃ Autoclavable

※ **Note ! When Autoclaving, Loosen Off the PP Screwcap !!**



with Clean Vinyl Inner Bag Pack



PP Cap, ASTM Thread



〈L1〉

(1) 멸균 Sterile Clean, Transparent PP, Cap Attached, 8~1,000㎖

		Pk.	Price, ₩	Cs.	Price, ₩
DH.Bot3831	Bottle, PP, W-N, **Sterile**, 8㎖ , Φ25×h44mm , Cap20-410	20ea	6,500	20pk	126,100
DH.Bot3832	, 15㎖ , Φ25×h58mm , Cap20-410	20ea	7,500	20pk	145,500
DH.Bot3833	, 30㎖ , Φ34×h64mm , Cap28-410	10ea	5,630	20pk	109,130
DH.Bot3834	, 60㎖ , Φ39×h86mm , Cap28-410	10ea	6,880	20pk	133,380
DH.Bot3835	, 125㎖ , Φ50×h100mm, Cap38-415	10ea	9,000	10pk	87,300
DH.Bot3836	, 250㎖ , Φ60×h131mm, Cap43-410	10ea	12,500	10pk	121,250
DH.Bot3837	, 500㎖ , Φ73×h167mm, Cap53-410	5ea	9,500	10pk	92,150
DH.Bot3838	, 1000㎖, Φ93×h197mm, Cap63-415	5ea	14,000	10pk	135,800

(2) 비멸균 Non-Sterile Clean, Transparent PP, Cap Attached

		Pk.	Price, ₩	Cs.	Price, ₩
DH.Bot3821	Bottle, PP, W-N, Non-Sterile, 8㎖ , Φ25×h44mm , Cap20-410	20ea	6,000	20pk	116,400
DH.Bot3822	, 15㎖ , Φ25×h58mm , Cap20-410	20ea	7,000	20pk	135,800
DH.Bot3823	, 30㎖ , Φ34×h64mm , Cap28-410	10ea	5,000	20pk	97,000
DH.Bot3824	, 60㎖ , Φ39×h86mm , Cap28-410	10ea	6,250	20pk	121,250
DH.Bot3825	, 125㎖ , Φ50×h100mm, Cap38-415	10ea	8,250	10pk	80,030
DH.Bot3826	, 250㎖ , Φ60×h131mm, Cap43-410	10ea	12,000	10pk	116,400
DH.Bot3827	, 500㎖ , Φ73×h167mm, Cap53-410	5ea	9,130	10pk	88,520
DH.Bot3828	, 1000㎖, Φ93×h197mm, Cap63-415	5ea	13,380	10pk	129,740

Spare PP Cap Only, Non-Sterile, With ASTM Thread

		Pk.	Price, ₩
DH.Cap3501	PP, Non-Sterile, Cap20-410, Cap id Φ20mm	20ea	2,000
DH.Cap3503	, Cap28-410, Cap id Φ28mm	20ea	6,000
DH.Cap3505	, Cap38-415, Cap id Φ38mm	20ea	4,500
DH.Cap3506	, Cap43-410, Cap id Φ43mm	20ea	4,500
DH.Cap3507	, Cap53-410, Cap id Φ53mm	20ea	6,000
DH.Cap3508	, Cap63-415, Cap id Φ63mm	20ea	7,500

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



(1), (2) Amber Wide-Neck



<ex> 500㎖

with Clean Vinyl Inner Bag Pack



PP Cap, ASTM Thread



<ex> 500㎖×5×10 = 50ea/Case

Wisd™ 8~1,000㎖ CleanPack PP Amber Wide-Neck Lab Bottle, Sterile & Non-Sterile

With ASTM Screwcap & Double Sealed Leakproof, Autoclavable, PP **갈색 광구병, 멸균 & 비멸균**, ASTM

- ***Supplied by DAIHAN Korea*** ■ ***CleanPack 멸균 · 비멸균 비닐팩 청결 포장***
- ***Premium Medical Grade Raw Material Polypropylene, 125/140℃ Stable***
- ***Production and Packaging in a Cleanroom(Grade 100,000)*** ■ ***Compatible with the Same ASTM Thread.***
- ***Special Screw Seal Closure System ; (1) Superior Double Seal : "Leakproof" Guaranty !***
  (2) Special NO-Drip Pour Lip : Safe & Clean Pouring
- ***Suitable for Liquids / Powders in Laboratory or Industry.*** ■ ***Ideal for Light-Sensitive Materials***

∗ Ideal for Analytical Lab-Samples, Chemicals, Samples Storage & Products Containers. ∗ 121℃ Autoclavable

※ **Note ! When Autoclaving, Loosen Off the PP Screwcap !!**

〈L1〉

(1) 멸균 Sterile Clean, Amber PP, Cap Attached, 8~1,000㎖

			Pk.	Price, ₩	Cs.	Price, ₩
DH.Bot3851	Bottle, PP, W-N, **Sterile**, Amber, 8㎖	, Φ25×h44mm , Cap20-410	20ea	6,500	20pk	126,100
DH.Bot3852	, 15㎖	, Φ25×h58mm , Cap20-410	20ea	7,500	20pk	145,500
DH.Bot3853	, 30㎖	, Φ34×h64mm , Cap28-410	10ea	5,630	20pk	109,130
DH.Bot3854	, 60㎖	, Φ39×h86mm , Cap28-410	10ea	6,880	20pk	133,380
DH.Bot3855	, 125㎖	, Φ50×h100mm, Cap38-415	10ea	9,000	10pk	87,300
DH.Bot3856	, 250㎖	, Φ60×h131mm, Cap43-410	10ea	12,500	10pk	121,250
DH.Bot3857	, 500㎖	, Φ73×h167mm, Cap53-410	5ea	9,500	10pk	92,150
DH.Bot3858	, 1000㎖	, Φ93×h197mm, Cap63-415	5ea	14,000	10pk	135,800

(2) 비멸균 Non-Sterile Clean, Amber PP, Cap Attached

			Pk.	Price, ₩	Cs.	Price, ₩
DH.Bot3841	Bottle, PP, W-N, Non-Sterile, Amber, 8㎖	, Φ25×h44mm , Cap20-410	20ea	6,000	20pk	116,400
DH.Bot3842	, 15㎖	, Φ25×h58mm , Cap20-410	20ea	7,000	20pk	135,800
DH.Bot3843	, 30㎖	, Φ34×h64mm , Cap28-410	10ea	5,000	20pk	97,000
DH.Bot3844	, 60㎖	, Φ39×h86mm , Cap28-410	10ea	6,250	20pk	121,250
DH.Bot3845	, 125㎖	, Φ50×h100mm, Cap38-415	10ea	8,250	10pk	80,030
DH.Bot3846	, 250㎖	, Φ60×h131mm, Cap43-410	10ea	12,000	10pk	116,400
DH.Bot3847	, 500㎖	, Φ73×h167mm, Cap53-410	5ea	9,130	10pk	88,520
DH.Bot3848	, 1000㎖	, Φ93×h197mm, Cap63-415	5ea	13,380	10pk	129,740

Spare PP Cap Only, Non-Sterile, With ASTM Thread

		Pk.	Price, ₩
DH.Cap3511	PP, Non-Sterile, Cap20-410, Cap id Φ20mm	20ea	2,000
DH.Cap3512	, Cap28-410, Cap id Φ28mm	20ea	6,000
DH.Cap3513	, Cap38-415, Cap id Φ38mm	20ea	4,500
DH.Cap3514	, Cap43-410, Cap id Φ43mm	20ea	4,500
DH.Cap3515	, Cap53-410, Cap id Φ53mm	20ea	6,000
DH.Cap3516	, Cap63-415, Cap id Φ63mm	20ea	7,500

Wisd™ PP Straight Sided Measure™ Bottle, Jar-Type, Precisely Graduated, Autoclavable, 25~1,000㎖

Transparent, with BS Standard Large Neck Screwcap / Lip Sealed, Leakproof, **대광구 메스바틀 / 계량 자, 정밀 눈금**



- ***Made in Korea*** ■ ***식품 및 실험실 시료 보관에 적합***
- ***Ideal for Foodstuffs and Laboratory for Storage of Samples, Powders, etc.***

∗ Transparent Bottle and White Opaque Cap. BS Standard Thread ∗ 121℃ Autoclavable, 125/140℃ Stable.
∗ Useful Straight Sided / Large Neck Bottles with Lip Sealed Screwcaps / Leakproof.
∗ Good Chemical Resistance & High Temperature 125/140℃, Autoclavable

〈L1〉

※ **Note! When Autoclaving, Loosen Off the PP Screwcap!!**

			Pk.	Price, ₩	Cs.	Price, ₩
DH.Con3012	Bottle, PP, scale, 25 / 5㎖	, Φ37×h37mm	5ea	5,950	12pk	66,000
DH.Con3013	, 50 / 5㎖	, Φ37×h64mm	5ea	6,930	9pk	57,670
DH.Con3014	, 125 / 12.5㎖	, Φ58×h60mm	4ea	6,630	9pk	55,130
DH.Con3015	, 250 / 25㎖	, Φ58×h106mm	4ea	11,030	6pk	61,200
DH.Con3016	, 500 / 50㎖	, Φ92×h95mm	4ea	14,480	2pk	26,800
DH.Con3017	, 1,000 / 50㎖	, Φ92×h168mm	4ea	15,800		



(1) 5Lit (2) 10 & 20Lit

5~20Lit PP Screwcap Bottle, Carboy, Wide Neck, with Fine Graduation & Handle

Good Chemical/Heat Resistance, Autoclavable at 121℃, PP **스크류캡 바틀**

- ***Made in Korea*** ■ ***우수한 내화학성 및 내열성의 PP로 제작*** ■ ***연구 실험실의 다회용 액체병에 적합***
- ***Ideal for Bench Top Dispensing of Distilled Water & Common Laboratory Liquids***
- ***Caps have Moulded Drill Guides for Easy Location of Probes and Feed-lines(10 & 20Lit)***

∗ Made of Good Chemical / Heat Resistant Polypropylene "PP" ∗ Good Finished

※ **Note! When Autoclaving, Loosen Off the PP Screwcap!!**

〈L1〉

(1) *Wisd*™ PP Screwcap Bottle, with Fine Graduation, GL45, 5Lit

		Ea.	Price, ₩
DH.Bot3158	Bottle, PP, W-N, GL 45 Cap, 5000 / 500㎖, Φ182×h335mm		9,920

(2) SciLab® PP Handled Screwcap Bottle, Non Graduation, 10 & 20Lit

∗ Moulded Handle for Safe and Secure Carrying

		Ea.	Price, ₩
SL.Bot3151	Bottle, PP, W-N, 10L, Neck id-Φ70, Φ250×h460mm		28,130
SL.Bot3152	, 20L, Neck id-Φ95, Φ300×h555mm		34,250

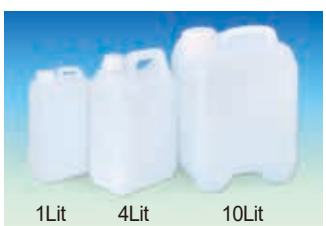
Articles	Cat. No	Description

1~22Lit HDPE Clean-grade & UN-certified Bottle, Heavy-duty, Rectangle, with Leakproof Tamper Evident Screwcap

With 10,000-Clean Grade & UN RTDG Certified, Good Resistance to Impact & Chemicals, −50℃+105/120℃ Stable, **크린바틀 & 안전바틀**



(1) & (2) 4~22Lit Clean Grade & UN RTDG Certified Bottle



1Lit 4Lit 10Lit

(3) Non RTDG Certified Bottle



① Spare Screwcap



② Optional Cap Opener/Jig

- ***Made in Korea***
- ***UN RTDG 인증 : 해상으로 운송되는 위험물 용기에 대한 안정성을 확보하기 위한 국제 품질규격 안전 보장 제도***
- ***Ideal for Use in Clean Packaging · Foodstuffs · Fine Chemicals ; Storage & Transfer***
- ***Certificated UN RTDG(Recommendation for Transport of Dangerous Goods), Specially Heavy Duty Structure***
- ***Leakproof Structure Tamper Evident Screwcap and Good Resistance to Impact & Chemicals***

∗ Standard White Tamper Evident Screwcap : When the Screwcap is Opened, the Ring is Detached from the Screwcap, Ensuring Easy Recognition that the Container has been Opened.
∗ Clean Bottle ; Clean grade 10,000 or Less, Clean-Washed, and Some Protection of UV
∗ Standard White, Optional White(w/o Tamper Evident Ring) Screwcap and Blue Screwcap

(1) 4~22Lit Clean Grade & UN-RTDG Certified Bottle, Clean-Washed, Cap Attached, Packed in Poly Bag

<L1>

∗ 5Lit is not UN Certification, But Clean-grade *!*

		dh pk.	Price, ₩	Cs.	Price, ₩
DH.Bot3352	Bottle, Rectangle, 4Lit , 120×190×h270mm, Neck id. Φ38mm	2ea	19,850	24ea	220,490
DH.Bot3353	, 5Lit , 120×190×h310mm, Neck id. Φ38mm	2ea	23,200	24ea	257,690
DH.Bot3354	, 20Lit, 230×290×h370mm, Neck id. Φ48mm	1ea	30,240	6ea	167,990
DH.Bot3355	, 22Lit, 230×290×h400mm, Neck id. Φ48mm	1ea	32,970	6ea	183,100

(2) UN-RTDG Certified Bottle 4 · 20 · 22-Lit, Cap Attached

∗ RTDG ; Recommendation for Transport of Dangerous Goods

		Ea.	Price, ₩	Cs.	Price, ₩
DH.Bot3357	Bottle, Rectan., 4Lit , W-neck id Φ38mm, 120×190×h270mm		3,700	24ea	82,200
DH.Bot3358	, 20Lit, W-neck id Φ48mm, 230×290×h370mm		11,130	6ea	61,800
DH.Bot3359	, 22Lit, W-neck id Φ48mm, 230×290×h400mm		13,290	6ea	73,800

(3) Standard Bottle, Non RTDG Certified, 1 · 2 · 4 · 10-Lit, Cap Attached

∗ Standard : White Screwcap
∗ DH.Bot3362, DH.Bot3364 : Red Screwcap

		Ea.	Price, ₩	Cs.	Price, ₩
DH.Bot3361	Bottle, Rectan., 1Lit, N-neck id. Φ23mm, 62×104×h200mm		1,480	50ea	68,150
DH.Bot3362	, 2Lit, N-neck id. Φ32mm, 70×157×h240mm		2,220	50ea	102,850
DH.Bot3363	, W-neck id. Φ35mm, 76×153×h250mm		2,330	50ea	107,400
DH.Bot3364	, 4Lit, N-neck id. Φ32mm, 106×195×h265mm		3,330	20ea	61,720
DH.Bot3365	, W-neck id. Φ38mm, 120×190×h270mm		3,700	24ea	82,200
DH.Bot3368	Bottle, Square, 10Lit, W-neck id. Φ48mm, 210×210×h310mm		7,180	6ea	39,800

Spare & Optional Accessory

		Ea.	Price, ₩
DH.Cap3204	① **Spare Screwcap**, with Evident Ring, id. Φ48mm, for 20 · 22Lit, White		1,000
DH.Opn3002	② **Optional Cap Opener/Jig** for id. Φ48mm, 20 · 22Lit Bottles		2,000

4 & 5Lit HDPE Clean-grade and General Purpose Bottle, Temper Evident, 10,000-Clean Grade, with ASTM 38-400 Screwcap

Good Chemical Resistance, Can be used with Bottle Top Dispensers, −50℃+105/120℃ Stable, **크린바틀 & 안전바틀**



(1) (2)

- ***Made in Korea***
- ***Ideal for Use in Clean Packaging · Foodstuffs · Fine Chemicals ; Storage & Transfer***

∗ Clean Bottle ; Clean grade 10,000 or Less, Clean-Washed, and Some Protection of UV.
∗ Non Autoclavable
∗ Can be Used with Bottle Top Dispensers with 38-400 Thread Adapter

<L1>

(1) 4Lit Clean Grade Bottle, with 38-400 Screwcap

		Ea.	Price, ₩	Cs.	Price, ₩
DH.Bot3372	Bottle, Clean grade, 4Lit, Φ168×h305mm, neck id. Φ30 mm		11,180	20ea	206,930

(2) 5Lit General Purpose Bottle, Comfort Handle, Non Clean-grade

		Ea.	Price, ₩	Cs.	Price, ₩
DH.Bot3373	Bottle, Tamperproof, 5Lit, Φ180×h316mm, neck id. Φ40.5 mm		12,140	10ea	224,750

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



Kartell® 5 & 10Lit HDPE Wide-neck Storage Bottle, with Heavy Wall & Handle

Can be used for Ball-mil Pot, −50℃+105/120℃, <Italy-Made> HDPE 광구, 스토리지 바틀

∗ Very Resistant Bottles, Ideal for Liquid or Powders. Wide Mouth for Easy Filling and Emptying.
∗ Inner Cap & Blue Screwcap : Perfect Seal. ∗ Non Autoclavable

〈L1〉

		Ea.	Price,₩	Pk.	Price,₩
KA.1640	Bottle, HDPE, W-N, 5Lit , Φ 160×h320mm, Neck id. 90mm		35,170	4ea	136,400
KA.1642	, 10Lit, Φ 210×h390mm, Neck id. 120mm		52,370	4ea	203,090



10 & 20Lit PE Collapsible Aspiration Bottle, without Stopcock, with Handle

Stackable, Semi Transparent, Neck id Φ33.5mm, PE 접이식 스토리지 바틀

∗ Semi Transparent Body Enables to Check Quickly the Amount of Liquid.
∗ Easy Transport by Molded-in Handle.

〈L2〉

		Ea.	Price,₩	Pk.	Price,₩
SL.Bot3843	Aspirator Bottle, PE, Collapsible, 10ℓ, 290×192×h263mm		20,150	24ea	483,340
SL.Bot3844	, 20ℓ, 320×240×h325mm		23,390	18ea	420,600



(A) Poly Bag "dh.Pk" with Attached Cap

(B) Bulk Box "Bulk Cs" with Separate Cap

PET Clean Wide-neck Bottle, with PP Screwcap, 25~950㎖

Ideal for Food & Medical Supplies · Sampling · Storage, PET 광구 크린 바틀

■ ***Made in Korea***
■ ***Transparent PET(Polyethylene Terephthalate) Wide-neck Bottle***
∗ General Purpose : Food, Medical, Laboratory Storage / Conveyance(Liquid / Powder / Solid Material)
∗ Neck-Size means Mouth Out Diameter(O.D)
∗ Non-Autoclavable, up to 70℃.

※ **2 Package-type : Reusable Zipper Poly Bag "dh pk." ; with Attached Cap**
Bulk Box "Bulk Cs." ; with Separate Cap

※ Cs. 운임 별도 〈L1〉


(1)

(1) Round-type, Clear Bottle, 25~850㎖

		dh pk.	Price, ₩	Bulk Cs.	Price, ₩
DH.Bot3301	Bottle, PET, Clear, 25㎖ , Φ32×h57 , Ivory Cap, neck Φ28mm	12ea	4,380	648ea	188,920
DH.Bot3302	, 40㎖ , Φ32×h74 , 〃 , neck Φ28mm	12ea	4,730	492ea	154,690
DH.Bot3303	, 100㎖, Φ48×h80 , 〃 , neck Φ38mm	12ea	7,740	252ea	129,940
DH.Bot3304	, 250㎖, Φ65×h97 , 〃 , neck Φ49mm	12ea	10,130	216ea	145,800
DH.Bot3305	, 500㎖, Φ75×h133, 〃 , neck Φ49mm	10ea	9,500	100ea	75,940
DH.Bot3306	, 850㎖, Φ84×h176, 〃 , neck Φ49mm	6ea	6,480	84ea	72,450


(2)

(2) Round-type, Amber Bottle, 25~500㎖

		dh pk.	Price, ₩	Bulk Cs.	Price, ₩
DH.Bot3301A	Bottle, PET, Amber, 25㎖ , Φ32×h57 , Ivory Cap, neck Φ28mm	12ea	4,800	648ea	207,190
DH.Bot3302A	, 40㎖ , Φ32×h74 , 〃 , neck Φ28mm	12ea	5,150	492ea	168,750
DH.Bot3303A	, 100㎖, Φ48×h80 , 〃 , neck Φ38mm	12ea	8,300	252ea	139,390
DH.Bot3304A	, 250㎖, Φ65×h97 , 〃 , neck Φ49mm	12ea	10,690	216ea	153,900
DH.Bot3305A	, 500㎖, Φ75×h133, 〃 , neck Φ49mm	10ea	9,970	100ea	79,690


(3)

(3) Square-type, Clear Bottle, 100~950㎖

		dh pk.	Price, ₩	Bulk Cs.	Price, ₩
DH.Bot3311	Bottle, PET, Sq, Clear, 100㎖, 40×40×h87 , Ivory Cap, neck Φ28mm	10ea	6,540	290ea	151,600
DH.Bot3312	, 300㎖, 69×69×h87 , 〃 , neck Φ59mm	10ea	11,820	100ea	94,500
DH.Bot3313	, 500㎖, 68×68×h136, 〃 , neck Φ49mm	10ea	9,500	120ea	91,130
DH.Bot3314	, 950㎖, 74×96×h165, 〃 , neck Φ59mm	10ea	12,430	100ea	99,380


(4)

(4) Square-type, Amber Bottle, 100~950㎖

		dh pk.	Price, ₩	Bulk Cs.	Price, ₩
DH.Bot3311A	Bottle, PET, Sq, Amber, 100㎖, 40×40×h87 , Ivory Cap, neck Φ28mm	10ea	7,020	290ea	162,630
DH.Bot3312A	, 300㎖, 69×69×h87 , 〃 , neck Φ59mm	10ea	12,570	100ea	100,420
DH.Bot3313A	, 500㎖, 68×68×h136, 〃 , neck Φ49mm	10ea	9,970	120ea	95,630
DH.Bot3314A	, 950㎖, 74×96×h165, 〃 , neck Φ59mm	10ea	12,900	100ea	103,130

Articles	Cat. No	Description



LDPE Sterile Collapsible Water Collection Bottle, Graduated, 1~6Lit

With PP Screwcap & Handle, Folding, Individual Sterile Packed, −50℃+80/90℃, **무균채수병**

■ ***Made in Korea***
* with Tight Sealing Screwcap and Handle
* Collapsible Bottle for Easy to transport Field Sample
* Application : Environmental Water Testing, Field Sampling
* with Mold Graduation and Finger Handle.
* EO-gas Sterilizing and Individual Package

〈L1〉

		Pk.	Price, ₩	Cs.	Price, ₩
SL.Bot3141	Bottle, Sterile, LDPE, Water Sample, 1,000 / 500㎖	1ea	990	150ea	136,880
SL.Bot3142	, 2,000 / 500㎖	1ea	1,290	100ea	118,130
SL.Bot3143	, 4,000 / 1000㎖	1ea	1,940	65ea	116,250
SL.Bot3144	, 6,000 / 1000㎖	1ea	3,250	50ea	150,000



Kartell® LDPE Sample Bottle, with Attached Snap Cap 1~35㎖, <Italy-Made> LDPE 샘플 바틀, 스냅 캡

■ ***Suitable for the Field Sampling of Capsule-Granular · Pellets · Parts · Powder · Solid, etc.***
■ ***Tight Sealing. Snap Cap(PE) Hanged.***
* Non-Autoclavable

〈L1〉

		Pk.	Price, ₩	Cs.	Price, ₩
KA.730	Bottle, w/ Push Cap, LDPE, 1㎖, Φ 8×h32mm	10ea	4,120	50pk	189,640
KA.731	, 2.5㎖, Φ14×h32mm	10ea	4,120	10pk	37,940
KA.737	, 5㎖, Φ15×h49mm	10ea	5,890	10pk	54,400
KA.733	, 7㎖, Φ23×h33mm	10ea	7,630	10pk	70,500
KA.732	, 8㎖, Φ17×h57mm	10ea	6,600	10pk	60,920
KA.734	, 20㎖, Φ25×h74mm	10ea	7,020	10pk	64,750
KA.736	, 25㎖, Φ31×h53mm	5ea	5,620	10pk	51,930
KA.735	, 35㎖, Φ31×h75mm	5ea	6,050	10pk	55,940



Kartell® LDPE Screwcap Sample Bottle, 5~180㎖, <Italy-Made> LDPE 샘플 바틀

* −50℃+80/90℃ Stable, Perfect Sealing, Heavy Wall. for Liquid / Solid
* Non-Autoclavable
* Leak-proof
* Suitable for Foodstuff

〈L1〉

		Ea.	Price, ₩	Pk.	Price, ₩
KA.910	Bottle, w/ Screwcap, LDPE, 5㎖ , Φ21×h36mm		3,890	10ea	37,650
KA.911	, 10㎖ , Φ21×h58mm		4,670	10ea	45,020
KA.912	, 30㎖ , Φ35×h53mm		5,400	10ea	52,340
KA.913	, 60㎖ , Φ35×h94mm		6,600	10ea	63,850
KA.914	, 90㎖ , Φ55×h63mm		8,130	10ea	78,670
KA.916	, 180㎖, Φ55×h110mm		9,240	10ea	89,600

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description


(1)


(2)

VITLAB® 250~2,000㎖ Transparent PFA Teflon Bottle, Narrow- & Wide-neck, Autoclavable, DIN/ISO
Excellent for Chemical and Corrosion Resistance, −200℃+260℃, PFA **투명 테플론 세구&광구병**

■ ***Supplied by VITLAB® in Germany***
■ ***Supplied with Hermetically Sealing Screw-caps, Translucent, Stable high Temp and Chemical Attack.***
∗ PFA(Perfluoroalkoxy copolymer), −200℃+260℃ ∗ Ideal for Analytical & Pure Chemicals and High Thermal Stability

※ **Note! When Autoclaving, Loosen Off the PP Screwcap!!**

(1) PFA Narrow-neck Bottle with PFA Screwcap, 250~1,000㎖

∗ ETFE(Ethylene-Terafluorethylene) Screwcap : 150℃, Autoclavable

〈L1〉

		Ea.	Price, ₩
VI.1093.97	Bottle, PFA, 100㎖ , Φ45×h120mm, Cap S28		62,990
VI.1082.97	, 250㎖ , Φ61×h160mm, Cap S28		119,920
VI.1083.97	, 500㎖ , Φ76×h190mm, Cap S28		233,830
VI.1084.97	, 1,000㎖, Φ96×h240mm, Cap S28		251,620

(2) PFA Wide-neck Bottle with PFA Screwcap, 250~2,000㎖

		Ea.	Price, ₩
VI.1094.97	Bottle, PFA, 250㎖ , Φ61×h150mm , Cap S40		171,820
VI.1095.97	, 500㎖ , Φ76×h179mm , Cap S40		248,170
VI.1096.97	, 1,000㎖, Φ96×h217mm , Cap S40		341,520
VI.1097.97	, 2,000㎖, Φ130×h245mm, Cap S40		900,040

(3) Spare, PFA Screwcap

		Ea.	Price, ₩
VI.1026.97	PFA Screwcap, −200℃+260℃, GL-28		39,490
VI.1028.97	, GL-40		46,990


(1) Narrow-neck Bottle


(2) Wide-neck Bottle

PTFE Opaque Bottle, with Screwcap, Narrow- & Wide-neck, 5~5,000㎖
Excellent for Chemical & Corrosion Resistance, Autoclavable, −200℃+280℃, PTFE **바틀, 불투명**

■ ***Supplied by Cowie® in UK(CW.~) & SciLab Korea(SL.~)***
■ ***Supplied with Tight Sealing Screwcap, Opaque, Stable High Temp and Chemical Attack.***
∗ Made of PTFE (PolyTetraFluoroEthylene) ∗ Screwcap Housing for Leak-free Performance
∗ Good for Packaging & Storing of Various Chemical Liquid ∗ Hand Grips for Ease of Manipulation

(1) Narrow-neck Bottle, 5~1,000㎖

〈L1〉

Cat. No.	Capa.	Size	Neck id	Ea. Price, ₩
CW.015.005.2	5㎖	Φ22×h35 mm	10mm	27,240
CW.015.010.2	10㎖	Φ26×h50 mm	12mm	37,890
CW.015.025.2	25㎖	Φ33×h61 mm	19mm	48,600
CW.015.050.2	50㎖	Φ43×h76 mm	25mm	60,090
SL.Bot4002	100㎖	Φ52×h103 mm	22mm	50,890

Cat. No.	Capa.	Size	Neck id	Ea. Price, ₩
SL.Bot4003	150㎖	Φ54×h108 mm	22mm	57,680
SL.Bot4004	200㎖	Φ67×h113 mm	33mm	67,820
SL.Bot4005	250㎖	Φ69×h118 mm	34mm	74,620
SL.Bot4006	500㎖	Φ81×h148 mm	35mm	127,870
SL.Bot4007	1Lit	Φ100×h190 mm	47mm	220,450

(2) Wide-neck Bottle, 50~5,000㎖

Cat. No.	Capa.	Size	Neck id	Ea. Price, ₩
SL.Bot4001	50㎖	Φ51×h97 mm	27mm	44,100
CW.015.100.2	100㎖	Φ52×h88 mm	35mm	85,500
CW.015.150.2	150㎖	Φ60×h90 mm	35mm	91,630
CW.015.250.2	250㎖	Φ67×h115 mm	42mm	109,800

Cat. No.	Capa.	Size	Neck id	Ea. Price, ₩
CW.015.500.2	500㎖	Φ80×h150 mm	52mm	166,340
CW.015.1000.2	1Lit	Φ100×h185 mm	57mm	257,250
CW.015.2000.2	2Lit	Φ120×h240 mm	60mm	467,280
CW.015.5000.2	5Lit	Φ170×h335 mm	80mm	1,042,380



Cowie® PTFE Straight Sided Bottle, with Heavy Wall Construction, 15~2200㎖
With PTFE Screwcap, −200℃+280℃ Stable, <UK-Made> PTFE **테플론 바틀, 불투명**

■ ***Supplied with Tight Sealing Screwcap, Opaque, Stable High Temp and Chemical Attack.***
∗ Autoclavable ∗ 2,200㎖ Jar can be Used for EPA Method 1311 TCLP. ∗ Pure, Virgin Material, PTFE
∗ Smooth Internal Finish

〈L1〉

		Ea. Price, ₩
CW.038.015	Bottle, 15㎖ , Φ36×h34mm	43,720
CW.038.030	, 30㎖ , Φ36×h62mm	57,040
CW.038.060	, 60㎖ , Φ60×h46mm	69,420
CW.038.120	, 120㎖, Φ72×h62mm	95,820
CW.038.240	, 240㎖, Φ72×h100mm	122,180
CW.038.360	Bottle, 360㎖ , Φ90×h95mm	175,450
CW.038.480	, 480㎖ , Φ90×h125mm	197,170
CW.038.1000	, 1000㎖, Φ110×h160mm	319,280
CW.038.2200	, 2200㎖, Φ134×h260mm (Body Φ120)	610,800

Articles	Cat. No	Description

SciLab® 20mm Crimptop Serum Bottle, Alu-seals, Septa, Crimper, and Decapper : Separately

With "USP-I" Boro 5.0 Glass, Clear & Amber, Normal Grade, 5~20㎖ Crimptop 세럼 바틀, 알루미늄씰, 셉타, 크림퍼 and 디캐퍼 별매



(1) 5 ~ 20㎖, Bottles Only, Clear & Amber

■ ***Supplied by SciLab Korea***

* Borosilicate Clear Glass Bottles : 5~20㎖, 20mm Crimptop
* Flat Bottom Bottles that can Maximize Heating Efficiency

(1) 20mm Crimptop Bottles, without Seal/Septa

<L1>

Clear Glass Bottles

		Pk.	Price, ₩
SL.Vi1361	Bottles, Clear, Crimptop, 5㎖ , Φ22.5×h38mm	100ea	34,970
SL.Vi1365	, 10㎖, Φ22.5×h46mm	100ea	35,770
SL.Vi1368	, 20㎖, Φ22.5×h75mm	100ea	53,350

Amber Glass Bottles

		Pk.	Price, ₩
SL.Vi1362	Bottles, Amber, Crimptop, 5㎖ , Φ22.5×h38mm	100ea	38,640
SL.Vi1366	, 10㎖, Φ22.5×h46mm	100ea	39,430
SL.Vi1369	, 20㎖, Φ22.5×h75mm	100ea	70,630



(2), (3) 20mm, Seal & Septa

(2) 20mm Opentop Alu-Seals with Septa

* with Φ10mm Center Hole

		Pk.	Price,₩	Cs.	Price,₩
SL.Vi1386	Seal, 20mm, with Beige PTFE/Red Silicone Septa.	100ea	79,470	10pk	735,180
SL.Vi1387	, with Natural PTFE/Silicone Septa.	100ea	72,080		

(3) 20mm Opentop Alu-Seal and Septa Separately

		Pk.	Price,₩	Cs.	Price,₩
SL.Vi1385	Seal, 20mm, without Septa.	100ea	28,290	10pk	261,430
SL.Vi1381	Septa, with White PTFE/Blue Silicone Septa, thickness 3mm.	100ea	56,300		
SL.Vi1382	, with Natural PTFE/Natural Silicone Septa, thickness 3mm.	100ea	56,300		
SL.Vi1383	, Pharma-Fix Flanged, Butyl/PTFE Coated, Shore A 50°.	100ea	174,550	10pk	1,615,900
SL.Vi1384	, Moulded Butyl/PTFE-coated	100ea	129,740	10pk	1,200,940



incl. Carrying Case

SciLab® Handy Crimper and Decapper, for 11 & 20mm Aluminum Seals

For Standard Seals, with Carrying Case, 알루미늄 Seals 크림퍼와 디캐퍼

■ ***Supplied by SciLab Korea***
* Light Weight (11mm : 450g / 20mm : 500g) and Easy to Operate
* Using for Aluminum Seals
* including Carrying Case with Foam-Insert
* Ergonomic Handle

<L1>

Crimper, 11 & 20mm

		Ea.	Price, ₩
SL.Vi1104	Crimper , Ergonomic Manual Type, for 11mm Aluminum Seals.		630,730
SL.Vi1371	, for 20mm Aluminum Seals.		637,170

Decapper, 11 & 20mm

		Ea.	Price, ₩
SL.Vi1105	Decapper, Ergonomic Manual Type, for 11mm Aluminum Seals.		630,730
SL.Vi1372	, for 20mm Aluminum Seals.		637,170



Handy Plier Decapper

Wheaton® Handy Pliers Decapper, Easy Way to Remove Seals

For 13 & 20mm Aluminum Seal, Made of Steel, <USA-Made> 알루미늄 Seals 디캐퍼, 플라이어 (펜치)식

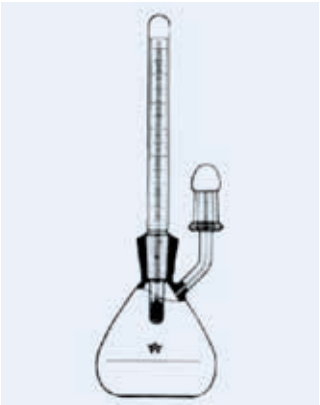
* In Expensive & Easy Way to remove Seals
* Plastic Coated Handles
* for 13 or 20mm Aluminum Seals

<L1>

		Ea.	Price, ₩
WH.224372	Decapper, Pliers, for 13 mm Seals		246,470
WH.224373	, for 20 mm Seals		255,820

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



"witeg" Premium Specific Gravity Bottle/Pycnometer, Gaylussae-type, 5~100㎖
With Thermometer Joint 10/19 and Side Tube with 7/16 Joint Cap, Boro Glass, ASTM/DIN, **비중병/피크노메타**

■ ***Supplied by "witeg" in Germany***

* ASTM / DIN
* Capacity Mark Indicated at the Bottom
* Thermometer 10℃~35℃ divi. 0.2℃
* Ideal for Measuring the Specific Gravity of the Powder Samples Obtained by Wet

〈L1〉

		Ea. Price, ₩
WI.3920005	Pycnometer with thermometer, Tolerance ±0.006㎖, 5㎖	164,950
WI.3920010	, Tolerance ±0.008㎖, 10㎖	131,840
WI.3920025	, Tolerance ±0.010㎖, 25㎖	137,120
WI.3920050	, Tolerance ±0.016㎖, 50㎖	143,680
WI.3920100	, Tolerance ±0.024㎖,100㎖	153,020

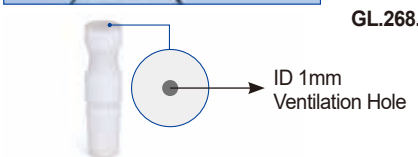


Glassco® A-class Calibrated Specific Gravity Bottle/Pycnometer, with Individual Work Certificate, 10~100㎖
Gaylussae-type, Boro-glass 3.3, with 10/15 PTFE Vented Joint Stopper, **A급 보증서부 비중병/피크노메타**

* Made of ASTM 438 Type 1 Boro-glass 3.3 and As per DIN/ISO 3507
* Used in the Testing of Specific Gravity Test of Powder Phase

〈L1〉

		Ea. Price, ₩	Pk. Price, ₩
GL.268.223.01	Bottle, Gay Luisac, A-class, 10㎖ accu. ±1.0㎖	26,890	2ea 52,170
GL.268.223.02	, 25㎖ accu. ±2.0㎖	28,440	2ea 55,170
GL.268.223.03	, 50㎖ accu. ±3.0㎖	33,500	2ea 64,990
GL.268.223.04	, 100㎖ accu. ±3.0㎖	35,590	2ea 69,030
GL.268.277.02	**Spare;** PTFE Joint Stopper, Vented, 10/15	3,050	10ea 29,450



Spare; PTFE Vented Stopper

, Sprayers 분무기







SciLab® GL45 Glass Spray Bottle, for Reagent/Chromatography, 100~500㎖
With Safety GL Screw System/PTFE Inner Tube, Graduated, **눈금 스프레이어**

■ ***Graduated, With PP Opentop Screwcap With DURAN PTFE/Silicone O-Ring Connection Seal ; Chemicals & Hi-Temp(140℃) Resistance***

(1) With Clear Glass Bottle, Boro 3.3

〈L1〉

		Ea. Price, ₩
SL.Bot2060	Spray Btl. Clear, GL 45, 100㎖	66,570
SL.Bot2061	, 250㎖	67,340
SL.Bot2062	, 500㎖	68,290

(2) With Amber Glass Bottle, Soda Lime

		Ea. Price, ₩
SL.Bot2065	Spray Btl. Amber, GL 45, 100㎖	66,050
SL.Bot2066	, 250㎖	66,700
SL.Bot2067	, 500㎖	67,240

(3) Optional Pressure Rubber Bulb

		Ea. Price, ₩
WI.3157000	Bulb, for Pressure	11,180

Articles	Cat. No	Description



Wisd™ 500㎖ PP Reversible Spray Bottle, Autoclavable, Fine Graduated
With Transparent, PP 분무기, 어떤위치(거꾸로)로도 분주 가능

■ ***Made in Korea***
* Bottle : PP(Polypropylene), Autoclavable.
* Atomizer : PP & PE(Polyethylene), Non-Autoclavable.
* Tubing : Silicone, Autoclavable.
* Adjustable from a Fine Mist to a Narrow Jet Reaching 3~4 meter

■ ***Works from any angle***
* Ideal for Clinical, Hospital & Lab
* Anti-Spray Function for Safety
* with Overhead Valve

〈B1〉

		Ea. Price, ₩
DH.Bot3251	Spray Bottle, PP, 500㎖, Φ80×h214mm	7,320



400~850㎖ PET Reversible Spray Bottle, High Transparent
Suitable for liquids Spray, PET 분무기, 어떤위치(거꾸로)로도 분주 가능

■ ***Made in Korea***
■ ***Works from any angle***
■ ***High Transparent PET(Polyethylene Terephthalate) Bottle***
* Ideal for Instant Sanitizer, water
* Anti-Spray Function for Safety
* Adjustable from a Fine Mist to a Narrow Jet Reaching 3~4 meter
* Non-Autoclavable, up to 60℃
* with Overhead Valve

〈B1〉

		Ea. Price, ₩
DH.Bot3256	(1) Spray Bottle, PET, 400㎖, Φ73×h219mm	7,110
DH.Bot3257	(2) , 650㎖, Φ87×h213mm	7,510
DH.Bot3258	(3) , 850㎖, Φ87×h245mm	7,790



500㎖ PP Spray Bottle, Autoclavable, Transparent, Fine Graduated
Adjustable from a Fine Mist to a Narrow Jet Reaching 3~4 meter, PP 분무기

■ ***Made in Korea***
* Bottle : PP(Polypropylene), Autoclavable.
* Atomizer : PP & PE(Polyethylene), Non-Autoclavable.
* Anti-Spray Function for Safety
* Adjustable from a Fine Mist to a Narrow Jet Reaching 3~4 meter
* Ideal for Clinical, Hospital & Lab
* with Overhead Valve

〈B1〉

		Ea. Price, ₩
DH.Bot3221	Spray Bottle, PP, 500㎖, Φ80×h214mm, neck Φ28mm	2,660



(1) 50 & 250㎖



(2) 500 & 1,000㎖

HDPE Spray Bottle, Gun- & Mini Gun-type, Translucent, 50~1,000㎖
Suitable for Liquids Spray, −50℃+105/120℃, HDPE 분무기

■ ***Supplied by DAIHAN Korea***
■ ***Made of HDPE Bottle & PP Atomizer***
* Anti-Spray Function for Safety
* 50 & 250㎖ : Mini Gun-type, neck Φ24mm
* 500 & 1000㎖ : Gun-type, neck Φ28mm, Adjustable from a Fine Mist to a Narrow Jet Reaching 3~4 meter.
* The straw is longer then the container and must be cut to fit it.

〈B3〉

(1) Mini Gun-type, 50 & 250㎖

		Ea. Price, ₩
DH.Bot3211	Spray Bottle, HDPE, 50㎖ , Φ33×h130mm	790
DH.Bot3212	, 250㎖, Φ51×h200mm	990

(2) Standard-type, 500 & 1,000㎖

		Ea. Price, ₩
DH.Bot3214	Spray Bottle, HDPE, 500㎖ , Φ63×h235mm	1,170
DH.Bot3215	, 1,000㎖, Φ82×h285mm	1,320



Burkle® PP Spray Bottle, with PP/SS Pump Vaporizer & Cap, 50~250㎖
With Transparent, Push Button, and Dust Cover, −10℃+125/140℃, PP 투명펌프 분무기

■ ***Made in Germany***
* Translucent HDPE Bottle, PP / Stainless-steel Spray Pump & Button
* With Pump Vaporizer, Safety Cap, and a Push Button : Finely Vaporized

〈L1〉

		Ea. Price, ₩
BK.0309.3005	Spray Bottle, PE, 50㎖ , Φ35×h110mm	6,520
BK.0309.3100	, 100㎖, Φ37×h161mm	4,690
BK.0309.3025	, 250㎖, Φ50×h222mm	5,500

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



PP Spray Bottle, with Pressure Atomizer, SS Nozzle, 1.2 & 1.8-Lit
For General Purpose, with Graduation, Non-Breakage, Q-Mark, **다용도/강력 압축 분무기**

* Good for Water Compressing Spray
* Non-Breakage Transparent PP Bottle
* Stainless-steel Nozzle for Corrosion Resistance
* Powerful Spray by Hand Pump Compressed Air
* Adjustable from a Fine Mist to a Narrow Jet Reaching 7meter

〈B3〉

Cat. No		Ea.	Price, ₩
0493-903	Spray Bottle, 170×130×290mm, 1.2Lit		8,560
0493-902	, 180×140×310mm, 1.8Lit		9,800

, Washing-Gas 세척병





SciLab® Gas Washing Bottle, Safety GL Screw System & Graduation, SciLab glass 100~1,000㎖
With GL45 PP Opentop Screwcap with PTFE / Silicone O-ring, Autoclavable, **눈금부 안전가스 세척병**

■ Supplied by SciLab Korea ***■ Custom-Made Available / 규격외 Items 자유롭게 주문하세요!***
■ PP GL45 Opentop Screwcap

* Graduated, Autoclavable. * (1) With or (2) Without Glass Filter Disc.
* 125/140℃ PP Screw (GL45) Cap with PTFE / Silicone O-Ring ; Perfect Sealing and Fit to All GL45 Bottles.
* Replaceable Parts In-let / Out-let PP Screw (GL14) Connection Tube Kit : Φ9mm Olive

(1) With Glass Filter Disc P1, 250~1,000㎖

〈L1〉

* Porosity P1 : 100㎛ ~ 160㎛

Cat. No		Ea.	Price, ₩
SL.Bot2085C	Gas Wash Bottle, GL45 Sys.100~160㎛, GL14 In-Out, 250㎖ , Φ70mm		84,550
SL.Bot2086C	, 500㎖ , Φ86mm		102,460
SL.Bot2087C	, 1,000㎖, Φ101mm		109,100

(2) Without Filter ; 100~500㎖

Cat. No		Ea.	Price, ₩
SL.Bot2075C	Gas Wash Bottle, GL45 Sys. GL14 In-Out, 100㎖, Φ56mm		67,210
SL.Bot2076C	, 250㎖, Φ70mm		72,100
SL.Bot2077C	, 500㎖, Φ86mm		76,990



PC Gas Wash Bottle, with PE Cap & Silicone O-Ring, 250~1,000㎖
Ideal for Low Temperature, PC **가스 세척병, 저온용에 최적**

■ Supplied by SciLab Korea

* Material : Body / PC(Polycarbonate), Tube cap / PE(Polyethylene), O-ring / Silicone

〈L2〉

Cat. No		Ea.	Price, ₩
SL.Bot3801	Gas Wash Bottle, PC, 250㎖ , Φ65×h145mm , Tube od.Φ8mm		69,450
SL.Bot3802	, 500㎖ , Φ80×h180mm , Tube od.Φ8mm		79,930
SL.Bot3803	, 1,000㎖, Φ100×h210mm, Tube od.Φ8mm		94,100

Articles	Cat. No	Description

Wisd™ Reagent Label Sticker, for Wash- or Reagent- Bottle, Transparent, with 4 Colors, L125×h45mm
With White Marking Area, Printed Reagent Names & Molecular Formula & CAS Number and NFPA, **시약명 투명 접착라벨**





■ ***Supplied by DAIHAN Korea*** ＊Compliant with NFPA-diamond Symbol (National Fire Protection Agency)

〈L1〉

Cat. No.	Reagent	Color	Ea. Price ₩
DH.Lab3001	Acetic Acid	Orange	380
DH.Lab3002	Acetone	Orange	380
DH.Lab3003	Acetonitrile	Orange	380
DH.Lab3004	Deionized Water	Green	380
DH.Lab3005	Distilled Water	Green	380
DH.Lab3006	Ethanol	Blue	380
DH.Lab3007	Ethyl Acetate	Red	380
DH.Lab3008	Heptane	Orange	380
DH.Lab3009	n-Hexane	Orange	380

Cat. No.	Reagent	Color	Ea. Price ₩
DH.Lab3011	Isopropanol	Blue	380
DH.Lab3012	Methanol	Blue	380
DH.Lab3013	Methylene Chloride	Orange	380
DH.Lab3014	Methyl Ethyl Ketone	Red	380
DH.Lab3015	Pentane	Orange	380
DH.Lab3016	Tetrahydrofuran	Orange	380
DH.Lab3017	Toluene	Red	380
DH.Lab3018	Xylene	Red	380
-	-	-	-

Wisd™ PP Narrow & Wide-neck Wash Bottle, Autoclavable, Fine Graduated, Transparent, 500 & 1,000㎖
Printed DIY Content Marking Panel on Bottle, GL32 & GL45 Blue cap, 0℃~125/140℃ Stable, **마킹형 세구 & 광구 세척병**, PP


(1) Narrow Neck


(2) Wide Neck



(3) Cap Only



(3) Bottle Only

■ ***Made in Korea*** ■ ***Made of Good Chemical/Heat Resistant Polypropylene "PP"***
■ ***2 Types of Neck Size for Your Application : GL32 & GL45 Blue cap*** ■ ***Individually Packaged in PE Bags***
＊Precise Spray Jet and optimized Medium Backflow through the Continuous and Finely Drawn Tip of the Spray Tube
＊Write-on it with Pen or Marker
※ ***Note! When Autoclaving, Loosen Off the PP Screwcap!!***

〈L1〉

(1) Narrow-neck Type, GL32 Blue Cap, 500 & 1,000㎖

		Ea.	Price,₩	Cs.	Price,₩
DH.Bot3522	Wash Bottle, PP, GL32, 500㎖ , Φ80×h175mm	4,540		25ea	109,940
DH.Bot3523	, 1,000㎖, Φ95×h227mm	5,540		12ea	64,390

(2) Wide-neck Type, GL45 Blue Cap, 500 & 1,000㎖

		Ea.	Price,₩	Cs.	Price,₩
DH.Bot3526	Wash Bottle, PP, GL45, 500㎖ , Φ80×h169mm	4,770		25ea	115,330
DH.Bot3527	, 1,000㎖, Φ95×h221mm	6,730		12ea	78,250

(3) Spare Dispensing Blue Cap and Bottle

		Ea.	Price, ₩
DH.Cap3031	Cap Only, PP, for Wash Bottle, GL32, Φ37.6×h26.0mm		2,900
DH.Cap3032	, GL45, Φ51.5×h28.0mm		3,030
DH.Bot3531	Bottle Only, PP, N-N, GL32, 500㎖ , Φ80×h175mm		2,440
DH.Bot3532	, 1,000㎖, Φ95×h227mm		3,500
DH.Bot3536	, W-N, GL45, 500㎖ , Φ80×h169mm		2,580
DH.Bot3537	, 1,000㎖, Φ95×h221mm		4,820



SciLab® 500㎖ LDPE Wide-neck Wash Bottle, Printed 4 Kinds of Lab Solvents
With Marking area, −50℃+80/90℃ Stable, PE **광구 세척병**

■ ***Made in Korea*** ■ ***Made of Low-density polyethylene*** ■ ***캡과 노즐이 일체형으로 시액 누출이 없음***
■ ***Printed with 4 Popular Laboratory Solvents(Acetone, Ethanol, Methanol, Water)***
＊Wide Neck Wash Bottles for Easy Identification of Contents ＊Good for Smooth Working

〈L1〉

		Ea.	Price, ₩
SL.Bot3515	Wash Bottle, LDPE, Neck id Φ45mm, 500㎖, Φ72×h170mm, Acetone		3,750
SL.Bot3516	, Ethanol		3,750
SL.Bot3517	, Methanol		3,750
SL.Bot3518	, Water		3,750


(1)


(2)

SciLab® LDPE Narrow & Wide-neck Wash Bottle, Transparent, 250~1,000㎖
With Colored Cap, Chemical & Solvent Resistant, −50℃+80/90℃, LDPE **세구 & 광구 세척병**

■ ***Made in Korea*** ■ ***캡과 노즐이 일체형으로 시액 누출이 없음*** ■ ***Ideal for Clinical, Hospital & Lab***
■ ***2 Types of Neck Size for Your Application : id Φ21mm & Φ45mm*** ＊Good Chemical Resistance
＊Mode of Low-density polyethylene, −50℃+80/90℃ ＊Good Finished, Cap Color cannot be Selected

〈L1〉

(1) Narrow-neck Type, 250~1,000㎖

		Ea.	Price, ₩
SL.Bot3502	Wash Bottle, LDPE, Neck id-Φ21mm, 250㎖ , Φ60×h130mm		1,290
SL.Bot3503	, 500㎖ , Φ72×h170mm		1,530
SL.Bot3504	, 1,000㎖, Φ91×h200mm		1,900

(2) Wide-neck Type, 500 & 1,000㎖

		Ea.	Price, ₩
SL.Bot3512	Wash Bottle, LDPE, Neck id-Φ45mm, 500㎖ , Φ72×h170mm		2,230
SL.Bot3513	, 1,000㎖, Φ90×h210mm		2,900

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description


PE Wash Bottle

Kartell® PE Wash Bottle, with Fine Dispensing Tip, Ultra-fine Stream, 50~1,000㎖

Ideal for Distilled Water and Liquid Solvent, −40℃+80/90℃, <Italy-Made> PE **세척병, 정밀 분주팁 부착형**

〈L1〉

∗ Dispensing Tip Gives Ultra-fine Stream or Can be Removed to Increase Flow.

Cat. No		Ea.	Price, ₩	Cs.	Price, ₩
KA.179	Wash Bottle, Fine, PE, 50㎖ , Φ35×h96mm		3,530	10ea	34,120
KA.180	, 100㎖ , Φ43×h115mm		3,820	10ea	36,900
KA.182	, 250㎖ , Φ60×h140mm		4,880	10ea	47,190
KA.183	, 500㎖ , Φ75×h180mm		5,540	10ea	53,630
KA.185	, 1,000㎖, Φ95×h220mm		7,980	10ea	77,370



Kartell® PE Unitary Wash Bottle, with GL32 Cap, Ultra-fine Stream, 40℃+80/90℃, 250 & 500㎖

Ideal for Distilled Water & Light Lab Solution, <Italy-Made> PE **일체형 세척병, 정밀 분주팁 부착형**

〈L1〉

∗ Easy squeeze wash Bottles with Integral Moulded Tube.
∗ Special Shape for Easy Grip and Stability ∗ Suitable for Foodstuff.

Cat. No		Ea.	Price, ₩	Pk.	Price, ₩
KA.1633	Wash Bottle, Unitary, PE, GL32, 250㎖, h140mm		5,990	10ea	57,970
KA.1634	, 500㎖, h178mm		6,830	10ea	66,100



Azlon® LDPE Tracker Wash Bottle, Write-On Panel for Traceability, Vented, 250 & 500㎖

With PP Vapor Venting Cap, Ideal for Clinical · Hospital · Lab, −50℃+80/90℃, **트래커 세척병**

■ ***Supplied by Azlon® in UK*** ■ ***완전한 추적을 위해 라벨링 기능이 완비된 세척병.***
■ ***Designed with Complete Labelling Facility to ensure Full Traceability***
∗ Bottle : Flexible LDPE(Low Density Polyethylene), Closure : One-piece PP(Polypropylene)
∗ Unique Write-On, Wipe-Off Panel
∗ Recordable Information : Bottle Contents, First Use and Expire Dates, Lot no., COSHH Information, Originator, and Date of Receipt/Preparation
∗ Supplied with a Set of COSHH Labels
∗ DripLok® Vapour Venting Cap for Ultimate Safety with Volatile Solvents Preventing Hazardous Drips
∗ Meets Industry Standards Including those Required by the Clinical Pathology Accreditation body

〈L2〉

Cat. No		Ea.	Price, ₩	Pk.	Price, ₩
Az.WTR250VT	Tracker Wash Bottle, Vented Cap 46 Red, 250㎖		10,880	5ea	52,690
Az.WTR500VT	, 500㎖		13,620	5ea	65,950

Azlon® LDPE Wide Neck Wash Bottle, Printed 3 Water and 5 Solvent Labels, Non-Vented, 250 & 500㎖

Indelibly Printed in 4 Languages, with Color Coded PP Closures, −50℃+80/90℃, LDPE **광구세척병**



■ ***Supplied by Azlon® in UK***
■ ***워터 3종과 솔벤트 5종 라벨이 4개 언어로 프린트되어 있고 캡색깔로 구별되는 광구세척병***
■ ***Indelibly Printed in 4 Languages (English, French, German, and Spanish)***
∗ Bottle : Flexible LDPE(Low Density Polyethylene), Closure : One-piece Color Coded PP(Polypropylene)
∗ Three Water and Five Solvent Labels All Including the New Globally Harmonized Symbols, NFPA-diamond, Risk Phases and Safety Information
∗ Closures feature Precision Jet-tip Aperture for Fine Control

〈L1〉

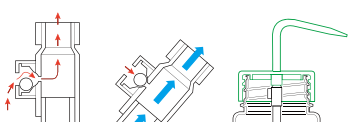
Cat. No		Ea.	Price, ₩	Pk.	Price, ₩
Az.WGW600P	Wash Bottle, for Distilled Water, Cap 46 White, 250㎖		9,480	5ea	45,950
Az.WGW601P	, 500㎖		9,700	5ea	47,050
Az.WGW602P	, for Deionised Water, Cap 46 White, 250㎖		9,480	5ea	45,950
Az.WGW603P	, 500㎖		9,700	5ea	47,050
Az.WGW530P	, for Water, Cap 46 White, 250㎖		9,090	5ea	43,980
Az.WGW536P	, 500㎖		9,700	5ea	47,050
Az.WGW531P	, for Acetone, Cap 46 Red, 250㎖		9,090	5ea	43,980
Az.WGW537P	, 500㎖		9,700	5ea	47,050
Az.WGW532P	, for Methanol, Cap 46 Green, 250㎖		9,090	5ea	43,980
Az.WGW538P	, 500㎖		9,480	5ea	45,950
Az.WGW533P	, for Isopropanol, Cap 46 Blue, 250㎖		9,090	5ea	43,980
Az.WGW539P	, 500㎖		9,700	5ea	47,050
Az.WGW534P	, for I.M.S, Cap 46 Yellow, 250㎖		9,090	5ea	43,980
Az.WGW540P	, 500㎖		9,480	5ea	45,950
Az.WGW535P	, for Ethanol, Cap 46 Orange, 250㎖		9,270	5ea	44,880
Az.WGW541P	, 500㎖		9,700	5ea	47,050

Articles | Cat. No | Description

Azlon® LDPE Safety Venting Wide Neck Wash Bottle, Printed 5 Solvent Labels, 250 & 500㎖
Indelibly Printed in 4 Languages, Color Coded PP Closures, −50℃+80/90℃, LDPE **안전벤트캡 광구세척병**



LDPE Wide Neck Bottles, Round



■ ***Supplied by SciLabware® in UK***
■ ***솔벤트 5종 라벨이 4개 언어로 프린트되어 있고, 색깔로 구별되는 안전벤트캡이 바틀 내 휘발성 증기를 자동 배출시키는 광구세척병***
■ ***Patented DripLok® Vapour Venting Valve that Prevents Hazardous Solvent Drips.***
* Bottle : Flexible LDPE(Low Density Polyethylene), Closure : One-piece Color Coded PP(Polypropylene)
* Five Solvent Labels All Including the New Globally Harmonized Symbols, NFPA Diamond, Risk Phrases and Safety Information
* Indelibly printed in 4 languages (English, French, German and Spanish)
* Closures feature Precision Jet-tip Aperture for Fine Control

〈L1〉

		Ea.	Price, ₩	Pk.	Price, ₩
Az.WGW531V	Wash bottle, for Acetone, Vented Cap 46 Red, 250㎖	9,960		5ea	48,190
Az.WGW537V	, 500㎖	10,550		5ea	51,060
Az.WGW535V	, for Ethanol, Vented Cap 46 Orange, 250㎖	9,960		5ea	48,190
Az.WGW541V	, 500㎖	10,550		5ea	51,060
Az.WGW534V	, for I.M.S, Vented Cap 46 Yellow, 250㎖	9,770		5ea	47,300
Az.WGW540V	, 500㎖	10,250		5ea	49,650
Az.WGW533V	, for Isopropanol, Vented Cap 46 Blue, 250㎖	9,960		5ea	48,190
Az.WGW539V	, 500㎖	10,550		5ea	51,060
Az.WGW532V	, for Methanol, Vented Cap 46 Green, 250㎖	9,770		5ea	47,300
Az.WGW538V	, 500㎖	10,550		5ea	51,060



Kartell® First Eyd® Emergency Eye-Wash Station, Imprinted Measures
Consists of PE Eye Wash Bottle and PS Bottle Holder, <Italy-Made> **눈 응급세척 치료장치**

* Emergency Eye Wash Station Moulded in High-impact PS
* Bottle can be Filled with Distilled Water or other Medicated Liquid
* Eye Wash Bottle and Bottle Holder Sold Separately

〈L1〉

		Ea.	Price, ₩	Pk.	Price, ₩
KA.2386	Bottle Holder only, PS	50,240		10ea	487,230
KA.383	Eye Wash Bottle only, PE, 500㎖	23,200		10ea	224,940

, *Weighing 평량병*



Glass Weighing Bottle, with Ground Glass Stopper, Short- & Tall-form, 5~85㎖
Excellent Chemical · Mechanical Resistance, Boro-glass 3.3, **글라스 다용도 평량병**

〈L1〉

(1) Short form, 20~82㎖

		Ea. ₩	Pk. Price, ₩
GL.264.202.01	20㎖, Φ40×h30mm	11,500	10ea 111,500
GL.264.202.03	35㎖, Φ50×h35mm	17,820	10ea 172,770
GL.264.202.05A	40㎖, Φ60×h40mm	27,000	10ea 261,750
GL.264.202.04	50㎖, Φ50×h50mm	19,620	10ea 190,040
GL.264.402.07	82㎖, Φ70×h33mm	40,820	10ea 395,720

(2) Tall form, 5~85㎖

		Ea. ₩	Pk. Price, ₩
GL.264.202.06	5㎖ , Φ20×h40mm	5,970	10ea 57,730
GL.264.202.07	15㎖, Φ25×h50mm	7,080	10ea 68,470
GL.264.202.08	25㎖, Φ30×h60mm	9,250	10ea 89,650
GL.264.202.09	60㎖, Φ40×h80mm	13,950	10ea 135,280
GL.264.407.07	85㎖, Φ50×h60mm	19,980	10ea 193,630



Kartell® PP Universal Use Weighing Bottle, Transparent, 20~360㎖
Excellent Chemical Resistance, Autoclavable, 0℃~125/140℃, <Italy-Made> **PP 다용도 평량병**

* PP(Polypropylene) * Good Chemical & Temp-Resistance * Multi-use : Weighing, Sampling and Storage.

〈L1〉

(1) Short form, 20~50㎖

		Ea. Price,₩	Pk. Price, ₩
KA.342	20㎖, Φ40×h30mm	6,450	10ea 62,500
KA.345	30㎖, Φ50×h30mm	6,620	10ea 64,100
KA.346	50㎖, Φ60×h34 mm	7,490	10ea 72,580

(2) Tall form, 23~360㎖

		Ea. Price,₩	Pk. Price, ₩
KA.340	23㎖ , Φ30×h50mm	6,020	10ea 58,300
KA.343	60㎖ , Φ40×h70mm	6,590	10ea 63,880
KA.347	190㎖, Φ60×h90mm	8,750	10ea 84,800
KA.348	360㎖, Φ70×h120mm	9,980	10ea 96,730

※ The Price(VAT is extra) for Korean End-user, and Changeable.



Kartell® Bottle Rack(PP) and 9-rows Vial Tray(PVC), 126×7㎖ Vials
Up to 18×500㎖ or 12×1Lit Bottle, <Italy-Made> PP 바틀랙 & PVC 바이알 트레이

∗ 548 is a tough 12Liters autoclavable Tray for a Variety of Uses ∗ Can Hold 18×500㎖ or 12×1Lit bottles.
∗ 952 is a Strong PVC Tray for Holding Sample Bottles with Base Diameter not Greater than 22mm
∗ Ideal for 7㎖ (1/4oz) Bijou Bottles or Specimen Tubes
∗ Each of Nine Rows can Hold 12 of such Bottles Making a Total Capacity of 126

〈L1〉

		Ea.	Price,₩
KA.548	Bottle Rack, PP, Hold up to 12×1Lit Bottles, 510×350×h105mm		34,580
KA.952	Vial Tray, PVC, 9-row, 350×25×h40mm		51,040



(1) 6×holes to Φ95mm



(2) 4×holes to Φ120mm

Kartell® Bottle Carrier, HDPE, for 6×1Lit(to Φ95mm) and 4×2Lit(to Φ120mm)
With Fold-Handle, Stackable, −50℃+105/120℃, <Italy-Made> HDPE 바틀 캐리어

∗ High Density Polyethylene(HDPE), Heavy-Duty Structure. ∗ Handle : Ergonomic Design, and Can be Easily Stacked.
∗ (1) #395 : 6 places for up to Φ 95mm Bottles : <ex>1000㎖×6ea
∗ (2) #396 : 4 places for up to Φ120mm Bottles : <ex>2000㎖×4ea

〈L1〉

		Ea.	Price, ₩	Cs.	Price, ₩
KA.395	(1) Bottle Carrier, PE, 6×holes, (95×95×Deep 150mm) 210×300×h320mm		13,340	5ea	64,600
KA.396	(2) Bottle Carrier, PE, 4×holes, (Φ120×Deep 150mm) 270×270×h310mm (Handle Folded)		15,330	5ea	74,280



Bottle Carrier Tray, PP, Single Handhead-type, White, Up to 6×Φ86mm Bottles (ex.500㎖)
With 2 Rows & Center Handle, −10℃+125/140℃, PP 보관/운반용 바틀 캐리어, 운반손잡이

■ ***Supplied by SciLab Korea***
■ ***Capacity ; Up to 6 Pcs of Φ86mm (500㎖) Bottles : 500㎖(Φ86mm) 이하의 바틀용.***
∗ Single Handhead-type : Ideal for Carrying Reagents or Laboratory Apparatus from one place to another
∗ Inside : 338×211×h110mm, and 2 Rows. ∗ Autoclavable.

〈L1〉

		Ea.	Price, ₩	Pk.	Price, ₩
SL.Rac3001	Carrier Tray, PP, 380×240×h115 mm		28,520	6ea	165,830

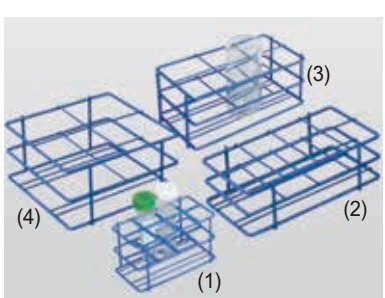


Bottle Rack, PP, Autoclavable, 388×283×h125mm, −10℃+125/140℃
With Adjustable Assembly Partition, PP 칸수 조절식 바틀랙

∗ Partition : 2 horizontal, 3 Vertical, Divider ∗ Outer size : 388×283×h125mm, Inner size : 335×250×h105mm
∗ Capacity : Up to Φ60mm(Equivalent 100㎖) - 20 bottles, Up to Φ78mm(Equivalent 500ml) - 12 bottles
Up to Φ110mm(Equivalent 1000㎖) - 4 bottles

〈L2〉

		Ea.	Price, ₩
SL.Rac3212	Rack, PP, Bottle, 388×283×h125mm, Blue		37,070
SL.Rac3213	, Yellow		30,630
SL.Rac7221	Spare Inner Divider, for Length, for Horizontal, 335×85mm		7,470
SL.Rac7222	, for Width , for Vertical , 255×85mm		3,890

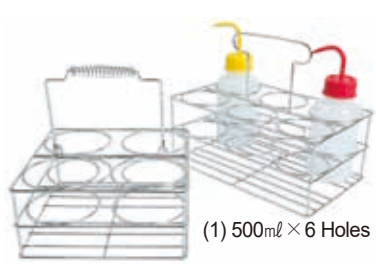


SciLab® Bottle & Centrifuge Tube Rack, 4~8 Places(Φ30~Φ97mm), Epoxy-coated Steel
Ideal for up to 500㎖ Bottles, Autoclavable, 121℃, 에폭시 코팅 스틸 랙

■ ***Supplied by SciLab Korea*** ■ ***부식 방지를 위해 에폭시 코팅으로 표면 처리***
∗ Good Finished for Safety Work
∗ Excellent Chemical and Thermal Resistance, Autoclavable

〈L1〉

		Ea.	Price,₩
SL.Rac7005	(1) Rack, Epoxy-coated, 8×Φ30mm hole, for 50㎖, 150×82×h82mm		16,400
SL.Rac7007	(2) , 8×Φ52mm hole, for 100㎖, 230×128×h70mm		22,000
SL.Rac7006	(3) , 6×Φ60mm hole, for 250㎖, 210×136×h103mm		32,000
SL.Rac7008	(4) , 4×Φ97mm hole, for 500㎖, 210×205×h100mm		39,000



(1) 500㎖×6 Holes

(2) 1,000㎖×4 Holes

SciLab® Bottle Rack, Stainless-steel Wire, with Handle, for 500 & 1,000㎖
Up to 500㎖×6 holes(Φ75mm) & 1,000㎖×4 holes(Φ95mm), 3-Tier, 스텐선 바틀랙

■ ***Made in Korea*** ■ ***세척병 등의 운반/보관에 적합*** ∗ 6×holes(Φ75mm) & 4×holes(Φ95mm), with Handle.
∗ Stainless-steel Rack with 3 Lines Carrying Clean Bottles / Suitable for Storage

〈L1〉

(1) Wire Bottle Rack, for 500㎖×6 holes(Φ75mm)

		Ea.	Price, ₩
SL.Rac7021	Rack, Bottle, 6×Φ75mm, 290×185×h235mm, for 500㎖ Bottle		35,270

(2) Wire Bottle Rack, for 1000㎖×4 holes(Φ95mm)

		Ea.	Price, ₩
SL.Rac7022	Rack, Bottle, 4×Φ95mm, 220×220×h100mm, for 1000㎖ Bottle		35,270

Articles	Cat. No	Description



SciLab® DIN/GL45 Glass Bottle Cap, PP, for All GL45 Glass Bottles
With a Built-in Wedge-shaped Sealing Ring, 125/140℃ Stable, GL45 글라스 바틀전용 캡

■ ***Made in Korea*** ■ ***Fit to All of GL45-screw Glass Bottles*** ∗Autoclavable.

〈L1〉

Cat. No		Pk.	Price, ₩
SL.Cap3105	Basic Screwcap, PP, for GL45 Glass Bottles, od Φ50.0×h25.5mm	10ea	4,470


(1)


(2)

Wisd™ PP Lab Bottle Basic Cap, Blue and Natural, DIN GL-25 · 32 · 45, Autoclavable
With a Built-in Wedge-shaped Sealing Ring, 125/140℃, Wisd™ 플라스틱 PP 랩바틀전용 스크류 캡

■ ***Made in Korea*** ■ ***Made of Good Chemical / Heat Resistant Polypropylene "PP".***
■ ***Fit to All of Wisd™ PP GL Screwcap Bottles.*** ∗121℃ Autoclavable. ∗Opaque Blue Color for Light-Sensitive Materials.

〈L1〉

(1) Basic Caps, Blue

Cat. No		Pk.	Price, ₩
DH.Cap3013	Cap, B, GL25, Φ30.0×h22.5 mm	10ea	3,900
DH.Cap3014	, GL32, Φ37.6×h26.0 mm	10ea	4,430
DH.Cap3015	, GL45, Φ51.5×h28.0 mm	10ea	4,920

(2) Basic Caps, Natural

Cat. No		Pk.	Price, ₩
DH.Cap3017	Cap, N, GL25, Φ30.0×h22.5 mm	10ea	3,900
DH.Cap3018	, GL32, Φ37.6×h26.0 mm	10ea	4,430
DH.Cap3019	, GL45, Φ51.5×h28.0 mm	10ea	4,920

Wisd™ PTFE/Butyl-Septa Sealed DIN PP/GL Universal Green Cap, For All DIN/GL-Screw Neck of Bottle · Flask · Tube · Vessel · Vial
Good Chemical & Heat-Resistance, 125/140℃ Stable, Autoclavable, DIN, GL14~GL45, 만능 GL 스크류캡, 테프론/부틸셉타포함



(1) PP Universal Cap, Septa Attached


(2) PTFE/Butyl Septa

■ ***Made in Korea*** ■ ***모든 GL/DIN Screw Neck 용기와 호환*** ■ ***Chemical Stable PP / PTFE / Butylrubber***
∗Excellent Septa 3mm-thick for Chemical Resistance to PTFE(t.0.3mm) with the Perfect Sealing of Butylrubber(t.2.7mm).

〈L1〉

(1) PP Green, Universal-Cap & PTFE/Butylrubber Septa(Attached) Set

Cat. No		Pk.	Price, ₩
DH.Cap3101	PP Uni-Cap & PTFE/Butyl Septa Set, GL14, Φ18.2×h17 mm	10ea	14,890
DH.Cap3102	, GL18, Φ21.7×h20 mm	10ea	15,620
DH.Cap3103	, GL25, Φ30.0×h23 mm	10ea	20,340
DH.Cap3104	, GL32, Φ37.6×h26 mm	10ea	27,580
DH.Cap3105	, GL45, Φ51.5×h28 mm	10ea	45,550

(2) Spare PTFE/Butylrubber Septa(Thick-3mm) Only

Cat. No		Pk.	Price, ₩
DH.Sep6206	PTFE/Butyl Septa, for Uni-& Open-Cap, GL14, Φ13×t.3mm	10ea	8,190
DH.Sep6207	, GL18, Φ16×t.3mm	10ea	8,740
DH.Sep6208	, GL25, Φ23×t.3mm	10ea	13,030
DH.Sep6209	, GL32, Φ30×t.3mm	10ea	19,290
DH.Sep6210	, GL45, Φ42×t.3mm	10ea	36,020

Wisd™ Piercing PP DIN/GL Opentop Screwcap and Septa of PTFE/Butylrubber & Silicone, DIN, GL14~GL45
For All DIN/GL-screw Necks of Bottles · Tubes · Vessels · Vials, 125/140℃ Stable, 121℃ Autoclavable, 피어싱 오픈탑 캡 & 셉타


(1) Opentop Cap Only


(2) PTFE/Butyl Septa Only


(3) Silicone Septa Only

■ ***Made in Korea*** ■ ***Made of Chemical Stable Polypropylene / PTFE / Butylrubber***
∗Excellent Septa Thick-3mm for Chemical Resistance to PTFE(t.0.3mm) with the Perfect Sealing of Butylrubber(t.2.7mm).

〈L1〉

(1) PP DIN/GL Opentop Cap Only, DIN GL14~GL45

Cat. No		Pk.	Price, ₩
DH.Cap3121	Open-Cap Only, PP, GL14, Bore-9 mm , Φ18.2×h17 mm	10ea	3,500
DH.Cap3122	, GL18, -11 mm, Φ21.7×h20 mm	10ea	3,680
DH.Cap3123	, GL25, -15 mm, Φ30.3×h23 mm	10ea	4,120
DH.Cap3124	, GL32, -20 mm, Φ37.6×h26 mm	10ea	5,100
DH.Cap3125	, GL45, -33 mm, Φ51.5×h28 mm	10ea	6,340

(2) Piercing PTFE/Butylrubber Septa Only, Thick-3mm, for DIN GL14~GL45
Excellent for Chemical Resistance & Multiple Piercing with Syringe Needle

Cat. No		Pk.	Price, ₩
DH.Sep6206	PTFE/Butyl Septa, for Open & Uni-Caps, for-GL14, Φ13×t.3 mm	10ea	8,190
DH.Sep6207	-GL18, Φ16×t.3 mm	10ea	8,740
DH.Sep6208	-GL25, Φ23×t.3 mm	10ea	13,030
DH.Sep6209	-GL32, Φ30×t.3 mm	10ea	19,290
DH.Sep6210	-GL45, Φ42×t.3 mm	10ea	36,020

(3) Piercing Pure SILICONE Septa Only, Thick-3mm, for DIN GL14~GL45
Excellent for Multiple Piercing Application with Syringe Needle

Cat. No		Pk.	Price, ₩
SL.Sep6201	Silicone Septa, for Open-Cap, for-GL14, Φ13×t.2.5 mm	10ea	6,190
SL.Sep6202	-GL18, Φ16×t.2.5 mm	10ea	6,190
SL.Sep6203	-GL25, Φ23×t.2.5 mm	10ea	8,740
SL.Sep6204	-GL32, Φ30×t.2.5 mm	10ea	11,650
SL.Sep6205	-GL45, Φ42×t.3 mm	10ea	13,720

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description

High-Temp. PBT Universal GL Screwcap with PTFE/Silicone Septa and ETFE Pour-Ring, DIN/GL14~GL45

For All DIN/GL-screw Necks of Bottle · Flask · Tube · Vessel, −45℃+180℃, Stable, **고온 PBT 만능 스크류 캡과 푸어링 링**



(1) PBT Cap & Septa, 180℃



(2) Spare PTFE/Butyl Septa



(3) Option ETFE Pour-Ring, 180℃

■ ***Excellent for Durability & Anti-Chemical / Corrosion / Heat.***

∗ Hi-Temp Red PBT Cap ; PolyButylenTerephthalat "PBT", −45℃+180℃ Stable ∗ 3mm-thick Septa of 0.3mm PTFE & 2.7mm Butylrubber or Silicone. ∗ ETFE Pouring Ring ; EthyleneTetraFluoroEthylene. ∗ Autoclavable.

〈L1〉

(1) DURAN® Hi-Temp PBT DIN GL Screwcap with Septa Thick-3mm

		Pk.	Price, ₩
DU.2924008	PBT Uni-Cap & PTFE/Sil Septa Set, GL14, Φ20×h17 mm	10ea	39,920
DU.2924011	, GL18, Φ23×h20 mm	10ea	45,750
DU.2924013	, GL25, Φ33×h23 mm	10ea	56,450
DU.2924019	, GL32, Φ41×h26 mm	10ea	76,250
DU.2924028	, GL45, Φ54×h28 mm	10ea	105,440

(2) Spare ; Sealing Septa of PTFE/Butylrubber, <Korea-Made>

		Pk.	Price, ₩
DH.Sep6206	PTFE/Butyl Septa, for Uni-& Open-Cap, GL14, Φ13×t.3 mm	10ea	8,190
DH.Sep6207	, GL18, Φ16×t.3 mm	10ea	8,740
DH.Sep6208	, GL25, Φ23×t.3 mm	10ea	13,030
DH.Sep6209	, GL32, Φ30×t.3 mm	10ea	19,290
DH.Sep6210	, GL45, Φ45×t.3 mm	10ea	36,020

(3) Option ; DURAN® Hi-Temp. ETFE Pouring Ring, 180℃, GL32 & 45

		Pk.	Price, ₩
DU.2924419	ETFE Pour-Ring, for Glass Bottle, GL32, h4 mm	10ea	25,980
DU.2924428	, GL45, h4 mm	10ea	27,590

DURAN® Piercing High-Temp PBT Opentop GL Screwcap, Septa, and Washer O-Ring, DIN/GL14~GL45

For All DIN/GL-screw Necks of Bottle · Flask · Tube · Vessel, −45℃+180℃ Stable, **고온 PBT 오픈탑 캡 & PTFE/실리콘 셉타**



(1) 180℃ Hi-temp PBT Opentop Cap



(2) Piercing PTFE/Butylrubber Septa



(3) Piercing Pure Silicone Septa



(4) PTFE/Silicone Washer Sealing-Ring

■ ***Excellent for Durability & Anti-Chemical / Corrosion / Heat.***

∗ Hi-Temp Red PBT(PolyButylenTerephthalat) Opentop GL Screwcap, −45℃+180℃ Stable.

∗ Excellent Septa 3mm-thick for Multiple Piercing & Chemical Resistance with PTFE(t.0.3mm) / Butylrubber(t.2.7mm).

〈L1〉

(1) DURAN® PBT Opentop GL Screwcap, 180℃, DIN GL14~GL45

		Pk.	Price, ₩
DU.2922705	PBT Open-Cap, GL14, Hole Bore-Φ9.5 mm	10ea	23,370
DU.2922706	, GL18, -Φ11 mm	10ea	28,240
DU.2922709	, GL25, -Φ15 mm	10ea	39,920
DU.2922708	, GL32, -Φ20 mm	10ea	40,240
DU.2922710	, GL45, -Φ34 mm	10ea	107,070

(2) Piercing PTFE/Butylrubber Septa, 3mm-thick., for DIN GL14~GL45, <Korea-Made>
Excellent for Chemical Resistance & Multiple Piercing with Syringe Needle

		Pk.	Price, ₩
DH.Sep6206	PTFE/Butyl Septa, for Uni-& Open-Cap, GL14, Φ13×t.3 mm	10ea	8,190
DH.Sep6207	, GL18, Φ16×t.3 mm	10ea	8,740
DH.Sep6208	, GL25, Φ23×t.3 mm	10ea	13,030
DH.Sep6209	, GL32, Φ30×t.3 mm	10ea	19,290
DH.Sep6210	, GL45, Φ45×t.3 mm	10ea	36,020

(3) Piercing Pure Silicone Septa, 3mm-thick., for DIN GL14~GL45, <Korea-Made>
Excellent for Multiple Piercing Application with Syringe Needle

		Pk.	Price, ₩
SL.Sep6201	Silicone Septa, for Open-Cap, GL14, Φ13×t.2.5 mm	10ea	6,190
SL.Sep6202	, GL18, Φ16×t.2.5 mm	10ea	6,190
SL.Sep6203	, GL25, Φ23×t.2.5 mm	10ea	8,740
SL.Sep6204	, GL32, Φ30×t.2.5 mm	10ea	11,650
SL.Sep6205	, GL45, Φ42×t.3 mm	10ea	13,720

(4) DURAN® PTFE/Silicone Washer Sealing O-Ring for DIN GL14~GL45 Opentop Caps
Ideal for Rod · Tube-Holding · Sealing with GL Opentop Screwcaps

		Ea.	Price, ₩	Pk.	Price, ₩
DU.2923406	Septa, Hole, GL14, od 12×id 6 ×t.4.5mm, for Tube-Φ5.5~6.5mm	6,240		10ea	60,350
DU.2923506	, GL18, od 16×id 6 ×t.5.5mm, -Φ5.5~6.5mm	6,940		10ea	67,170
DU.2923508	, od 16×id 8 ×t.5.5mm, -Φ7.5~9.0mm	7,240		10ea	70,090
DU.2923510	, od 16×id 10×t.5.5mm, -Φ9.0~11.0mm	7,620		10ea	73,650
DU.2923708	, GL25, od 22×id 8 ×t.6.5mm, -Φ7.5~9.0mm	11,650		10ea	112,900
DU.2923710	, od 22×id 10×t.6.5mm, -Φ9.0~11.0mm	11,650		10ea	112,900
DU.2923712	, od 22×id 12×t.6.5mm, -Φ11.0~13.0mm	11,650		10ea	112,900
DU.2923610	, GL32, od 29×id 10×t.8mm , -Φ9.0~11.0mm	16,080		10ea	155,730
DU.2923612	, od 29×id 12×t.8mm , -Φ11.0~13.0mm	15,840		10ea	153,450
DU.2923614	, od 29×id 14×t.8mm , -Φ13.0~15.0mm	17,070		10ea	165,450
DU.2923616	, od 29×id 16×t.8mm , -Φ15.0~17.0mm	16,480		10ea	159,620
DU.2923618	, od 29×id 18×t.8mm , -Φ17.0~19.0mm	16,570		10ea	160,590
DU.2923826	, GL45, od 42×id 26×t.8.5mm, -Φ25.0~27.0mm	27,840		10ea	269,900
DU.2923832	, od 42×id 32×t.8.5mm, -Φ31.0~33.0mm	25,540		10ea	247,530

Articles	Cat. No	Description



(1) GL25 ~ GL45



(2) GLS80

DURAN® PP Colored GL-Screwcaps & Pour-rings, −10℃+125/140℃, Autoclavable

■ ***Supplied by DURAN® in Germany***

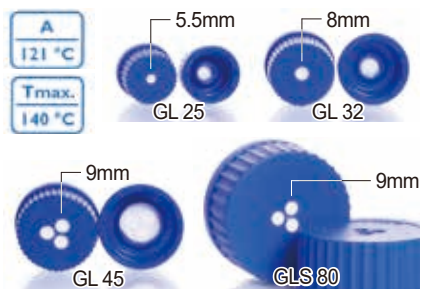
〈L1〉

(1) GL25~45, Blue · Green · Yellow

		Pk.	Price,₩
DU.2923913	Screwcap, PP, Blue, GL25, Φ33×h19mm	10ea	24,670
DU.2923919	, GL32, Φ40×h24mm	10ea	21,430
DU.2923928	, GL45, Φ54×h26mm	10ea	24,670
DU.29338280	Screwcap, PP, Yellow, GL45, Φ54×h26mm	10ea	24,020
DU.29338286	, Green, GL45, Φ54×h26mm	10ea	24,020
DU.2924219	Pouring Ring, PP, Blue, GL32, h4mm	10ea	13,330
DU.2924228	, Blue, GL45, h4mm	10ea	10,070
DU.1089911	, Green, GL45, h4mm	10ea	10,400
DU.1089917	, Yellow, GL45, h4mm	10ea	10,400

(2) GLS80, Blue

		Pk.	Price,₩
DU.1112716	Screwcap, PP, Blue, GLS80, Φ86×h40mm	10ea	53,540
DU.1160166	Cap Pouring Ring, GLS80, PTFE, h7mm	10ea	40,570



DURAN® PP Membrane Screwcap, Blue, GL25~45 & GLS80, Autoclavable

■ ***Supplied by DURAN® in Germany*** ∗ Ideal for Storing Gas-Forming Media

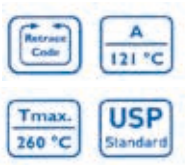
∗ With PTFE Membrane(0.2㎛) for Pressure Compensation, Gas-Permeable & Liquid Tight

∗ 2-Way Membrane with Pressure Equalization from 0.1 Bar

〈L1〉

		Ea. Price,₩	Pk.	Price,₩
DU.2911813	Membrane Filtered Screwcap, PP, Φ25×h19mm, GL25	16,480	5ea	79,820
DU.2911819	, Φ32×h24mm, GL32	16,940	5ea	82,090
DU.2911828	, Φ45×h26mm, GL45	10,280	5ea	49,820
DU.2911891	, Φ80×h40mm, GLS80	20,180	2ea	39,140





Teflon Screwcap & Pouring Ring

DURAN® Premium GL45 Teflon PFA Screwcap, −196℃+260℃, Autoclavable

With PTFE Coated Silicone Seal & Pouring Ring, Ideal for High-temp & Chemical Resistance

■ ***Supplied by DURAN® in Germany*** ∗ Made from Teflon TpCh260 (Similar to PFA)

∗ Batch Certificate ∗ No Dye Additives

〈L1〉

		Ea. Price,₩	Cs.	Price,₩
DU.1129600	Teflon Screwcap, GL25, Φ32×h22mm	12,690	5ea	61,490
DU.1088679	, GL45, Φ54×h26mm	25,540	5ea	123,770
DU.1088678	Teflon Pouring Ring, for GL45, h4mm	6,100	5ea	29,530



Cowie® Bottle Pourers of PTFE/Viton, for GL32 · 38 · 45 Screw Neck Bottles

With Pourers Tip Closure and PTFE Air Filling Tubing, −200℃+280℃, <UK-Made> PTFE 바틀 푸어러

∗ To Fit GL Screw Neck Bottle ∗ Totally Chemically Resistant and Inert

∗ Permits Direct Pouring of All Liquids from Reagent Bottles in a Safe and Consistent Manner.

∗ With Pourers Tip Closure(Cap) and PTFE Air Filling Tubing.

〈L1〉

		Ea.	Price, ₩
CW.028.032	Bottle Pourer, PTFE/VITON, for GL 32 Screw Neck		112,230
CW.028.038	, for GL 38 Screw Neck		112,230
CW.028.045	, for GL 45 Screw Neck		112,230

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



VITLAB® White Bowl, PP, Autoclavable, 1~13 Lit
Suitable for Food Stuff, 125/140℃ Stable, **백색 보울, 원형 다용도**

〈L1〉

■ ***Supplied by VITLAB® in Germany***

		Ea. Price,₩	Pk.	Price, ₩
VI.425.94	Bowl, White, 1 Lit , Φ160×h70 mm	3,470	5ea	16,740
VI.426.94	, 2 Lit , Φ200×h80 mm	6,450	5ea	31,240
VI.427.94	, 3 Lit , Φ240×h100 mm	9,440	5ea	45,730
VI.428.94	, 4 Lit , Φ280×h120 mm	13,350	5ea	64,690
VI.429.94	, 7 Lit , Φ320×h130 mm	18,600	3ea	54,080
VI.430.94	, 9 Lit , Φ360×h150 mm	20,530	3ea	59,690
VI.431.94	, 13 Lit, Φ400×h180 mm	29,720	3ea	86,450



Stainless-steel Evaporating Dish/Bowl, 1,500~5,000㎖
With Flat Bottom, Rust Free and Corrosion Resistance, <Korea-Made> **스텐 증발 접시/보울**

〈B1〉

■ ***Supplied by DAIHAN Korea*** ∗ Lightweight for Easy Handling

		Ea.	Price, ₩
DH.Bow7031	Evap. Dish / Bowl, Stainless-steel, 1,500㎖, Φ260×h85mm		4,080
DH.Bow7032	, 2,200㎖, Φ300×h130mm		6,120
DH.Bow7033	, 5,000㎖, Φ400×h150mm		10,200



(1)

High Polished Stainless-steel Bowl, 35~9,000㎖
With/Without Rim, Multi-purpose, **스테인레스 보울, 원형 다용도**

■ ***Made in Korea*** ∗ Clean & Nonpolluting, Long Life Cycle Stainless-steel Product

∗ Multi-purpose : Laboratory, Medical



(2)

〈L3〉

(1) 35~1,300㎖, without Rim

		Ea. Price,₩
C9.3011	w/o Rim, 35㎖ , Φ45×h25mm	2,350
C9.3022	, 60㎖ , Φ55×h30mm	2,600
C9.3044	, 180㎖ , Φ80×h40mm	4,690
C9.3066	, 400㎖ , Φ105×h50mm	6,770
C9.3077	, 600㎖ , Φ125×h55mm	7,800
C9.3099	, 1,300㎖, Φ165×h70mm	9,100

(2) 5,000~9,000㎖, with Rim

		Ea. Price,₩
C9.4473	w/ Rim, 5,000㎖, Φ305(outer)×h105mm	27,300
C9.4475	, 7,000㎖, Φ345(outer)×h115mm	32,500
C9.4476	, 9,000㎖, Φ370(outer)×h120mm	36,400



Bochem® Premium Stainless-steel Evaporating Dish/Bowl, Flat-bottom, 100~1,000㎖
Non-magnetic 18/10 Stainless-steel, Finished Surface, **비자성 스텐 증발접시/보울**

〈L1〉

■ ***Supplied by Bochem® in Germany*** ∗ Flat-bottom, Finished Surface, Melting point 1,400℃

		Ea.	Price, ₩
BC.8670	Evap. Dish / Bowl, Stainless-steel, 100㎖ , Φ80×h40mm		54,720
BC.8671	, 250㎖ , Φ100×h50mm		66,000
BC.8672	, 500㎖ , Φ120×h60mm		82,250
BC.8673	, 1,000㎖, Φ160×h80mm		136,930



Bochem® Premium Stainless-steel Laboratory Bowl, with Rim, 1,000~11,000㎖
Non-magnetic 18/10 Stainless-steel, Finished Surface, **비자성 스텐 랩-보울**

■ ***Supplied by Bochem® in Germany***

■ ***특급 스텐(18/10 크롬·니켈) 제품; 비자성, 비부식, 내산성 / 내약품성 / 내열성-우수***

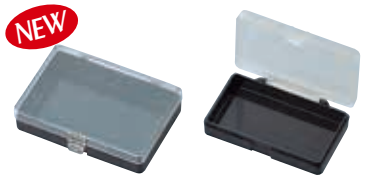
∗ Made of Non-magnetic 18/10 Stainless-steel(SS)

∗ with Rim, Finished Surface, Melting point : 1,400℃

〈L1〉

		Ea.	Price, ₩
BC.8601	Lab - Bowl, Stainless-steel, 1,000㎖ , Φ150×h80mm		36,720
BC.8602	, 1,500㎖ , Φ180×h95mm		42,170
BC.8603	, 2,000㎖ , Φ195×h115mm		45,490
BC.8605	, 3,000㎖ , Φ220×h125mm		66,440
BC.8607	, 5,000㎖ , Φ265×h130mm		80,190
BC.8608	, 6,000㎖ , Φ285×h145mm		84,670
BC.8609	, 8,000㎖ , Φ310×h165mm		101,990
BC.8611	, 11,000㎖, Φ355×h180mm		142,220

Articles	Cat. No	Description



Clean-room Case, Antistatic, ABS, with Hinged Lid, Stackable
Good for Sampling & Storage, **크린룸용 케이스, 정전기 방지형, 중첩 가능**

■ *정전기 방지 소재* ■ *시료 보관·운반에 편리*

〈L2〉

		Ea.	Price, ₩	Cs.	Price, ₩
SL.Con3501	ABS Case, C/R, Anti-static, 36×36×h14mm		1,730	50ea	79,200
SL.Con3502	, 68×39×h15mm		2,870	50ea	131,490
SL.Con3503	, 75×50×h18mm		4,170	30ea	115,050
SL.Con3504	, 87×57×h19mm		5,290	30ea	146,430
SL.Con3505	, 100×65×h28mm		8,080	10ea	74,720



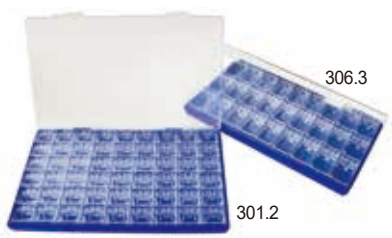
ABS Anti-static Hinged Lid Square Case, 정전기 방지형 4각 컨테이너, 경첩식 커버부

■ *정전기 방지 소재* ■ *시료 보관·운반에 편리*

〈L2〉

			Ea. Price,₩	Cs.	Price, ₩
SL.Con3402	"H-2"	ABS Square Case, 68×39×h15mm , 15㎖	1,380	50ea	62,770
SL.Con3403	"H-3"	, 75×50×h18mm , 31.5㎖	2,150	30ea	59,080
SL.Con3404	"H-4"	, 87×57×h19mm , 46.9㎖	3,120	30ea	86,040
SL.Con3405	"H-5"	, 100×65×h28mm , 114㎖	3,620	10ea	33,400

, *Divided / Sectional*



Sectional Utility Box Set



(1) Spare-Empty Plain Box



(2) Spare-Insert mini-Divider Chip Box

Brain® Sectional Utility Box Set, PS, with Separable insert Mini Divider Box
Ideal for Chip Box & Rack, Multiuse, −10℃+70/80℃, **칸막이 다용도 박스**

■ *Made in Korea* ■ *Made of Polystyrene*

■ *Contents : PS Blue Case Base with Transparence Lid, 12~40 Ea Insert Mini Divider Chip Box*

〈B4〉

Box Set Cat No.	Overall size (w×d×h mm)	Empty box	No. of Mini Chip Box	Ea.	Price, ₩
B3.301.2	138×104×31	"301"	12ea (102)		7,560
B3.302.1	171×132×31	"302"	40ea (101)		15,960
B3.304.2	234×160×31	"304"	35ea (102)		19,960
B3.305.4	266×188×31	"305"	12ea (104)		14,080
B3.306.3	300×188×31	"306"	27ea (103)		21,960
B3.307.4	330×244×31	"307"	20ea (104)		23,110

(1) Spare Empty Plain Box only

Cat. No.	Size (w×d×h mm)	Ea. Price, ₩
B3.301	138×104×h31mm	2,210
B3.302	171×132×h31mm	3,360
B3.304	234×160×h31mm	4,530
B3.305	266×188×h31mm	5,260
B3.306	300×188×h31mm	6,830
B3.307	330×244×h31mm	8,400

(2) Spare Insert mini-Divider Chip Box with Spring Lid individually

Cat. No.	Size (w×d×h mm)	Ea. Price, ₩
B3.101	16.8×28.8×h23.5mm	330
B3.102	32.6×28.8×h23.5mm	450
B3.103	32.6×56.5×h23.5mm	560
B3.104	64.5×56.5×h23.5mm	760



Brain® Sectional Utility Box with Divider & Hinged Locking Lid, PP, Translucent Light Blue
With Adjustable Section by Divider, Multiuse, −10℃+125/140℃, **10·17·20칸 다용도 박스**

■ *Made in Korea* ■ *Made of Polypropylene*

∗ Adjustable Number of Section Use by Divider ∗ Translucence Light Blue Body & Cover

〈B4〉

		Ea.	Price, ₩
B3.801	Box, Fixed Divider & Hinged Lid, 10-divid.type : 150×110×h30mm		2,110
B3.802	, 10-divid.type : 200×130×h35mm		2,320
B3.803	, 17-divid.type : 250×150×h40mm		4,000
B3.804	, 20-divid.type : 300×180×h45mm		6,720
B3.805	, 20-divid.type : 350×220×h50mm		7,360

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description

Brain® Small Assembly Multiuse Box with Drawer, HIPS, −10℃+70/80℃, 소형 조립식 부품 박스

■ *Made of High Impact Polystyrene*
■ *Easy & Simple Set-up : Assembly Same Size Box only*
■ *Ideal for Collection/disposal Storage of parts & Trifle articles*
■ *Drawer : Transparence PS*


(1) 500


(2) 503


(3) 501


(4) 501.2


(5) 502

〈B4〉

			Ea.	Price, ₩
B3.500	(1) Box, Small Assembly Multiuse Box :	82×150×h41mm, Single Drawer : 73×146×h32mm		1,800
B3.503	(2)	: 260×218×h72mm, 〃 : 250×212×h62mm		8,620
B3.501	(3)	: 159×150×h41mm, Double Drawers : 73×146×h32mm		3,480
B3.501.2	(4)	: 216×189×h63mm, 〃 : 102×185×h53mm		6,720
B3.502	(5)	: 260×218×h72mm, 〃 : 122×215×h62mm		8,620

Brain® Assembly Multiuse Box with Drawer, HIPS, −10℃+70/80℃, 중형 조립식 부품 박스

■ *Made in Korea* ■ *Made of High Impact Polystyrene* ■ *Ideal for Collection/disposal Storage of parts & Trifle articles*


(1) 506


(2) 504


(3) 505


(4) 504.2

〈B4〉

1. 267×345×h99mm Box

			Ea.	Price, ₩
B3.506	(1) Box, Assembly Multiuse With 1 Drawer			16,800
B3.504	(2)	2 Drawers(L/R)		16,800
B3.505	(3)	2 Drawers(T/B), A4 sheets		16,800
B3.504.2	(4)	4 Drawers(L/R, T/B)		18,350


(5) 7100D

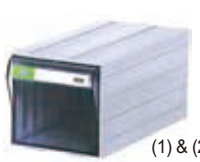

(6) 7100A


(7) 7100B


(8) 7100C

2. 318×383×h118mm Box NEW

			Ea.	Price, ₩
B3.7100D	(5) Box, Assembly Multiuse With 1 Drawer			25,960
B3.7100A	(6)	2 Drawers(L/R)		25,960
B3.7100B	(7)	2 Drawers(T/B)		28,560
B3.7100C	(8)	4 Drawers(L/R, T/B)		25,960


(1) & (2)


(3) ~ (5)

Brain® CD · REEL · Special-Storage Assembly Box with Drawer

Made of HIPS & PS, −10℃+70/80℃, CD · 릴 · 특수 부품보관용 조립식 박스

■ *Box : Light Gray HIPS(High Impact Polystyrene), Drawer : Transparence PS(Polystyrene)*

〈B4〉

1. General Drawer-type

			Ea.	Price, ₩
B3.600	(1) Box, for CD Storage	, 168×350(328)×h156mm, Partiton : 149×h117mm		16,800
B3.602	(2)	, for REEL Storage, 232×360(328)×h200mm, Partiton : 210×h140mm, 22 Reels.		25,840

2. 45°Angle Drawer-type

			Ea.	Price, ₩
B3.702	(3) Box, Multiuse :	101×120×h150mm, Drawer : 89×115×h139 / 72mm		7,890
B3.703	(4)	: 151×140×h200mm, 〃 : 139×134×h189 / 136mm		11,560
B3.704	(5)	: 201×160×h250mm, 〃 : 189×153×h239 / 185mm		19,650

Articles	Cat. No	Description

Brain® Drawer Cabinet, CA 50 series, Made of HIPS Frame & PS Transparence Drawer, −10℃+70/80℃, 소품 관리보관용 서랍식 캐비넷

■ ***Made of High Impact Polystyrene Frame & Polystyrene Drawers*** ■ ***Cabinet's Drawer "B3.501", "B3.501.2", "B3.502"-Assembly Box***



(1) 508



(2) 509



(3) 507

〈B4〉

			Ea.	Price, ₩
B3.508	(1)	Cabinet with 20 Drawers of 73×146×h32mm Fixed Frame : 330×164(150)×h227mm		19,960
B3.509	(2)	12 Drawers of 102×185×h53mm Fixed Frame : 344×205(191)×h270mm		20,030
B3.507	(3)	12 Drawers of 122×212×h62mm Fixed Frame : 400×235(217)×h295mm		21,000



National® Combi-Box, PP, with 2 Raising Divided Tray & Clear Lid
With 2 Drawers Inside, Multi-use, PP −10℃+125/140℃, **다용도 3단 수납형 콤비 박스**

■ ***Made in Korea*** ∗ Composition : PP Misty Blue Bass, PE Clear Lid, and, 2× Raising Divided Tray/ABS
∗ Installed 2 Drawers Inside
∗ Application : Small Toolbox, First Aid Kit, Multi-purpose Cabinet

※ 운임 별도 〈L3〉

		Ea. Price,₩	Cs.	Price, ₩
N2.N0206B1	Combi-box, PP, 325×186×h150mm	15,030	24ea	

, *Handling 운수/저장 상자*



Transparent Type

National® PP Air-tight Storage · Transfer Box, with Sealing Lid, 13 · 29 · 40 Lit
Multi-purpose, Stackable, Transparent, 125/140℃, **운수/저장 밀폐상자, 투명성**

■ ***Made in Korea*** ∗ Chemical · Corrosion · Weather · Heat Resistant PP Material.

※ 운임 별도 〈L3〉

		Ea. Price,₩	Cs.	Price, ₩
N2.N0189	Box, PP, Transparent, 13ℓ, 282×363×h195mm	15,190	16ea	
N2.N0188	, 29ℓ, 363×569×h195mm	27,850	8ea	
N2.N0187	, 40ℓ, 363×569×h255mm	30,040	6ea	



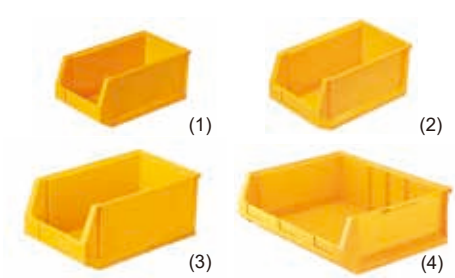
National® PP Transparent Storage · Transfer Box, with Sealing Lid and Casters, 75 Lit
Multi-purpose, Stackable, 125/140℃, **저장/이동 투명상자**

■ ***Made in Korea***
∗ Chemical · Corrosion · Weather · Heat Resistant PP Material.

※ 운임 별도 〈L3〉

		Ea.	Price, ₩
N2.N0194	Box, PP, with Caster, 75ℓ, 420×740×h332mm		37,640

, *Tools 공구함*



National® Parts & Tool Case, Space Saving-type, 1~16Lit
Made of PPC(Poly Propylene Copolymer), 100℃, **공간절약형 부품 및 공구상자**

■ ***Made in Korea*** ∗ Made of PPC(Poly Propylene Copolymer)
∗ Efficient Storage of Parts and Tools

〈L3〉

		Ea.	Price, ₩
N2.NTB201	Box, Tool & Part, 1Lit , 175×105×h85mm		2,370
N2.NTB202	, 3Lit , 245×145×h120mm		3,220
N2.NTB203	, 8Lit , 340×210×h155mm		5,070
N2.NTB204	, 16Lit, 455×350×h146mm		10,130



Brain® Anti-Static Parts & Tool Case, −10℃+70/80℃
Made of Conductive Black PS, **정전기 방지형 부품 및 공구박스**

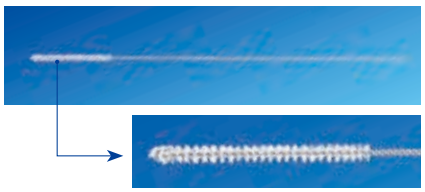
■ ***Made in Korea*** ■ ***Made of Conductive Polystyrene***
■ ***Surface Resistivity : Under 106Ω/sq***

〈B4〉

		Ea.	Price, ₩
B3.202C	Case, Parts & Tool, 105×175×h85mm		4,520
B3.203C	, 145×245×h120mm		8,940
B3.204C	, 210×340×h165mm		13,440

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



DURAN® NMR Tube Brush, Suitable for Φ5mm NMR Tubes, L250mm
Made of Stainless-steel Wire & Nylon Bristles, <Germany-Made> Φ5mm NMR, 튜브용 브러쉬

∗ Curved End of Bristle Trim for Cleaning the Inner Tube Bottom
∗ Ideal for Cleaning NMR Tubes from Stubborn Contamination

〈L1〉

		Ea.	Price, ₩
DU.2907400	Brush, for Φ5mm NMR Tubes, SS Wire w/Nylon Bristles, L250mm		6,330

DAIHAN® Brush For Laboratory, with Galvanized Wire Handle & Hanging Loop, 각종 이화학용 세척솔

■ ***Made in Korea*** ■ ***내열성, 세척력 우수*** ■ ***Galvanized Wire Handles Resist Rust and Corrosion***
■ ***Correct for the Intended Purpose Bristle : Hog Bristle / Synthetic Hair***

〈L1〉



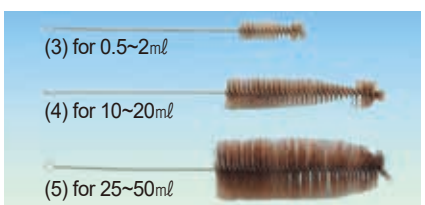
(1) Beaker Brush, Hog Bristle

		Ea.	Price, ₩
DH.BR011	Brush, Beaker, Bristle L75×Φ32, Total L200mm		2,250
DH.BR012	, Bristle L80×Φ36, Total L240mm		2,270
DH.BR013	, Bristle L92×Φ36, Total L297mm		2,290



(2) Buret Brush, Synthetic Hair

		Ea.	Price, ₩
DH.BR021	Brush, Buret, Bristle L120×Φ45, Total L820mm		2,400



(3)~(5) for Centrifuge Tube Brush

(3)~(5) Centrifuge Tube Brush, Synthetic Hair

		Ea.	Price, ₩
DH.BR031	(3) for 0.5~2㎖ Micro Tubes, Bristle L45×Φ14mm, Total L182mm, for 1.5㎖ Tube		2,800
DH.BR032	(4) for 10~20㎖ Tubes, Bristle L105×Φ19mm, Total L227mm, for 15㎖ Tube		3,000
DH.BR033	(5) for 25~50㎖ Tubes, Bristle L115×Φ40mm, Total L230mm, for 50㎖ Tube		3,200



(6) Cylinder & Bottle Brush, Hog Bristle & Synthetic Hair

		Ea.	Price, ₩
DH.BR041	Cylinder Brush, Bristle L120×Φ45, Total L325mm		2,250
DH.BR042	, Bristle L125×Φ50, Total L380mm		2,270
DH.BR043	, Bristle L135×Φ50, Total L445mm		2,290



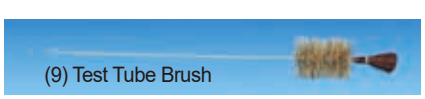
(7) Flask & Bottle Brush, Hog Bristle & Synthetic Hair

		Ea.	Price, ₩
DH.BR051	Flask Brush, Bristle L110×Φ90, Total L320mm		2,250
DH.BR052	, Bristle L120×Φ90, Total L375mm		2,270
DH.BR053	, Bristle L140×Φ90, Total L450mm		2,290



(8) Pipet Brush, Synthetic Hair

		Ea.	Price, ₩
DH.BR061	Pipet Brush, Bristle L63×Φ20mm, Total L583mm		2,290



(9) Test Tube Brush, Hog Bristle & Synthetic Hair

		Ea.	Price, ₩
DH.BR071	Test Tube Brush, Bristle L65×Φ18, Total L210mm		2,000
DH.BR072	, Bristle L77×Φ28, Total L257mm		2,030
DH.BR073	, Bristle L95×Φ40, Total L325mm		2,050

Articles	Cat. No	Description

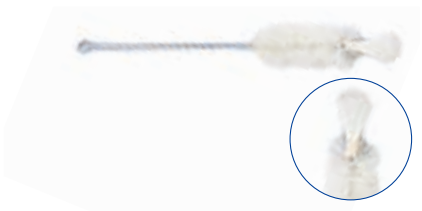


Tube Brush, Bristle Φ6×L30mm, Total L190mm
With Easy Grip PP Handle, 시험관솔

■ ***Supplied by DAIHAN Korea*** ∗ Yellow · Pink · Blue · White Color will be Delivered Randomly ‹B1›

∗ Nylon / Stainless-steel / PP Handle

		Ea.	Price, ₩
DH.Bru3003	Tube Brush, Φ6×L30mm, Total L190mm		2,040



Laboran® Syringe Brush, Gentle Cleaning for Syringe, Φ21~30mm
Made of Steel Wire, with Horse Hair & Special Both Hair, L200~300mm, 시린지용 브러쉬

‹L2›

∗ Ideal for Cleaning Syringe

		Ea.	Price, ₩	Pk.	Price, ₩
SL.Bru3095	Syringe Brush, Bristle L125×Φ21, Total L200mm	2,930		11ea	29,720
SL.Bru3096	L150×Φ25, Total L260mm	3,850		11ea	39,100
SL.Bru3097	L165×Φ30, Total L300mm	4,620		11ea	46,920



Lab Bristle Brush for Cleaning Balance, Round, 28 & 30cm
Wood handle with metal ferrule, 랩 브러쉬, 저울 세정용

‹B3›

■ ***밸런스용에 적합***

		Ea.	Price, ₩
S24.178.2	Brush, Bristle Φ19×L52 mm, overall length 28cm		15,240
S24.178.3	, Bristle Φ24×L56 mm, overall length 30cm		19,340



Sieve Brush, PET, with Wood Handle, Bristle Φ25×L50mm, Total Length 210mm
Ideal for Removal Sieve Clogging & Corner, Hair Thickness 0.2~0.4mm, 시브 브러쉬, 체눈 막힘 제거용

■ ***시브 메쉬에 따라 전용 크기의 브러쉬 사용 가능***

‹L2›

∗ Material : Bristle/PET(Polyethylene terephthalate), Grip/Wood, Tip/Tin-rolled

		Ea.	Price, ₩
SL.Bru3041	Sieve Brush, for 400~125 Mesh , Hair Thickness 0.2mm		17,820
SL.Bru3042	, for 100~65 Mesh , Hair Thickness 0.3mm		17,820
SL.Bru3043	, for 55 or less Mesh, Hair Thickness 0.4mm		17,820



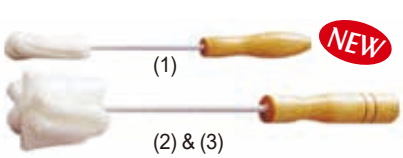
Heat Resistant Lab Brush, All PP, Autoclavable, −10℃+125/140℃, L185mm
Good for Medical & Lab Products, 올 피피 브러쉬, 내열/내약품성 우수

■ ***모든 재질이 PP로 된 브러쉬***

‹L2›

∗ Made of PP(Polypropylene), Autoclavable ∗ Chemical & Heat Resistant

		Ea.	Price, ₩
SL.Bru3101	Brush, PP, w15×L185mm		2,500
SL.Bru3102	, w30×L185mm		3,100
SL.Bru3103	, w50×L185mm		4,340



Laboran® PU-Sponge Brush for Laboratory
Good for Tubes/Flasks/Beakers, 우레탄 스폰지 랩 브러쉬

‹L2›

■ ***시험관용 우레탄 스폰지*** ■ ***부드럽고 흡수성 우수***

		Ea.	Price, ₩	Pk.	Price, ₩
SL.Bru3061	(1) Brush, for Tubes , Φ20×L300(brush L70)mm	9,820		11ea	99,840
SL.Bru3062	(2) , for Flask , Φ55×L380(brush L70)mm	17,770		11ea	180,870
SL.Bru3063	(3) , for Beakers, Φ80×L450(brush L80)mm	19,330		11ea	196,780



Beaker Brush, PP, with Easy Grip PP Handle, Heat Resistant
Round Bristle in Front for Cleaning Bottom & Shoulders of Bottles, 비커/바틀 브러쉬

■ ***직각 타입의 브러쉬 : 모서리, 구석부분 세척 용이*** ■ ***Material : Handle · Bristle/PP(Polypropylene)***

∗ Available 2-way Washing : Rotary Washing or Vertical Washing

∗ Dual Structure Nylon Bristle & Easy Grip PP Handle

∗ Use a Round Bristle in Front, It can be Washed Clean the Bottom of the Bottle

∗ Quick & Easy Cleaning

‹L2›

		Ea.	Price, ₩
SL.Bru3091	Beaker Brush, Bristle L15(Max.23)×w20mm, Total L230mm		7,270

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



Bottle Brush, with Easy Grip PP Handle
Ideal for Cleaning Bottom & Shoulders of Bottles, 바틀 브러쉬

■ ***Supplied by DAIHAN Korea***
* Nylon / Sponge and Easy Grip PP Handle * Color will be Delivered Randomly
* Circle Bristle Head Ideal for Cleaning Bottom & Shoulders of Bottles

〈B1〉

		Ea.	Price, ₩
DH.Bru3002	Sponge / Nylon Bottle Brush, Bristle Φ55×L125mm, Total L340mm		1,540



Bottle Brush, Folding-type

Bottle Brush, Folding(Adjustable Length)-type, Double Structure Bristle
Ideal for Cleaning Bottom & Shoulders of Bottles, 바틀 브러쉬

■ ***원형 접이식 헤드로써 바틀 구석까지 세척 가능*** ■ ***접이식 핸들***
* Japan "Mameita" * Adjustable Total Length Use by Folding Handle
* Nylon / Polyester / PU Bristles, and Polypropylene & Synthetic Rubber Handle
* Circle Bristle Head Ideal for Cleaning Bottom & Shoulders of Bottles

〈B4〉

		Ea.	Price, ₩
E1.014	Bottle Brush, Folding-type, Bristle L110×Φ55mm, Total L395mm, Folded Total L282mm		10,060

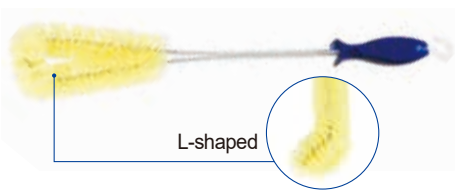


3M® Scotch® "503" Glass Bottle Brush, for glass, with Easy Grip Rubber Handle
Ideal for Cleaning Bottom- & Shoulders- of Bottles, 유리병 세척 브러쉬, 솔타입

■ ***손쉽게 유리병 내부 세척가능*** ■ ***박테리아로 인한 악취 억제용 항균제가 포함된 브러쉬***
* Ideal for Reach deep into Glasses and Bottles * Soft Comfort Grip * Long Lasting Bristles
* Easy to Reach the Bottom of most Glassware

〈B4〉

		Pk.	Price, ₩	Cs.	Price, ₩
3M.02.2050	"503" Glass Bottle Brush, Bristle L80×Φ60mm, Total L300mm	1ea	4,650	6pk	27,050



L-shaped Bottle Brush, PP, with Styrole Resin Handle & Hook
Ideal for Reach Deep into Bottom of Bottles, Multi-use, L자형 다용도 병 세척솔 · 코너솔

■ ***Supplied by DAIHAN Korea*** ■ ***닿기 힘든 병의 밑바닥과 코너부분을 깨끗하게 세척이 가능함***
* With L-shaped PP Bristle Ideal for Reach Deep into Bottom of Bottles
* With Styrole Resin Handle & Hook
* With Hook Ideal for Hanging to Dry and Store easily

〈B1〉

		Ea.	Price, ₩
DH.Bru3006	Brush for Bottle, with L-shaped PP Bristle, Bristle L130×55mm, Total 400mm		5,040



Blower Goat Hair Brush, with ABS Handle, Natural Rubber Pump, 블로워브러쉬

■ ***공기를 내뿜어 먼지를 날리는 블로워(Blower)와 먼지를 제거하는 브러쉬(Brush)의 두가지 기능***
■ ***Ideal for Dust Removal***
* Material : Pump/Natural Rubber, Brush/Goat Hair, Handle/ABS * Brush is Removable

〈L2〉

		Pk.	Price, ₩
SL.Bru3085	Blower Brush, w52×L119mm		13,120
SL.Bru3086	, w41×L86mm		11,450



3M® Scotch® "492" Household Scrubber Brush, with Easy Grip Rubber Handle
Various Purposes, Ideal for Cleaning Surface, 세척 강력 브러쉬

■ ***욕실, 베란다 등 다양한 장소에서 사용***
* Ergonomic design - Easy to Hold and Use
* Heavy Nylon Bristles for Cleaning Tough Stains

■ ***뛰어난 내구성과 미끄럼 방지 핸들로 청소 용이***
* Cleans Dirt from Tiles and Stained Floors
* Rubber Handle for Easy Grip

〈B4〉

		Pk.	Price, ₩	Cs.	Price, ₩
3M.02.2051	"492" Household Scrubber Brush, Bristle L130×w96×h53mm, Total L160mm	1ea	5,160	6pk	29,960

NEW



Angled Handle

3M® Scotch® "511P" Tile & Grout Brush, Ideal for Bathroom, Scour-power Brush
With PP Anti-slip Handle, Ergonomic Angled Handle, 타일 및 틈새용 브러쉬

■ ***닿기 힘든 틈새까지 청소 용이***
* Ergonomic Angled Handle Cleans easily Bathroom.
* Nylon Scour-power Brush + PP Anti-slip Handle.

■ ***욕실 틈새 · 바닥 · 욕조 변기 · 수도꼭지 등 다양하게 사용 가능***
* Specially Designed with the Bathroom in Mind.

〈B4〉

		Pk.	Price, ₩	Cs.	Price, ₩
3M.02.2052	"511P" Tile & Grout Brush, Angled Handle, Bristle L50×w19×h31mm, Overall 260mm	1ea	4,010	6pk	23,300

Articles	Cat. No	Description



3M® Scotch® "497" Nylon & Rubber Handy Wiper, with PP Anti-slip Handle
Ideal for Window & Glass, Ergonomic Angled Handle, **유리창닦이용 핸디 와이퍼**

■ 밀착력이 뛰어나 유리나 거울을 얼룩 없이 말끔하게 닦을 수 있음
* Excellent Adhesion Clean the Glass or Mirrors can be Neatly and Evenly.
* Ergonomic Angled Handle Cleans easily Window
* Nylon & Rubber Brush + PP Anti-slip Handle

〈B4〉

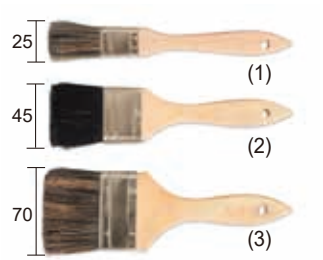
		Pk.	Price, ₩	Cs.	Price, ₩
3M.02.2056	"497" Nylon & Rubber Handy Wiper, w260×L190mm	1ea	5,010	6pk	29,120



Ox-Ear Hair Brush, Round, Very Smooth type, 19~28cm
For Dust or Paint, Wood handle with metal ferrule, **우이모 정밀 브러쉬**

〈B3〉

		Ea. Price,₩	Pk.	Price, ₩
S24.782.06	Brush, Hair Φ7×L16mm , overall length 19cm	3,520	12ea	
S24.782.10	, Hair Φ10×L22mm , overall length 20.5cm	5,900	12ea	
S24.782.16	, Hair Φ13.5×L30mm, overall length 25.5cm	10,600	12ea	
S24.782.20	, Hair Φ18×L37mm , overall length 28cm	13,900	12ea	



Working Brush, Hog Hair Bristle, with Wood Handle
Useful for Painting or Dust Remover, **현장 작업솔**

■ Supplied by DAIHAN Korea ***■ 부드러운 돈모 재질***
* Ideal for Painting and Dust Remover * Soft Hog Hair Bristle, Non-Scratch Critical Surfaces
* Hog Hair Bristles with Metal Ferrule, and Wood Handle

〈B1〉

		Ea.	Price, ₩
DH.BR081	(1) Brush, Paint & Dust, Bristle 25×H45mm, Total L210mm		2,360
DH.BR082	(2) , Bristle 45×H47mm, Total L210mm		3,360
DH.BR083	(3) , Bristle 70×H55mm, Total L230mm		3,870
DH.BR084	, Bristle 95×H51mm, Total L230mm		4,200



Anti-Static Brush, Sander Ron & Goat Hair, 정전기방지 브러쉬

■ 코너 부분이나 미세부 사용에 적합 ***■ 정전기 방지***
* Suitable for corners and Narrow Spaces
* Handle Material : Large · Small / Wood, Long Handle / Stainless
* Brush Material : Large / Sander Ron+Mixed Grizzled Goat Hair, Small-Sander Ron

〈L2〉

		Ea.	Price, ₩
SL.Bru3031	(1) Brush, Anti-static, 225×Φ25×60mm, Large		49,770
SL.Bru3032	(2) , 300×Φ15×45mm, Small, Long handle		47,830
SL.Bru3033	(3) , 130×Φ15×40mm, Small, Short handle		41,390



Wire Brush Set, Bristle 10×L35mm, with PP-handle, Total L170mm
With 3 Kind of Brushes, **3종 와이어 브러쉬 세트**

■ Supplied by DAIHAN Korea
* Incl. 3 kinds of Brushes : 1) Stainless Steel Wire : Ideal for Rust and Paint
2) Bronze Wire : Ideal for Stubborn Stains
3) Nylon Wire : Ideal for Small Parts

〈B1〉

		Set.	Price, ₩
DH.Bru3004	3 Wire Brush Set, 10×L35mm, Total L170mm	3ea	1,740



Bronze Wire Brush, with Wood Handle, 동 브러쉬

■ Supplied by DAIHAN Korea ***■ 나무 재질 손잡이***

〈B1〉

		Ea.	Price, ₩
DH.BR0011	Brush, Bronze Wire Small, L50mm , Total L210mm		1,180
DH.BR0013	, Bronze Wire Large, L100mm, Total L280mm		2,190

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



▶Ice Buckets 아이스 버킷

⇒ See the "Ice, *Buckets*" Section!



Azlon® HDPE Bucket, Moulded Graduations, White, 17Lit
With Handle Grip & Spout Guide, −50℃+105/120℃, HDPE 버킷, 눈금부

■ ***Supplied by Azlon® in UK***

∗ Durable Spouted Buckets for Easy Pouring ∗ Moulded Graduations
∗ Handle Grip for Easy Lifting and Carrying

〈L1〉

		Ea.	Price, ₩
Az.BWX114	Bucket, HDPE, 17 Lit, 0.5L sub Div., White, Φ330×h315 mm		91,740



VITLAB® HDPE Graduated Bucket, White, 5 & 10 Lit, <Germany-Made> 버킷, 눈금부

■ ***PE Tight Snap-Lid(Option)***

∗ - 50℃ + 110℃, Suitable for Low Temperature ∗ Non-Autoclavable.
∗ White High Density Polyethylene, Graduated & Pivoted Handle.

〈L1〉

		Ea.	Price, ₩
VI.960.93	Bucket, HDPE, 5 Lit , Φ 250×h 240 mm		28,840
VI.963.93	, 10 Lit, Φ 290×h 300 mm		34,470
VI.962.93	**Optional Bucket-Lid,** for 5 Lit , (960.93 Bucket)		6,270
VI.965.93	**,** for 10 Lit, (963.93 Bucket)		6,880



HDPE Bucket, with Tight Sealing Lid, Handle Grip, 13Lit, HDPE 밀폐 버킷

∗ Top of the Lid has the Rib so these are Possible to Stack them up.
∗ Body & Lid : HDPE(High Density Polypropylene), Packing : Silicone Rubber
∗ HD-13 : Φ285×Φ270×h250mm ∗ Taper Structure makes them Stack
∗ Sealed by Silicone Packing, and no Liquid Spill.

〈L2〉

		Ea.	Price, ₩
SL.Buc3101	"HD-13W" Bucket, 13ℓ, White, Φ285×Φ270×h250mm		42,030
SL.Buc3102	"HD-13B" , Blue , Φ285×Φ270×h250mm		42,030



VITLAB® PP Graduated Bucket, Autoclavable, 12 & 15 Lit
With Graduation, Transparent, Handle, 0℃~125/140℃, <Germany-Made> PP 버킷

∗ 0℃ +125/140℃ Heat-resistant, Autoclavable ∗ Translucent Polypropylene
∗ Graduated, Pivoted Handle & Pouring Lips, High Resist. to Chemicals & Acids.

〈L1〉

		Ea.	Price, ₩
VI.966.94	Bucket, PP, 12 Lit, Φ 310×h 330 mm		58,140
VI.967.94	, 15 Lit, Φ 310×h 370 mm		64,070



PP General-purpose Bucket, Multi-use, with Handle Grip & Lid, 6~25 Lit
Ideal for Storage and Carrying, Good Chemical Resistance, 0℃~125/140℃, PP 일반 버킷

■ ***Made in Korea*** ∗ 0℃~125/140℃ Heat-resistant ∗ Robust

〈B1〉

		Ea.	Price, ₩
DH.Buc3061	Bucket, PP, w/Lid, Φ175×h197 mm, 6 Lit		4,280
DH.Buc3062	, Φ198×h218 mm, 8 Lit		4,900
DH.Buc3063	, Φ223×h245 mm, 12 Lit		6,580
DH.Buc3067	, Φ270×h333 mm, 25 Lit		10,400

Articles	Cat. No	Description



Stainless-steel Cylindrical Bucket, with Lid & Handle, 1~5 Lit
Made of Non-magnetic 18/10 Stainless-steel, Rustfree, 비자성 스테인리스 버킷

■ ***Supplied by SciLab Korea*** ∗ Made of Non Magnetic 18/10 Stainless-steel

〈L1〉

Cat. No	Description	Ea. Price, ₩
SL.Con7011	Bucket, Stainless-steel, Φ100×h140mm, 1 Lit	75,000
SL.Con7012	, Φ130×h150mm, 2 Lit	91,090
SL.Con7013	, Φ155×h180mm, 3 Lit	107,140
SL.Con7014	, Φ175×h240mm, 5 Lit	128,580



(1) Conical-type 0.8Lit (2) Cylindrical-type 5·7·10Lit

Stainless-steel Bucket, Conical-type and Cylindrical-type, 0.8~10 Lit
With Stainless-steel Handle & Color Coated Handle, 스테인리스 버킷

■ ***Made in Korea*** ∗ with Handle for Easy to Carrying ∗ Smooth Surface for Easy to Clean

〈B1〉

(1) Conical-type 0.8 Lit

Cat. No	Description	Ea. Price, ₩
DH.Buc7001	Bucket, Conical-type, Stainless-steel, Φ100/70×h120mm, 0.8 Lit	13,000

(2) Cylindrical-type 5·7·10 Lit

Cat. No	Description	Ea. Price, ₩
DH.Buc7011	Bucket, Cylindrical-type, Stainless-steel, Φ185×h193mm, 5 Lit	23,980
DH.Buc7012	, Φ207×h218mm, 7 Lit	27,660
DH.Buc7013	, Φ235×h260mm, 10 Lit	32,380



14Lit Bucket & Optional Dolly

Stainless-steel Bucket, with Handle, High Quality, 14 Lit
For Laboratory · Hospital · Cleaning, 스테인리스 버킷

∗ Clean & Nonpolluting, Long Life Cycle Stainless-steel
∗ with Dolly for 360° Maneuverability and Effective Cleaning
∗ Pivoted Handle for Convenient Use

〈L3〉

Cat. No	Description	Ea. Price, ₩
C9.5122B	Bucket, Φ295/185×h230mm, 14 Lit	31,200
C9.5122D	**Optional ;** Dolly, for Bucket, 4 Support Wing, Φ300mm	118,190

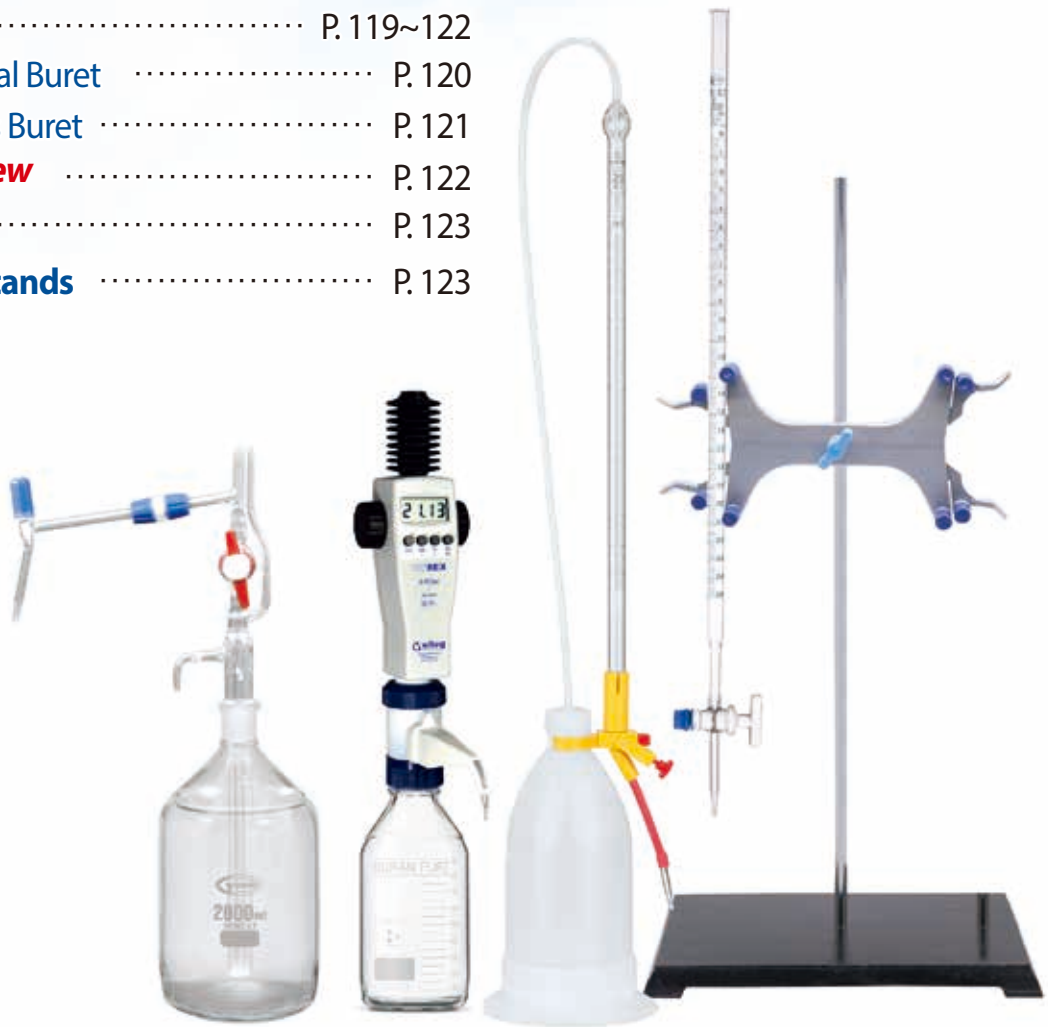
※ The Price(VAT is extra) for Korean End-user, and Changeable.

Buret

Buret ····· P. 119~122
- Automatic-Digital Buret ····· P. 120
- Automatic-Glass Buret ····· P. 121
- Manual Buret *New* ····· P. 122

Buret Clamps ····· P. 123

Buret Support Stands ····· P. 123





Articles	Cat. No	Description

"witeg" Digital Burette, TITREX® Bottle-top, Titration and Dosing Applications, 0~50/0.01㎖

Ideal for Fine(㎕) Adjustment, Perfect Air-purging Mechanism · No Loss of Reagent · Autoclavable Valve Block, **디지털 정밀 자동뷰렛**



Individual Certificate

(2) "Titrex® Fine-model

(1) "Titrex® Standard-model" 0~50 / 0.01㎖



Perfect Air-purging Mechanism for 0% Reagent Loss



360˚ -turn



100% Drip-free System



(3) PE Coated Bottle Square, Amber



(4) PP Bottle Heavy-duty



(5) 2-Neck Bottle DURAN® Glass

■ ***Made in Germany***

■ ***Quick and Precise Volume Setting***

The Dispensing and Titration Volume can be set by turning the Handwheels. The Mode can be changed by pressing "DOS" respectively "TIT". The Display shows the emitted Volume("TIT" mode) respectively the Filled Volume ("DOS" mode).

■ ***Perfect Air-purging Mechanism for 0% Reagent Loss***

Turn the Discharge Tube at 90° Remove (purge) Trapped Air without Reagent Loss by Pumping in a Closed Circuit. The Reagent flows back into the Bottle. After Pumping 2 or 3 times the Dispenser is free of Air and Ready to Use. This Special Feature not only helps to save Residual Reagent but also when Accidentally Setting the Wrong Volume.

■ ***360˚ Turn for your Added Safety***

No matter how much you tighten TITREX, you can always redirect the Discharge Tube by Simply Turning the Valve Block to the Desired Position. This Way the Label of the Bottle is always Visible. This Feature works for all our Adapters. Adapters for Different Bottle Threads can remain on the Bottle.

■ ***100% Drip-free System for your Safety***

By Turning the Discharge Tube at 180° all Liquid flows back into the Bottle. TITREX is completely closed and no Accidental Discharge can occur by Inadvertently Moving the Piston. There is Absolutely No Dripping Possible.

■ ***"Do-it-yourself" Recalibration for a Long Life Time***

If you use TITREX as a Measuring Device in Conformity to ISO 9001 and GLP, you need to control and monitor its Accuracy and Reliability. Therefore you can easily Recalibrate the Value by Pressing "CAL" until the Display shows "CAL". With the Buttons "+" and "-" you can now adjust and correct the Value. TITREX can also be adjusted to Liquids with other Density and Viscosity.

■ ***TITREXSOFT ; Storage of Data***

The Displayed Value can be Stored in the Internal Memory by Pressing MEM-Button. This Memory can be Readout with the Provided Soft-ware TITREXSOFT and Interface Cord (RS232) Through the Access to the 'TITREX' Memory, All Data can be Transferred to a PC. Saved Values can be Read-out in Real-time during the Titration Process or Afterwards. Via the Protocol Export Function, the Data together with the Automatically Created Graph can be Either Printed or Saved.

■ ***Complete Set with ; Titrex, Suction Tube, Discharge Tube, Instruction Manual, Individual Certificate, Serial number, Battery Charger, Software TITREXSOFT, RS232 Interface Cord, Thread Adapter GL25, GL28, GL45/32, S40, GL45 2Lit Amber Bottle***

※ Can Download Software TITREXSOFT at 'https://www.witeg.de'

∗ Highest Accuracy and Precision, our Error Ranges are better than the DIN EN ISO 8655 Requirements.
∗ Resistant against most Acids and Alkalis.
∗ Exclusive Instrument with 0% Loss of Reagent - Air-purging and Draining within a Closed Circuit.
∗ Covers the Complete Volume Range up to 50㎖ when used as a Dispenser and up to 99,99㎖ when used as a Burette.
∗ Vertical Valves: No Sedimentation, No Contamination.
∗ Data Storage: up to 1000 Values - Transfer to PC possible due to RS232 Interface.
∗ Easy to Dismantle and to clean, Valve Block Autoclavable at 121°C.
∗ Automatic Power-cut-off after 3 minutes. ∗ Individual Certificate, CE Label and Serial Number.
∗ DE-M Marked according to the German Calibration Law, Valid from January 2015.

〈L1〉

(1) Standard-model Set, with 2 Main Controllers (Left & Right-side)

		Ea.	Price, ₩
WI.5.497.050	**Titrex® Digital Burette, 50 / 0.01㎖, GL45**		1,546,080

(2) Fine-model Set, with 2 Main Controllers and 1 Fine Controller Ideal for Fine(㎕) Adjustment

		Ea.	Price, ₩
WI.5.497.150	**Titrex® Digital Burette, 50 / 0.01㎖, GL45,** with Additional Fine Controller		1,960,720

Spare Accessories

		Ea.	Price, ₩
WI.5.497.600	Thread Adapter GL45 / GL32		9,300
WI.5.497.200	FEP Filling Tube, Autoclavable, od 7×h390mm		28,980
WI.5.497.400	FEP Discharge Tube Set, with Support Sleeve, Autoclavable, L120 mm		25,940
SL.Bot1015	Bottle Amber, 2000㎖, **GL45**		14,180

Optional Accessories

		Ea.	Price, ₩
WI.5.375.012	Flexible FEP Discharge Tube Set, with Support Sleeve, Coiled-type, L180cm		118,770
WI.5.372.100	(3) PE-Coated Amber Glass Bottle, Square, 1000㎖, **GL45**		25,690
WI.5.372.250	, Round, 2500㎖, **GL45**		50,790

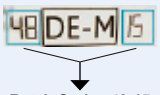
		Pk.	Price, ₩
DH.Bot3135	(4) PP Bottle, 1000㎖, **GL32**, Autoclavable	4ea	10,030
DH.Bot3136	, 2000㎖, **GL32**, Autoclavable	2ea	7,720
DH.Bot3158	, 5000㎖, **GL45**, Autoclavable	1ea	9,920
SL.Bot2031	(5) 2×Neck DURAN® Bottle, 1000㎖, **GL45**, Autoclavable	1ea	37,750
SL.Bot2032	, 2000㎖, **GL45**, Autoclavable	1ea	59,580
SL.Bot2033	, 5000㎖, **GL45**, Autoclavable	1ea	219,780

※ The Price(VAT is extra) for Korean End-user, and Changeable.

"witeg" Batch Certificate - Easy, Compliant and Available at Anytime

- Can Download the Certificate from 'http://www.witeg.de/en/certificate-center/' with Bath Code On the Surface of the Product.
- Fill in the Batch Code and Click your Product type : Pipette, Flask, Cylinder, Burette
- Contains Production Date, Batch Code and Results of Testing

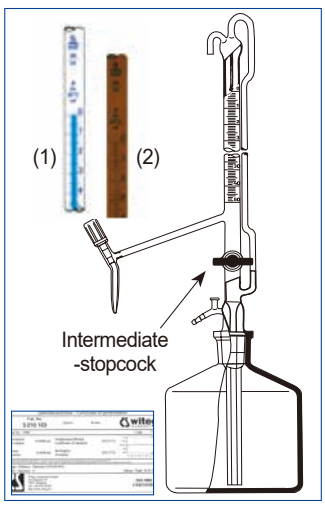
The way to read Batch Code



Batch Code : 48-15



Batch Certificate



"witeg" Premium AS-Class Automatic Buret, Batch Certificate, with 2Lit Bottle, Clear & Amber, 10 · 25 · 50㎖

With PTFE-Needle Valve & Intermediate Stopcock, DIN/ISO, AS급 자동뷰렛, 셋트, 중간코크부착형, 병 포함

■ Made in Germany ■ with Batch Certificate, and as per DIN/ISO 385 Standard
■ PTFE Intermediate Stopcock : Ideal for Collecting the Remaining Solution.
■ with 2 Lit Bottle ■ Blue Graduation for Better Visibility
∗ Made of Borosilicate Glass 3.3 / ASTM E 438 Type 1 Class A
∗ Easy to control the volume with PTFE Needle Valve. ∗ Calibrated to deliver(TD, EX) 20℃

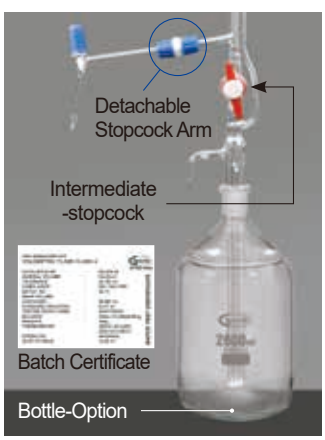
〈L1〉

(1) Clear Glass, with Schellbach Blue Fine-graduation

		Ea.	Price, ₩	Pk.	Price, ₩
WI.3122108	Burette, Auto., Intermediate Cock, Clear, 10㎖, Divi. 0.02㎖, accu.±0.02㎖		433,550	2ea	841,080
WI.3122258	, 25㎖, Divi. 0.05㎖, .±0.03㎖		433,550	2ea	841,080
WI.3122508	, 50㎖, Divi. 0.1㎖ , .±0.05㎖		433,550	2ea	841,080

(2) Amber Glass, with Blue Fine-graduation

		Ea.	Price, ₩	Pk.	Price, ₩
WI.3124108	Burette, Auto., Intermediate Cock, Amber, 10㎖, Divi. 0.02㎖, accu.±0.02㎖		501,420	2ea	972,730
WI.3124258	, 25㎖, Divi. 0.05㎖, .±0.03㎖		501,420	2ea	972,730
WI.3124508	, 50㎖, Divi. 0.1㎖ , .±0.05㎖		501,420	2ea	972,730



Glassco® USP-standard AS-class Automatic Buret, with Detachable Stopcock Arm, 25 & 50㎖

With Intermediate PTFE Stopcock, without Bottle, AS급 자동뷰렛, 스탑콕 탈부착형, 중간코크부착형, 병은 별도

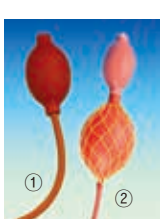
■ Supplied by Glassco® in India. ■ with Batch Certificate & Schellbach Stripe
■ with Detachable Stopcock Arm to Facilitate, Easy Cleaning, Replace and Packing
∗ with Batch Certificate, and as per DIN/ISO 385 Standard
∗ Without Bottle & Rubber Bulb ; Order Separately
∗ Made of Borosilicate glass 3.3
∗ Schellbach Stripe for Accurate Meniscus Reading

〈L1〉

		Pk.	Price, ₩
GL.118.246.02	Burette, Auto., Intermediate Cock, Clear, 25㎖, Divi. 0.1㎖, accu.±0.03㎖	1ea	228,520
GL.118.246.03	, 50㎖, . 0.1㎖, .±0.05㎖	1ea	240,920
GL.118.272.02	**Optional;** Bottle, Clear, 2Lit, Joint 29/32	1ea	47,600



(1) 2Lit Bottle



(2) Rubber Bulb

Automatic Burette Bottle and Rubber Bulb, 자동뷰렛용 바틀과 벌브

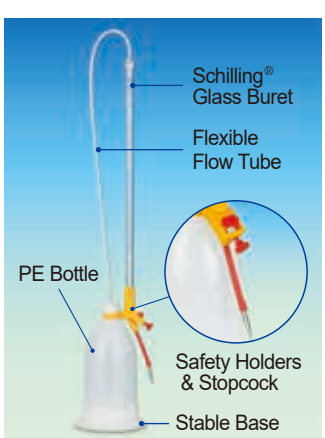
〈L1〉

(1) "witeg" Bottle, 2Lit, for Automatic Burette

		Ea.	Price, ₩
WI.3155200	Bottle, Reservoir, 2Lit, Joint 29/32, Clear		51,920
WI.3156200	, Amber		57,120

(2) Rubber Bulb, by WI-"witeg", SL-SciLab®

		Ea.	Price, ₩
WI.3157000	① Rubber Blowing Bulb, Tubing Size id Φ5×L 200mm		11,180
SL.Bul6041	② Safety Two Ball Blowing Bulb, Tubing Size id Φ4×L 570mm, Safety Cotton Net		13,250



"witeg" Schilling® Automatic Glass Burette, Class B, 10~50㎖

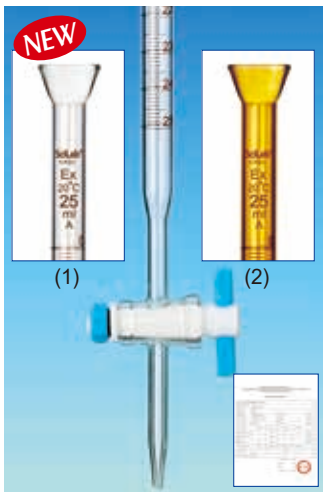
With PE Bottle 500 or 1,000㎖ and Stable Base, 쉬링® 자동뷰렛

■ Made in Germany
■ Glass Buret with Blue Graduation and with Plastic Safety Base
∗ The Burettes are filling by Squeezing the Bottle filled with Titrated Solution and Adjusted to Zero Automatically
∗ Push Button for Precise Titration ∗ Schilling Type
∗ Burette made of Borosilicate Glass α 3.3

〈L1〉

		Ea.	Price, ₩
WI.3312010	Burette, Auto., 10 / 0.05㎖, Accu.±0.05㎖, w/PE 500㎖ Bottle		100,700
WI.3312025	, 25 / 0.1㎖ , ±0.1㎖ , w/PE 1,000㎖ Bottle		111,940
WI.3312050	, 50 / 0.1㎖ , ±0.08㎖, w/PE 1,000㎖ Bottle		114,780

Articles	Cat. No	Description



A-class with Batch Certificate

SciLab® A-Class Funnel-Top PTFE Plug Burette, with Batch Certificate, Amber-Graduation, 25 & 50㎖
With Joint PTFE-Plug, Clear & Amber, **펀넬탑 PTFE Plug 뷰렛**

■ ***Supplied by SciLab Korea*** ■ ***with Batch Certificate (배치성적서 포함)***
■ ***펀넬탑으로 액체 투입이 용이하며, 정확한 액체의 양을 측정하고 옮기는데 적합***
∗ With Batch Certificate ∗ Funnel-Top : Easier Filling & Safer
∗ PTFE Plug with Screw Thread Retaining Nuts and No Lubrication

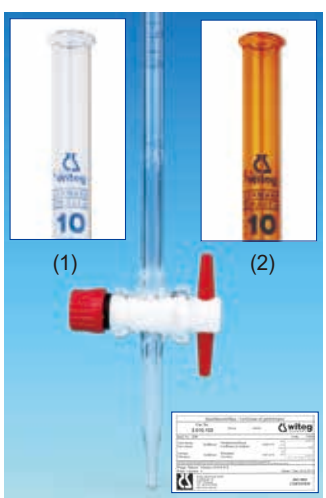
〈L1〉

(1) Clear Glass Burette, with Batch Certificate

		Pk.	Price,₩
SL.Bur1002	Burette, PTFE-Plug, Clear, 25 / 0.05㎖, accu. ±0.03㎖	2ea	73,200
SL.Bur1003	, 50 / 0.10㎖, ±0.05㎖	2ea	82,060

(2) Amber Glass Burette, with Batch Certificate

		Pk.	Price,₩
SL.Bur1006	Burette, PTFE-Plug, Amber, 25 / 0.05㎖, accu. ±0.03㎖	2ea	75,740
SL.Bur1007	, 50 / 0.10㎖, ±0.05㎖	2ea	84,580



AS-class with Batch Certificate

"witeg" Premium AS-Class PTFE Plug Burette, with Conformity Certified, Blue Fine-graduation
With Joint PTFE-Plug, with Batch certificate Serial No. for Traceability, **AS급 PTFE Plug 뷰렛**

■ ***Made in Germany***
■ ***Printed with Batch Code : Downloadable Batch Certificate***
∗ Made of Borosilicate Glass 3.3 ∗ Complies with DIN / ISO 385
∗ Blue Fine-graduation & Main Point Ring Graduation ∗ PTFE Cock(Plug) which Requires no Lubrication

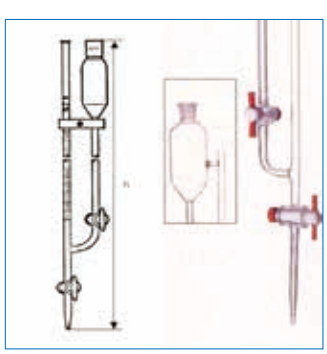
〈L1〉

(1) Clear, AS-class, 10~50㎖

		Ea.	Price, ₩	Pk.	Price, ₩
WI.3010103	Burette, PTFE-plug, Clear, 10 / 0.02㎖, accu. ±0.02㎖		89,390	2ea	173,420
WI.3010253	, 25 / 0.05㎖, ±0.03㎖		89,390	2ea	173,420
WI.3010503	, 50 / 0.10㎖, ±0.05㎖		89,390	2ea	173,420

(2) Amber, AS-class, 10~50㎖

		Ea.	Price, ₩	Pk.	Price, ₩
WI.3014103	Burette, PTFE-plug, Amber, 10 / 0.02㎖, accu. ±0.02㎖		131,090	2ea	254,300
WI.3014253	, 25 / 0.05㎖, ±0.03㎖		131,090	2ea	254,300
WI.3014503	, 50 / 0.10㎖, ±0.05㎖		131,090	2ea	254,300



"witeg" Premium Micro Burette, with Integral Side Reservoir, DIN/ISO, Class B, 1~10㎖
With Schellbach Blue Graduation and 2 × PTFE Stopcocks, PTFE **콕 마이크로뷰렛**

■ ***Made in Germany*** ∗ Blue Fine Graduation ∗ DURAN Borosilicate Glass α3.3
∗ Convenient Control of Stopcock : Easy/Convenient to Control the Plug by Screw Retaining Nut
∗ Delivery time : 35~45sec.

〈L1〉

		Ea.	Price, ₩	Pk.	Price, ₩
WI.3352013	Burette, Micro, 1 / 0.01㎖, accu. ±0.01㎖		218,900	2ea	424,670
WI.3352023	, 2 / 0.01㎖, .±0.02㎖		206,450	2ea	400,520
WI.3352053	, 5 / 0.02㎖, .±0.02㎖		219,250	2ea	425,330
WI.3352103	, 10 / 0.02㎖, .±0.03㎖		222,630	2ea	431,880


(1) PTFE-plug


(2) Glass-plug

Glassco® B-class Standard Buret, Good for General Purpose, 10~50㎖
Made of Borosilicate Glass 3.3, ISO/DIN, **교육용 표준 뷰렛**

■ ***Made in India*** ∗ Made of Borosilicate Glass α 3.3 ∗ Calibrated to deliver(TD, EX) 20℃

〈L1〉

(1) With PTFE-plug, with Amber-graduation

		Pk.	Price,₩
GL.114.224.01	Burette, PTFE-plug, Clear, 10 / 0.05㎖, accu. ±0.05㎖	1ea	32,550
GL.114.224.02	, 25 / 0.10㎖, .±0.10㎖	1ea	32,550
GL.114.224.03	, 50 / 0.10㎖, .±0.10㎖	1ea	33,640

(2) With Glass-plug, with Blue-graduation

		Pk.	Price,₩
GL.110.224.02	Burette, Glass-plug, Clear, 25 / 0.1㎖, accu. ±0.10㎖	1ea	19,900
GL.110.224.03	, 50 / 0.1㎖, .±0.10㎖	1ea	21,480

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description

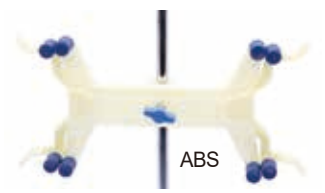


PP Burette Clamp, Single (1) & Double (2) Places
For Stand Rods Φ8~13mm, −10℃+125/140℃, PP뷰렛 클램프



■ ***Boss Head supplied with 2-Olives***
* Suitable for Dia Φ8 ~ Φ13mm Support Rods and for All Burette

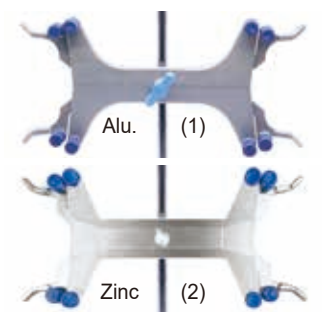
			<L1>
		Ea.	Price, ₩
SL.Cla3011	(1) PP Burette Clamp, fit to dia Φ8 ~ Φ13mm Rods, for 1-Burette		3,760
SL.Cla3012	(2) , for 2-Burettes		6,640



Burette Clamp for 2-Burettes, ABS, Grip Capa. Φ25mm, up to 100㎖, 뷰렛 클램프

■ ***Supplied by SciLab Korea***
* Body Material : ABS (Acrylonitrile-Butadiene-Styrene Resin)
* for 2×Burette, Grip Capa. Φ25mm
* Suitable for Dia Φ8 ~ Φ13mm Support Rods
* In order to Prevent Damage to the Burette with Rubber Grip

		<L1>
	Ea.	Price, ₩
SL.Cla3021 Clamp, PVC, for 2×Burettes, Grip Capa. Φ25mm		3,500



Burette Clamp for 2-Burettes, Max-grip capa. Φ25 & 30mm, 뷰렛 클램프

■ ***Supplied by SciLab Korea***
* Suitable for Dia Φ8 ~ Φ13mm Support Rods

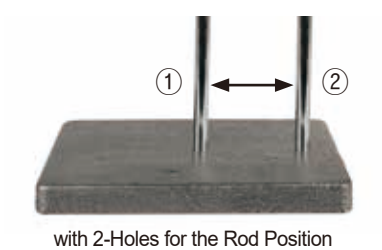
(1) Burette Clamp, Aluminum Alloy, Grip Capa. Φ25mm, up to 100㎖

		<L1>
	Ea.	Price, ₩
SL.Cla8153 Clamp, Alloy, for 2×Burettes, Grip Capa. Φ25mm		8,340

(2) Burette Clamp, Zinc-diecasting, Grip Capa. up to Φ30mm

	Ea.	Price, ₩
SL.Cla8154 Clamp, Zinc-diecasting, for 2×Burettes, Grip Capa. Φ30mm		18,300

Buret Stands 뷰렛 스탠드

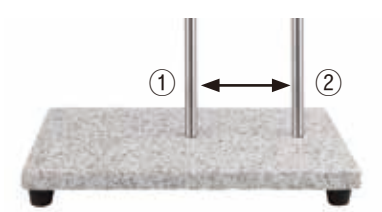


with 2-Holes for the Rod Position

SciLab® Premium Heavy-duty Rectangular Cast-Iron Stand, Good for Burette Stand
With ① Center- & ② Side-Hole for Stainless-steel Rod Φ11×h600/800mm, 중량 철제 4각 스탠드

■ ***Made in Korea*** ■ ***Movable Rod Position to Center or Edge***
* Heavy-Duty Support Base is made with a Cast Iron Base
* with Stainless-steel(SS) Rod Φ11×h600 / 800mm, 1.5P Screw

		<L1>
	Ea.	Price, ₩
SL.Sta8110 Rectangular Stand, Steel, Φ11×h600mm Rod, 180×120×h23mm, 1.0kg		29,000
SL.Sta8111 , Φ11×h800mm Rod, 220×150×h23mm, 1.5kg		31,800



Milky-Dot Marble Stand

SciLab® Milky-Dot Marble Stand, with Rubber Feet, Good for Burette Stand, Rectangular
With ① Center- & ② Side-Hole and a SS Rod Φ11×h800mm, 18mm Thick 대리석 뷰렛 스탠드

■ ***Made in Korea*** * with 2 Position Hole for Rod : Center & on Side
* with a stainless-steel Rod Φ11×h800mm

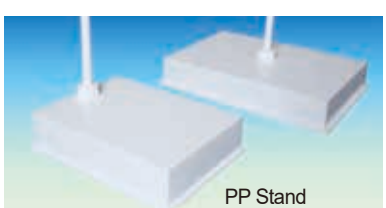
		<L1>
	Ea.	Price, ₩
SL.St9104 Stand, Milky, Marble, 190×130 mm, Φ11×h800mm SS Rod, 1.5P Screw, 1.3kg		34,000
SL.St9105 , 300×200 mm, Φ11×h800mm SS Rod, 1.5P Screw, 3.5kg		36,600



Porcelain Support Stand, Rectangular, Good for Burette · Funnel &c.
With Center-hole for Rod Φ10×h650mm, 4각 자제 뷰렛 스탠드

■ ***Supplied by SciLab Korea***
* Made of Porcelain
* with Nylon & ABS Feet to Prevent Sliding and Vibration
* Strong and Durable Support Base
* with Zinc Plated Steel Rods Φ10×h650mm

		<L1>
	Ea.	Price, ₩
SL.Sta5001 Stand, Porcelain, Φ10×h650 mm Rod, 285×147×h35mm, 1.9kg		18,340

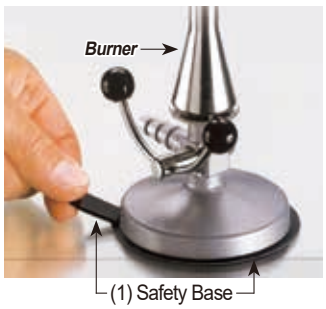


PP Stand, Good for Buret · Funnel &c., Rod Φ12.5×h750mm
With Rod at the Edge- or in Center, Corrosion Resistance, PP 스탠드

■ ***Supplied by SciLab Korea***
* PP(Polypropylene) Coated Metal Rod Screws into the Base
* Corrosion Resistance

		<L1>
	Ea.	Price, ₩
SL.Sta3031 Stand, PP, Edge hole, Rod Φ12.5×750mm, 225×150×h 55mm		24,850
SL.Sta3032 , 300×200×h 55mm		42,000
SL.Sta3033 , Center hole, Rod Φ12.5×750mm, 300×200×h 55mm		42,000

Articles	Cat. No	Description



Bunsen Gas Burner, for Propane- · Natural- · Multi-Gases, DIN/ISO
Safety-Base Separately, **분젠 가스버너, 안전받침판별도**

■ ***Made in Germany***
■ ***DIN/ISO 규격에 의한 완벽한 안전성 보장*** ■ ***가스 사용의 다양화; 프로판, 천연가스 및 All-Gases 사용***
■ ***All Materials used for Burner offer High Corrosion Resistance***
∗ Tasted DIN norm 30665 "Burner for Laboratory" ∗ Offer High safety, Durability, Convenient Handling and Superior Design
∗ Burners are equipped with a Solid Base made from Powder-coated Zinc die casting
∗ All Burner are available as Natural or Propane/Butane Gas Versions
∗ Gas Connecting Pressure: Natural Gas 18-25mbar / Propane & Butane Gas 47.5-57.5mbar

(1) Safety-Base for Burner, Non-Slip Rubber Coated Base, 버너 안전 밀착 받침판, 미끄럼 방지용

■ ***특수 합성 Resin-Rubber로 제작된 Flexible-type 받침판*** ■ ***버너가 작업대에 밀착 부착되어 미끄럼을 방지함*** 〈L1〉
∗ Optimum Stability for Burners and Preservation of Surfaces

		Ea. Price, ₩
US.0000.5	Safety-Base, for Burner, 38g	14,280



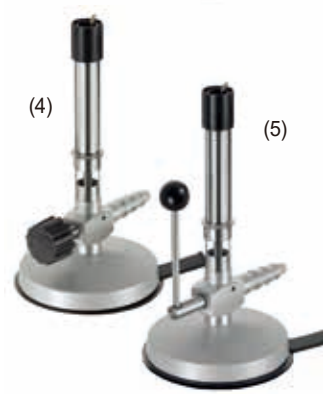
(2) Micro-Bunsen Burner, h100×Φ11mm-Head, 115g
With Needle Valve & Air Regulation, **미니형 분젠 가스버너**

■ ***챔버 & 후드내 작업용에 적합***

		Ea. Price, ₩
US.1110	Burner, Micro, Tubing Connector Φ7mm, for Natural / Town Gas	74,500
US.1111	, for Propane / Butane Gas	74,500

(3) Bunsen Burner, h155×Φ17mm-Head, 220g with Needle Valve & Air Regulation, 분젠 가스버너

		Ea. Price, ₩
US.1010	Burner, Tubing Connector Φ14mm, for Natural / Town Gas	69,470
US.1011	, for Propane / Butane Gas	69,470



(4) Popular-Bunsen Burner, h155×Φ17mm-Head, 220g
With Needle Valve · Air Regulation · Pilot-flame, **대중인기형 분젠 가스버너**

		Ea. Price, ₩
US.1020	Burner, Popular, Tubing Connector Φ14mm, for Natural / Town Gas	84,570
US.1021	, for Propane / Butane Gas	84,570

(5) Facility-Bunsen Burner, h155×Φ17mm-Head, 245g
With Lever-cock · Air Regulation · Pilot-flame, **편리형 레버-콕 분젠 가스 버너**

		Ea. Price, ₩
US.1040	Burner, Facility, Tubing Connector Φ14mm, for Natural / Town Gas	100,920
US.1041	, for Propane / Butane Gas	100,920



(6) TECLU® Deluxe-Bunsen Burner, h155×Φ17mm-Head, 265g
With Stop-cock · Air Regulation · Pilot-flame, **고급형 분젠가스버너**

■ ***공기조절의 극대화로 불꽃조절이 편리하며 불꽃이 정밀하고 안정적임***
∗ Adjustable Air-Rate through Conical Burner Tube and a Knurled Screw-offers a "Slightly Finer & More Stable Flame Adjustment"

		Ea. Price, ₩
US.1230	Burner, Deluxe, Tubing Connector Φ14mm, for Natural / Town Gas	114,340
US.1231	, for Propane / Butane Gas	114,340

(7) Big Volume MEKER Burner, h200×Φ32mm-Head, 335g with Needle Valve & Air Regulation, 대용량 메커 버너

■ ***불구멍이 쇠그물에 붙어 있어 공기와 가스가 잘 혼합되어 불꽃의 온도가 보다 높음***

		Ea. Price, ₩
US.1360	Burner, MEKER, Tubing Connector Φ28mm, for Natural / Town Gas	143,700
US.1361	, for Propane / Butane Gas	143,700



(8) TECLU® Bunsen Gas Burner, for All gases, h155×Φ17mm-Head, 270g
With Double Lever Stop-cock · Air Regulation · Pilot-flame, **분젠 가스버너, 더블레버-콕**

■ ***공기조절의 극대화 불꽃 조절이 편리하며 불꽃이 정밀하고 안정적임***
∗ Adjustable Air-Rate through Conical Burner Tube and a Knurled Screw-offers a "Slightly Finer & More Stable Flame Adjustment"

		Ea. Price, ₩
US.1245/1	Burner, w/ 2 Lever Cock, Tubing Connector Φ14mm, for Natural / Town Gas	144,330
US.1246/1	, for Propane / Butane Gas	144,330

<Continued On Next Page>

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



<Continued From...Bunsen Gas Burner>

(9) & (10) High-tech Bunsen Burners for All-gases, 270 & 335g, with Air Regulation, 모든 가스용 분젠 가스 버너

■ 모든 가스를 사용할 수 있는 가스 선택 노즐 조절기 부착형
■ 초대형 Head-type 으로 불꽃의 크기나 용량을 극대화 (US.1350)
∗ Needle Valve for Gas-type from Underneath, Tubing Connector Φ28mm (US.1350)
∗ Needle Valve, Adjustable Jet for Gas-type, Tubing Connector Φ13mm (US.1050)

〈L1〉

		Ea.	Price, ₩
US.1350	(9) Burner, for All Gases, Needle Valve for Gas-type : h200×Φ32 mm-Head, 335g		132,180
US.1050	(10) , Adjustable Jet for Gas-type : h170×Φ17 mm-Head, 270g		108,070

(11) Burnerhead, for Bunsen Burners Head Φ17 mm, with Width of Opening 50mm
불꽃 집중/확산 유도기, 분젠가스버너용

■ Burner Head(버너 상부)에 꽂아 사용

		Ea.	Price, ₩
US.1603	Burnerhead, Made of Nickel plated Brass, for Φ17 mm-Head, 16g		12,700



Rocker® Semi-Auto Handy Burner, with Refillable 35g Butane Gas Tank, 1300℃
Ideal for Microbiology & General Laboratory, Flame - ON/OFF & Mediation Function, 반자동 핸디 버너

■ Supplied by DAIHAN Korea ■ 가스 리필 가능, 불꽃 세기 조절 가능
∗ For use in Clean Benches, Biohazard Cabinets, and Fume Hoods.
∗ Can be Refillable by the Calor Butane Gas Can ∗ Adjustable Flame Height and Flame ON-OFF Function
∗ with a Refillable 35g Butane Fuel(gas) Tank. Operating Time : 60 minutes / Once a Charge

〈L1〉

		Ea.	Price, ₩
DH.Bur7101	Burner, with a Refillable gas tank, L115×Φ78×h94mm, 440g		115,690



Stainless-steel Alcohol Burner Set, Adjustable Wick & Flame, 60 & 150㎖
With 1m Cotton Wick & Looped Lid, Non Magnetic 18/10 Stainless-steel, 스텐 알코올 버너/램프

■ Supplied by SciLab Korea ■ Lid가 있어 불꽃 소화가 쉽고 연료의 자연 손실을 방지함
■ 심지(Wick)를 조절할 수 있으며, Spare 심지 별도 공급 가능

〈L1〉

		Ea.	Price, ₩
SL.Bur7001	Alcohol Burner, Stainless-steel, 60㎖ , Φ62×h58mm		17,480
SL.Bur7002	, 150㎖, Φ90×h70mm		26,570
SL.Bur7003	**Spare ;** Cotton Wick, for 60㎖ & 150㎖, L1000mm		1,640



Bochem® Hi-grade Stainless-steel Alcohol Burner Set, Adjustable Wick & Flame, 150㎖
With 1mm Cotton Wick & Looped Lid, Φ85×h65mm, 비자성 스텐 알코올 버너/램프

■ Supplied by Bochem® in Germany ■ Made of 18/10 Stainless-steel(SS), Non-Magnetic, Rust-Free
■ Lid가 있어 불꽃 소화가 쉽고 연료의 자연 손실을 방지함
∗ Complete Set with 150㎖ Burner · Lid · 100% Cotton Wick



〈L1〉

		Ea.	Price, ₩
BC.7200	Alcohol Burner Set, SS, 150㎖, Φ85×h65mm		87,880
BC.7201	**Spare ;** Cotton Wick, L1000mm		6,530



Alcohol Lamp

SciLab® Stainless-steel Alcohol Lamp, Polished 304 Stainless-steel Body, 200 & 700㎖
Ideal for Lab · University · Industry, with Cover & Wick, Korean Traditional Paper Wick, 알코올램프

〈L3〉

■ Supplied by SciLab Korea ■ SS304 재질로 파손에 강하여 영구적으로 사용 가능

		Ea.	Price, ₩
SL.Bur7006	(1) Alcohol Lamp, Stainless-steel, Φ100mm×h80mm, 200㎖		16,250
SL.Bur7007	, Φ120mm×h120mm, 700㎖		27,630
SL.Bur7006W	(2) **Spare ;** Wick, Traditional Korean Paper, for 200㎖(SL.Bur7006) Alcohol Lamp		3,250
SL.Bur7007W	, for 700㎖(SL.Bur7007) Alcohol Lamp		4,880

Articles	Cat. No	Description



SciLab® Nickel Plated Double Wire Tripod, Efficience Height-11 & 17cm, 이중 니켈도금선 삼발이

■ *Made in Korea* ■ *Φ4mm 스텐선 2중 구조로 견고함*
∗ Dual Structure of Nickel Plated, Wire Thickness 4mm

〈L1〉

		Ea. Price, ₩
SL.Su7031	Tripod, Double ring OD-12cm, h11cm	3,620
SL.Su7032	, h17cm	4,390



Bochem® Assembly Tripods, Screwed Feet, Height-180 · 210 · 240mm
Ideal for Burner, High-Quality & -Efficience, **"조립식 삼발이", 버너용에 적합**

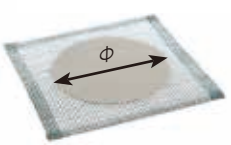
■ *Made of Germany* ■ *버너나 알코올램프로 가열 시 안전하게 시료 및 용기를 받쳐주는 받침대*
■ *Made of Cast-Iron / Zincked*

〈L1〉

		Ea. Price, ₩
BC.5230	Tripod, Screw Feet, h180, Ring id Φ100mm	49,280
BC.5231	, h210, Ring id Φ120mm	52,380
BC.5232	, h210, Ring id Φ140mm	60,270
BC.5233	, h240, Ring id Φ150mm	66,690



Fig. Ceramic-Wire Gauze on Tripod



Bochem® Wire Gauze, Non-Polluting Ceramic Center, High-Quality & -Efficience
Ideal for Burner, Ceramic Laminated, **무공해 와이어 거즈**

■ *Supplied by Bochem® in Germany*
■ *열을 균일하고 효율적으로 확산시키기 위해 사용*
■ *Size ; 120×120, 150×150, 200×200mm*
∗ High-Quality &- Efficiency ∗ Ideal for Burner-work

〈L1〉

		Ea. Price, ₩
BC.12751	Wire-gauze, 120×120, Ceramic- Φ85mm	7,130
BC.12752	, 150×150, - Φ100mm	8,840
BC.12753	, 200×200, - Φ135mm	12,270

Kovea® Gas Torch, Manual Ignition, High Firepower, 235g
With Anti Flare System, One-Touch Coupling, **가스 토치, 수동점화**



∗ 숯, 간단한 동용접, 파이프 작업 등 다용도로 사용가능
∗ Size : 117×40×h250mm
∗ Weight : 235g
∗ Manual Ignition
∗ Fuel : Butane
∗ Gas Consumption : 300g / hr
∗ Ideal for Charcoal, Welding, Pipe work, and other High Flame Power Activities.

〈B3〉

		Ea. Price, ₩
K12.KT2408	Torch, Basic, 117×40×h250mm, 235g	8,340

Kovea® Gas Torch, Piezo-electric Auto-ignition, 135g
With Adjustable Flame, One-Touch Coupling, **가스 토치, 압전 자동점화**



∗ 숯, 파이프 작업 등 다용도로 사용가능
∗ Size : 150×43×h200mm
∗ Weight : 135g
∗ Manual Ignition
∗ Fuel : Butane
∗ Gas Consumption : 80g / hr

〈B3〉

		Ea. Price, ₩
K12.KT2211	Torch, Safety, 150×43×h200mm, 135g	11,680

Kovea® Gas Torch, Piezo-electric Auto-ignition, 1,300℃
With Anti Flare System, One-Touch Coupling, **가스 토치, 압전 자동점화**



∗ 숯, 파이프, 음식 조리용 등 다용도로 사용가능
∗ Size : 122×56×h220mm
∗ Weight : 253g ∗ Fuel : Butane
∗ One Touch Piezo Ignition
∗ Gas Consumption : 106g / hr
∗ Ideal for Metal / Dental / Jewelry / Glass Crafts

〈B3〉

		Ea. Price, ₩
K12.KT2603	Torch, Safety, 122×56×h220mm, 253g	25,790

Kovea® Micro Gas Torch, Piezo-electric Auto-ignition, 1,300℃
With Ignition Safety Lock System, **가스 토치, 불꽃 미세조정**



∗ 불꽃 미세조정 기능
∗ 금속/치과/보석/유리 공예 등 다용도로 사용가능
∗ Size : 130×46×h144mm
∗ Weight : 125g
∗ One Touch Piezo Ignition
∗ Gas Consumption : 15g / hr
∗ Fuel : Butane

〈B3〉

		Ea. Price, ₩
K12.KT2301	Torch, Precise Control, 130×46×h144mm, 125g	23,330

가스점화기, Auto Piezo-Lighter

∗ Safety Piezo · Electric Stick Lighter



(1)



(2)

〈B3〉

(1) ARIM® L250mm <Korea>

		Ea. Price, ₩
0512-571	"AGM-8801-Ⅱ", Normal-type, L250mm	5,080
0512-574	"AGM-8802TC-Ⅱ", Torch-type, L250mm	11,470

(2) Bochem® L220mm <Germany>

∗ Color delivered Randomly

〈L1〉

		Ea. Price, ₩
BC.7612	"PIEZO", Uni, L220mm	33,580

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Cabinets & Enclosures

Biological Safety Cabinet(BSC) *New* ..... P. 128 ~ 129

Clean Benches / PCR Workstation *New* ..... P. 130

Ductless Filtering Reagent Cabinets ..... P. 131

Safety Cabinets ..... P. 132 ~ 137

Acids / Corrosives *New* ..... P. 132 , 135 ~ 136

15min Resistant Flammable ..... P. 137

90min Resistant Flammable *New* ..... P. 133 ~ 134

NEW



Biological Safety Cabinet "BSC"

NEW



Filtering Vertical Clean Bench "CBV"



Ductless Filtering Reagent Storage Cabinet "RSC"

NEW



Acids / Corrosives Safety Cabinet "SCC"

NEW



Flammables Safety Cabinet "SCF90"

DAIHAN® Class Ⅱ Type A2 Biological Safety Cabinet "BSC", with 2×ULPA-U15 Filter & UV Lamp, w1200 · 1500 · 1800mm

BioSafety Level 1~3, "ECM" DC Motor, Real-time Air-flow & Air-Speed Monitoring System, 7 inch Touch TFT LCD Controller

Portable Benchtop Form, Multi-Safety Function, Compliance with EN12469, **생물안전작업대** "BSC", **안전등급** BSL 1~3, **이동 탁상용, 안전 저소음 설계**

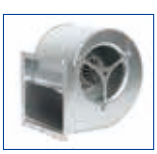




2-Year Warranty

Class Ⅱ Type A2 Biological Safety Cabinet(BSC), "BSC-15" Model

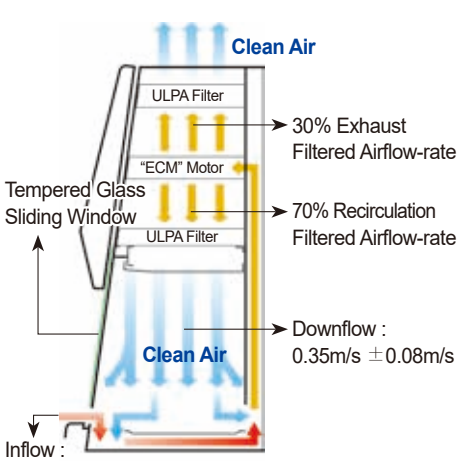
- ■ ***Supplied by DAIHAN Korea*** ■ ***PL(Product Liability) Insurance***
- ■ ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
- ■ ***Compliance with Biological Safety Cabinet European Standard EN12469 : Exhaust of 30% Filtered Airflow-rate & Recirculation of 70% Filtered Airflow-rate***
- ■ ***Class Ⅱ Type A2 Protection for the Operator, Environment and Sample at BSL 1~3***
- ■ ***2ea ULPA-U15(Ultra Low Particulate Air) Filter for Recirculation & Exhaust :***
  - *≥0.12μm Particles Removal 99.9995% by High Quality Dense Glass Fiber*
  - *Recommended Replacement Cycle of ULPA-U15 Filter : Every 6 ~ 12 months*
- ▶ ***Movable Benchtop. Ensuring High Performance Exhaust Filtering without Duct***
- ▶ ***Electronically Commutated "ECM" DC Motor :***
  - *High Energy Efficient (70% Energy Efficiency Higher than General AC motor)*
  - *Low Noise Level (Less than 60dB)* - *Ensuring Stable Air-speed*
- ▶ ***Intuitive User Interface of 7" Full Touch TFT LCD Controller :***
  - *Monitoring Function for Real-time Circulation Airflow & Airspeed*
  - *Maintenance of ULPA-U15 filter Operation Time* - *Error Status Recording Function.*



"ECM" DC Motor

∗ Adjustable Height UV Protection Tempered Glass Sliding Sash :
Safety Height-zone Alarm Function(Alarm sound over 200mm height).
∗ Timeless Usage based on Built-in Comfortable Armrest ∗ Easy to Clean Working-table
∗ IP68 AC Inlet allows Desktop Euipment to be able to Positioned Inside

Re. Approx Size of Particulate Matter
- PM1.0 극초미세먼지 ; ≤1.0μm Particles
- Fume(Acids) ; ≤1.0μm (이하) Particles
- Bacteria ; 0.5μm ~ 0.5m/m Particles
- Virus ; 0.018 ~ 0.4μm Particles
- ◦ VOCs ; Gas (기체)



Safe Air Circulation System by EN12469 Standard

Specifications & Ordering information

〈L1〉

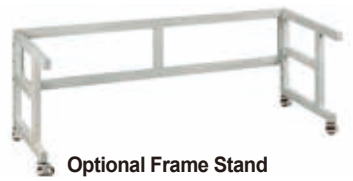
Spec. \ Model		"BSC-12" w1200	"BSC-15" w1500	"BSC-18" w1800
Working Space		1250×450×h700mm 360Lit	1550×450×h700mm 450Lit	1850×450×h700mm 540Lit
Air Flow-type		Down Flow, Vertical Recirculation Air Flow-type (Recirculation 70%, Exhaust 30% by EN12469 Standard)		
Air Volume		460 m³/ h	580 m³/ h	700 m³/ h
Air Velocity		Inflow : 0.53 m/s ±0.025, Downflow : 0.35 m/s ±0.08m/s		
Bactericidal UV Lamp		1×Powerful 254nm UV Decontamination, 30W		
Filter and the Replacement Cycle		∗ 2ea ULPA-U15(Ultra Low Penetration Air) Filter (1×for Exhaust & 1×for Recirculation), ≥ 0.12μm Particles Removal 99.9995% ∗ Replacement Cycle of ULPA Filter : 6 ~ 12 months		
Motor		1.25kW Electronically Commutated "ECM" DC Motor		
Window		UV Protection Tempered Glass Sliding Window		
Controller		Full Touch Screen 7" TFT LCD		
Noise Level(dB)		≤ 60 dB		
Internal Lighting		2×15W LED Lamp(800Lux)		
Material		Internal : Stainless-steel(#304), External : Powder Coated Steel		
Utility Device		2×AC Outlet(220V, IP68), 1×Vacuum Cock(3/8" NPT)		
Dimension(mm) Without Stand	Outer	1360×870×h1570	1560×870×h1570	1860×870×h1570
	Inner	1250×450×h700	1550×450×h700	1850×450×h700
Electric Reqts.		1 Phase, AC 120V, 60Hz or AC 230V, 50/60Hz		
Cat. No. (Without Stand)	230V	DH.BSC12	DH.BSC15	DH.BSC18
	120V	DH.BSC121	DH.BSC151	DH.BSC181
Price, Each. ₩				

<Continued On Next Page>

※ 운임 별도

※ The Price(VAT is extra) for Korean End-user, and Changeable.

<*Continued From...*DAIHAN® Class II Type A2 Biological Safety Cabinet "BSC">



Optional Frame Stand



Spare ULPA Filter Kit(2×Filters) :
1ea for Recirculation & 1ea for Exhaust

Optional Frame Stand for Biological Safety Cabinet, Powder Coated Steel

<L1>

		Ea. Price, ₩
DH.BSC12S	Stand, Biological Safety Cabinet, For w1200 Model, 1360×870×h700	
DH.BSC15S	, For w1500 Model, 1560×870×h700	
DH.BSC18S	, For w1800 Model, 1860×870×h700	

Spare ULPA-U15 Filter Kit, ≥0.12μm Particles Removal 99.9995%

		Ea. Price, ₩
DH.BSC12F	ULPA-U15 Filter Kit, Included 2×ULPA Filter for **w1200 Model**, 1×For Recirculation : 1220×457×h65mm, 1×For Exhaust : 657×455×h85mm	
DH.BSC15F	ULPA-U15 Filter Kit, Included 2×ULPA Filter for **w1500 Model**, 1×For Recirculation : 1520×457×h65mm, 1×For Exhaust : 857×455×h85mm	
DH.BSC18F	ULPA-U15 Filter Kit, Included 2×ULPA Filter for **w1800 Model**, 1×For Recirculation : 1820×457×h65mm, 1×For Exhaust : 1057×455×h85mm	



Inspection Certificate of Filters
MADI (주)마디 CERTIFIED



※ Please get in touch with DAIHAN as Filter System Replacement requires Airflow Validation

※ Filter System Replacement Cycle depends on the Environment but 6-12 Month is Recommended

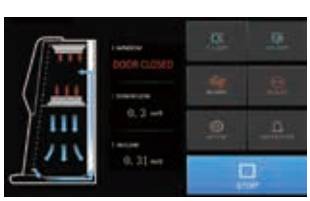
▶ Caution ! Please Replace the Polluted Filters in Good Time ! 오염된 필터들을 적시에 교체하세요 !

<User Convenience of "BSC">



Safety Height-Zone Alarm Function
(Alarm sound over 200mm height).





7" Full Touch TFT LCD Controller for User Convenience

- Monitoring Function for Real-time Airflow & Airspeed
- Real-time Error Alarm
- Maintenance of ULPA filter Operation Time

Installed Utility Device



1×Vacuum Cock (3/8" NPT)



2×220V AC Outlet (IP68)



Pressure Gauge for Downflow Air Circulation



Comfortable Armrest

DAIHAN® Filtering Vertical Clean Bench / PCR Workstation "CBV", Clean Class-10, ULPA-U15 & Pre-Filter, w1,200 · 1,500 · 1,800mm

With Bactericidal UV Lamp, Touch-type Controller, 8 Steps Vertical Air Velocity(0.3~0.6m/s), 2×LED Lamp, Vacuum Cock, and 2×AC Outlet

Portable Benchtop Form, Ideal for Sensitive Biological Applications, **크린벤치 / PCR 워크스테이션, 이동 탁상용, 수직 기류형, 8단계 풍속 조절**





Easy Use Touch Controller

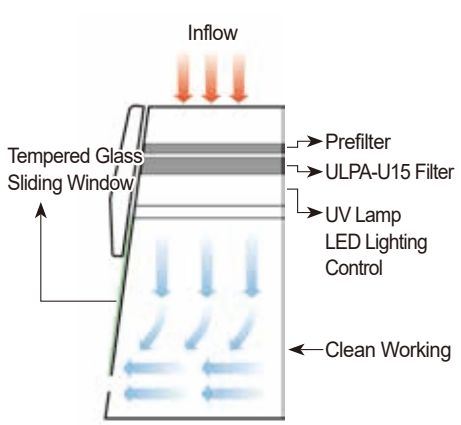
- ■ ***Supplied by DAIHAN Korea*** ■ ***PL(Product Liability) Insurance***
- ■ ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
- ■ ***ULPA-U15(Ultra Low Particulate Air) Filter for Vertical Air Flow(Clean Class-10) :***
  - *- ≥0.12μm Particles Removal 99.9995% by High Quality Dense Glass Fiber*
  - *- Recommended Replacement Cycle of ULPA-U15 Filter : Every 6~12 months*
- ■ ***Polyester Pre-Filter(≥3μm Particle) for Main Filter Protection From Dust***
- ■ ***Filter Replacement Cycle Alarm Function : 필터 교체 Alarm기능***
- ▶ ***Movable Benchtop. Ensuring High Performance Exhaust Filtering without Duct***
- ▶ ***Powerful AC Motor : Ensuring Stable Air-speed, Low Noise Level(Less than 65dB)***
- ∗ Utility Devices for Various Applications : 2×AC Outlet(220V, IP68), 1×Vacuum Cock(3/8" NPT)
- ∗ Adjustable Height UV Protection Tempered Glass Sliding Sash
- ∗ Optimized Air Flow System for Uniform Air Flow & Velocity ∗ Easy to Clean Working-table
- ∗ IP68 AC Inlet allows Desktop Euipment to be able to Positioned Inside

〈L1〉

Spec. \ Model		"CBV-12" w1200	"CBV-15" w1500	"CBV-18" w1800
Air Flow-type		Vertical Air Flow-type		
Working Space		1250×450×h700mm 360Lit	1550×450×h700mm 450Lit	1850×450×h700mm 540Lit
Air Volume		1,350m²/ h	1,700m²/ h	2,020m²/ h
Air Flow Velocity		8 Steps Vertical Air Flow Velocity(0.3~0.6 m/s)		
Bactericidal UV Lamp		1×Powerful 254nm UV Decontamination, 30W		
Filter and the Replacement Cycle		∗ 1ea ULPA-U15(Ultra Low Penetration Air) Filter (Clean Class-10) ≥0.12μm Particles Removal 99.9995% ∗ 1ea Polyester Pre-Filter(≥3μm Particles) ∗ Replacement Cycle of ULPA & Pre-Filter : 6~12 months		
Motor		150W AC Motor		
Display / Controller		Back Light LCD / Microprocessor Digital Controller with Touch UI		
Internal Lighting		2×15W LED Lamp(800Lux)		
Noise Level		≤ 65dB		
Window		UV Protection Tempered Glass Sliding Window		
Utility Device		2×AC Outlet(220V, IP68), 1×Vacuum Cock(3/8" NPT)		
Material		Internal : Stainless-steel(# 304), External : Powder Coated steel		
Dimension(mm) Without Stand	Outer	1360×870×h1370	1560×870×h1370	1860×870×h1370
	Inner	1250×450×h700	1550×450×h700	1850×450×h700
Electric Reqts.		1 Phase, AC 120V, 60Hz or AC 230V, 50/60Hz		
Cat. No. (Without Stand)	230V	DH.CBV12	DH.CBV15	DH.CBV18
	120V	DH.CBV121	DH.CBV151	DH.CBV181
Price, Each. ₩				

Re. Approx Size of Particulate Matter

- Fume(Acids) ; ≲1.0μm (이하) Particles
- Bacteria ; 0.5μm ~ 0.5m/m Particles
- Virus ; 0.018 ~ 0.4μm Particles
- ◦ VOCs ; Gas (기체)



Vertical Air Flow

▶ Caution ! Please Replace the Polluted Filters in Good Time !
오염된 필터들을 적시에 교체하세요 !

※ 운임 별도

Optional Frame Stand for Clean Bench, Powder Coated Steel

		Ea. Price, ₩
DH.BSC12S	Stand, Clean Bench, For w1200 Model, 1360×870×h700	
DH.BSC15S	, For w1500 Model, 1560×870×h700	
DH.BSC18S	, For w1800 Model, 1860×870×h700	

Spare ULPA-U15(≥ 0.12μm Particles Removal 99.9995%) and 3μm Polyester Pre-Filter ; Easy to Replace Filters

		Ea. Price, ₩
DH.CBV12FP	Prefilter for-w1200, 1220×457×h65mm	104,000
DH.CBV15FP	-w1500, 1520×457×h65mm	114,000
DH.CBV18FP	-w1800, 1820×457×h65mm	124,000
DH.CBV12FU	ULPA-U15 Filter for-w1200, 1220×457×h65mm	478,000
DH.CBV15FU	-w1500, 1520×457×h65mm	578,000
DH.CBV18FU	-w1800, 1820×457×h65mm	687,000

※ The Price(VAT is extra) for Korean End-user, and Changeable.

DAIHAN® PP Ductless Filtering Reagent Storage Cabinet "RSC", Internal Air Circulation System, 240 · 470 · 660-Lit.

Ideal for Storage of Acid · Chemical · VOCs, With Hybrid Composite Filter · All PP Chamber & Clear PVC Window

PP 내산성 필터식 밀폐형 시약장, 에어필터링 순환식, 휘발성 유기화합물 · 산 · 염기성 및 유해시약 보관용, 무닥트



Ⅰ."RSC240" & Ⅱ."RSC470"
1-Room Models



Ⅲ."RSC660"
2-Room Model



(2) Rail



(3) Tray for Spill Storage



(4) 4-Layer Hybrid Composite Filter



(5) Drawer Shelf

- ***Supplied by DAIHAN Korea***
- ***Fully Enclosed Self-Circulating System ;***
  - ***Prevents Exposure of the Air Inside the Cabinet to the Room.***
  - ***Reagent Gases are Filtered through 4-Layer Hybrid Composite Filter(HEPA, Acid, Alkaline, VOCs) and Circulated Inside.***
- ***Durable PP Chamber is Resistant to most Corrosive Chemicals.***
- ∗ Height Adjustable PP Sliding Drawer Shelf & PP Tray for Spill Storage
- ∗ Perforated Drawer Shelf Available(Optional)
- ∗ Easy to Observe Inside with PVC Window.
- ∗ High Efficiency Low Noise Turbo Fan with Overheat Protection System
- ∗ Display Temp, Humidity, VOCs Concentration
- ∗ Alarm Function when VOCs, Temp and Humidity are above the Set Value
- ∗ Fan Speed can be Set from 1 to 5 Steps to Increase Filter Life and Minimize Energy Consumption.
- ∗ Additional Sensors Available for External Monitoring (Optional ; Request when Ordering Cabinets.)
- ∗ Provides Key Lock for Security.
- ∗ Front Opening for Convenient Filter Management
- ∗ Completed Hazardous Gas Removal Capability & Door Durability Test



Fig1. Circulation Air Flow of 2-Room Model

Specifications & Ordering information

<L1>

Spec. \ Model		Ⅰ."RSC240" 1-Room	Ⅱ."RSC470" 1-Room	Ⅲ."RSC660" 2-Room ; 660Lit	
				Left (260Lit)	Right (400Lit)
Capacity		240Lit	470Lit	660Lit	
Door		1 Door	1 Door	2 Doors	
Material	External	White PP(Polypropylene) 8T, Front Panel : Gray PVC 10T			
	Internal	White PP(Polypropylene) 8T			
	Door	White PP(Polypropylene) 8T, Window : Clear PVC 5T			
	Drawer	White PP(Polypropylene) 8T			
Dimension (w×d×h, mm)	Internal	685×480×730	685×480×1,450	369×500×1,450	527×525×1,450
	External	700×600×1,000	700×600×2,000	1,000×600×2,000	
Shelf	Type	Sliding Drawer		Fixed Shelves	Sliding Drawer
	Size(mm)	525×395×h80		369×500	527×525×h80
	Included	2	4	2	4
	Max	4	8	2	8
	Max Load	30kg / Shelf		35kg / Shelf	30kg / Shelf
Circulation Fan		Air Flow : 3.48m³/min, Glass Fiber Reinforced Plastic, Power Consumption : 21W			
Controller & Display		7"Full Touch Screen TFT LCD			
Filter	Type	4-Layer Hybrid Composite Filter(VOCs, Acid, Base, HEPA) ※ VOCs(Volatile Organic Compounds)			
	Size(mm)	500×300×h100		700×300×h100	
Net Weight		65kg	95kg	135kg	
Electrical Reqts.		230V 50/60Hz			
Cat. No.		DH.RSC240	DH.RSC470	DH.RSC660	
Price, Ea. ₩		5,813,000	6,782,000	7,750,000	

∗ Other Specifications are available upon Customer's Request.

Spare Drawer Shelf, Tray, and Filter

		Ea. Price, ₩
DH.RSC.D50	(1) PP Drawer Shelf, w525×d395, for 240Lit & 470Lit	197,000
DH.RSC.D70	, w527×d525, for 660Lit	197,000
DH.RSC.D50R	(2) PP Drawer Rail, for 240Lit & 470Lit	245,000
DH.RSC.D70R	, for 660Lit	245,000
DH.RSC.T50	(3) PP Tray for Spill Storage, w685×d480, for 240Lit & 470Lit	173,000
DH.RSC.T70	, w527×d525, for 660Lit	270,000
DH.RSC.CF50	(4) Composite Hybrid Filter, w500×d300×h100, for 240Lit & 470Lit	679,000
DH.RSC.CF70	, w700×d300×h100, for 660Lit	969,000

Optional Drawer Shelf

		Ea. Price, ₩
DH.RSC.D50P	(5) PP Perforated Drawer Shelf, w525×d395, for 240Lit & 470Lit	319,000
DH.RSC.D70P	, w527×d525, for 660Lit	319,000

DAIHAN® Premium Acids/Corrosives Safety Cabinet "SCC", Compliance with EN14727 EU Standard, 124~836Lit.

Powder Coated Steel with Safety Melamine Coated Anti-Corrosive Plywood Interior, Spill-Proof PP Tray, Self Closing Door & Locking Type
Ideal for Storage of Acids & Corrosives and Flammables, **내부식성 캐비닛, 산 또는 부식성 유해용액 보관용,** Resistant Fume/Gas.



A. Under Bench-Type, 2 Door
Self Closing Door



B. Floor-Type, 2 Doors
Self Closing Door

(1) Included Tray : Anti-Corrosive PP

(2) Included Shelf : Safety Melamine Coated Plywood

- ***Supplied by DAIHAN Korea*** ■ ***부식성 화학물질을 안전 캐비닛에 보관하여 작업자와 작업실을 보호함.***
- ***Complies with EN14727 EU Standard*** ■ ***PL(Product Liability) Insurance***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
- ∗ Highly Secure Door Locking System
- ∗ Prevention of Static Electricity by Ground
- ∗ Includes 4 Adjustable Level Feet
- ∗ Easy to move and install Using Forklift
- ∗ Prevent the Stored Material Leakage by Anti-Leakage Bottom Design
- ▶ ***Double Wall Safety Construction***
  - ***1) Safety Melamine Resin-Coated Anti-Corrosive Plywood Interior(Metal-Free) for Excellent Chemical Resistance.***
  - ***2) Durable 1.2mm Thickness Robust Sheet Steel Structure Prevents Deformation.***
- ▶ ***Included h30mm Spill-Proof & Anti-Corrosive PP Tray Prevents Accidental Spill.***

※ Ductless Filtering Multi Vapors Purifier Box is Optionally Available. See Below !

Specifications & Ordering information

<L1>

Spec. \ Model		A. Under Bench-Type		B. Floor-Type		
		"SCC-100"	"SCC-200"	"SCC-400"	"SCC-500"	"SCC-800"
Effective Capacity		124 Lit	248 Lit	418 Lit	500 Lit	836 Lit
Dimension (w×d×h)	Outer (mm)	600×535×692	1200×535×692	659×535×1912	1200×535×1222	1200×535×1912
	Inner (mm)	547×440×518	547×440×518 ×2 Inner Chamber	547×440×1737	547×440×1047 ×2 Inner Chamber	547×440×1737 ×2 Inner Chamber
Material	Internal	Safety Melamine Coated Anti-Corrosive Plywood				
	External	Powder-Coated Steel				
Door ; Self Closing		1 ea	2 ea	1 ea	2 ea	2 ea
Shelf (Melamine-Coated Plywood)		1 ea	-	3 ea	2 ea	6 ea
Shelf Capacity		Max. Load : 50kg				
Tray (PP)		1 ea	2 ea	3 ea	2 ea	6 ea
Vent (Hole Diameter 60mm)		2 ea	3 ea	3 ea	5 ea	5 ea
Weight		90 kg	100 kg	150 kg	200 kg	250 kg
Cat. No.		DH.SCC100	DH.SCC200	DH.SCC400	DH.SCC500	DH.SCC800
Price, Each. ₩		1,348,000	1,844,000	2,365,000	2,794,000	2,984,000

※ 운임 별도

Spare Shelf & Tray For All "SCC" Cabinets

		Ea. Price, ₩
DH.SCCT	(1) Tray, PP, 540×430×h30mm	63,000
DH.SCCS	(2) Shelf, Melamine(MF) Coated Plywood, 545×435×h15.4mm	32,000



▶ Equipped Figure 약품장위에 설치한 그림
On the Chemicals Safety Cabinets

Optional Portable Ductless Filtering Multi Fume/Gas Purifier Box "SCF90-F"
유해가스 종합 정화기 박스, 무덕트 필터링형, 별도로 쉽게 설치 DIY

- ***설치법 ; 사용 중인(사용할) 약품장 상부에 Φ60mm Hole이 있거나 혹은 뚫어서, 본 정화기와 PVC Flexible Hose Φ50으로 연결***
- ***안전 캐비닛 내에 유해가스 발생 시 덕트없이 필터 여과 정화, 청정 공기 실내에 공급.***
- ***Powerful Forced Airflow and Low Noise by High Performance BLDC Motor***
- ***Complete 4 Filter Set with (1) HEPA-H14, (2) Acitive Carbon, (3) & (4) 2× Chemical Coated Active Carbon for ≥0.3μm All Particles Fume/Particles, from Acids, and VOCs Gas(휘발성 유기화합물). Details ; See the Selection Guide.***
- ***별도로 구매하여 사용자가 직접 Safety Cabinet에 쉽게 연결가능 (※자세한 설치 방법은 사용자 메뉴얼 참조)***
- ***Filter Replacement Cycle Alarm Function : 필터교체 주기는 약 6~12개월로 사용 조건에 따라 다를 수 있음***

		Ea. Price, ₩
DH.SCF90F	Filtering Gas Purifier Box, 480×303×h440mm, Powder-Coated Steel, With Complete 4Filter Set (Details ; See the Selection Guide)	1,983,000

Spare Framed Filters For Optional Vapors Purifier Box.

∗ The Size of Framed Filters ; 300×300×h100mm

		Ea. Price, ₩
DH.SCF90F2	HEPA-H14 Filter ; ≥0.3μm Particles(Bacteria · Fume · Dust, etc.) 99.995% 여과정화	145,000
DH.SCF90F3	Chemical Coated Active Carbon ; Fume(Acids) 흡착여과	295,000
DH.SCF90F4	; Ammonia & Formaldehyde 흡착여과	337,000
DH.SCF90F5	Active Carbon Filter ; Organics(VOCs) & Formaldehyde Gas 흡착여과	337,000

▶ Filter Selection Guide : See Page 134 !

※ The Price(VAT is extra) for Korean End-user, and Changeable.

DAIHAN® Premium 90min-resistant Flammables Safety Cabinet "SCF90", Type 90 by EN14470-1 Standard, 103~720 Lit

With 5-Layer Fireproof Structure(Powder-coated Steel · Ceramic-fiber Hybrid · Calcium Silicate Microporous · Gypsum · Melamine-coated Plywood)
Automatic Self Closing Door, Patented Safe Drawer-type Shelf, 90분 내화 안전 캐비닛, 유해 인화성 물품(용액) 안전 보관용



Ⅰ. Under Bench-Type, 2 Doors Self Closing Door



Ⅱ. Floor-Type, 2 Doors Self Closing Door

- ***Supplied by DAIHAN Korea*** ■ ***PL(Product Liability) Insurance***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System.***
- ***인화성 화학물질을 안전 캐비닛에 보관하여 작업자를 보호하고 화재 및 폭발 위험을 줄임***
- ***Type 90(90min.) Compliance with Safety Storage Cabinets for Flammable EU Standard EN14470-1 : The Internal Temperature of Safety Cabinet keep under 180K(Temperature Variation 180℃) for up to 90min.***
- ***EN14470-1 시험 기준으로 한국가스안전공사의 인화성 위험물 보관함 성능평가 시험을 통한 안전성 확보.***
- ***5-Layer Safety Structure ; Complete Fire Resistance & Prevention of Deformation / Explosion. : 5겹의 완벽한 내화 및 항폭발력의 구조임.***
  - *① Powder-Coated Steel · ② Hybrid Ceramic-Fiber · ③ Microporous Calcium Silicate · ④ Gypsum · and ⑤ Melamine-Coated Plywood*
- ***자동잠금 장치 고장시 수동잠금이 가능함***
  If the Self Closing Device doesn't work, it can be also Used As a Manual Closing type.

* Highly Secure Door Locking System
* Prevention of Static Electricity by Ground
* 30mm Height Spill-proof Safe Shelve
* Installed 4 Adjustable Level Feet
* Prevents the Stored Material Leakage by Anti-leakage Bottom Design
* Easy to move and install Bottom Design Using Forklift

▶ ***캐비닛의 도어와 환풍구가 열려 있는 상태에서 화재 발생 시 화염의 유입을 방지하기 위해서 캐비닛 주변온도가 +70℃ ±10℃가 되면 안전을 위해 자동으로 도어와 환풍구가 닫힘.***
Even if the Door and Vent are Opened, it will be Closed Automatically to Prevent the Inflow of Fire when the ambient Temp. Reaches +70℃±10℃

▶ ***특허 등록된 안전 편리형 서랍식 선반 장착.***
Patented Safe Drawer-type Shelf(특허 : 제 10-2476972호) : Roller Sliding Drawer-Self.

※ **Ductless Filtering Multi Vapors Purifier Box is Optionally Available See the Next Page !**

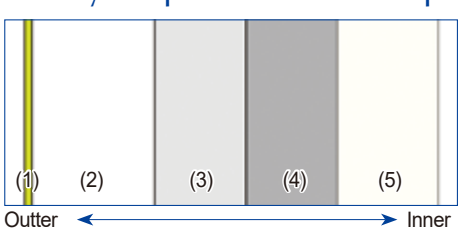
Specifications & Ordering information

<L1>

Spec. \ Model		Ⅰ. Under Bench-Type		Ⅱ. Floor-Type		
		"SCF90-100"	"SCF90-200"	"SCF90-300"	"SCF90-400"	"SCF90-700"
Type of Fire Resistance		Type 90; 90min Fire Resistance by EN14470-1 EU Standard				
Effective Cabinet Capacity		103 Lit	221 Lit	337 Lit	405 Lit	720 Lit
Dimension (w×d×h)	Outer (mm)	592×600×690	1102×600×690	592×600×1912	1102×600×1222	1102×600×1912
	Inner (mm)	455×470×485	970×470×485	455×470×1580	970×470×890	970×470×1580
Material	Internal	Melamine Resin-Coated Plywood				
	Insulation	Ceramic-Fiber Hybrid Board, Calcium Silicate Microporous Board, Gypsum Board				
	External	Powder-Coated Steel				
Door Types & Q'ty		Self Closing type Door				
		1 ea	2 ea	1 ea	2 ea	2 ea
Shelf, Patented Ease of Use		Roller Sliding Drawer-Type ; Powder Coated Steel				
Shelf Load & Q'ty		Max. Load 80kg				
		-	-	3 ea	2 ea	2 ea
Vent, ⌀60mm Hole		2ea Vent Holes on the Backside		2ea Vent Holes on the Upperside		
Weight		140kg	220kg	250kg	330kg	430kg
Cat. No.		DH.SCF9100	DH.SCF9200	DH.SCF9300	DH.SCF9400	DH.SCF9700
Price, Each. ₩		2,288,000	3,120,000	4,809,000	5,342,000	5,733,000

※ 운임 별도

※ 5-Layer Fireproof Structure For Complete 90min Fire Resistance & Explosion Resistance.



(1) Powder-Coated Steel : 파우더 코팅된 스틸을 사용하여 내화학성과 열 변형을 최소화함.

(2) Ceramic-Fiber Hybrid Board : 100% 무기질 성분으로 연소 시 연기와 악취가 발생하지 않고 내화 단열성능이 우수함.

(3) Calcium Silicate Microporous Board : 섬유와 필러로 보강된 불연성 매트릭스 광물로서 습기에 강하며 포름알데히드가 포함되어 있지 않다.

(4) Gypsum Board : 불연특성의 석고에 무기질 섬유를 보강한 내화성 단열재.

(5) Melamine-Coated Plywood : 단단하고 열에 강한 멜라민 수지로 코팅된 합판.

<Continued On Next Page>

Articles	Cat. No	Description

<*Continued From...*DAIHAN® Premium 90min-resistant Flammables Safety Cabinet "SCF90">



Patented Safe Drawer-Type Shelves

〈L1〉

Spare Safe Drawer Shelves, Roller Sliding Form.

		Ea. Price, ₩
DH.SCF901D1	Shelf, Powder-Coated Steel, For 300 Model, 450×460×h30mm	248,000
DH.SCF902D2	, For 400 & 700 Model, 965×460×h30mm	330,000

※ 한국가스안전공사 인화성 위험물 보관함 성능평가 완료!!!





EN14470-1 Standard 기준으로 화재 발생 상황을 구현한 한국가스안전공사의 방화시험을 통해 90분 동안 Safety Cabinet 내부 온도 변화 폭이 180℃ 이하로 유지하는 성능평가를 완료함.



Optional Ductless Filtering Vapors Purifier Box

Optional Portable Ductless Filtering Multi Fume/Gas Purifier Box "SCF90-F"
유해가스 종합 정화기 박스, 무덕트 필터링형, 별도로 쉽게 설치 DIY

- ***설치법 ; 사용 중인(사용할) 약품장 상부에 Φ60mm Hole이 있거나 혹은 뚫어서, 본 정화기와 PVC Flexible Hose Φ50으로 연결***
- ***안전 캐비닛 내에 유해가스 발생 시 덕트없이 필터 여과 정화, 청정 공기 실내에 공급.***
- ***Powerful Forced Airflow and Low Noise by High Performance BLDC Motor***
- ***Complete 4 Filter Set with (1) HEPA-H14, (2) Acitive Carbon, (3) & (4) 2×Chemical Coated Active Carbon for ≥0.3μm All Particles Fume/Particles, from Acids, and VOCs Gas(휘발성 유기화합물). Details ; See the Selection Guide.***
- ***별도로 구매하여 사용자가 직접 Safety Cabinet에 쉽게 연결가능 (※자세한 설치 방법은 사용자 메뉴얼 참조)***
- ***Filter Replacement Cycle Alarm Function : 필터교체 주기는 약 6~12개월로 사용 조건에 따라 다를 수 있음***

		Ea. Price, ₩
DH.SCF90F	Filtering Gas Purifier Box, 480×303×h440mm, Powder-Coated Steel, With Complete 4Filter Set (Details ; See the Selection Guide)	1,983,000



Spare & Optional Filter



Inspection Certificate of Filters
MADI CERTIFIED

Spare Framed Filters For Optional Vapors Purifier Box.

∗ The Size of Framed Filters ; 300×300×h100mm

		Ea. Price, ₩
DH.SCF90F2	HEPA-H14 Filter ; ≥0.3μm Particles(Bacteria · Fume · Dust, etc.) 99.995% 여과정화	145,000
DH.SCF90F3	Chemical Coated Active Carbon ; Fume(Acids) 흡착여과	295,000
DH.SCF90F4	; Ammonia & Formaldehyde 흡착여과	337,000
DH.SCF90F5	Active Carbon Filter ; Organics(VOCs) & Formaldehyde Gas 흡착여과	337,000

※ Filter Selection Guide For Optional Vapors Purifier Box.

Filter	Target	Material	Method	Description
(1) HEPA-H14 Filter	Particle	UltraMicro Glass Fiber	Physical	≥0.3μm 모든입자(세균·먼지·흄 등)를 99.995% 여과 정화.
(2) Acids Filter	Fume Vapor	Chemical-coated Active Carbon	Chemical	특정한 화학물질이 코팅된 활성탄에 Fume/Vapor(Acids, NH_3, S, etc.)나 먼지 등을 흡착 여과 정화, 2nm Molecule
(3) Ammonia NH_3 Formaldehyde Filter	Fume Vapor	Chemical-coated Active Carbon	Chemical	특정한 화학물질이 코팅된 활성탄에 암모니아, 아민, 포름알데하이드 등의 Fume/Vapor를 흡착 여과 정화. 2nm Molecule
(4) VOCs Filter Formaldehyde	Gas	Active Carbon	Chemical Physical	활성탄에 VOCs(휘발성 유기화합물의 총칭) CH_2O Gas나 먼지 등을 흡착 여과 정화. 2nm Molecule



▶ **Equipped Figure 약품장위에 설치한 그림 On the Chemicals Safety Cabinets**

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Zoyet® Acids/Corrosives Safety Cabinet "ZYC-B", with Double Layer Fire Proof Steel with Insulation Layer, 53~1683 Lit

For Easy Open & Close 180° Door with Double Keys, with Steel Shelves, Optional PP Trays, with Manual-/Self Closing-Door

Compliance with OSHA 29 CFR 1910.106 and NFPA CODE 30, **내부식성 캐비닛, 산 또는 부식성 유해용액 보관용,** Resistant Fume/Gas

CE EN 14470-1 EN 13501 NFPA OSHA EPA COMPLIANT SPCC COMPLIANT



■ *부식성 화학물질을 안전 캐비닛에 보관하여 작업자를 보호함*

■ *캐비넷 양 옆 두개의 ∅6cm(2.36in) 환기구 장착*

■ *Certified with EN14470* ■ *Complies with OSHA 29 CFR 1910.106, NFPA CODE 30 and FM Standard.*

■ *Safe Construction ;*

- Complete Double Layer Fire Proof Sheet Steel, 38mm of Insulation Layer between Double Layer Wall Space.
- Sheet Steel of Thickness over 1.0mm All-welded Together making it more Durable and Robust.
- Inside and Outside surface of Cabinet is finished on Blue Permanent and Corrosion- resistant Paints.
- Spill Control Sill of 5cm Height prevent Maximum Leak Control on Accidental Spill.
- 3-point Inter-active Locking System Provides Easy, Fail-safe, Positive Door Closure.
- Easy open-close 180° Cabinet Door with Double Keys
- If the Self Closing Device doesn't Work, it can be also Used as a Manual Closing Type.



incl. Adjustable Level Feet × 4

■ *Special Features ;*

(a) Fully Welded, not Riveted Construction holds Squareness for Long Life and offers greater Protection in a Fire since Air Gaps are reduced.
(b) Inside and Outside surface of Cabinet is finished on Blue Permanent and Corrosion-resistant Paints.
(c) Highly Secure Lock with Dual Protection (Padlock and Key lock) makes Storage Safer.
(d) Dual Vents with Built-in Flash Arresters Strategically placed at Bottom and Opposite Top.
(e) 5cm Leakproof Containment Sump holds Leaks and meets US EPA Requirements.
(f) Adjustable Leveling Feet make it easy to Balance Cabinets on Uneven Surface.
(g) Label makes it Apparently Visible for Site Manager or Operators to identify where the Chemicals stored quickly.
(h) Continuous Piano Hinge provides better Open-close Smooth Operation, ensuring Endurance and Reliability.



(1) Single Door, 146 Lit



(1) Single Door, 289 Lit

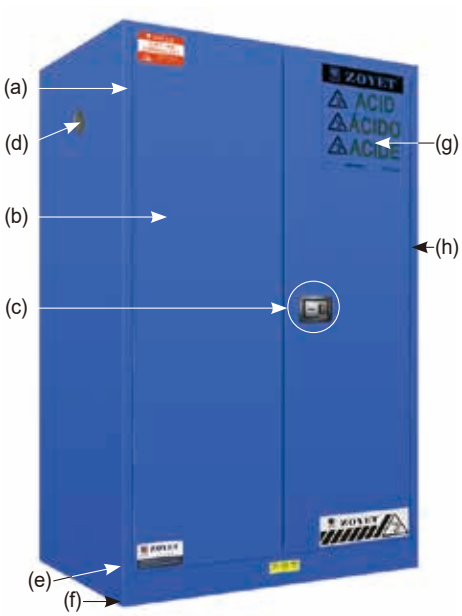
(1) with Manual-closing Single Door, 53 · 146 · 289 Lit, Shelves Capa : 50kg

※ 운임 별도 <L1>

Cat. No.	Description	Dimensions(mm) & Weight	Price, Ea. ₩
HW.ZYC0004B	1 Door, Manual, 1 Shelf , 53Lit	w430×d430×h560 , 35kg	518,190
HW.ZYC0012B	, 146Lit	w590×d460×h890 , 56kg	704,890
HW.ZYC0022B	, 2 Shelves, 289Lit	w590×d460×h1650, 85kg	900,250

(2) with Manual-closing 2 Doors, 379~1683 Lit, Shelves Capa : 100kg

Cat. No.	Description	Dimensions(mm) & Weight	Price, Ea. ₩
HW.ZYC0030B	2 Doors, Manual, 1 Shelf , 379Lit	w1090×d460×h1120, 100kg	1,030,500
HW.ZYC0045B	, 2 Shelves, 578Lit	w1090×d460×h1650, 138kg	1,356,130
HW.ZYC0060B	, 919Lit	w860×d860×h1650 , 165kg	1,594,920
HW.ZYC0090B	, 1193Lit	w1090×d860×h1650, 190kg	1,768,580
HW.ZYC0110B	, 1683Lit	w1500×d860×h1650, 270kg	2,115,900



(2), (3) 2 Doors, 1193 Lit

(3) with Self-closing 2 Doors, 379~1683 Lit, Shelves Capa : 100kg

Cat. No.	Description	Dimensions(mm) & Weight	Price, Ea. ₩
HW.ZYC0030BS	2 Doors, Self-closing, 1 Shelf , 379Lit	w1090×d460×h1120, 100kg	1,336,970
HW.ZYC0045BS	, 2 Shelves, 578Lit	w1090×d460×h1650, 138kg	1,662,590
HW.ZYC0060BS	, 919Lit	w860×d860×h1650 , 165kg	1,901,380
HW.ZYC0090BS	, 1193Lit	w1090×d860×h1650, 190kg	2,075,040
HW.ZYC0110BS	, 1683Lit	w1500×d860×h1650, 270kg	2,422,370

(4) Spare Steel Shelves for Flammable/Acid & Corrosives Safety Cabinets

		Ea. Price,₩
HW.GB0004	Steel Shelf, for 53Lit Cabinets , w340×d340×h28mm	75,130
HW.GB0012	, for 146 / 289Lit Cabinets, w500×d370×h28mm	75,130
HW.GB0030	, for 379 / 578Lit Cabinets, w1000×d370×h28mm	82,640
HW.GB0060	, for 919Lit Cabinets , w770×d770×h28mm	120,200
HW.GB0090	, for 1193Lit Cabinets , w1000×d770×h28mm	135,230
HW.GB0110	, for 1683Lit Cabinets , w1400×d770×h28mm	150,240



(4) Spare Steel Shelf

(5) Optional PP Trays for Acid & Corrosives Safety Cabinets

		Ea. Price,₩
HW.PPGB0004	PP Tray, for 53Lit Cabinets , w330×d330×h35mm	60,120
HW.PPGB0012	, for 146 / 289Lit Cabinets, w490×d360×h35mm	60,120
HW.PPGB0030	, for 379 / 578Lit Cabinets, w990×d360×h35mm	112,680
HW.PPGB0060	, for 919Lit Cabinets , w760×d760×h35mm	150,240
HW.PPGB0090	, for 1193Lit Cabinets , w1000×d760×h35mm	187,790
HW.PPGB0110	, for 1683Lit Cabinets , w1390×d760×h35mm	225,350



(5) Optional PP Tray

※ Exhaust Filtering System for Safety Cabinets
⇒ See the Page 134

Zoyet® PP Acids/Corrosives Safety Cabinet "ZYP", with Liquid-tight, with All-welded Interior, 84~633 Lit

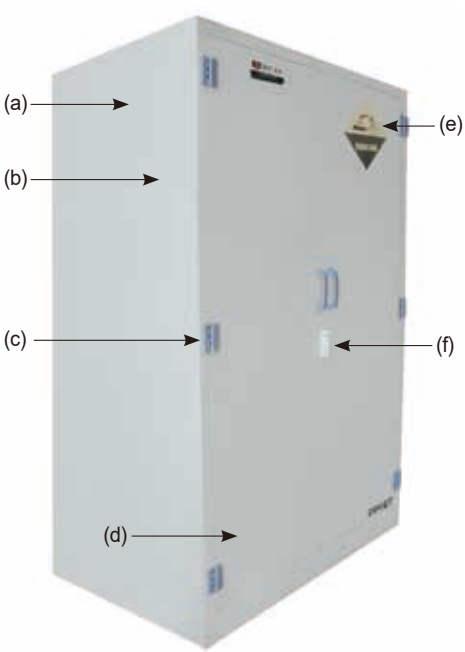
According to OSHA Requirement, White Durable Polypropylene, PP **내부식성 캐비닛, 강산**(Conc Acids) **& 강부식물질 보관용에 적합**

CE EN 14470-1 EN 13501 OSHA EPA COMPLIANT





(1) PP, Single Door, 84 Lit



(2) PP, 2 Doors, 633 Lit



(3) Spare PP Shelf (4 Hooks included)

- ***산 및 부식물질을 PP재질의 캐비닛에 안전하게 보관하여 작업자를 보호함***
- ***Certified with EN14470*** ■ ***Meets OSHA Requirement for Secondary Containment.***
- ***PP(Polypropylene) ; Excellent Resistant Chemicals & Temperature +125℃***
- ***White Durable Polypropylene (PP) Cabinet is intended to store Acid and Corrosive Substance, such as Example, Sulfuric Acid, Hydrochloric Acid, Acetic Acid, Nitric Acid, Sodium Hydroxide, Potassium Hydroxide etc.***
- ***Store the most Corrosive Chemicals with no fear of Rust or Corrosion of the Storage Cabinet.***
- ***All Cabinets have Liquid-tight, All-welded Interior to Contain Accidental Spills.***
- ***Special Features ;***
  - (a) PP Cabinet Body adopts High Quality Anti-shock White PP board of 8mm Thickness, Welded as a Whole with Same Property and Color Welding Bar.
  - (b) Equipped with Internationally recognized Leakage Proof Shelves, which could be detached out to be cleaned. Shelves are Adjustable.
  - (c) PP Hinges for Durability and Long Life.
  - (d) Cabinet Door could be customized as Left-open or Right-open.
  - (e) Cabinet Doors are marked clearly with Warning Label Reading "CORROSIVE".
  - (f) To improve Operational Safety, Padlock could be used to provide Extra Protection.

(1) Manual-closing Single Door, 84 · 194 Lit, Shelves Capa : 25kg(for 84L), 30kg(for 194L) <L1>

Cat. No.	Description	Dimensions(mm) & Weight	Price, Ea. ₩
HW.ZYP0004	1 Door, Manual, 1 Shelf, 84Lit	w430×d430×h560, 11kg	495,770
HW.ZYP0012	, 194Lit	w590×d460×h890, 25kg	721,120

(2) Manual-closing 2 Doors, 434 · 453 · 633 Lit Shelves, Capa : 35kg(for 434L), 40kg(for 453/633L)

Cat. No.	Description	Dimensions(mm) & Weight	Price, Ea. ₩
HW.ZYP0026	2 Doors, Manual, 1 Shelf , 434Lit	w910×d600×h900 , 46kg	1,276,950
HW.ZYP0030	, 453Lit	w1090×d460×h1120, 52kg	1,427,180
HW.ZYP0045	, 2 Shelves, 633Lit	w1090×d460×h1650, 75kg	1,772,700

※ 운임 별도

(3) Spare PP Shelves for Acid & Corrosives PP Safety Cabinets

		Ea. Price,₩
HW.PPS04	PP Shelf, for 84Lit Cabinets, w405×d345×h78mm	60,120
HW.PPS12	, for 194Lit Cabinets, w565×d375×h78m	75,130
HW.PPS26	, for 434Lit Cabinets, w885×d515×h78mm	127,700
HW.PPS30	, for 453 / 633Lit Cabinets, w1065×d375×h78mm	127,700

※ Exhaust Filtering System for Safety Cabinets
⇒ See the Page 134



Polypropylene (PP) Safety Cabinet for Acid & Corrosives

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Zoyet® 15min-resistant Flammable Safety Cabinet "ZYC", with Double Layer Fire Proof Steel with Insulation Layer, 53~1683 Lit

For Easy Open & Close 180° Door with Double Keys, with High Visible Warning Label, with Manual-/Self Closing-Door

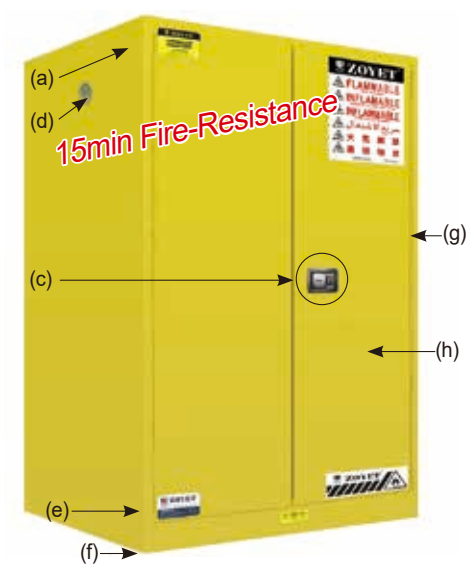
Compliance with OSHA 29 CFR 1910.106 and NFPA CODE 30, 15분 내화 안전 캐비닛, 인화성 물품[용액] 안전 보관용

CE EN 14470-1 EN 13501 NFPA OSHA EPA SPCC





(1) Single Door, 53Lit



(2), (3) 2 Doors, 1193 Lit



(4) Spare Steel Shelf

■ *인화성 화학물질을 안전 캐비닛에 보관하여 작업자를 보호하고 화재 위험을 줄임*
■ *Certified with EN14470*
■ *Complies with US OSHA 29 CFR 1910.106, NFPA CODE 30 and FM Standard*
■ *Safe Construction ;*
- Complete Double Layer Fire Proof Sheet Steel, 38mm of Insulation Layer between Double Layer Wall Space.
- Sheet Steel of Thickness over 1.0mm All-welded Together making it more Durable and Robust, with Better Fire Proof Capacity.
- Galvanized Steel Shelves direct Spills to Back and Bottom of a Leakproof 50mm/150mm Bottom Sump.
- Spill Control Sill of 5cm Height prevent Maximum Leak Control on Accidental Spill.
- 3-point Inter-active Locking System Provides Positive Closure with Increased Heat Resistance.
- If the Self Closing Device doesn't Work, it can be also Used as a Manual Closing Type.

■ *Special Features ;*


incl. Adjustable Level Feet×4

(a) Fully Welded, not Riveted Construction holds Squareness for Long Life and offers greater Protection in a Fire since Air Gaps are reduced.
(b) Safety Shelves direct Spills to back and Bottom of Leakproof Sump. Adjustable on 60mm Centers, they meet ANSI Standards with a 99kg Theoretically Allowable Load.
(c) Highly Secure Lock with Dual Protection (Padlock and Key lock) makes Storage Safer.
(d) Dual Vents with Built-in Flash Arresters Strategically placed at Bottom and Opposite Top.
(e) 5cm Leakproof Containment Sump holds Leaks and meets US EPA Requirements.
(f) Adjustable Leveling Feet make it easy to Balance Cabinets on Uneven Surface.
(g) Continuous Piano Hinge provides better Open-close Smooth Operation, ensuring Endurance and Reliability.
(h) Durable and Chemical-resistant, Lead-free Powder-coat Paint Finish, Inside and Out, retains High Gloss Look and minimizes the Effects of Corrosion and Humidity.

(1) with Manual-closing Single Door, 53 · 146 · 289 Lit, Shelves Capa : 50kg

※ 운임 별도 〈L1〉

Cat. No.	Description	Dimensions(mm) & Weight	Price, Ea. ₩
HW.ZYC0004	1 Door, Manual, 1 Shelf , 53Lit	w430×d430×h560 , 35kg	518,190
HW.ZYC0012	, 146Lit	w590×d460×h890 , 56kg	704,890
HW.ZYC0022	, 2 Shelves, 289Lit	w590×d460×h1650, 85kg	900,250

(2) with Manual-closing 2 Doors, 379~1683 Lit, Shelves Capa : 100kg

Cat. No.	Description	Dimensions(mm) & Weight	Price, Ea. ₩
HW.ZYC0030	2 Doors, Manual, 1 Shelf , 379Lit	w1090×d460×h1120, 100kg	1,030,500
HW.ZYC0045	, 2 Shelves, 578Lit	w1090×d460×h1650, 138kg	1,356,130
HW.ZYC0060	, 919Lit	w860×d860×h1650 , 165kg	1,594,920
HW.ZYC0090	, 1193Lit	w1090×d860×h1650, 190kg	1,768,580
HW.ZYC0110	, 1683Lit	w1500×d860×h1650, 270kg	2,115,900

(3) with Self-closing 2 Doors, 379~1683 Lit, Shelves Capa : 100kg

Cat. No.	Description	Dimensions(mm) & Weight	Price, Ea. ₩
HW.ZYC0030S	2 Doors, Self-closing, 1 Shelf , 379Lit	w1090×d460×h1120, 100kg	1,336,970
HW.ZYC0045S	, 2 Shelves, 578Lit	w1090×d460×h1650, 138kg	1,662,590
HW.ZYC0060S	, 919Lit	w860×d860×h1650 , 165kg	1,901,380
HW.ZYC0090S	, 1193Lit	w1090×d860×h1650, 190kg	2,075,040
HW.ZYC0110S	, 1683Lit	w1500×d860×h1650, 270kg	2,422,370

(4) Spare Steel Shelves for Flammable / Acid & Corrosives Safety Cabinets

		Ea. Price,₩
HW.GB0004	Steel Shelf, for 53Lit Cabinets , w340×d340×h28mm	75,130
HW.GB0012	, for 146/289Lit Cabinets, w500×d370×h28mm	75,130
HW.GB0030	, for 379/578Lit Cabinets, w1000×d370×h28mm	82,640
HW.GB0060	, for 919Lit Cabinets , w770×d770×h28mm	120,200
HW.GB0090	, for 1193Lit Cabinets , w1000×d770×h28mm	135,230
HW.GB0110	, for 1683Lit Cabinets , w1400×d770×h28mm	150,240

※Exhaust Filtering System for Safety Cabinets
⇒ See the Page 134

Articles	Cat. No	Description

ABS Assembling Utility Carts, Heavy-Duty, with Tray Shelf • Detachable Handle • 4 Casters
Excellent Resistance Against High Impact • Chemicals • Temp(−40+90℃), ABS 조립식 다용도 카트, 튼튼한 구조의 플라스틱

■ *Supplied by DAIHAN Korea* ■ *Sturdy Construction & Best Durability.* ■ *Easy to Assemble(DIY); Everybody, Anywhere! 누구나 쉽게 조립!*
■ *Made of ABS Resin "Acrylonitrile Butadiene Styrene Copolymer" 우수한 내충격·내구성·내약품성·내열성의 공중합체 플라스틱*

▶ **Multiuse in Foodstuff, Laboratory, Medical, and Industry Field.**
▶ **Compact Cardboard Packaging For Easy Transfer; Average-67×46×21cm & 10kg**


(1) Basic-type ; 2 or 3 Shelf


(2) Guardrail-type ; 2 or 3 Shelf


(3) 1 or 2 Drawer & Guardrail-type ; 2 or 3 Shelf


Figure; Assembling Components 조립용 부품들


Figure; Compact Packaging 조립식카트 1개 간편 포장 상태

※ 운임 별도 <L1>

(1) Basic-type ABS Cart, with 2 & 3 Shelf

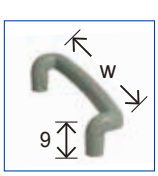
		Ea.	Price, ₩
DH.Car30562	Cart, ABS, 2 Shelf, 56×w39×h82cm, Shelf Size - 44×34cm, Shelf Distance - 56cm, Pack - 62×39×14cm, 6.5kg		55,130
DH.Car30662	, 66×w46×h82cm, - 53×40cm, - 56cm, - 67×46×15cm, 8.3kg		64,690
DH.Car30822	, 82×w49×h82cm, - 68×44cm, - 56cm, - 83×52×15cm, 10.5kg		92,430
DH.Car30563	Cart, ABS, 3 Shelf, 56×w39×h82cm, Shelf Size - 44×34cm, Shelf Distance - 27cm, - 58×39×19cm, 7.9kg		64,990
DH.Car30663	, 66×w46×h82cm, - 53×40cm, - 27cm, - 67×46×21cm, 10.6kg		77,370
DH.Car30823	, 82×w49×h82cm, - 68×44cm, - 27cm, - 83×52×20cm, 13.5kg		107,880

(2) Guardrail-type ABS Cart, with 2 & 3 Shelf

		Ea.	Price, ₩
DH.Car30562G	Cart, ABS, 2 Shelf, 56×w39×h82cm, Shelf Size - 44×34cm, Shelf Distance - 56cm, Pack - 62×39×14cm, 6.7kg		63,570
DH.Car30662G	, 66×w46×h82cm, - 53×40cm, - 56cm, - 67×46×15cm, 8.6kg		70,320
DH.Car30563G	Cart, ABS, 3 Shelf, 56×w39×h82cm, Shelf Size - 44×34cm, Shelf Distance - 27cm, - 58×39×19cm, 8.3kg		77,630
DH.Car30663G	, 66×w46×h82cm, - 53×40cm, - 27cm, - 67×46×21cm, 11kg		84,380
DH.Car30823G	, 82×w49×h82cm, - 68×44cm, - 27cm, - 83×52×20cm, 14kg		126,180

(3) Drawer & Guardrail-type ABS Cart, with 2 & 3 Shelf, 1- or 2-Drawer

		Ea.	Price, ₩
DH.Car30562GD	Cart, ABS, 2 Shelf, 1 Drawer, 56×w39×h82cm, Shelf Size - 44×34cm, Shelf Distance - 45cm, Pack - 62×39×21cm, 7.5kg		72,000
DH.Car30662GD	, 2 Drawer, 66×w46×h82cm, - 53×40cm, - 47cm, - 67×46×22cm, 9.9kg		80,180
DH.Car30563GD	Cart, ABS, 3 Shelf, 1 Drawer, 56×w39×h83cm, Shelf Size - 44×34cm, Shelf Distance - 27cm, - 58×39×26cm, 8.9kg		83,250
DH.Car30663GD	, 2 Drawer, 66×w46×h83cm, - 53×40cm, - 27cm, - 67×46×27cm, 12kg		95,630
DH.Car30823GD	, 82×w49×h83cm, - 68×44cm, - 27cm, - 83×52×30cm, 15kg		134,620



Spare Handles

<L3>

		Ea.	Price, ₩
DH.30562.HD	**Spare Handle,** Thick 7cm, w36×9cm, For - w39 (width) Carts All.		1,140
DH.30662.HD	, w42×9cm, - w46 (width) Carts All.		1,630
DH.30822.HD	, w47×9cm, - w49 (width) Carts All.		1,950



Two-way Drawer Dressing Cart, ABS, with 4 & 5 Drawer, with Handle
Ideal for Lab • Medical • Industrial, with Stop-On Casters, 양방향 서랍식 플라스틱 카트

■ *Supplied by DAIHAN Korea* ＊Accessory Drawer for Storage / Handling Convenience.
＊Multi-Purpose : Laboratories, Hospitals, and Work Site for Transport and Storage

(1) 4-Drawer Dressing Cart

＊2 Drawer(39×43×h8cm) & 2 Drawer(39×43×h17cm)

※ 운임 별도 <L3>

		Ea.	Price, ₩
DH.Car3064D4	Cart, ABS, 4 Drawers, 64×48×h85cm, Shelf Size(in) - 44×43cm, Drawer Size(in) - 39×43×8/17cm		313,550

(2) 5-Drawer Dressing Cart

＊4 Drawer(39×43×h8cm) & 1 Drawer(39×43×h17cm)

		Ea.	Price, ₩
DH.Car3064D5	Cart, ABS, 5 Drawers, 64×48×h85cm, Shelf Size(in) - 44×43cm, Drawer Size(in) - 39×43×8/17cm		266,670

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



(1) With Guardrails 2 Shelf



(2) With Guardrails 3 Shelf

Stainless-steel Dressing Cart, with 2 & 3 Shelf and Guardrails
For Lab · Medical · Industrial, with Stop-On Caster, 다용도 2 & 3단 카트

■ ***Supplied by DAIHAN Korea***
■ ***Guard Rails help Prevent Items from Slipping off Shelves.***

※ 운임 별도 〈L3〉

(1) With Guardrails 2 Shelf

		Ea. Price, ₩
C9.4011	Cart, 2 Shelf, 50×40×h85cm	124,320
C9.4012	, 60×45×h90cm	138,130
C9.401M	, 75×45×h90cm	241,730
C9.401L	, 95×45×h90cm	296,980

(2) With Guardrails 3 Shelf

		Ea. Price, ₩
C9.4014	Cart, 3 Shelf, 65×45×h90cm	296,980
C9.4015	, 95×45×h90cm	393,670



(1) With Vertical Handles 2 Shelf



(2) With Vertical Handles 3 Shelf

Stainless-steel Handled Dressing Cart, with 2 & 3 Shelf & Guardrails
For Lab · Medical · Industrial, 핸들 타입 다용도 2 · 3단 카트

■ ***Supplied by DAIHAN Korea***
∗ with Stop-On Casters ∗ Convenient to Use Built in Handle
∗ Easy to Clean and Long Life-time High Quality Stainless-steel : Composed Stainless-steel Frame/Plate Shelves.

※ 운임 별도 〈L3〉

(1) With Vertical Handles, 2 Shelf

		Ea. Price, ₩
C9.4219	Cart, 2 Shelf, 75×45×h95cm	345,320
C9.4220	, 95×45×h95cm	428,190

(2) With Vertical Handles, 3 Shelf

		Ea. Price, ₩
C9.4221	Cart, 3 Shelf, 75×45×h95cm	428,190
C9.4222	, 95×45×h95cm	517,980



(1) with 1 Basket & 1 Shelf



(2) With 2 Basket

Utility Stainless-steel Cart, with 1 or 2 Wire Basket
Ideal for Drying, Storage, and Transfer, 건조 · 보관 · 운반용 다용도 카트

■ ***Supplied by DAIHAN Korea*** ∗ with Stop-On Casters

※ 운임 별도 〈L3〉

(1) With 1 Basket & 1 Shelf

		Ea. Price, ₩
C9.4101	Cart, Multi-purpose, 65×50×h90cm	393,670

(2) With 2 Basket

		Ea. Price, ₩
C9.4102	Cart, Multi-purpose, 65×50×h90cm	428,190



SciLab® Bottle Safety Rack Cart, Stainless-steel, Up to 2×20/25Lit Bottles
Used in Lab · Medical · Industrial, with 2 Shelf & Stop-On Casters, 바틀 랙 카트, 25Lit 병 2개 수용

■ ***Supplied by DAIHAN Korea***
∗ Integrated Push Handle for Easy Maneuverability Handling
∗ Stainless-steel Plate at the Bottom for Extra Storage

※ 운임 별도 〈L1〉

		Ea. Price, ₩
SL.Car7011	Safety Rack Cart, for 1×25ℓ Bottle, 28×28×h93cm	256,000
SL.Car7012	, for 2×25ℓ Bottle, 54×28×h93cm	386,400

Articles	Cat. No	Description



SciLab® Assembling Multiuse 5-Deck Storage Cart, with Protection Curtain & Stop-On Casters
Ideal for Drying and Storage, with Stainless-steel Frame & Wire- Shelves, 조립식 다용도 5단 건조/보관대

■ ***Supplied by DAIHAN Korea*** ■ ***Adjustable Shelves Distance : 선반 간격 조절형***
■ ***Multi-use : Movable Shelves and Drying Glassware Organizations such as the Test Apparatus Made of Stainless-steel Wire and Stainless-steel Pipe***
∗ Different Tray Hole Sizes (90-/55-/43-/30-mm and Shelf) to dry different type of Glassware Conveniently
∗ Assembly and Disassembly is Easy to Carry Mobile Drying
∗ May Prevent the Adhesion of Dust to the Curtain.
∗ Drying, Moving, and Storage can be Comprehensively.

※ 운임 별도 〈L1〉

		Ea.	Price, ₩
SL.Car7061	**Cart with Curtain**, Displaying, 5-deck, SS, 70×45×h160cm , Pack-54×80×21cm, 23kg		643,950
SL.Car7062	, 90×45×h160cm , -54×100×21cm, 26kg		772,700
SL.Car7063	, 120×45×h160cm, -54×130×21cm, 31kg		929,190

20 & 40kg Gas Cylinder Safety Carts, for 1 & 2 Cylinder, Made of Stainless-steel or Coated Steel, 가스실린더용 안전카트

■ ***Supplied by DAIHAN Korea*** ∗ Application : Gas Cylinder Safe Moving and Storage in Hospital, Laboratory etc.
∗ Structure : Special Structure for Easy to Move, Collapsible Portable



(1) C9.4402



(2) C9.4403



(3) S25.HDT004



(4) S25.HDT005

Stainless-steel Cart, for 1×20 or 40kg Cylinder

※ 운임 별도 〈L3〉

		Ea.	Price, ₩
C9.4402	(1) Cart, Stainless-steel, for 1×20kg Gas Cylinder		172,670
C9.4403	(2) , for 1×40kg Gas Cylinder		290,070

Steel Cart, for 1 or 2×40kg Cylinder

〈L4〉

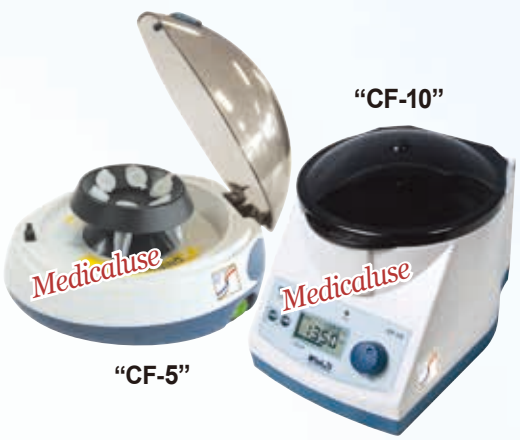
		Ea.	Price, ₩
S25.HDT004	(3) Cart, Steel, for 1×40kg Gas Cylinder, Air Caster		85,940
S25.HDT005	(4) , for 2×40kg Gas Cylinder		109,380

※ The Price(VAT is extra) for Korean End-user, and Changeable.

DAIHAN Scientific

Centrifuges

0.2~2.0ml Microcentrifuges ····· P. 142~145
6 · 12 · 24-place *New* ····· P. 142~145
24-place, Refrigerated *New* ····· P. 145
Clinical Centrifuges ····· P. 146~148
Microhematocrit(Capillaries) ····· P. 146
1.5~50ml ····· P. 147~148
General Purpose Centrifuges 0.2~500ml ····· P. 149~150
Refrigerated Centrifuges 0.2~1000ml ····· P. 151~153



Micro Centrifuge, 6-&12-Places
"CF-5" & "CF-10"
Max. 13,500rpm



Hi-Speed Refrigerated
Micro Centrifuge, 24-Places
"CFH-24R"
-20℃, Max.17,000rpm



MicroHematocrit Centrifuge
24-Places, "CEF-MHT"
Capillary Tubes, 12,000rpm



Refrigerated Hi-Volume Centrifuge
"CEF-250R"
1.5~250ml, -50℃, 4,300rpm

Articles	Cat. No	Description

DAIHAN® 6-Place High Performance Mini-microcentrifuge Set "CF-5", Max. 5,500 rpm, *Medicaluse*

With Circular Fixed-Angle Rotor for 6×0.2/0.5/1.5/2.0㎖ Tubes and Strip Rotor for 2×0.2㎖ PCR 8-tubes Strips/16×0.2㎖ PCR Tubes

미니-마이크로 원심분리기 세트, 앵글-/스트립-로터 포함, 0.2/0.5㎖ 튜브 어댑터 포함

CE *Medicaluse*



Circular Fixed-Angle Rotor for 6×0.2~2.0ml Tubes

2-Year Warranty



Operation Display LED Lamp

■ ***Supplied by DAIHAN Korea*** ■ ***CE Certified*** ■ ***PL (Product Liability) Insurance***

∗ with Certificate & Traceability ∗ Complete Set with Circular Fixed-Angle Rotor and Fixed Strip Rotor

∗ Supplied with two Rotors :

- **Circular Fixed-Angle Rotor** for 6×0.5-/1.5-/2.0-㎖ Tubes (6×0.2-/0.5-ml tube Adapters included)
- **Strip Rotor** for 2×0.2㎖ PCR 8-tubes Strips or 16ea of individual 0.2㎖ PCR Tubes

∗ Smooth Opening of the Lid by Simply Pressing ∗ Operation Display LED Lamp

∗ Lid-Activated On/Off Safety Switch : Close the Clear Lid to Start and Open to Stop

Specifications & Ordering information

〈M1〉

Spec. \ Model		"CF-5"
RPM & Max. RCF		Max. 5,500 rpm, 1,775×g
Max. Capacity		6×0.5-/1.5-/2.0-㎖ tubes, 2×0.2㎖ PCR 8-tube Strip or 16×0.2㎖ PCR 8 Tubes
Rotor (included)	Angle Rotor	6 Holes Circular Fixed-Angle Rotor for 0.5-/1.5-/2.0-㎖ Tubes
	Strip Rotor	16 Holes Strip Rotor for 0.2㎖ PCR 8-tube Strip or individual Tubes
Adapter		Included 6×0.2-/ 0.5-㎖ Tube Adapter
Material		Lid-PC, Body-ABS, Rotor-ABS
Dimension (w×d×h)		Unit : 178×150 ×h109 mm, Packing : 200×180×h175mm, 2kg
Power Consumption		8 W
Electric Reqts.		1 Phase, AC 100~240V, 50/60Hz
Cat. No.	230V	**DH.WCF00005**
	120V	**DH.WCF00025**
Price, Each. ₩		143,000

DAIHAN® 6-Place Hi-Quality Mini-microcentrifuge Set "CF-6", Max. 5,500 rpm, Rapidly Stop Spin-motion for Safety

With Circular Fixed-Angle Rotor for 6×0.2/0.5/1.5/2.0㎖ Tubes and Strip Rotor for 2×0.2㎖ PCR 8-tubes Strips/16×0.2㎖ PCR Tubes

미니-마이크로 원심분리기 세트, 신속한 회전동작 정지, 앵글-/스트립-로터 포함, 0.2/0.5㎖ 튜브 어댑터 포함

2-Year Warranty



"CF-6" for 6 Tubes of 0.2 ~ 2.0㎖ with Circular Fixed Angle Rotor

■ ***Supplied by DAIHAN Korea***

■ ***PL (Product Liability) Insurance*** ■ ***Rapidly Stop Spin-motion for user safety***

∗ with Certificate & Traceability

∗ Complete Set with two Rotors :

- **Circular Fixed-Angle Rotor** for 6×0.5-/1.5-/2.0-㎖ Tubes (6×0.2-/0.5-㎖ tube Adapters included)
- **Fixed Strip Rotor** for 2×0.2㎖ PCR 8-tubes Strips or 16ea of individual 0.2㎖ PCR Tubes

∗ Smooth Opening of the Lid by Simply Pressing ∗ Rubberized Base

∗ Lid-Activated On/Off Safety Switch : Close the Clear Lid to Start and Open to Stop

Specifications & Ordering information

〈L1〉

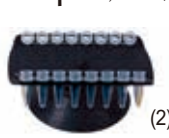
Spec. \ Model		"CF-6", Rapidly Stop Spin-motion for Safety
RPM & Max. RCF		Max. 5,500 rpm, 1,775×g
Max. Capacity		6×0.5-/1.5-/2.0-㎖ tubes, 2×0.2㎖ PCR 8-tube Strip or 16×0.2㎖ PCR 8 Tubes
Rotor (included)	Angle Rotor	6 Holes Circular Fixed-Angle Rotor for 0.5-/1.5-/2.0-㎖ Tubes
	Strip Rotor	16 Holes Strip Rotor for 0.2㎖ PCR 8-tube Strip or individual Tubes
Adapter		Included 6×0.2-/ 0.5-㎖ Tube Adapter
Material		Lid-PC, Body-ABS, Rotor-ABS
Dimension (w×d×h)		Unit : 144×192 ×h108mm, 1.1kg, Packing : 175×255×h215mm, 1.6kg
Power Consumption		8 W
Electric Reqts.		1 Phase, AC 100~240V, 50/60Hz
Cat. No.	230V	**DH.WCF00006**
	120V	**DH.WCF00026**
Price, Each. ₩		169,000

Fixed Rotor & Adapter for Spare, 0.2-/0.5-㎖ Tube Adapter-set, 스페어 로터/튜브 어댑터

〈L1〉



(1)



(2)

(3)

		Ea. Price, ₩
DH.WCF00105	(1) Circular Fixed Angle Rotor, for **"CF-6", "CF-5"** for 6×0.2-/0.5-/1.5-/2.0-㎖ Tubes	6,700
DH.WCF00205	(2) Fixed Strip Rotor, for **"CF-6", "CF-5"** for 2×0.2㎖ PCR8-tube Strips or 16×0.2㎖ PCR Tubes	6,000
DH.WCF00201	(3) 0.2㎖ Tube Adapter-sets, 6ea Adapter/1set, for Circular Fixed Angle Rotor, for **"CF-6", "CF-5"**	3,000
DH.WCF00301	(3) 0.5㎖ Tube Adapter-sets, 6ea Adapter/1set, for Circular Fixed Angle Rotor, for **"CF-6", "CF-5"**	4,300

※ The Price(VAT is extra) for Korean End-user, and Changeable.

DAIHAN® 12-Place High Performance Pro-microcentrifuge Set "CF-10", Max. 13,500rpm, *Medicaluse*

With MC Nylon Fixed Angle Rotor for 12×0.2-/0.5-/1.5-/2.0-㎖ Tubes, Compact, Quiet, Safety Electronic Lid Lock System

프로-마이크로 원심분리기, 전자식 안전 도어 잠금 시스템, 앵글 로터 포함, 0.2/0.5㎖ 튜브 어댑터 포함

CE *Medicaluse*

Max. 13,500 rpm



2-Year Warranty

- ***Supplied by DAIHAN Korea***
- ***CE Certified*** ■ ***PL(Product Liability) Insurance***
- ***Unbelievably Quiet Operation - Brushless DC motor***
- ***High Performance - Digital Feedback Speed Control, Max. 13,500rpm, 12,225×g***
- ***Useful Exclusive Spin Down Function***
- ***Included MC Nylon Fixed Angle Rotor for 1.5-/2.0-㎖×12 Tubes and 12×0.2-/0.5-㎖ PCR Tube Adapters***
- ***Patented Jog-Shuttle Control System and Digital LCD with Back-Light Function***
- ***PL(Product Liability) Insurance***

∗ Plasmid, DNA and RNA work, protein work, and miniprep kit, Cell Culture, cell harvesting, subcellular separations, and many other applications.
∗ Unnecessary Rotor Lid for Running and Reducing Noise (≤57dB at Max. RPM).
∗ Realize Extremely Compact Design with Exceptionally Small Footprint.
∗ Acceleration and Braking Times are Lower than 15 sec (at Max. Speed).
∗ Storage Function for the Set Values : RPM & Time.
∗ Locking Mode Supported for Experimental Safety (Input to Jog-Shuttle can be disabled).
∗ Safety System for Motor Error.
∗ **Safety Electronic Lid Lock System :** Opening Lid is not applicable during running.
∗ Simple Operation for Repetitive use of 'Spin Down' Function.



(1) MC Nylon Fixed Angle Rotor for 12×0.2-/0.5-/1.5-/2.0-㎖ (Included)



(2) Tube Adapters for 12×0.2/0.5㎖ Tube (Included)

Specifications & Ordering information

〈M1〉

Spec. \ Model		"CF-10"
RCF		1,000~13,500 RPM, 12,225×g
Max. Capacity		0.2-/0.5-/1.5-/2.0-㎖×12 Tubes
Rotor		MC Nylon Fixed Angle Rotor for 0.2-/0.5-/1.5-/2.0-㎖×12 Tubes
Drive System		Brushless DC motor, Direct drive
Noise Level		≤57 dB
Acceleration & Braking Time		≤15 sec (at Max. speed)
Cooling Device		Air Cooling System
Timer & Alarm		99hr 59min (Continuous run), Error status & Timer-end
Display		Digital LCD with Back-Light Function
Controller		Digital Feedback Control with Jog-Shuttle Switch (Turn+Push)
Safety Circuit		Motor Error Detector, Electronic Safety Lid Lock System
Material		Lid-PC, Body-ABS, Rotor-PE
Dimension & Weight		170×226×h183mm, 2.3kg
Packing Size & Gross Weight		290×240×h220mm, 5kg
Power Consumption		90W
Electric Reqts.		1 Phase, AC 120V, 50/60Hz or AC 230V, 50/60Hz
Cat. No.	230V	DH.WCF00010
	120V	DH.WCF00011
Price, Each. ₩		492,000

∗ **Other Specifications are available upon Customer's Request.**

Spare Rotor & Adapter Set

		Ea. Price, ₩
DH.WCF00100	(1) MC Nylon Fixed Angle Rotor, **"CFAR1512",** for "CF-10", 12×0.2-/0.5-/1.5-/2.0-㎖ Tubes	53,800
DH.WCF00200	(2) 0.2㎖ Tube Adapter-sets, **"CFTA1",** 12ea Adapter/1set, for Fixed Angle Rotor	6,000
DH.WCF00300	(2) 0.5㎖ Tube Adapter-sets, **"CFTA2",** 12ea Adapter/1set, for Fixed Angle Rotor	8,800

DAIHAN® 12-Place Premium Pro-microcentrifuge Set "CF-12", Max. 13,500rpm, 12,225×g

With Aluminum Die Casting Lid & Electronic Lid Lock System, Autoclavable PP Fixed Angle Rotor for 12×0.2-/0.5-/1.5-/2.0-㎖ Tubes

프로-마이크로 원심분리기, 전자식 안전 도어 잠금 시스템, 앵글 로터 포함, 0.2/0.5㎖ 튜브 어댑터 포함

Max. 13,500 rpm



2-Year Warranty

"CF-12" for 12 Tubes of 0.2 ~ 2.0ml with PP Fixed Angle Rotor

- ***Supplied by DAIHAN Korea***
- ***PL (Product Liability) Insurance***
- ***Patented Jog-Shuttle Control System and Digital LCD with Back-Light Function***
- ***Supplied in Complete Set : PP Fixed Angle Rotor for 1.5-/2.0-㎖×12 Tubes and PCR Tube Adapters (12×0.2㎖ & 12×0.5㎖)***
- ***Unbelievably Quiet Operation due to Optimized Air Flow Design (Noise Level ≤ 57dB)***

* Brushless DC Motor Provides Maintenance Free Operation.
* Perfectly Constructed Frame Structure. Strong Layered Aluminum Die Casting Lid with Auto Lock Mechanism Assuring a Safe and Secure Lock.
* High Performance - Digital Feedback Speed Control, Max. 13,500rpm, 12,225×g
* Useful Exclusive Spin Down Function
* Easy to Use Compact Design Allows for Fast Centrifugation
* Sleek, Space Saving Footprint
* Intuitive Controls and Easy to Read Display Simplifies Operation.
* Ideal for Fast Isolating and Pelleting of DNA, RNA, Proteins, and Cell Viruses
* Max. 13,500rpm with 12 Position, Autoclavable PP Fixed Angle Micro-Rotor
* Large Backlit LCD-screen for Settings and Parameters
* The System Displays Errors, Excess Speed, and Open Lid.
* Load Imbalance Detection.
* Strong Steel Layered Door with Safety, Auto-Lock Function
* Automatic Door Release
* Easy to Close Lid
* Biocontainment Rotor Lid Ensuring Securely Contained Samples
* Soft Brake Function to Protect Delicate Samples
* PP Inner Lid for Maximize Safety (Optional)



(1) PP Fixed Angle Rotor (Included)

Perfectly Constructed Frame Structure, Strong Layered Lid

Specifications & Ordering information

‹L1›

Spec. \ Model	"CF-12" Aluminum Die Casting Lid & Electronic Lid Lock System
RCF	1,000~13,500 RPM, 12,225×g
Max. Capacity	0.2-/0.5-/1.5-/2.0-㎖×12 Tubes
Rotor (included)	PP Fixed Angle Rotor for 0.2-/0.5-/1.5-/2.0-㎖×12 Tubes
Adapter (included)	12×0.2㎖ & 12×0.5㎖ PCR Tubes
Drive System	Brushless DC motor, Direct drive, Vibration Insulated, Counterclockwise Rotating
Noise Level	≤57 dB
Acceleration & Braking Time	≤12 sec (at Max. speed)
Cooling Device	Air Cooling System
Timer & Alarm	99hr 59min (Continuous run), Error status & Timer-end
Display	Large Digital LCD with Back-Light Function
Controller	Digital Feedback Control with Jog-Shuttle Switch (Turn+Push)
Safety Circuit	Motor Error Detector, Electronic Safety Lid Lock System
Material	Lid-Aluminum Die Casting, Body-ABS, Rotor-PE
Dimension & Weight	187×253×h155mm, 3.8kg
Packing Size & Gross Weight	230×290×h245mm, 4.3kg
Power Consumption	90W
Electric Reqts.	1 Phase, AC 120V, 50/60Hz or AC 230V, 50/60Hz

Cat. No.		
	230V	DH.WCF01350
	120V	DH.WCF01351
Price, Each. ₩		624,000

* Other Specifications are available upon Customer's Request.



(2) Tube Adapter(Included)
12×0.2/0.5ml Tube Adapter

Spare Rotor & Adapter Set

		Ea. Price, ₩
DH.WCF11350	(1) PP Fixed Angle Rotor, Autoclavable, for **"CF-12"**, 12×0.2-/0.5-/1.5-/2.0-㎖ Tubes	65,000
DH.WCF00200	(2) 0.2㎖ Tube Adapter-sets, 12ea Adapter/1set, for Fixed Angle Rotor, **"CFTA1"**	6,000
DH.WCF00300	(2) 0.5㎖ Tube Adapter-sets, 12ea Adapter/1set, for Fixed Angle Rotor, **"CFTA2"**	8,800

※ The Price(VAT is extra) for Korean End-user, and Changeable.

DAIHAN® Premium 24-Place Hi-Speed Micro Centrifuge Ⅰ."CFH-24" & Ⅱ.−20℃ Refrigerated "CFH-24R", *Medicaluse*

With Aluminum Fixed-Angle Rotor for 0.2 · 0.5 · 1.5 · 2.0 · 5.0㎖ Tubes, Fast Cooling, 27,237×g, Max. 17,000rpm

프리미엄 고속 마이크로 원심분리기, 일반형 & 냉각형

NEW *Max. 17,000 rpm* *Medicaluse*



Ⅰ. "CFH-24", Standard-type

2-Year Warranty



Ⅱ. "CFH-24R", Refrigerated-type

- ***Supplied by DAIHAN Korea*** ■ ***Available Fixed Angle Rotors & Swing Rotors***
- ***Multi Purpose Centrifuge Designed for Various Application : Separating Cell & Tissues, Purifying Proteins, Isolating DNA, Centrifuging Blood & Food, etc.***
- ***Max. Speed 17,000rpm*** ■ ***PL (Product Liability) Insurance***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
- ∗ Anti-Aerosol/Anti-Overflow Rotor Design for Bio-Safe
- ∗ Automatic Sensing Rotor-type for Autotuning Max. RPM
- ∗ Intuitive 5″ Full Touch TFT LCD & Quick Menu Buttons allow Easy Controlling and Monitoring.
- ∗ Very Quiet Operation under 56dB ∗ Viewing Window for RPM Calibration
- ∗ Rotor Imbalanced Detection Alarm Function.
- ∗ Setting Speed Timer Mode : Start Timer after Reaching Setting Speed for Ensuring Correct Centrifuging Time.
- ∗ Up to 9 Program Setting for Multiple Segments Operation

▶ **Ⅱ. Refrigerated-type "CFH-24R" : Precise & Stable Powerful Cooling Performance**
- Fast Cooling Performance Ensure to reach 4℃ only in 5 Minutes

Specifications & Ordering information

〈L1〉

Spec. \ Model	Ⅰ. "CFH-24" 24places, Standard-type	Ⅱ. "CFH-24R" 24places, Refrigerated-type
Speed Range	500~17,000rpm (Resolution : 100rpm)	
RCF	27,237×g (Resolution : 10×g)	
Temp Range	-	−20℃+40℃
Rotor Capacity	Included : **24 Places** Fixed Angle Rotor for 0.2 · 0.5 · 1.5 · 2.0㎖ Tubes And 2×24 Adapters 0.2 & 0.5㎖ Optional : Fixed Angle Rotor For-12×5.0㎖ Tubes -18×0.2 · 0.5 · 1.5 · 2.0㎖ Tubes -30×0.2 · 0.5 · 1.5 · 2.0㎖ Tubes -8×PCR 8 Strip 0.2㎖ Tubes Swing-out Rotor For-8×0.2 · 0.5 · 1.5 · 2.0㎖ Tubes -16×0.2 · 0.5 · 1.5 · 2.0㎖ Tubes	
Run Time	30sec~99min / Continuous	
Motor	AC Brushless Motor(3Phase), 500W	
Noise Level	≤ 56dB	≤ 65dB
Safety Devices	Dual Door Interlock, Over-speed Detection, Over-temp Detection, Automatic Internal Diagnosis	
Acceleration & Breaking Time	≤ 20sec (at Max. Speed)	
Dimension & Weight	332×480×h283mm, 38kg	332×620×h283mm, 45kg
Power Consumption	1.5kW	2kW
Electric Reqts.	AC220V~240V, 50Hz/60Hz	
Cat. No.	**DH.CFH24**	**DH.CFH24R**
Price, Each. ₩		

Rotor & Adapters Included



(1) Fixed Angle Rotor for 24×0.2 ~ 2.0㎖ Tubes



(a) 24×0.2㎖ Adapters
24×0.5㎖ Adapters

Optional Rotors



(2) 12×5.0㎖ Tubes



(3) 18×0.2 · 0.5 · 1.5 · 2.0㎖ Tubes



(4) 30×0.2 · 0.5 · 1.5 · 2.0㎖ Tubes



(5) 8×PCR 8 Strips 0.2㎖ Tubes



(6) 8×0.2 · 0.5 · 1.5 · 2.0㎖ Tubes



(7) 16×0.2 · 0.5 · 1.5 · 2.0㎖ Tubes

Spare Rotor and Tube Adapters

		Ea. Price, ₩
DH.CFH24R1	(1) Aluminum Fixed Angle Rotor, 24×0.2 · 0.5 · 1.5 · 2.0㎖ Tubes, Max 17,000rpm (RCF 27,237×g)	
DH.CFH24A1	(a) 0.2㎖ Tube Adapter-set, 24 Adapters/set, for Fixed Angle Rotor	
DH.CFH24A2	(a) 0.5㎖ Tube Adapter-set, 24 Adapters/set, for Fixed Angle Rotor	

Optional Rotors

		Ea. Price, ₩
DH.CFH24R2	(2) Aluminum Fixed Angle Rotor, 12×5.0㎖ Tubes, Max 15,000rpm (RCF 22,967×g)	
DH.CFH24R3	(3) Aluminum Fixed Angle Rotor, 18×0.2 · 0.5 · 1.5 · 2.0㎖ Tubes, Max 15,000rpm (RCF 18,891×g)	
DH.CFH24R4	(4) Aluminum Fixed Angle Rotor, 30×0.2 · 0.5 · 1.5 · 2.0㎖ Tubes, Max 15,000rpm (RCF 24,249×g)	
DH.CFH24R5	(5) Aluminum Fixed Angle Rotor, 8×PCR 8 Strip 0.2㎖ Tubes, Max 12,500rpm (RCF 11,722×g)	
DH.CFH24R6	(6) Aluminum Swing Rotor, 8×0.2 · 0.5 · 1.5 · 2.0㎖ Tubes, Max 15,000rpm (RCF 16,343×g)	
DH.CFH24R7	(7) Aluminum Swing Rotor, 16×0.2 · 0.5 · 1.5 · 2.0㎖ Tubes, Max 15,000rpm (RCF 15,682×g)	

DAIHAN® MicroHematocrit Centrifuge "CEF-MHT", 24 Places 12,000rpm, for Capillaries, *Medicaluse*
With PP Readable Rotor 24 holes, 13,500×g, **미세적혈구용적 원심분리기,** Rotor 포함

CE

Medicaluse

Max. 12,000 rpm



1-Year Warranty

"CEF-MHT" MicroHematocrit Centrifuge with PP Readable Rotor, 12,000rpm

■ Supplied by DAIHAN Korea ■ CE Certified
■ 혈액 내 적혈구 용적 측정 및 용액에서 혈액의 분리를 위해 사용.
■ Ideal for Determining the Value of Blood cells in the Blood and It can Separate Blood from the Solution.
■ Permanently Brushless(BLDC) Motor.
∗ Microcomputer Control, Stable Operation, Low Noise.
∗ LED Display, User-friendly Interface, Simple and Convenient Operation.
∗ The Real-time Conversation of Speed and RCF is Convenient for Operation.

Specifications & Ordering information

〈M1〉

Spec. \ Model	"CEF-MHT"
Max. RPM & RCF	12,000rpm, 13,500×g
Speed Accuracy	±30rpm
Rotor Capacity	24 pieces of Capillaries
Time Setting	1~99min
Motor	Permanently Brushless(BLDC) Motor
Noise Level	≤65dB
Safety Devices	Self-locking, Over-speed Safety, Automatic Alarm
Dimension & Weight	230×310×h240mm, 9kg
Power Supply	220V, 50/60Hz
Cat. No.	**DH.Cef24MHT**
Price, Each. ₩	2,300,540



PP Readable Rotor Included

Spare Rotor

Cat. No.		Ea. Price, ₩
DH.Cef24MHT.R	PP(Polypropylene) Readable Rotor, 12,000rpm, for 24-capillaries	1,031,380

NEW



(1) (2)



Package Box

mediclin® Micro Hematocrit Capillary Tube, Blue & Heparinized-Red, 75㎕
For Blood Taking, Disposable Hi-Quality Glass, Φ1.55×L75mm, **일회용 Micro 헤마토크리트 튜브**

■ Supplied by DAIHAN Korea ■ Made of High Grade Quality Glass in Compliance with DIN ISO 12772
■ 혈액 중 적혈구의 비중을 측정하기 위해 헤마토크리트 검사에 사용, 원심분리기를 사용하여 혈액 성분 분리
■ Color Coded : (1) Blue "Non-Heparinized" (2) Red "Heparinized"
∗ ID: 1.1~1.2mm, OD : 1.5~1.6mm

〈M1〉

(1) Blue Coded : Non-Heparinized, 75㎕

		Pk.	Price, ₩	Cs.	Price, ₩
DM.Tub2001	Capillary Tube, without Sodium Heparine, Blue, 75㎕	100ea	2,450	10pk	22,630

(2) Red Coded : Heparinized, 75㎕, 헤파린 처리

■ 헤파린(항응고제) 처리된 튜브는 혈액이 응고되는 것을 방지
■ 채혈과 헤마토크리트 검사 수행 사이 지연이 예상되는 경우 특히 유용
∗ Useful when a Delay between Blood Sampling and Hematocrit Test is Expected.
∗ Heparinized Tubes Prevent Blood from Clotting.

		Pk.	Price, ₩	Cs.	Price, ₩
DM.Tub2002	Capillary Tube, with Sodium Heparine, Red, 75㎕	100ea	2,690	10pk	24,850



(1) (2)



(3)

Heinz® Premium MicroHematocrit Capillary Tube, Disposable Glass, Blue & Red-hepa, 75㎕
For Blood Taking, Φ1.55×L75mm, **일회용 Micro 헤마토크리트 튜브**

■ Supplied by Heinz Herenz® in Germany
■ 혈액 중 적혈구의 비중을 확인하는 헤마토크리트 검사에 사용되며, 원심분리기와 함께 사용
∗ 100pcs/Vial Pk., 10Pk./Cs.

〈L1〉

(1) Blue Coded : Non-Heparinized, 75㎕

		Pk.	Price, ₩	Cs.	Price, ₩
HH.1080801	Micropipet, 75㎕, Capill., Blue	100ea	7,150	10pk	66,130

(2) Red Coded : Heparinized, 75㎕

∗ 헤파린 처리된 튜브는 혈액이 응고되는 것을 방지
∗ Heparinized Tubes Prevent Blood from Clotting.

		Pk.	Price, ₩	Cs.	Price, ₩
HH.1080802	Micropipet, Heparin, 75㎕, Capill., Red	100ea	7,150	10pk	66,130

(3) Sealing Waxplate

∗ For Hematocrit Tubes, 2pcs/Bag Pk.

		Ea.	Price, ₩	Pk.	Price, ₩
HH.1131821	Sealing Waxplate		7,950	2ea	15,430

※ The Price(VAT is extra) for Korean End-user, and Changeable.

DAIHAN® 1.5~15㎖ Popular Classic Centrifuge "CEF-6" 6 Places, 3000rpm, *Medicaluse*

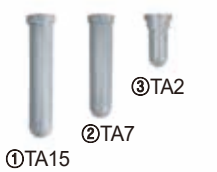
With 6-Hole Fixed Angle Rotor, Safety Balance, 1.5~15㎖ 튜브용 경제형 원심분리기, 앵글로터와 10~15㎖ 튜브 어댑터 포함

Max. 3,000 rpm *Medicaluse*



2-Year Warranty

"CEF-6" for 6 Tubes of 1.5~15㎖, with 6 Holes Fixed Angle Rotor, 3000rpm



Tube Adapters

■ ***Supplied by DAIHAN Korea*** ■ ***Speed is Linear and Stables*** ■ ***Interchangeable Rotor***
■ ***with 6-Holes Fixed Angle Rotor for 1.5㎖~15㎖ Tubes ; On Adapters Adjustable 1.5/2㎖, 5~7㎖, and 10~15㎖***
∗ The Design is up-to-date, Beautiful Outlook and Durable ∗ Auto-balancing System
∗ Stepless Controller : Speed and Operating Time ∗ ABS Outer Shell can Resist Collision.
∗ with Safety Switch when Centrifuge Lid Opened the Motor can be Stop

Specifications & Ordering information

〈M1〉

Spec. \ Model		"CEF-6"
Fixed Angle Rotor & Capa.		6 Hole ; (1.5~15)㎖ Tubes
Useful Tube size & Acceptance		6 Tubes ; 10~15㎖, 1.5~7㎖ on Adapters
Adapter and Size	Included	① 6ea×10~15㎖ Tubes, Size ; id17.5×L95mm
	Option	② 6ea×5~7㎖ Tubes, Size ; id13.5×L69mm ③ 6ea×1.5/2㎖ Tubes, Size ; id11×L42mm
Speed Range (rpm)		300~3000rpm at 60Hz (300~2500rpm at 50Hz)
R.C.F		1,066×g
Timer		0~30min Analog Timer
Motor		Brushless Induction Motor
Dimension & Weight		280×280×h255mm, Net. 3.5kg, Gross. 4kg
Electric Reqts		AC 230V, 50/60Hz or AC 120V, 60Hz
Cat. No.	230V	DH.Cef0006
	120V	DH.Cef0106
Price, Each. ₩		409,000

Spare & Optional Tube Adapters

		Ea. Price, ₩
DH.CefA015	Spare ; ① 10~15㎖ Tube Adapter PP "TA15", id⌀17.5×L98mm	5,000
DH.CefA007	Option ; ② 5~7㎖ Tube Adapter PP "TA7", id⌀13.5×L69mm, for "TA15" Adapter	5,000
DH.CefA002	③ 1.5/2㎖ Tube Adapter PP "TA2", id⌀11×L42mm, for "TA15" Adapter	5,000

DAIHAN® 7 · 10 · 15㎖ Clinical Centrifuge "CEF-15", 4,000rpm, Max. 15㎖×8, *Medicaluse*

For 7 · 10 · 15-㎖ Tubes, 1,980×g, without Rotor, 임상용 원심분리기, Angle Rotor 별도

CE *Medicaluse*

Max. 4,000 rpm



1-Year Warranty

"CEF-15" for 7 · 10 · 15㎖ Tubes
※ Rotor is Optional !



(1) for 7㎖×12 (2) for 10㎖×12

(3) for 15㎖×8

Optional PP Angle Rotors

■ ***Supplied by DAIHAN Korea*** ■ ***CE Certified***
■ ***클리닉, 연구, 대학에서 사용하기에 적합한 제품.***
■ ***휴대용, 저소음 설계로 제작되어 이동이 용이하고 최소의 소음을 보장.***
■ ***Designed with Portable Body and Low Noise***
■ ***Ideal for Clinic, Research and University.*** ■ ***Permanently Brushless(BLDC) Motor.***
∗ Microcomputer Control ∗ Programmable and LED Display.
∗ Display Speed(RPM) and RCF Mode. ∗ ABS Housing make the Clean Easy.

Specifications & Ordering information

〈M1〉

Spec. \ Model	"CEF-15"
Max. RPM & RCF	4,000rpm, 1,980×g
Speed Accuracy	±30rpm
Rotor Capacity	Option ; (1) 7㎖×12 Tubes, (2) 10㎖×12 Tubes, (3) 15㎖×8 Tubes
Timer	1~99min
Motor & Noise Level	Permanently Brushless(BLDC) Motor, ≤65dB
Safety Devices	Lid Safety, Speed Safety, Errors Detection
Dimension & Weight	310×260×h220mm, 14kg
Power Supply	220V, 50/60Hz
Cat. No.	DH.Cef15
Price, Each. ₩	409,690

Optional PP Angle Rotors

		Ea. Price, ₩
DH.Cef15.R1	(1) PP(Polypropylene) Angle Rotor **"R1-15"** ; for 7㎖ ×12 Tubes	252,130
DH.Cef15.R2	(2) **"R2-15"** ; for 10㎖×12 Tubes	252,130
DH.Cef15.R4	(3) **"R3-15"** ; for 15㎖×8 Tubes	252,130

DAIHAN® 1.5~50㎖ General Purpose Clinical Centrifuge "CEF-50", 4,000rpm, Max. 50㎖×6, *Medicaluse*

For 1.5~50㎖ Tubes, 2,500×g, without Rotor, **범용 원심분리기,** Angle Rotor **별도**

CE

Medicaluse

Max. 4,000 rpm



1-Year Warranty

"CEF-50" for 1.5~50㎖ Tubes

※ Rotor is Optional !



(1) for 7㎖×24



(2) for 10㎖×24



(3) for 15㎖×12



(4) for 50㎖×6

Optional Angle Rotors



① for 1.5㎖ ② for 5㎖ ③ for 5/7㎖



④ for 1.5㎖ ⑤ for 5㎖ ⑥ for 5/7㎖



⑦ for 5/7㎖ ⑧ for 15㎖ ⑨ for 20㎖

Optional Adapters (6ea/set)

- ***Supplied by DAIHAN Korea*** ■ ***CE Certified***
- ***임상의학, 생화학, 유전공학, 면역학 등의 분야에서 널리 사용 가능.***
- ***LCD 디스플레이, 사용자 친화적 인터페이스, 단순하고 편리한 조작.***
- ***Ideal for the Field of Clinical Medicine, Biochemistry, Genetic Engineering, Immunology, etc.***
- ***Permanently Brushless(BLDC) Motor.***
- ∗ Microcomputer Control, Stable Operation, Low Noise and High Speed Accuracy.
- ∗ Touch Panel, Programmable Operation
- ∗ Operation Data can be Set According to Demands and Stored Automatically.
- ∗ LCD Display, User-friendly Interface(The Real-time Display of Speed and RCF)
- ∗ Simple and Convenient for Operation.

Specifications & Ordering information

〈M1〉

Spec. \ Model	"CEF-50"
Max. RPM & RCF	4,000rpm, 2,500×g
Speed Accuracy	±30rpm
Rotor Capacity	Option ; (1) 7㎖×24 Tubes, (2) 10㎖×24 Tubes, (3) 15㎖×12 Tubes, (4) 50㎖×6 Tubes
Timer	1~99min
Motor	Permanently Brushless(BLDC) Motor
Noise Level	≤60dB
Safety Devices	Self-Locking, Lid Safety, Over-speed Safety, Automatic Alarm
Dimension & Weight	330×420×h280mm, 14kg
Power Supply	220V, 50/60Hz
Cat. No.	**DH.Cef50**
Price, Each. ₩	1,103,000

Optional Angle Rotors

		Ea. Price, ₩
DH.Cef50.R1	(1) PP(Polypropylene) Angle Rotor **"R1-50"** ; for 7㎖ ×24 Tubes	252,130
DH.Cef50.R2	(2) **"R2-50"** ; for 10㎖×24 Tubes	252,130
DH.Cef50.R3	(3) **"R3-50"** ; for 15㎖×12 Tubes	252,130
DH.Cef50.R4	(4) Aluminium Alloy Angle Rotor **"R4-50"** ; for 50㎖×6 Tubes	346,670

Optional Adapters

		Set. Price, ₩
DH.Cef50.A1	MC Nylon Adapter for **"R2-50"** ; ① 1.5㎖×24ea/set, id Φ11×h37mm	200,550
DH.Cef50.A2	; ② 5㎖ ×24ea/set, id Φ14×h46mm	200,550
DH.Cef50.A3	; ③ 5/7㎖(Vacuum Tube)×24ea/set, id Φ13.5×h83mm	200,550
DH.Cef50.A4	for **"R3-50"** ; ④ 1.5㎖×12ea/set, id Φ11×h37mm	200,550
DH.Cef50.A5	; ⑤ 5㎖ ×12ea/set, id Φ14×h46mm	200,550
DH.Cef50.A6	; ⑥ 5/7㎖×12ea/set, id Φ13.5×h84mm	200,550
DH.Cef50.A7	for **"R4-50"** ; ⑦ 5/7㎖×6ea/set, id Φ17.5×h78mm	200,550
DH.Cef50.A8	; ⑧ 15㎖ ×6ea/set, id Φ17.5×h100mm	200,550
DH.Cef50.A9	; ⑨ 20㎖ ×6ea/set, id Φ22.3×h100mm	200,550

※ The Price(VAT is extra) for Korean End-user, and Changeable.

DAIHAN® 0.2~100㎖ High Speed Centrifuge "CEF-100H", 16,500rpm, Max. 100㎖×4, *Medicaluse*
With Angle Rotor 1.5/2.2㎖×12 hole, 18,930×g, **고속 원심분리기,** Angle Rotor **포함**

CE

Medicaluse

Max. 16,500 rpm



1-Year Warranty

"CEF-100H" for 0.2~100㎖ Tubes with Aluminium Alloy Angle Rotor



(1) Angle Rotor **"R1-100H"** Included for 1.5/2.2㎖×12 Tubes

- ***Supplied by DAIHAN Korea*** ■ ***CE Certified***
- ***임상의학, 생화학, 유전공학, 면역학 등의 분야에서 널리 사용 가능***
- ***LCD 디스플레이, 사용자 친화적 인터페이스, 단순하고 편리한 조작.***
- ***Ideal for the Field of Clinical Medicine, Biochemistry, Genetic Engineering, Immunology, etc.***
- ***Permanently Brushless(BLDC) Motor.***
- ∗ Microcomputer Control, Stable Operation, Low Noise and High Speed Accuracy.
- ∗ Touch Panel, Programmable Operation
- ∗ Operation Data can be Set According to Demands and Stored Automatically.
- ∗ LCD Display, User-friendly Interface, Simple and Convenient for Operation.
- ∗ 9 Files of Acceleration and Deceleration Levels for Choice.

Specifications & Ordering information

〈M1〉

Spec. \ Model	"CEF-100H"
Max. RPM & RCF	16,500rpm, 18,930×g
Speed Accuracy	±30rpm
Rotor Capacity	(1) 1.5/2.2㎖×12 Tubes (2) 1.5/2.2㎖×24 Tubes (3) PCR 0.2㎖ 8-strip×3 (4) 5㎖×12 Tubes (5) 10㎖×12 Tubes (6) 15㎖×8 Tubes (7) 50㎖ Round-bottom×6 Tubes (8) 50㎖ Conical-bottom×6 Tubes (9) 100㎖×4 Tubes
Timer	1~99min
Motor	Permanently Brushless(BLDC) Motor
Noise Level	≤65dB
Safety Devices	Self-Locking, Over-speed Safety, Automatic Alarm, etc.
Dimension & Weight	330×420×h280mm, 25kg
Power Supply	220V, 50/60Hz
Cat. No.	DH.Cef100H
Price, Each. ₩	1,985,400

Optional Rotors & Adapters(6ea/set)



(2) 1.5/2.2㎖×24



(3) 0.2㎖ 8-strip×3



(4) 5㎖×12



(5) 10㎖×12



(6) 15㎖×8



(7), (8) 50㎖×6



(9) 100㎖×4



ⓐ 0.2㎖, ⓑ 0.5㎖



ⓒ 0.2㎖, ⓓ 0.5㎖



ⓔ 0.5㎖, ⓕ 1.5㎖



ⓖ 1.5㎖, ⓗ 5㎖



ⓘ 1.5㎖, ⓙ 0.5㎖



ⓚ 15㎖, ⓛ 20㎖



ⓜ 15㎖, ⓝ 20㎖

Spare & Optional Aluminium Alloy Angle Rotors

		Ea. Price, ₩
DH.Cef100H.R1	(1) **Spare Rotor "R1-100H"** ; for 1.5/2.2㎖×12, 16500rpm, 18930xg	378,180
DH.Cef100H.R2	(2) **Option Rotor "R2-100H"** ; for 1.5/2.2㎖×24, 13200rpm, 16110xg	1,134,520
DH.Cef100H.R3	(3) **"R3-100H"** ; for PCR 0.2㎖ 8-strip×3, 15000rpm, 13800xg	630,290
DH.Cef100H.R4	(4) **"R4-100H"** ; for 5㎖×12, 13000rpm, 11400xg	787,870
DH.Cef100H.R5	(5) **"R5-100H"** ; for 10㎖×12, 12000rpm, 14800xg	1,323,600
DH.Cef100H.R6	(6) **"R6-100H"** ; for 15㎖×8, 12000rpm, 14800xg	1,323,600
DH.Cef100H.R7	(7) **"R7-100H"** ; for 50㎖ Round-bottom×6, 12000rpm, 13000xg	1,890,870
DH.Cef100H.R8	(8) **"R8-100H"** ; for 50㎖ Conical-bottom×6, 12000rpm, 13000xg	2,048,430
DH.Cef100H.R9	(9) **"R9-100H"** ; for 100㎖×4, 12000rpm, 13000xg	1,890,870

Optional Adapters

		Set. Price, ₩
DH.Cef100H.A1	MC Nylon Adapter for **"R1-100H"** ; ⓐ 0.2㎖×12ea/set	200,550
DH.Cef100H.A2	; ⓑ 0.5㎖×12ea/set	200,550
DH.Cef100H.A3	for **"R2-100H"** ; ⓒ 0.2㎖×24ea/set	200,550
DH.Cef100H.A4	; ⓓ 0.5㎖×24ea/set	200,550
DH.Cef100H.A5	for **"R4-100H"** ; ⓔ 0.5㎖×12ea/set	200,550
DH.Cef100H.A6	; ⓕ 1.5㎖×12ea/set	200,550
DH.Cef100H.A7	for **"R5-100H"** ; ⓖ 1.5㎖×12ea/set	200,550
DH.Cef100H.A8	; ⓗ 5㎖ ×12ea/set	200,550
DH.Cef100H.A9	for **"R6-100H"** ; ⓘ 1.5㎖×8ea/set	200,550
DH.Cef100H.A10	; ⓙ 5㎖ ×8ea/set	200,550
DH.Cef100H.A11	for **"R7-100H", "R8-100H"** ; ⓚ 15㎖×6ea/set	200,550
DH.Cef100H.A12	; ⓛ 20㎖×6ea/set	200,550
DH.Cef100H.A13	for **"R9-100H"** ; ⓜ 15㎖ ×4ea/set	200,550
DH.Cef100H.A14	; ⓝ 20㎖ ×4ea/set	200,550

※ **Adapter Size (id Φ×h) ;**

ⓐ Φ6.5×h20mm, ⓑ Φ8×h28mm, ⓒ Φ6.5×h17.5mm, ⓓ Φ8×h28mm, ⓔ Φ8×h28mm, ⓕ Φ11×h37mm, ⓖ Φ11×h37mm, ⓗ Φ14×h48mm, ⓘ Φ11×h37mm, ⓙ Φ17×h47mm, ⓚ Φ17.6×h97mm, ⓛ Φ22×h93mm, ⓜ Φ17.6×h97mm, ⓝ Φ22×h91mm

DAIHAN® 1.5~500㎖ High Volume Swing-out Centrifuge "CEF-500", 4,000rpm, Max. 500㎖×4, *Medicaluse*

For 1.5~500㎖ Tubes/Bottles and Microplates, 3,200×g, without Rotor, **다목적 원심분리기,** Rotor **별도**

CE

Medicaluse

Max. 4,000 rpm



1-Year Warranty

"CEF-500" for 1.5~500㎖ Tubes/Bottles

※ Rotor is Optional !

- ***Supplied by DAIHAN Korea*** ■ ***CE Certified***
- ***임상의학, 생화학, 유전공학, 면역학 등의 분야에서 널리 사용 가능.***
- ***LCD 디스플레이, 사용자 친화적 인터페이스, 단순하고 편리한 조작.***
- ***Ideal for the Field of Clinical Medicine, Biochemistry, Genetic Engineering, Immunology, etc.***

∗ Microcomputer Control, Variable-conversion Motor, Stable Operation, Low Noise and High Speed Accuracy.
∗ Touch Panel, Programmable Operation
∗ Operation Data can be Set According to Demands and Stored Automatically.
∗ LCD Display, User-friendly Interface(The Real-time Conversation of Speed and RCF)
∗ Simple and Convenient for Operation.

Specifications & Ordering information

〈M1〉

Spec. \ Model	"CEF-500"
Max. RPM & RCF	4,000rpm, 3,200×g
Speed Accuracy	±50rpm
Rotor Capacity	(1) 500㎖×4 Buckets (2) 8×96well Microplates
Timer	1~99min
Motor	Variable-conversion Motor
Noise Level	≤65dB
Safety Devices	Self-Locking, Lid Safety, Over-speed Safety, Automatic Alarm
Dimension & Weight	460×540×h340mm, 31kg
Power Supply	220V, 50/60Hz
Cat. No.	DH.Cef500
Price, Each. ₩	2,804,770



(2) PP Bottle 500㎖×4

(1) Swing Rotor (Option)



(3) Microplate Rotor (Option)



① 1.5㎖ ×20 hole ② 5/7㎖ ×20 hole ③ 10㎖ ×15 hole ④ 15㎖ ×8 hole



⑤ 20㎖ ×9 hole ⑥ 50㎖ ×4 hole ⑦ 100㎖ ×2 hole ⑧ 250㎖ ×1 hole

Optional Adapters (4ea/set)

Optional Rotors and Bottle

		Ea. Price, ₩
DH.Cef500.R1	(1) Stainless-steel Swing Rotor **"R1-500"** with Bucket(500㎖×4)	1,890,870
DH.Cef500.B1	(2) PP Bottle with Screw Cap, 500㎖ for **"R1-500"**	57,300
DH.Cef500.R2	(3) Stainless-steel Microplate Rotor(8×96well) **"R2-500"**, 2200xg	1,449,670

Optional Polypropylene Adapters

		Set. Price, ₩
DH.Cef500.A1	PP(Polypropylene) Adapter for Rotor **"R1-500"** ; ① (1.5㎖ ×20hole)×4ea/set, id Φ11×h37mm	315,150
DH.Cef500.A2	PP(Polypropylene) Adapter for Rotor **"R1-500"** ; ② (5/7㎖ ×20hole)×4ea/set, id Φ13×h57mm	315,150
DH.Cef500.A3	PP(Polypropylene) Adapter for Rotor **"R1-500"** ; ③ (10㎖ ×15hole)×4ea/set, id Φ14×h37mm	315,150
DH.Cef500.A4	PP(Polypropylene) Adapter for Rotor **"R1-500"** ; ④ (15㎖ ×8hole) ×4ea/set, id Φ17×h97mm	315,150
DH.Cef500.A5	PP(Polypropylene) Adapter for Rotor **"R1-500"** ; ⑤ (20㎖ ×9hole) ×4ea/set, id Φ21×h97mm	315,150
DH.Cef500.A6	PP(Polypropylene) Adapter for Rotor **"R1-500"** ; ⑥ (50㎖ ×4hole) ×4ea/set, id Φ30×h92mm	315,150
DH.Cef500.A7	PP(Polypropylene) Adapter for Rotor **"R1-500"** ; ⑦ (100㎖×2hole) ×4ea/set, id Φ39×h90mm	315,150
DH.Cef500.A8	PP(Polypropylene) Adapter for Rotor **"R1-500"** ; ⑧ (250㎖×1hole) ×4ea/set, id Φ63×h90mm	315,150

※ The Price(VAT is extra) for Korean End-user, and Changeable.

DAIHAN® 0.2~100㎖ Refrigerated High Speed Pro-Centrifuge "CEF-100HR", −20℃+40℃, 18,000rpm, Max. 100㎖×4
With Angle Rotor 1.5/2.2㎖×12 hole, 23,755×g, **고속 냉장 원심분리기,** Angle Rotor **포함**

CE

Max. 18,000 rpm



1-Year Warranty

"CEF-100HR" for 0.2~100㎖ Tubes with Aluminium Alloy Angle Rotor



(1) Angle Rotor **"R1-100HR"** Included for 1.5/2.2㎖×12 Tubes

- ***Supplied by DAIHAN Korea*** ■ ***CE Certified***
- ***과학 연구실험과 고등교육 등의 분야에서 널리 사용 가능.***
- ***LCD 디스플레이, 사용자 친화적 인터페이스, 단순하고 편리한 조작.***
- ***Ideal for Centrifugal Separation used by Scientific Research Units and Institutions of Higher Learning.***
- ***Permanently Brushless(BLDC) Motor.***

∗ Microcomputer Control, Stable Operation, Low Noise and High Speed Accuracy.
∗ Touch Panel, Programmable Operation ∗ Simple and Convenient for Operation.
∗ Operation Data can be Set According to Demands and Stored Automatically.
∗ LCD Display, User-friendly Interface(The Real-time Conversation of Speed and RCF)
∗ 9 Files of Acceleration and Deceleration Levels for Choice.

Specifications & Ordering information

〈L1〉

Spec. \ Model	"CEF-100HR"
Max. RPM & RCF	18,000rpm, 23,755×g
Speed Accuracy	±30rpm
Rotor Capacity	(1) 1.5/2.2㎖×12 Tubes (2) 1.5/2.2㎖×24 Tubes (3) 0.5㎖×48 Tubes (4) 5㎖×48 Tubes (5) 10㎖×12 Tubes (6) 15㎖×8 Tubes (7) 50㎖ Round-bottom×6 Tubes (8) 50㎖ Conical-bottom×6 Tubes (9) 100㎖×4 Tubes
Timer	1min~9h 59min
Temperature Setting	−20℃~+40℃
Temperature Accuracy	±1℃
Refrigerant Unit	Non-CFC R134a
Motor	Permanently Brushless(BLDC) Motor
Noise Level	≤65dB
Safety Devices	Self-Locking, Over-speed Safety, Over-temperature Safety, Imbalance Safety, Automatic Alarm, etc.
Dimension & Weight	600×470×h330mm, 50kg
Power Supply	220V, 50/60Hz
Cat. No.	**DH.Cef100HR**
Price, Each. ₩	10,399,690

Optional Rotors & Adapters(6ea/set)

(2) 1.5/2.2㎖×24



(3) 0.5㎖×48



(4) 5㎖×12



(5) 10㎖×12



(6) 15㎖×8



(7), (8) 50㎖×6



(9) 100㎖×4



ⓐ 0.2㎖, ⓑ 0.5㎖

ⓒ 0.2㎖, ⓓ 0.5㎖



ⓔ 0.5㎖, ⓕ 1.5㎖



ⓖ 1.5㎖, ⓗ 5㎖



ⓘ 1.5㎖, ⓙ 5㎖



ⓚ 15㎖, ⓛ 20㎖



ⓜ 15㎖, ⓝ 20㎖



Spare & Optional Aluminium Alloy Angle Rotors

		Ea. Price, ₩
DH.Cef100HR.R1	(1) **Spare Rotor "R1-100HR"** ; for 1.5/2.2㎖×12, 18000rpm, 22530xg	378,180
DH.Cef100HR.R2	(2) **Option Rotor "R2-100HR"** ; for 1.5/2.2㎖×24, 16000rpm, 23755xg	1,134,520
DH.Cef100HR.R3	(3) **"R3-100HR"** ; for 0.5㎖×48, 13000rpm, 16760xg	1,260,580
DH.Cef100HR.R4	(4) **"R4-100HR"** ; for 5㎖×12, 13000rpm, 11400xg	787,870
DH.Cef100HR.R5	(5) **"R5-100HR"** ; for 10㎖×12, 13000rpm, 16760xg	1,323,600
DH.Cef100HR.R6	(6) **"R6-100HR"** ; for 15㎖×8, 13000rpm, 16760xg	1,323,600
DH.Cef100HR.R7	(7) **"R7-100HR"** ; for 50㎖ Round-bottom×6, 12000rpm, 13000xg	1,890,870
DH.Cef100HR.R8	(8) **"R8-100HR"** ; for 50㎖ Conical-bottom×6, 12000rpm, 13000xg	2,048,430
DH.Cef100HR.R9	(9) **"R9-100HR"** ; for 100㎖×4, 12000rpm, 13000xg	1,890,870

Optional Adapters

		Set. Price, ₩
DH.Cef100HR.A1	MC Nylon Adapter for **"R1-100HR"** ; ⓐ 0.2㎖×12ea/set	200,550
DH.Cef100HR.A2	; ⓑ 0.5㎖×12ea/set	200,550
DH.Cef100HR.A3	for **"R2-100HR"** ; ⓒ 0.2㎖×24ea/set	200,550
DH.Cef100HR.A4	; ⓓ 0.5㎖×24ea/set	200,550
DH.Cef100HR.A5	for **"R4-100HR"** ; ⓔ 0.5㎖×12ea/set	200,550
DH.Cef100HR.A6	; ⓕ 1.5㎖×12ea/set	200,550
DH.Cef100HR.A7	for **"R5-100HR"** ; ⓖ 1.5㎖×12ea/set	200,550
DH.Cef100HR.A8	; ⓗ 5㎖ ×12ea/set	200,550
DH.Cef100HR.A9	for **"R6-100HR"** ; ⓘ 1.5㎖×8ea/set	200,550
DH.Cef100HR.A10	; ⓙ 5㎖ ×8ea/set	200,550
DH.Cef100HR.A11	for **"R7-100HR", "R8-100HR"** ; ⓚ 15㎖×6ea/set	200,550
DH.Cef100HR.A12	; ⓛ 20㎖×6ea/set	200,550
DH.Cef100HR.A13	for **"R9-100HR"** ; ⓜ 15㎖ ×4ea/set	200,550
DH.Cef100HR.A14	; ⓝ 20㎖ ×4ea/set	200,550

※ Adapter Size (id Φ×h) ;

ⓐ Φ6.5×h20mm, ⓑ Φ8×h28mm, ⓒ Φ6.5×h18mm, ⓓ Φ8×h28mm, ⓔ Φ11×h28mm, ⓕ Φ11×h37mm, ⓖ Φ14×h37mm, ⓗ Φ14×h47mm, ⓘ Φ11×h37mm, ⓙ Φ14×h47mm, ⓚ Φ17×h100mm, ⓛ Φ22×h92mm, ⓜ Φ17×h76mm, ⓝ Φ22×h92mm

DAIHAN® 1.5~250㎖ Refrigerated High Volume Swing-out Centrifuge "CEF-250R", −5℃+35℃, 4,300rpm, Max. 250㎖×4

For 1.5~250㎖ Tubes/Bottles and Microplates, 3,582×g, without Rotor, **대용량 냉장 원심분리기,** Rotor **별도**

CE



Max. 4,300 rpm

1-Year Warranty

"CEF-250R" for 1.5~250㎖ Tubes/Bottles
※ Rotor is Optional !

- ***Supplied by DAIHAN Korea*** ■ ***CE Certified***
- ***과학 연구실험과 고등교육 등의 분야에서 널리 사용 가능.***
- ***LCD 디스플레이, 사용자 친화적 인터페이스, 단순하고 편리한 조작.***
- ***Ideal for Centrifugal Separation used by Scientific Research Units and Institutions of Higher Learning.***
- ***Permanently Brushless(BLDC) Motor.***
- ∗ Microcomputer Control, Stable Operation, Low Noise and High Speed Accuracy.
- ∗ Touch Panel, Programmable Operation
- ∗ Operation Data can be Set According to Demandsand Stored Automatically.
- ∗ LED Display, User-friendly Interface(The Real-time Conversation of Speed and RCF)
- ∗ Simple and Convenient for Operation. ∗ 9 Files of Acceleration and Deceleration Levels for Choice.

Specifications & Ordering information

〈L1〉

Spec. \ Model	"CEF-250R"
Max. RPM & RCF	4,300rpm, 3,582×g
Speed Accuracy	±30rpm
Rotor Capacity	(1) 250㎖×4 Buckets (2) 8×96well Microplate
Timer	1~99min
Temperature Setting	−5℃~+35℃
Temperature Accuracy	±1℃
Refrigerant Unit	Non-CFC R134a
Motor	Permanently Brushless(BLDC) Motor
Noise Level	≤65dB
Safety Devices	Self-Locking, Over-speed Safety, Over-temperature Safety, Imbalance Safety, Automatic Alarm, etc.
Dimension & Weight	460×710×h420mm, 80kg
Power Supply	220V, 50/60Hz
Cat. No.	DH.Cef250R
Price, Each. ₩	10,855,720

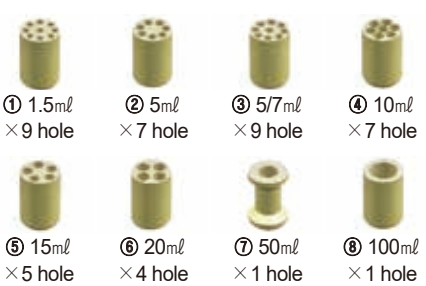


(2) PP Bottle 250㎖×4

(1) Swing Rotor (Option)



(3) Microplate Rotor (Option)



① 1.5㎖ ×9 hole ② 5㎖ ×7 hole ③ 5/7㎖ ×9 hole ④ 10㎖ ×7 hole

⑤ 15㎖ ×5 hole ⑥ 20㎖ ×4 hole ⑦ 50㎖ ×1 hole ⑧ 100㎖ ×1 hole

Optional Adapters (4ea/set)

Optional Rotors and Bottle

		Ea. Price, ₩
DH.Cef250R.R1	(1) Stainless-steel Swing Rotor **"R1-250"** with Bucket(250㎖×4)	1,355,120
DH.Cef250R.B1	(2) PP(Polypropylene) Bottle with Screw Cap, 250㎖ for **"R1-250"**	34,390
DH.Cef250R.R2	(3) Aluminium Alloy Microplate Rotor(8×96well) **"R2-250"**, 4000rpm, 2200xg	1,449,670

Optional Polypropylene Adapters

		Set. Price, ₩
DH.Cef250R.A1	PP(Polypropylene) Adapter for Rotor **"R1-250"** ; ① (1.5㎖×9hole)×4ea/set, id Φ11×h37mm	189,090
DH.Cef250R.A2	PP(Polypropylene) Adapter for Rotor **"R1-250"** ; ② (5㎖×7hole)×4ea/set, id Φ14×h47mm	189,090
DH.Cef250R.A3	PP(Polypropylene) Adapter for Rotor **"R1-250"** ; ③ (5/7㎖×9hole)×4ea/set, Vacu-tube, id Φ13×h57mm	189,090
DH.Cef250R.A4	PP(Polypropylene) Adapter for Rotor **"R1-250"** ; ④ (10㎖×7hole)×4ea/set, Int. Thread, id Φ16×h77mm	189,090
DH.Cef250R.A5	PP(Polypropylene) Adapter for Rotor **"R1-250"** ; ⑤ (15㎖×5hole)×4ea/set, id Φ17×h102mm	189,090
DH.Cef250R.A6	PP(Polypropylene) Adapter for Rotor **"R1-250"** ; ⑥ (20㎖×4hole)×4ea/set, id Φ20×h91mm	189,090
DH.Cef250R.A7	PP(Polypropylene) Adapter for Rotor **"R1-250"** ; ⑦ (50㎖×1hole)×4ea/set, id Φ30×h91mm	189,090
DH.Cef250R.A8	PP(Polypropylene) Adapter for Rotor **"R1-250"** ; ⑧ (100㎖×1hole)×4ea/set, id Φ39×h98mm	189,090

※ The Price(VAT is extra) for Korean End-user, and Changeable.

DAIHAN® 1.5~1,000㎖ Floor-standing Refrigerated High Volume Centrifuge "CEF-1000R", −20℃+40℃, 5,000rpm

Used for High Capacity Tubes & Bottle, without Rotor, 4,100×g, **대용량 냉장 원심분리기, 플라스틱 타입 Rotor 별도**

CE

Max. 5,000 rpm



1-Year Warranty

"CEF-1000R" for 1.5~1,000㎖ Tubes/Bottles

※ Rotor is Optional !

- ***Supplied by DAIHAN Korea*** ■ ***CE Certified***
- ***면역학, 수처리, 생화학, 약학, 정화 등 다양한 분야에서 널리 사용 가능.***
- ***LCD 디스플레이, 사용자 친화적 인터페이스, 단순하고 편리한 조작.***
- ***Ideal for Radioimmunoassay, Water Treatment, Biochemistry, Biology Pharmacy, Purification and etc.***
- ∗ Microcomputer Control, Electronic Lock and AC Variable-conversion Motor, Which delivers High Torque.
- ∗ Touch Panel, Programmable Operation
- ∗ Operation Data can be Set According to Demands and Stored Automatically.
- ∗ LED Display, User-friendly Interface(The Real-time Conversation of Speed and RCF)
- ∗ Simple and Convenient for Operation.
- ∗ 10 Files of Acceleration and Deceleration Levels for Choice.

Specifications & Ordering information

〈L1〉

Spec. \ Model	"CEF-1000R"
Max. RPM & RCF	5,000rpm, 4,100×g
Speed Accuracy	±50rpm
Rotor Capacity	(1) 300㎖×6 Tubes (2) 500㎖×4 Buckets (3) 1,000㎖×4 Buckets (4) 8×96well Microplates
Timer	1min ~ 99h 59min
Temperature Setting	−20℃~+40℃
Temperature Accuracy	±1℃
Refrigerant Unit	Non-CFC R404a
Motor	AC Variable-conversion Motor
Noise Level	≤65dB
Safety Devices	Self-Locking, Over-speed Safety, Over-temperature Safety, Imbalance Safety, Automatic Alarm, etc.
Dimension & Weight	650×710×h1,100mm, 170kg
Power Supply	220V, 50/60Hz
Cat. No.	**DH.Cef1000R**
Price, Each. ₩	15,099,850

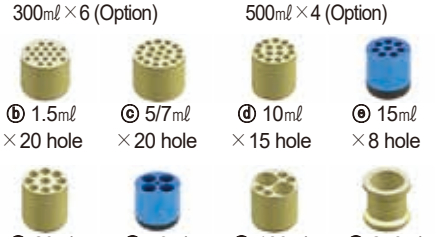


(1) Angle Rotor **"R1-1000R"**
300㎖×6 (Option)



ⓐ PP Bottle

(2) Swing Rotor **"R2-1000R"**
500㎖×4 (Option)



ⓑ 1.5㎖ ×20 hole
ⓒ 5/7㎖ ×20 hole
ⓓ 10㎖ ×15 hole
ⓔ 15㎖ ×8 hole
ⓕ 20㎖ ×9 hole
ⓖ 50㎖ ×4 hole
ⓗ 100㎖ ×2 hole
ⓘ 250㎖ ×1 hole

PP Adaters for (2) Rotor **"R2-1000R"**

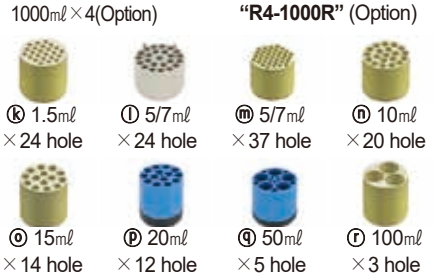


ⓙ PP Bottle

(3) Swing Rotor **"R3-1000R"**
1000㎖×4(Option)



(4) Microplate Rotor
"R4-1000R" (Option)



ⓚ 1.5㎖ ×24 hole
ⓛ 5/7㎖ ×24 hole
ⓜ 5/7㎖ ×37 hole
ⓝ 10㎖ ×20 hole
ⓞ 15㎖ ×14 hole
ⓟ 20㎖ ×12 hole
ⓠ 50㎖ ×5 hole
ⓡ 100㎖ ×3 hole



ⓢ 250㎖×1 hole ⓣ 300㎖×1 hole ⓤ 500㎖×1 hole

PP Adaters for (3) Rotor **"R3-1000R"**
Optional Adapters (4ea/set)

Optional Rotors · Bottles · Adapters

		Set. Price, ₩
DH.Cef1000R.R1	(1) Aluminium Alloy Angle Rotor **"R1-1000R"**, for 300㎖×6, 5000rpm, 3850xg	4,601,080
DH.Cef1000R.A1	PP Adapter for **"R1-1000R"**, for 50㎖×6ea/set, Φ30×h100mm	200,550
DH.Cef1000R.A2	, for 100㎖×6ea/set, Φ39×h135mm	200,550
DH.Cef1000R.R2	(2) SS Swing Rotor **"R2-1000R"** with Bucket(500㎖×4), 4000rpm, 4100xg	2,142,980
DH.Cef1000R.B1	PP Bottle for Rotor **"R2-1000R"** ; ⓐ with Screw Cap, 500㎖	57,300
DH.Cef1000R.A3	PP Adapter for Rotor **"R2-1000R"** ; ⓑ (1.5㎖ ×20 hole)×4ea/set	315,150
DH.Cef1000R.A4	; ⓒ (5/7㎖ ×20 hole)×4ea/set, Vacu-tube	315,150
DH.Cef1000R.A5	; ⓓ (10㎖ ×15 hole)×4ea/set, Int. Thread	315,150
DH.Cef1000R.A6	; ⓔ (15㎖ ×8 hole)×4ea/set	315,150
DH.Cef1000R.A7	; ⓕ (20㎖ ×9 hole)×4ea/set	315,150
DH.Cef1000R.A8	; ⓖ (50㎖ ×4 hole)×4ea/set	315,150
DH.Cef1000R.A9	; ⓗ (100㎖×2 hole)×4ea/set	315,150
DH.Cef1000R.A10	; ⓘ (250㎖×1 hole)×4ea/set	315,150
DH.Cef1000R.R3	(3) SS Swing Rotor **"R3-1000R"** with Bucket(1000㎖×4), 4000rpm, 4100xg	5,042,280
DH.Cef1000R.B2	PP Bottle for Rotor **"R3-1000R"** ; ⓙ with Screw Cap, 1,000㎖	114,600
DH.Cef1000R.A11	PP Adapter for Rotor **"R3-1000R"** ; ⓚ (1.5㎖ ×24 hole)×4ea/set	882,400
DH.Cef1000R.A12	; ⓛ (5/7㎖ ×24 hole)×4ea/set, Vacu-tube	882,400
DH.Cef1000R.A13	; ⓜ (5/7㎖ ×37 hole)×4ea/set, RIA	882,400
DH.Cef1000R.A14	; ⓝ (10㎖ ×20 hole)×4ea/set, Snap Cap	882,400
DH.Cef1000R.A15	; ⓞ (15㎖ ×14 hole)×4ea/set	882,400
DH.Cef1000R.A16	; ⓟ (20㎖ ×12 hole)×4ea/set	882,400
DH.Cef1000R.A17	; ⓠ (50㎖ ×5 hole)×4ea/set	882,400
DH.Cef1000R.A18	; ⓡ (100㎖×3 hole)×4ea/set	882,400
DH.Cef1000R.A19	; ⓢ (250㎖×1 hole)×4ea/set	882,400
DH.Cef1000R.A20	; ⓣ (300㎖×1 hole)×4ea/set	882,400
DH.Cef1000R.A21	; ⓤ (500㎖×1 hole)×4ea/set	882,400
DH.Cef1000R.R4	(4) Aluminium Alloy Microplate Rotor(8×96well) **"R4-1000R"**, 4000rpm, 2200xg	1,544,200

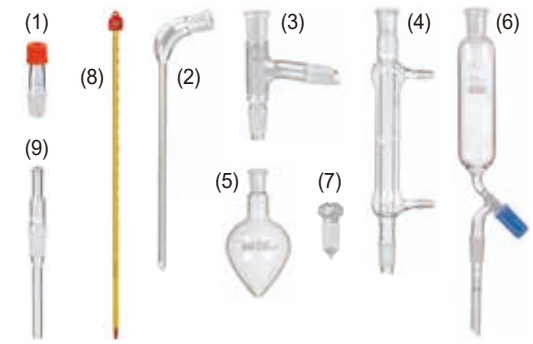
※ Adapter Size (id Φ×h) ;

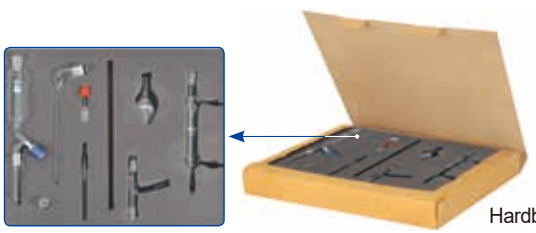
ⓑ Φ11×h37mm, ⓒ Φ13×h56mm, ⓓ Φ15.8×h78mm, ⓔ Φ17×h97mm, ⓕ Φ20.3×h91mm,
ⓖ Φ30×h91mm, ⓗ Φ39×h98mm, ⓘ Φ11×h37mm, ⓙ Φ95×h165mm, ⓚ Φ11×h37mm,
ⓛ Φ13×h56mm, ⓜ Φ12.5×h100mm, ⓝ Φ15.8×h78mm, ⓞ Φ17×h104mm, ⓟ Φ21.3×h91mm,
ⓠ Φ30×h93mm, ⓡ Φ38×h96mm, ⓢ Φ63×h90mm, ⓣ Φ71×h116mm, ⓤ Φ92×h86mm

Articles	Cat. No	Description

14/23 Joint Micro Organic Chemistry Kit, 9 Item, with 50㎖ Pear Flask

Ideal for Education in Universities, Boro-glass α 3.3, **마이크로 화학 실험세트, 9종**





Hardboard Case

■ ***9 Items set in handling Case***

∗ Ideal for Education in Colleges/Universities for Teaching of Organic Chemistry, and for Preparations up to 30g Material.

9 Components / Kit

(1) GL14 Screw Adapter, 14/23
(2) Receiving Adapter, 14/23
(3) Still Head Adapter, 14/23
(4) Liebig Condenser, 14/23
(5) 50㎖ Pear Flask, 14/23
(6) 50㎖ Dropping Funnel, with PTFE Valve
(7) Glass Stopper 14/23
(8) Thermometer
(9) Air Leak / Steam inlet Tube, Glass od 7×L320×t1.5mm

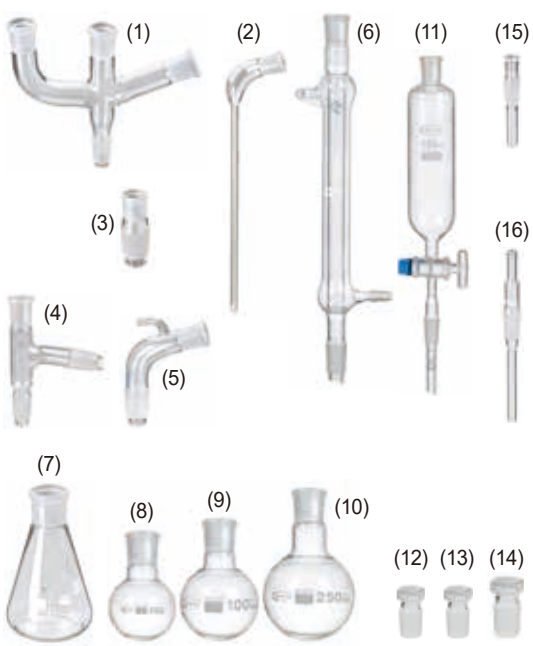
〈L1〉

Set.	Price, ₩
9parts	112,680

GL.203.202.01 Micro Organic Chemistry Kit of 9 items & Case

Organic & Environmental Micro Chemistry Kit, 16 Items, with 50~250㎖ Flasks & 14/23 · 19/26 · 24/29 Joint

Ideal for Education/Industrial Laboratories, Made of Boro-glass α 3.3, **유기 & 환경 화학실험 키트, 16종**







Hardboard Case

■ ***16 Items set in case***

■ ***Ideal for Education / Industrial Laboratories, and for Preparations up to 1501g Material.***

16 Components / Kit

(1) Multiple Adapter, 19/26 Socket, 24/29 Cone
(2) Receiver Adapter, L20cm, 19/26
(3) Reducing Adapter, 19/26 Socket, 24/29 Cone
(4) Still Head Adapter, 14/23 Socket, 19/26 Cone
(5) Vent Receiver Adapter, 19/26 Socket, 24/29 Cone
(6) Liebig Condenser, Normal-type, L160×od 24×1.8t mm, 14/23
(7) Erlen. Flask 250㎖, 24/29
(8) Round Flask 50㎖, 24/29
(9) Round Flask 100㎖, 24/29
(10) Round Flask 250㎖, 24/29
(11) Dropping Funnel, Rotaflo® Bore 3mm, 100㎖
(12) & (13) Glass Stopper 19/26
(14) Glass Stopper 24/29
(15) Thermometer, Pocket, 14/23 Cone, L45mm
(16) Air Leak / Steam inlet Tube, Glass od 7×L320×t1.5mm, 19/26

〈L1〉

Set.	Price, ₩
16parts	223,330

GL.207.202.01 Chemistry Kit of 16 items & Case

※ The Price(VAT is extra) for Korean End-user, and Changeable.

DAIHAN® −20℃+40℃ Chiller "CHI", Heavy-duty Refrigerated External Circulator, Fill-17 · 29 · 47 Lit

Ideal for Evaporator/Reactor &c. Cooling Line, Lift 27m, Cooling Capa 0.87 · 1.3 · 3.0 kW, 다용도 냉각 써큘레이터/칠러



Max. Filling Volume 47Lit, "CHI-50"

- ***Supplied by DAIHAN Korea*** ■ ***PL(Product Liability) Insurance***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
- ***Ideal for Wide-range Reaction System and Evaporator.*** ■ ***Max. Lift 27m***
- ***Assembly-type Safety Connection Ports/Pipe for Fluid In/Out-let : ISO RC 1/2" Thread, Stainless-steel.***
- ***Digital PID Control System Implementing Superior Temperature Accuracy.***
- ***Embedded External Nozzle Part for the Prevention of Nozzle Damaged.***
- ***Stainless-steel Internal Bath for Prevention of Corrosion.***

∗ Wide-range Filling Volume 17Lit · 29Lit · 47Lit ∗ Effective Cooling Capacity
∗ Useful for 1~50Lit Various Reactors and Evaporators. ∗ Emergency Stop Button for safety.
∗ High Quality Circulation Pump : 30-Lit/min Max Flow Rate and 3.3-bar Max. Pressure.
∗ Built in Pump Pressure Gauge and Compressor Pressure Gauge.

Specifications & Ordering information

〈L1〉

Spec. \ Model		"CHI-20" Filling Volume Max. Capa. 17Lit	"CHI-30" Filling Volume Max. Capa. 29Lit	"CHI-50" Filling Volume Max. Capa. 47Lit
Temp Range & Stability		−20℃+40℃-Range, ±0.2℃(at 15℃)-Stability		
Cool-Fluid. Filling Volume		17 Lit max	29 Lit max	47 Lit max
Useful for 1~50Lit Evaporators, etc.		for 1~20Lit Evaporator	for 10~30Lit Evaporator	for 20~50Lit Evaporator
Refrigerator Capacity(HP)		1 HP	1.5 HP	2 HP
Lid & Top Opening Dia.		Φ100 mm		
Fluid In/Out-let Connector		ISO RC 1/2″ (English System AG 1/2″) Thread, Stainless-steel		
Pump Power, Lift Height, m	Max. Flow Rate	30 Lit/min		
	Max. Pressure & Lift	3.3 bar Max. Lift : 27m		
Cooling Capacity	at +20℃	1.7 kW	2.8 kW	6.5 kW
	at 0℃	0.87 kW	1.3 kW	3.0 kW
	at −20℃	0.32 kW	0.45 kW	1.2 kW
External Dimension		450×630×h650 mm	550×830×h975 mm	605×975×h1265 mm
Material		Internal : Stainless-steel, External : Powder Coated steel		
Electrical Reqts.		1 Phase 230V, 50 / 60 Hz		3 Phase 380V
Cat. No.	60Hz	DH.Chi0020	DH.Chi0030	DH.Chi0050
	50Hz	DH.Chi0025	DH.Chi0035	DH.Chi0055
Price, Each. ₩		5,463,000	6,888,000	8,313,000

* Other Specifications are available upon Customer's Request.

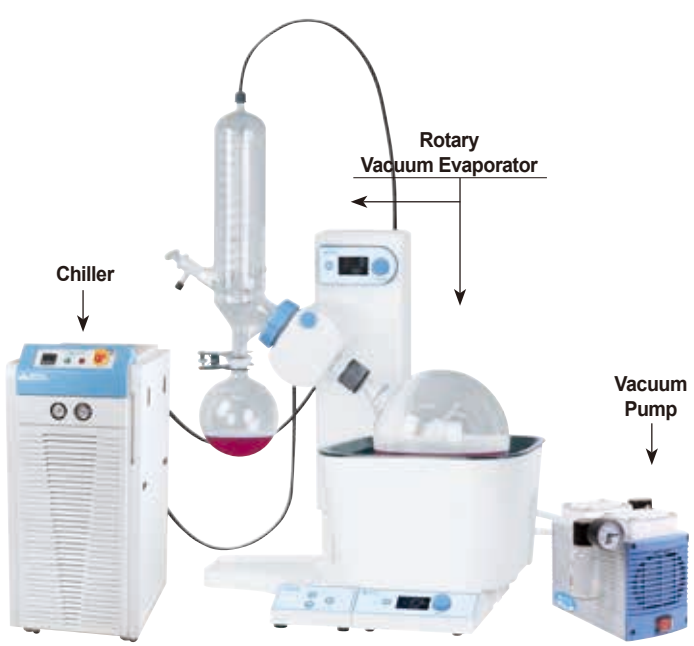
※ 운임 별도



Assembly-type Safety Connection Ports/Pipe for Fluid In/Out-let ; ISO RC 1/2" Thread, Located On Rear-Upper Panel

※ See page 57 for the Cooling/Heating Transfer Fluids & Circulation Hoses ;
▶ SYN THERM 7008® −40℃+400℃
▶ SUPER THERM FG-20® −10℃+300℃
▶ SYN THERM 22L® −5℃+320℃
▶ Insulated External Circulating Tubings

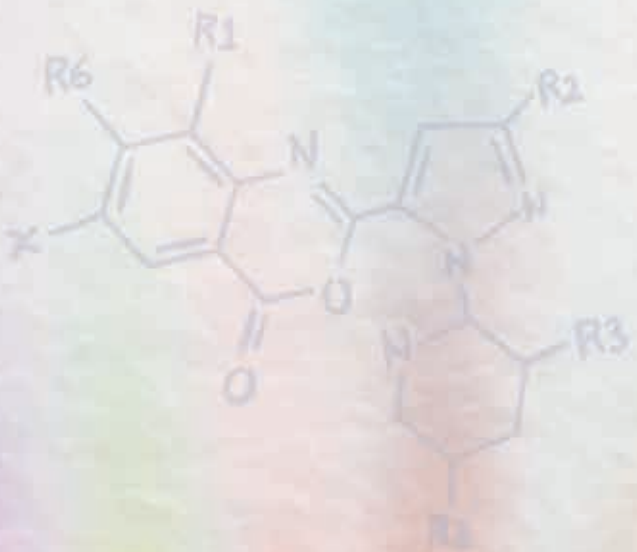
※ Note : Cooling Transfer Fluid Should be an Antifreezing Solution



▶ Figure : One of the Applications in the Large Volume Evaporator Line.

Chromatography

Autosampler Vials ..... P. 888~893
Bottles & Multi-Connection System Caps ..... P. 157~159
Columns ..... P. 180~182
Paper ..... P. 161
Silica Gel 60 ..... P. 161
SPE Cartridges & Manifold *New* ..... P. 159~160
Syringes ..... P. 800~801
TLC Glass Chambers & Plates ..... P. 161





Articles	Cat. No	Description



※ **Chromatography Vial :**
See the "Vials, *Autosampler/Chromatography*" Section!



(1) Chromatography Bottle Complete Set



(2) Spare GL45 Cap Set / 17pcs.



(3) Spare M8(Small Size) Cap Set

DURAN® GL45 HPLC Bottle, Complete-set with 4×Port PP Screwcap & Seals, 500 & 1,000㎖
For od.Φ1.6 & Φ3.2mm Tubes, with Blue Graduation, HPLC 바틀 세트

- ***Supplied by DURAN® in Germany***
- ***Borosilicate-glass α 3.3***
- ***Pressure/ Vacuum Resistant : −1 ~ +1.5 Bar***
- ***Cap : PTFE and PP, Autoclavable***
- ***Safe to use with Toxic Media, and Prevent Evaporation of Volatile Sample***
- ***Available Tube : od Φ1.6mm & Φ3.2mm : Option (Tubes in the Picture should be ordered Separately)***
- ***can be Stored when the Port is sealed with Silicone Seal.***
- ***Typical Application : Safe Transfer of Liquid Media within a Closed and Sterile System (Evaporation is Reduce)***
- ***Complete Set : ① 1×500 or 1000㎖ Pressure Bottle, ② 1×GL45 Screwcap, 4Port, PP ③ 4×Φ1.6mm Silicone Rings, ④ 4×Φ3.2mm Silicone Rings, ⑤ 4×Silicone Seals ⑥ 4×M8 Screwcap for 4Port***

〈L1〉

		Ea. Price,₩	Pk.	Price, ₩
DU.1129821	(1) 4Ports, Complete Set, 500 / 100㎖ , GL45, Φ86×h176㎜	107,140	2ea	207,840
DU.1129820	, 1,000 / 100㎖, GL45, Φ101×h225㎜	112,150	2ea	217,550

Spare Screwcap Set & Bottle

		Ea. Price,₩	Pk.	Price, ₩
DU.1129812	(2) Spare HPLC GL45 Screwcap Set / 17Pcs. With ① 1×Screwcap GL45 / 4Ports, ② 4×id.Φ1.6mm Silicone Sealing Rings. ③ 4×id.Φ3.2mm Silicone Sealing Rings, ④ 4×Silicone Seals. ⑤ 4×M8(Small size) Open Top Screwcaps for Ports	69,800	2ea	135,430
DU.1129813	(3) Spare HPLC M8(Small size) Screwcap Set / 16pcs. With ① 4×id.Φ1.6mm Silicone Sealing Rings, ② 4×id.Φ3.2mm Silicone Sealing Rings. ③ 4×Silicone Seals, ④ 4×M8(Small size) Screwcaps for Ports	53,590	10ea	519,680
DU.1092235	Spare, 500 / 100㎖ , GL45 Pressure Bottles	16,400	10ea	158,890
DU.2181054	, 1,000 / 100㎖, GL45 Pressure Bottles	18,870	10ea	182,770

Optional Pressure Equalization Set & Membrane Filter

		Ea. Price,₩	Pk.	Price, ₩
DU.1137801	Pressure Equalization Set for 4Ports Screwcap, with 0.2㎛ Membrane Filter	57,570		
DU.1129819	Membrane Filter, PTFE, Spare, 0.2㎛	15,200	2ea	29,470



(1) GL45 HPLC Delivery Cap

(2) ETFE Blanking Plug

DURAN® GL45 HPLC Reservoir Bottle, with Conical Base & Graduation, without Cap, 1,000~10,000㎖
Ideal for the Storage & Delivery of HPLC Solvents, Boro-glass 3.3, Autoclavable, GL45 HPLC 레저버 바틀

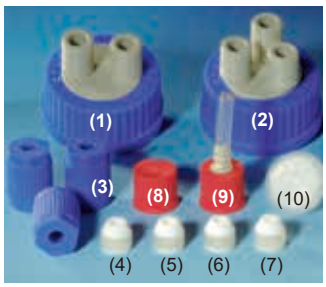
- ***Supplied by DURAN® in Germany***
- ***바틀 하부의 홈이 있어서 용매의 손실을 최소화 할 수 있음***

∗ Application : Mobile Phase Reservoirs for HPLC, Reagent Supply to Liquid Handling Systems
∗ Reservoirs have One Central Cavity for the Inlet Filter to Allow the Most Efficient Delivery of Mobile Phase to HPLC Analyzers.
∗ A Safer and More Convenient Alternative to Flat Bottomed Glass Media Bottles, the Conical Bottom Reservoirs Allow a Greater Recovery of Solvent, without Having to Tilt the Reservoir and Risk a Solvent Spill.
∗ On the Three Larger Sizes, the Central Cavity can Accommodate Magnetic Stir Bars for Improved Mixing.

〈L1〉

		Ea.	Price, ₩
DU.2184154	HPLC Reservoir Bottle, GL45, w/o Cap, Φ110×h295mm, 1,000㎖		277,720
DU.2184163	, Φ145×h309mm, 2,000㎖		353,780
DU.2184169	, Φ165×h353mm, 3,500㎖		495,430
DU.2184173	, Φ190×h386mm, 5,000㎖		610,720
DU.2184186	, Φ235×h481mm, 10,000㎖		2,011,750
DU.2923128	**(1) Optional ;** GL45 HPLC Delivery Cap, with 3-port, 1/4″-28 Thread for 3.2mm OD tubing PTFE Complete with 3 1/4″-28 ETFE plugs and TFE/Propylene O-ring		194,740
DU.2923100	**(2) Optional :** ETFE Blanking Plug 1/4″-28 Thread for 3-port HPLC GL45 Delivery Cap		14,690

Articles	Cat. No	Description



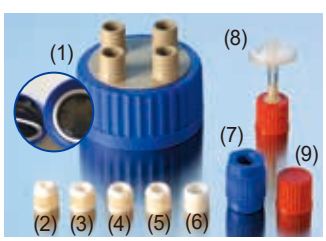


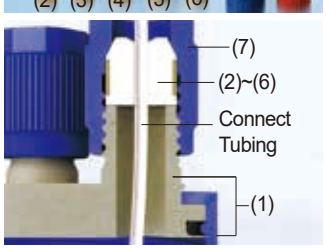
DURAN® GL45 Multi-Connection System, Screwcap with 2 or 3-Ports(GL14), For all GL45 Bottles
With 2 or 3 Ports (GL14), od.Φ1.6~6.0mm Tube Using for Connection, Autoclavable, GL45 **멀티 커넥터캡**

- ***Supplied by DURAN® in Germany***
- ***Safe to use with Toxic Media and can Prevent Evaporation of Volatile Samples***
- ***Can be Adjust the Hole size with 4 sizes of PTFE Inserts***
- ***Can use 4 Sizes of Tube (od.Φ1.6 / 3.0 / 3.2 / 6.0mm)***
- ***Typical Application : Safe Transfer of Liquid Media within a Closed and sterile System***
- ***Unused port can cover with Red Blanking Cap***

〈L1〉

		Ea. Price,₩	Pk.	Price, ₩
DU.1129750	(1) Screwcap GL45, PP, 2 Port GL14	61,080	2ea	118,480
DU.1129751	(2) , 3 Port GL14	65,030	2ea	126,130
DU.1129814	(3) Open top Screwcap GL14, PP, for Tube Connection, Blue	8,740	2ea	16,950
DU.1129815	(4) Insert for Screwcap GL14, PTFE, id.Φ1.6mm	29,080		
DU.1129816	(5) , id.Φ3.0mm	29,080		
DU.1129817	(6) , id.Φ3.2mm	29,080		
DU.1129818	(7) , id.Φ6.0mm	29,080		
DU.2924008	(8) Closed Top Screwcap GL14 (Red), Blanking Cap for Ports		10ea	39,920
DU.1137799	(9) Pressure Equalization Set for 2 / 3 Port Screwcap, w/0.2㎛ Membrane Filter (10)	56,270		
DU.1129819	(10) Membrane Filter, PTFE, 0.2㎛	15,200	2ea	29,470





DURAN® 4-Ports GLS80 Screwcap Connection System, with 18 Screw Ports
Ideal for Safe Transfer of Liquid, Autoclavable, GLS80 **멀티 커넥터 캡 시스템**

- ***Supplied by DURAN® in Germany***
- ***GLS 80 Screwcap Size : od.Φ87×id.Φ80×h40mm***

∗ Safe Transfer of Liquid Media(Toxic)within a Closed and Sterile System, Prevent Evaporation of Volatile Samples
∗ Can be Adjust the Hole size with 5 sizes of PTFE Inserts(id.Φ3.2 ~ 12mm)
∗ Unused port can cover with Red Blanking Cap
∗ New Soft & Flexible EPDM Sealing Gasket ; Can be Dismantled for Cleaning & Sterilizing

〈L1〉

		Ea. Price,₩	Cs.	Price, ₩
DU.2931091	(1) GLS80 Screwcap, 4 Port GL18, PP, w/EPDM Sealing Gasket	154,630	2ea	299,950
DU.1160169	(2) Insert for Screwcap GL18, PTFE, id.Φ3.2mm	34,470		
DU.1160170	(3) , id.Φ6.0mm	33,650		
DU.1160171	(4) , id.Φ8.0mm	34,470		
DU.1160172	(5) , id.Φ10.0mm	34,470		
DU.1160173	(6) , id.Φ12.0mm	34,470		
DU.1160174	(7) Open Top Screwcap GL18, PP, for Tube Connection, Blue	13,830	2ea	26,820
DU.1160167	(8) Pressure Equalization Set for 4 Port Screwcap, with 0.2㎛ Membrane Filter	58,580		
DU.1170682	(9) Blanking Screwcap GL18(Red PBT)	4,790	2ea	9,300

DURAN® GL25 & 45 Butyl Rubber Stopper, for Anaerobic Culture and Effective Sealing
Ideal for Needle Piercing, Autoclavable, −50℃+121℃, GL25 & 45 **부틸 스토퍼, 혐기성 컬쳐용에 최적**



- ***Supplied by DURAN® in Germany***
- ***Manufactured from a High Purity Bromobutyl Rubber Elastomer.***
- ***Applications : Culture of Anaerobic Microorganisms (Pressure Resistant Bottles Recommended), Storage of Anaerobic Culture Media (Amber Glass Bottles Recommended), Aerobic Methane Oxidation (MOx) Research, Storage of Oxygen Sensitive Materials, Applications Requiring Gas Purging or Sample Transfer via a Syringe***

∗ If Build up in Pressure is Anticipated, it is Recommended to Use the Stopper without the GL25 & 45 Red Open Top Cap.
∗ Elastic Material for Effective Sealing and Reliable Self-sealing after Needle Piercing.
∗ Upper Surface Features Seven Numbered Hemispherical Impressions for Needle-Piercing.

〈L1〉

		Ea. Price,₩	Pk.	Price, ₩
DU.2920613	Stopper, Bromobutyl Rubber, GL25, od Φ22.5×h12mm	4,190	10ea	40,570
DU.2920628	, GL45, od Φ40.5×h20.5mm	6,670	10ea	64,580

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description







SciLab® GL45 Glass Spray Bottle, for Reagent/Chromatography, 100~500㎖
With Safety GL Screw System/PTFE Inner Tube, Graduated, 눈금 스프레이어

■ ***Graduated, With PP Opentop Screwcap With DURAN PTFE/Silicone O-Ring Connection Seal ; Chemicals & Hi-Temp(140℃) Resistance***

(1) With Clear Glass Bottle, Boro 3.3

〈L1〉

		Ea.	Price, ₩
SL.Bot2060	Spray Btl. Clear, GL 45, 100㎖		66,570
SL.Bot2061	, 250㎖		67,340
SL.Bot2062	, 500㎖		68,290

(2) With Amber Glass Bottle, Soda Lime

		Ea.	Price, ₩
SL.Bot2065	Spray Btl. Amber, GL 45, 100㎖		66,050
SL.Bot2066	, 250㎖		66,700
SL.Bot2067	, 500㎖		67,240

(3) Optional Pressure Rubber Bulb

		Ea.	Price, ₩
WI.3157000	Bulb, for Pressure		11,180

Solid-phase Extraction Vacuum Manifold, for Chromatography, Used with SPE Cartridges, 12~24 port, 270×90×h160mm
Ideal for Sample Preparation in Laboratories, High Recovery Rate, Effective Removal, Concentrate Analytes
고체상추출(SPE) 매니폴드, SPE컬럼 & 진공펌프 별도



Solid-phase Extraction Vacuum Manifold, 19 port

■ ***Supplied by SciLab Korea***
■ ***액체 시료에서 SPE 카트리지의 흡착층을 통과시켜 표적 화합물 추출 하는데 사용되는 실험실 장비***
■ ***HPLC, GC의 의한 미량 유기물 분석 전 분석시료의 전처리(정제, 농축, 분획/분리, 용매변경)목적***
■ ***액-액 추출법(Liquid-liquid Extraction, LLE) 단점 보완, 높은 회수율, 실험시간 단축***
■ ***일반적으로 환경분석, 제약 및 식품 안전과 같은 다양한 응용 분야에서 사용***
■ ***Solid Phase Extraction is a Chromatographic Technique Used to Prepare Samples for Subsequent Analysis***
■ ***The General Procedure includes Sorbent Activation, Loading, Washing and Eluting***

* Increase Rear Valve Height by 10mm to Minimize Interference with Front Valve
* Allows to Observe the Flow of all Possible Ports
* Individual Flow Control Stopcocks
* Sufficient Clearance between Ports
* Includes Vacuum Gauge and Vacuum Control Valve
* Made of Special Solid Glass
* Can Withstand more than -0.085Mpa of the High Negative Pressure
* 12 ~ 24 Columns Maximum
* Processing : Vacuum Manifold

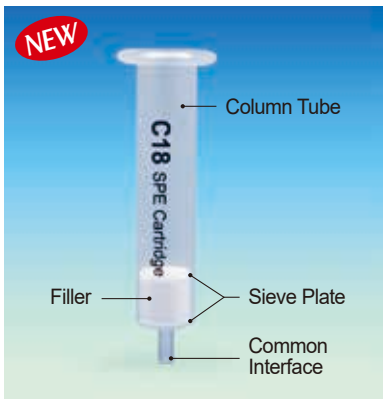
※ **SPE Cartridges : See the Next Page.**

〈L1〉

		Set.	Price, ₩
SL.SpeM102	SPE Manifold, 12 port		1,082,820
SL.SpeM103	, 19 port		1,732,500
SL.SpeM104	, 24 port		1,732,500
DH.Pu0300	Vacuum Pump		396,000

※ The Details of Vacuum Pump "DH.Pu0300"
⇒ See the "Pumps, Vacuum-Diaphragm" Section.

Articles	Cat. No	Description



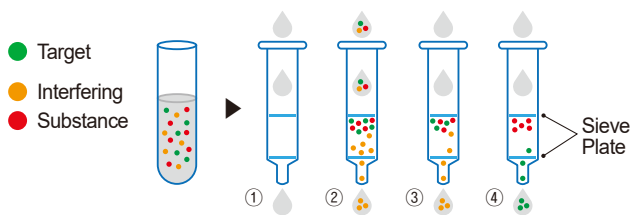
Composition of SPE Cartridges

Solid-phase Extraction Cartridges, PP Syringe Tube, with Adsorptive Filler, 200~500mg, 3~6㎖
Ideal for Sample Preparation, Purification, Enrichment, 고체상추출(SPE) 카트리지

- ***Supplied by SciLab Korea***
- ***시린지 모양의 카트리지에 충전제가 채워져 액체 혼합물에 용해되거나 존재하는 화합물들을 물리적, 화학적 특성에 따라 분리시킬 목적으로 사용***
- ***Used in Analytical Laboratories for Sample Preparation prior to Chromatographic Analysis***
- ***The Cartridges Contain a Solid Phase, which can be Made of Various Materials such as Silica, Polymers, or Carbon***
- ***The Solid Phase has Specific Chemical Properties that allow it to Selectively Bind the Target Compounds while Excluding Unwanted Substances***
- ***Used in Combination with a SPE manifold and Vacuum Pump***

∗ Offer Various Phases (Reaction Materials) for Separation and Extraction, which can be chosen Depending on the Characteristics of the Target Compounds, enabling Precise Extraction
∗ Available the Ideal Cartridge Size and Capacity Tailored to the Specific Requirements
∗ High Retention Rate and Recovery ∗ Compatibility with Various Solvents
∗ Excellent Accuracy and Repeatability

General Operation 4-Steps



① Activation : Remove Impurities from the Column and Create a Solvent Environment
② Loading Sample : Sample Dissolved, Transferred, and Components Remain on the Column
③ Rinse : Maximum Removal of Interfering Substances
④ Elution : A Small Volume of Solvent is Used to Elute the Substance under Test and Collect it

(1) Endcapped Octadecyl (C18)

∗ Hydrophobic ∗ High Carbon Content ∗ The Wide Range of pH
∗ Composition : Silica Support with Covalently Bonded Octadecyl (C18) Chains.
∗ Ideal for Extracting and Purifying Compounds such as Nonpolar and Moderately Polar Organic Molecules

〈L1〉

Cat. No.	Specifications	Filler Weight, Volume	Pk.	Price, ₩
SL.SpeC3002	Carbon Content : 17.6% Surface Area : 300m²/g Partical Size : 40~75㎛ Pore Size : 70 Å	200mg, 3㎖	50ea	166,950
SL.SpeC3003		500mg, 3㎖	50ea	242,550
SL.SpeC3004		500mg, 6㎖	30ea	151,200

(2) Unendcapped Octadecyl (C18N)

∗ General-purpose Sorbent (Polar and Non-polar Compounds)

Cat. No.	Specifications	Filler Weight, Volume	Pk.	Price, ₩
SL.SpeC3012	Carbon Content : 17% Surface Area : 300m²/g Partical Size : 40~75㎛ Pore Size : 100 Å	200mg, 3㎖	50ea	166,950
SL.SpeC3013		500mg, 3㎖	50ea	242,550
SL.SpeC3014		500mg, 6㎖	30ea	151,200

(3) Unendcapped Octadecyl (C18A)

∗ Hydrophilic Surface Modification

Cat. No.	Specifications	Filler Weight, Volume	Pk.	Price, ₩
SL.SpeC3022	Carbon Content : 12% Surface Area : 300m²/g Partical Size : 40~75㎛ Pore Size : 100 Å	200mg, 3㎖	50ea	182,700
SL.SpeC3023		500mg, 3㎖	50ea	311,850
SL.SpeC3024		500mg, 6㎖	30ea	192,150

(4) Octyl (C8)

∗ Ideal for Extracting and Purifying neutral Cmpounds

Cat. No.	Specifications	Filler Weight, Volume	Pk.	Price, ₩
SL.SpeC3032	Carbon Content : 9% Surface Area : 280m²/g Partical Size : 40~75㎛ Pore Size : 100 Å	200mg, 3㎖	50ea	166,950
SL.SpeC3033		500mg, 3㎖	50ea	242,550
SL.SpeC3034		500mg, 6㎖	30ea	151,200

(5) Unbounded Silica Gel (Silica)

∗ Separable Structurally Similar Polar Compounds

Cat. No.	Specifications	Filler Weight, Volume	Pk.	Price, ₩
SL.SpeC3042	Surface Area : 480m²/g Partical Size : 40~75㎛ Pore Size : 70 Å	200mg, 3㎖	50ea	116,550
SL.SpeC3043		500mg, 3㎖	50ea	138,600
SL.SpeC3044		500mg, 6㎖	30ea	91,350

(6) Dihydroxy (Diol)

∗ Analysis of Phenols, Pigments and Phospholipids in Plant Oils
∗ Determination of Drugs and their Metabolites in Biological Fluids such as Urine
∗ Separation of Glycan Mixtures

Cat. No.	Specifications	Filler Weight, Volume	Pk.	Price, ₩
SL.SpeC3052	Carbon Content : 5.5% Surface Area : 480m²/g Partical Size : 40~75㎛ Pore Size : 70 Å	200mg, 3㎖	50ea	176,400
SL.SpeC3053		500mg, 3㎖	50ea	296,100
SL.SpeC3054		500mg, 6㎖	30ea	182,700

(7) Cyanopropyl (CN)

∗ Analysis of Drugs and Drug Metabolites (such as Steroids) in Biological Fluids
∗ Determination of Residual Pesticides / Veterinary Drugs in Food and Milk

Cat. No.	Specifications	Filler Weight, Volume	Pk.	Price, ₩
SL.SpeC3062	Carbon Content : 5.8% Surface Area : 480m²/g Partical Size : 40~75㎛ Pore Size : 70 Å	200mg, 3㎖	50ea	157,500
SL.SpeC3063		500mg, 3㎖	50ea	252,000
SL.SpeC3064		500mg, 6㎖	30ea	154,350

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



Chromatography Paper

filtratech® Chromatography Paper, Made of High Quality Cotton Linters, 20×20cm & 46×57cm
Ideal for the Separation Coloured Chemicals or Substances, <France-Made> 크로마토그래피 페이퍼

∗ Produced with High Quality Cotton Linters ∗ High Capillary Rise ∗ Sheet-Type

(1) Chromatography Paper, for General Works, 분석용

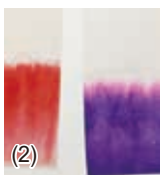
∗ Ideal for Routine Works in Chromatography, Determination of the Presence of Malic Acid in Wine
∗ Weight(g/m²) Din 53104 : 90 g/m² ∗ Thickness (mm) : 0.20mm
∗ Capillary Rise (mm/30 min) : 120~130

〈L1〉

		Pk.	Price, ₩
FL.CH51.F2020	Chromatography Paper, General, 20×20cm, 100sheets	100sheet	74,090
FL.CH51.F4657	, 46×57cm, 100sheets	100sheet	348,240



(1) for General Works



(2) for Electrophoresis Works

(2) Chromatography Paper, for Electrophoresis Works, 전기영동용

∗ Ideal for Electrophoresis Works, Highly Charged Solution Chromatography, Separation of Organic Compounds, Separation and Identification of Additives in Food
∗ Weight(g/m²) Din 53104 : 180 g/m² ∗ Thickness (mm) : 0.36mm
∗ Capillary Rise (mm/30 min) : 90~100

		Pk.	Price, ₩
FL.CH58.F2020	Chromatography Paper, Electrophoresis, 20×20cm, 100sheets	100sheet	220,150
FL.CH58.F4657	, 46×57cm, 100sheets	100sheet	622,530



TLC Mini Developing Glass Chamber, Internal 12×5.5×h12cm
For 10×10cm Plates, with Lid, 소형 TLC 글래스 전개조

∗ Made in Korea
∗ Can be used with 10pieces of 10×10cm TLC Plate
∗ Flat & Clear Surface Walls for Visual Inspection
∗ Ground-Top Surface/Secure Sealing Area
∗ Soda-lime Glass
∗ Approx. Unit Weight with Cover : 1.15kg
∗ Beveled Inside and Outside to Avoid Sharp Edges.

〈L1〉

		Ea.	Price, ₩
SL.TI1101	TLC Chamber, 12×5.5×h12cm		50,630



Merck® Thin Layer Chromatography(TLC) Plate, 20×20cm
With Silicagel Coated Glass · Plastic · Aluminum, 박층 크로마토그래피 판

■ ***Supplied by Merck® in Germany*** ∗ Glass, Plastic, Aluminum Plates
∗ Silica gel 60/Silica gel 60 F254(Green Fluorescencing F254)
∗ Offer a Layer Thickness of 250㎛ for Glass Plates and 200㎛ for Aluminum or Plastic
∗ Size : 20×20cm Standard ∗ Sample Volume (Capillary) : 1 to 5㎕
∗ Diameter of Spot : 3 to 6 mm ∗ Diameter of Separated Spot : 6 to 15 mm

〈L3〉

(1) Glass TLC Plate, Thickness : 0.25mm

		Pk.	Price, ₩
MK.105715	TLC Plate, Glass, Fluore. 254 / Silicagel 60, 20×20 cm	25ea	249,750

(2) Aluminum TLC Plate, Thickness : 0.2mm

		Pk.	Price, ₩
MK.105554	TLC Plate, Aluminum, Silicagel 60, 20×20 cm	25ea	251,100

(3) Plastic TLC Plate, Thickness : 0.2mm

		Pk.	Price, ₩
MK.105735	TLC Plate, Plastic, Fluore. 254 / Silicagel 60, 20×20 cm	25ea	531,570



1kg 25kg

Merck® Silica Gel 60, Reliable Silica Gel for Normal-phase Chromatography & Adsorption Process
For Purification & Separation, 최상의 실리카겔, 정제/분리용

■ ***Supplied by Merck® in Germany.***
■ ***Standardized Silica Gels are widely used in Separation Processes to Purify High Value Compounds in Ton Quantities***
∗ Biopharma/Pharma Production : Purification of APIs, Hormones, Antibiotics, Peptides
∗ Lab Scale Separations : Bulk Silica for a Wide Range of Separations/Purifications on Lab Scale. Packing Material for Flash Cartridges.
∗ Electronic Industry : Purification of Organic Compound and Liquid Crystals.
∗ Cosmetics : Functional Filler/Additive. ∗ CAS No. : 7631-86-9, EC Number : 231-545-4

〈L3〉

		Pk.	Price, ₩
MK.107734.1000	Silica Gel 60, 0.063~0.200mm, 70~230 Mesh ASTM, 1kg/Pk	1kg	135,000
MK.107734.9025	, 25kg/Pk	25kg	1,274,070
MK.109385.1000	, 0.040-0.063mm, 230-400 Mesh ASTM, 1kg/Pk	1kg	185,630
MK.109385.9025	, 25kg/Pk	25kg	1,746,570

Clamps / Holders

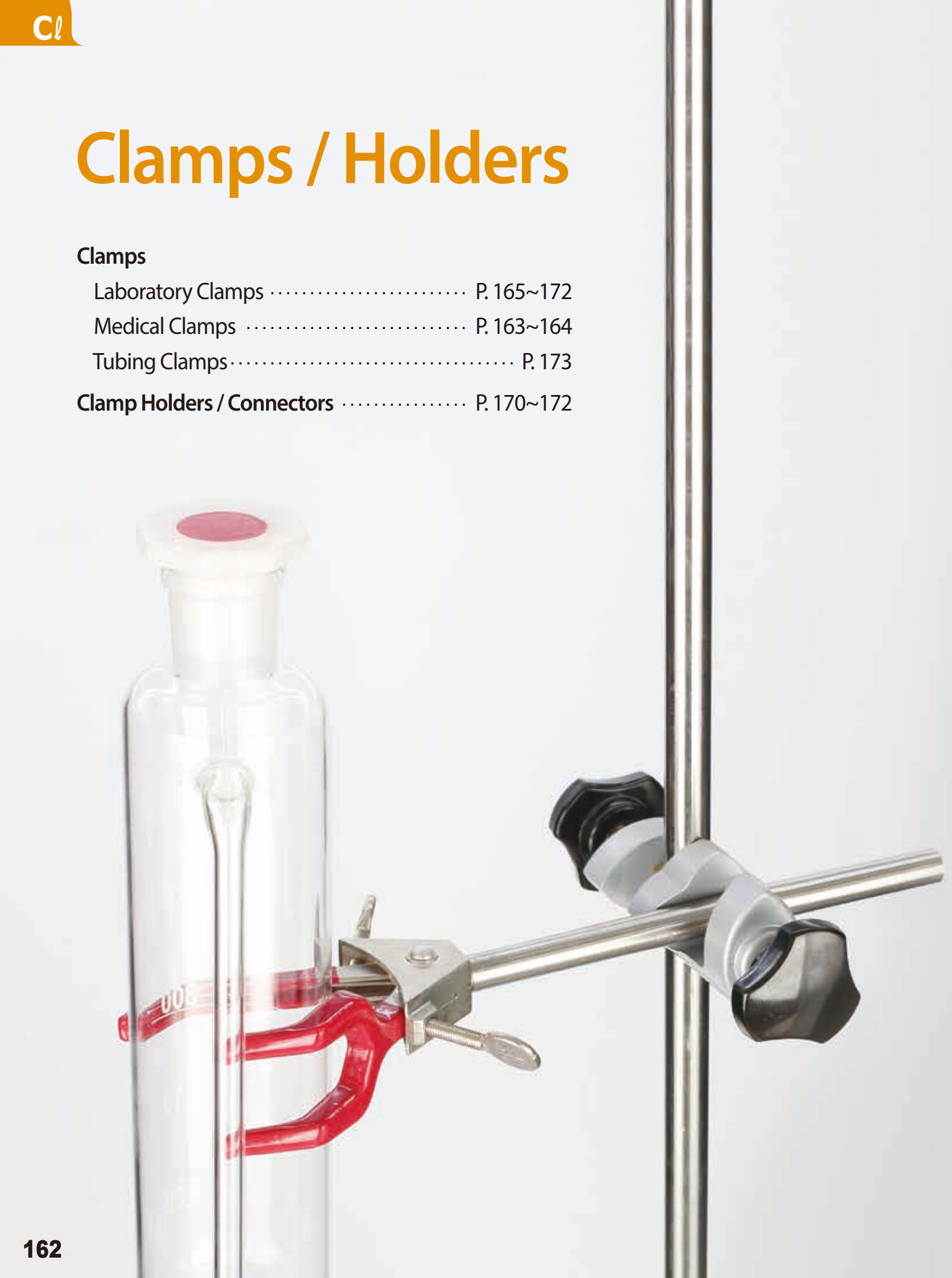
Clamps

Laboratory Clamps ····· P. 165~172

Medical Clamps ····· P. 163~164

Tubing Clamps ····· P. 173

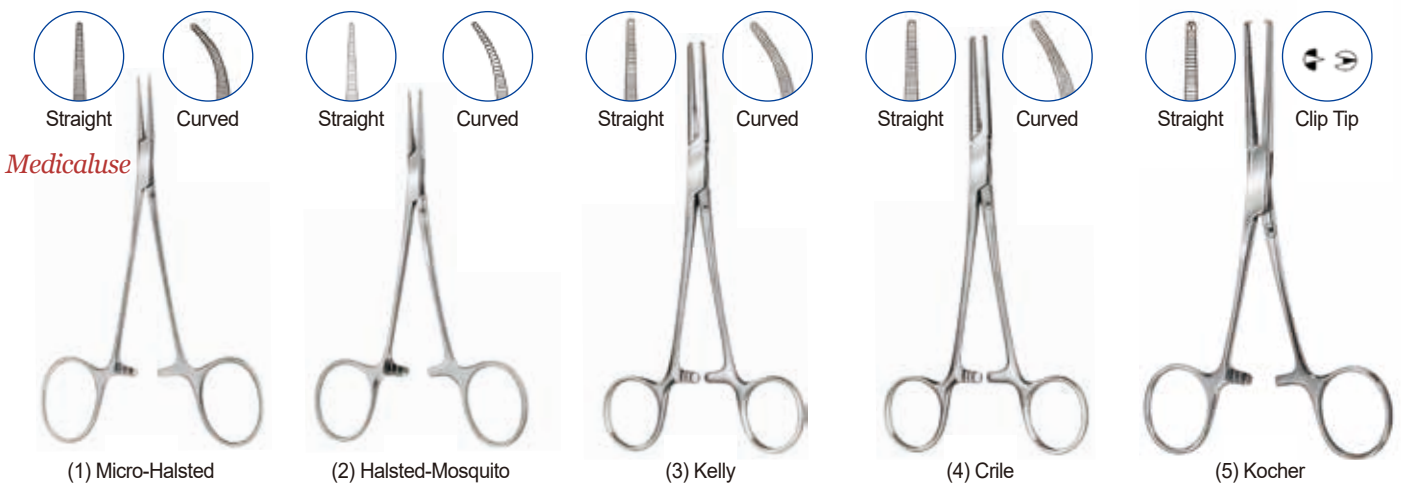
Clamp Holders / Connectors ····· P. 170~172



※ Hammacher® Premium Maintenance Service for Diamond Coating, Sharpening, Refinishing &c.
⇒ See the "Forceps" Section.

Hammacher® Premium Haemostatic Forceps/Tubing Clamp, with Serrated Clamp Heads, L120~160mm, *Medicaluse*

Crile · Halsted · Kelly · Kocher · Mosquito-Forceps, Stainless-steel 410, 프리미엄 지혈 겸자 포셉 및 튜빙 클램프 겸용, 독일제 의료용 & 랩 겸용



(1) Micro-Halsted (2) Halsted-Mosquito (3) Kelly (4) Crile (5) Kocher

- ***Germany-made 프리미엄급; 의료용 지혈 겸자/포셉/핀셋, 비부식, 고강도, 고경도, 내약품성***
- ***용도 : 조직이나 혈관을 잡거나 조작, 압박, 절단, 결합, 또는 호스나 튜브를 고정시켜 기밀을 유지하는 등 다목적 기구***
- ***격자로 된 홈이 있는 팁이 미끄러지지 않게 잡도록 도와주고, 가위형 손잡이로 간편하게 고정시키거나 잡을 수 있음***
- ***Stainless-steel 410 : Rust-proof, High-Strength/Hardness, Chemical Resistance***

∗ Used to Clamp Blood Vessel and Hold Tissue or Control the Flow of Liquids or Gases Through Flexible Tubing ∗ Serrated Heads to Ensure Firm Grasp
∗ Ratchet Locking Mechanism between the Rings Permits to apply Different Levels of Clamping Pressure

(1) Micro-Halsted Forceps, L125mm, 마이크로-할스테드 포셉

∗ 작은 섬유조직을 잡을 때 유용 ∗ Very Delicate model
∗ Used to Clamp Small Blood Vessels and Hold Tissue

<M1>

		Ea. Price,₩
HA.HSE016.12	Forceps, SS, Micro-Halsted, Straight, L125mm	48,800
HA.HSE017.12	, Curved, L125mm	50,400

(2) Halsted-Mosquito Forceps, L120mm, 할스테드-모스키토 포셉

∗ 작은 섬유조직을 잡을 때 유용
∗ Used to Clamp Small Blood Vessels and Hold Tissue

		Ea. Price,₩
HA.HSE022.12	Forceps, SS, Halsted-Mosquito, Straight, L120mm	44,820
HA.HSE023.12	, Curved, L120mm	46,640

(3) Kelly Forceps, L140mm, 켈리 포셉

∗ 비교적 큰 조직을 잡을 때 유용
∗ Used to Clamp Blood Vessels and Hold Heavy Tissue

		Ea. Price,₩
HA.HSE044.14	Forceps, SS, Kelly, Straight, L140mm	52,750
HA.HSE045.14	, Curved, L140mm	53,850

(4) Crile Forceps, L140mm, 크라일 포셉

∗ 비교적 큰 조직을 잡을 때 유용
∗ Used to Clamp Blood Vessels and Hold Heavy Tissue

		Ea. Price,₩
HA.HSE048.14	Forceps, SS, Crile, Straight, L140mm	52,400
HA.HSE049.14	, Curved, L140mm	53,850

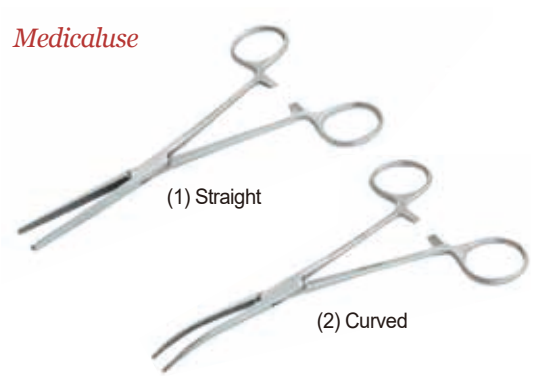
(5) Tissue Kocher Forceps, with Clip Tip 1:2, L160mm, 코카 포셉

∗ 비교적 크고 단단한 조직을 잡을 때 유용
∗ Used to Clamp Large Blood Vessels and Hold Heavy Tissue

		Ea. Price,₩
HA.HSE088.16	Tissue Forceps, SS, Kocher, Straight, with Clip Tip 1:2, L160mm	63,970

Hammacher® Premium *Pean* Hemostatic Forceps/Tubing Clamp, with Serrated Head, L130~200mm, *Medicaluse*

(1) Straight-type and (2) Curved-type, Stainless-steel, <Germany-Made> 프리미엄 *페안* 지혈 겸자 포셉 및 튜빙 클램프 겸용, 독일제 의료용 & 랩 겸용, 비부식



- ***Germany-made 프리미엄급; 비부식, 고강도, 고경도, 내약품성***
- ***조직이나 혈관을 잡거나 조작, 압박, 절단, 결합, 또는 호스나 튜브를 고정시켜 기밀을 유지하는 다목적 기구***
- ***Stainless-steel 410 : Rust-proof, High-Strength/Hardness, Chemical Resistance***

∗ Used to Clamp Blood Vessel and Hold Tissue or Control the Flow of Liquids or Gases Through Flexible Tubing

<M1>

		Ea. Price, ₩
HA.HSE062.13	(1) Forceps, Serrated, SS, Pean, Straight, L130mm	63,600
HA.HSE064.14	, L140mm	65,230
HA.HSE066.16	, L160mm	84,020
HA.HSE070.18	, L180mm	94,830
HA.HSE072.20	, L200mm	102,040
HA.HSE063.13	(2) Forceps, Serrated, SS, Pean, Curved, L130mm	66,500
HA.HSE065.14	, L140mm	68,100
HA.HSE067.16	, L160mm	86,350
HA.HSE069.18	, L180mm	97,550
HA.HSE071.20	, L200mm	105,490

Articles	Cat. No	Description

Hammacher® Premium Heavy-duty Haemostatic Forceps/Tubing Clamp, Stainless-steel 410, *Medicaluse*

(1) L150 & L190mm Serrated Head, (2) L160 · 180 · 200mm Smooth Head, **프리미엄 강력 지혈겸자 포셉 및 튜빙 클램프 겸용, 독일제 의료용 & 랩 겸용**

Medicaluse



- ***Germany-made 프리미엄급; 비부식, 내산성/내약품성/내열성 우수***
- ***조직이나 혈관을 잡거나 조작, 압박, 절단, 결합, 또는 호스나 튜브를 고정시켜 기밀을 유지하는 다목적 기구***
- ***Stainless-steel 410 : Rust-proof, High-Strength/Hardness, Chemical Resistance***

∗ Used to Clamp Blood Vessel and Hold Tissue or Control the Flow of Liquids or Gases Through Flexible Tubing

〈M1〉

		Ea.	Price, ₩
HA.HSE914.15	(1) Tubing Clamp, Serrated Head, L150mm		110,000
HA.HSE916.19	, L190mm		117,390
HA.HSE910.16	(2) Tubing Clamp, Smooth Head, L160mm		103,690
HA.HSE906.18	, L180mm		102,230
HA.HSE908.20	, L200mm		106,770

Hammacher® Premium Hemostatic Forceps/Tubing Clamp, with Safety Plastic-coated Heads, *Medicaluse*

L160 · 180 · 200mm, Autoclavable, Stainless-steel 410, **프리미엄 안전 코팅 지혈겸자 포셉 및 튜빙 클램프 겸용, 독일제 의료용 & 랩 겸용, 비부식**

Medicaluse



- ***Germany-made 프리미엄급; 비부식, 고강도, 고경도, 내약품성***
- ***조직이나 혈관을 잡거나 조작, 압박, 절단, 결합, 또는 호스나 튜브를 고정시켜 기밀을 유지하는 다목적 기구***
- ***Stainless-steel 410 : Rust-proof, High-Strength/Hardness, Chemical Resistance***

∗ Used to Clamp Blood Vessel and Hold Tissue or Control the Flow of Liquids or Gases Through Flexible Tubing

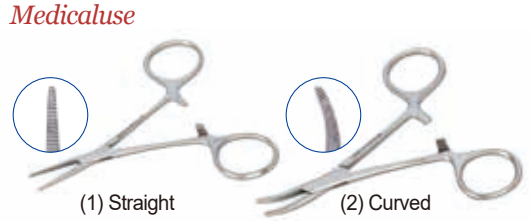
〈M1〉

		Ea.	Price, ₩
HA.HSE900.16	Tubing Clamp, Serrated, Straight, L160mm		121,200
HA.HSE902.18	, L180mm		122,450
HA.HSE904.20	, L200mm		127,520

Hartman Hemostatic Forceps/Tubing Clamp, with Serrated Clamp Head, L105mm, *Medicaluse*

Straight- & Curved-type, Stainless-steel 410, ***하트만* 지혈겸자 포셉 및 튜빙 클램프 겸용, 의료용 & 랩겸용, 비부식**

Medicaluse



- ***Stainless-steel 410 : 비부식, 고강도, 고경도, 내약품성***
- ***진료 시 조직이나 혈관을 잡거나 조작, 압박, 절단, 결합 또는 호스나 튜브를 고정시켜 기밀을 유지하는 등 다목적 기구***
- ***Stainless-steel 410 : Rust-proof, High-Strength/Hardness, Chemical Resistance***

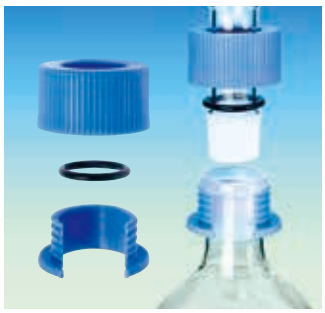
∗ Used to Clamp Blood Vessel and Hold Tissue or Control the Flow of Liquids or Gases Through Flexible Tubing

〈M1〉

		Ea.	Price, ₩
DM.For7035	(1) Forceps, Hartman, Straight, L105mm		5,940
DM.For7036	(2) , Curved, L105mm		6,030

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



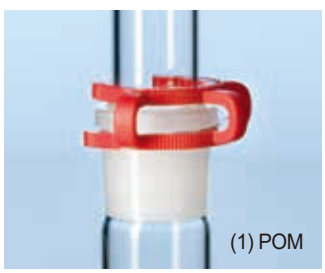
"witeg" Superfix Screwcap type Joint Clamp, with Clamping O-ring, Color-coded, Joint 14~45

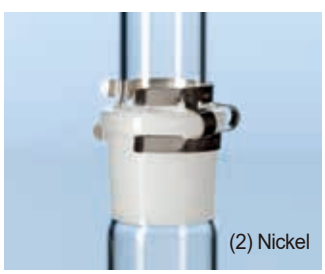
Highest Safety, Screwthread-type, for both DIN/ISO & ASTM Joint, <Germany-Made> Superfix 스크류타입 조인트 클램프

■ ***Highest Safety for Tightening All Apparatus with Ground Joint Cone & Socket***

∗ Complete with Cap, Inner Part of Thread Cone, and Clamping O-ring
∗ Cap & Thread Cone ; Made of Polypropylene(PP), 0℃~125/140℃, O-Ring ; Nitrile Butadiene Rubber(NBR), -20℃+180℃ 〈L1〉
∗ Reliable Replacement for Spring or Clamp

		Ea. Price,₩			Ea. Price,₩
WI.0140014	Clamp, 14, Red	7,680	**WI.0140029**	Clamp, 29, Blue	5,370
WI.0140019	, 19, Green	7,770	**WI.0140034**	, 34, White	42,120
WI.0140024	, 24, Gray	5,370	**WI.0140045**	, 45, Beige	56,470





DURAN® Clamp for All ASTM & DIN Tapper Joints, Color-coded

Made of Plastic(POM) & Metal(Ni), KECK® 표준테퍼 조인트 클램프

■ ***Supplied by DURAN® in Germany***

∗ Connect and Fix all ASTM & DIN Tapper Joints Tightly. ∗ Color Cording System for Identification
∗ Usage : 1) Clamp for tightening Joint Cone & Socket, 2) For Both DIN/ISO Joints and ASTM Joints(Long Tapper)

(1) KECK-KC model : Plastic (POM)

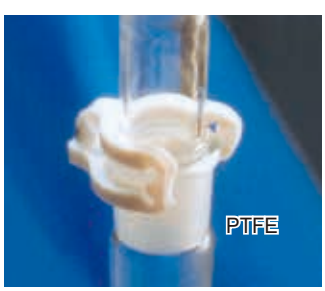
∗ Chemical & Temp. Resistance, Autoclavable 〈L6〉

Cat. No.	Joint	Color	Ea. Price, ₩	Pk. Price, ₩	Cat. No.	Joint	Color	Ea. Price, ₩	Pk. Price, ₩
SM.28633610	10	Green	5,670	10ea 56,620	**SM.28633660**	29	Red	6,990	10ea 69,770
SM.28633620	12	Violet	5,820	10ea 41,920	**SM.28633670**	34	Orange	7,720	10ea 77,080
SM.28633630	14	Yellow	5,990	10ea 43,290	**SM.28633680**	40	Yellow	8,740	10ea 87,300
SM.28633640	19	Blue	6,180	10ea 44,390	**SM.28633690**	45	Brown	9,490	10ea 94,880
SM.28633650	24	Green	6,640	10ea 47,680					

(2) KECK-KCM model : Metal (Ni)

∗ More tensionable & wearable than KC-model(POM)

		Ea. Price,₩	Pk. Price,₩
SM.28633730	Clamp, KCM, Joint 14	12,830	10ea 128,230
SM.28633740	, Joint 19	13,470	10ea 134,620
SM.28633750	, Joint 24	14,190	10ea 141,790
SM.28633760	, Joint 29	15,580	10ea 155,740

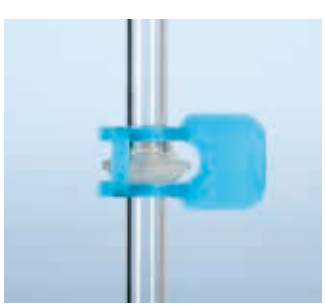


Cowie® Joint Clamp, PTFE, for High-temp. & Long-type, −200℃+280℃

With Encapsulated Steel Spring, Incorrodible, Unstimulated, Durability, <UK-Made> PTFE 조인트 클램프

∗ Totally Chemically Resistant and Inert 〈L1〉

		Ea. Price,₩			Ea. Price,₩
CW.030.0101	Clamp, PTFE, Joint 10	8,340	**CW.030.0291**	Clamp, PTFE, Joint 29	9,300
CW.030.0121	, Joint 12	8,340	**CW.030.0341**	, Joint 34	10,680
CW.030.0141	, Joint 14	7,920	**CW.030.0401**	, Joint 40	11,820
CW.030.0191	, Joint 19	8,630	**CW.030.0451**	, Joint 45	13,100
CW.030.0241	, Joint 24	8,730			



DURAN® Ball Joint Clamp, Plastic POM, KS-model, 볼-조인트 클램프

■ ***Supplied by DURAN® in Germany***

∗ Connect and Fix all Spherical Joints tightly. Color Cording System for Identification
∗ Material : POM(Polyoxymethylene resin) tensionable, -40℃+110℃ Heat Resistant
∗ Usage : Clamping tightly all kind of Standard Ball Joint (Cone & Socket)
∗ Color Coded : easy to recognized the size of Joint 〈L6〉

		Ea.	Price, ₩	Pk.	Price, ₩
SM.28634050	Ball Joint Clamp, KS, Joint 13, Violet		8,050	10ea	80,400
SM.28634060	, Joint 19, Blue		8,330	10ea	83,190
SM.28634080	, Joint 29, Red		8,690	10ea	86,780
SM.28634090	, Joint 35, Orange		9,000	10ea	89,970



Ball joint Clamp, Stainless-steel, with Tightening Screw for Strong & Tightening Clamping

강력스텐 볼조인트 클램프, 스크류식 〈L6〉

		Ea.	Price, ₩	Pk.	Price, ₩
SL.CI7451	Ball joint Clamp, Stainless-steel, w/Screw, Joint 12		5,020		
SL.CI7452	, Joint 18		5,430		
SL.CI7453	, Joint 28		6,270		
SL.CI7454	, Joint 35		7,520		
SL.CI7455	, Joint 40		11,680		
SL.CI7456	, Joint 50		14,170		
SM.28633500	, Joint 64		93,840	5ea	469,190

Articles	Cat. No	Description



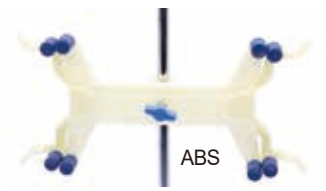
PP Burette Clamp, Single (1) & Double (2) Places
For Stand Rods Φ8~13mm, −10℃+125/140℃, PP뷰렛 클램프



■ ***Boss Head supplied with 2-Olives***
∗ Suitable for Dia Φ8 ~ Φ13mm Support Rods and for All Burette

〈L1〉

		Ea. Price, ₩
SL.Cla3011	(1) PP Burette Clamp, fit to dia Φ8 ~ Φ13mm Rods, for 1-Burette	3,760
SL.Cla3012	(2) , for 2-Burettes	6,640

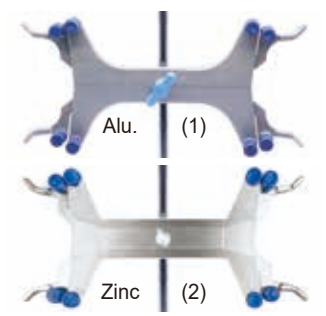


Burette Clamp for 2-Burettes, ABS, Grip Capa. Φ25mm, up to 100㎖, 뷰렛 클램프

■ ***Supplied by SciLab Korea***
∗ Body Material : ABS (Acrylonitrile-Butadiene-Styrene Resin)
∗ Suitable for Dia Φ8 ~ Φ13mm Support Rods
∗ In order to Prevent Damage to the Burette with Rubber Grip
∗ for 2×Burette, Grip Capa. Φ25mm

〈L1〉

		Ea. Price, ₩
SL.Cla3021	Clamp, PVC, for 2×Burettes, Grip Capa. Φ25mm	3,500



Burette Clamp for 2-Burettes, Max-grip capa. Φ25 & 30mm, 뷰렛 클램프

■ ***Supplied by SciLab Korea***
∗ Suitable for Dia Φ8 ~ Φ13mm Support Rods

〈L1〉

(1) Burette Clamp, Aluminum Alloy, Grip Capa. Φ25mm, up to 100㎖

		Ea. Price, ₩
SL.Cla8153	Clamp, Alloy, for 2×Burettes, Grip Capa. Φ25mm	8,340

(2) Burette Clamp, Zinc-diecasting, Grip Capa. up to Φ30mm

		Ea. Price, ₩
SL.Cla8154	Clamp, Zinc-diecasting, for 2×Burettes, Grip Capa. Φ30mm	18,300



Gas Cylinder Holder, up to Φ230mm, Safety Belt with Snap Buckle
For Wall Fixing, for Benches Thick-up to 65mm, <Germany-Made> 가스 실린더 홀더

∗ Aluminium, Powdercoated
∗ Included Safety Belt with Snap Buckle



〈L1〉

		Ea. Price, ₩
US.2070	Holder for Gas Cylinder, with Safety Belt, for up to Φ230mm	112,880
US.2071	Spare Safety Belt	25,840



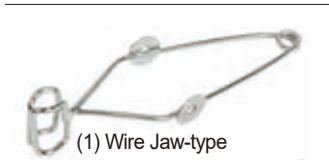
SciLab® Quick Release Tensionable Clamp, for 45° DN Flanged Reactor Lids & Vessel
With 3 Retaining Clips, Made of Rustless Stainless-steel, 45° DN-표준 플렌지용(반응조) 신속 클램프

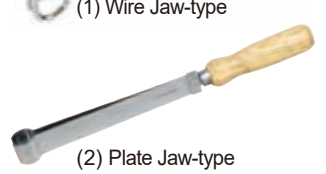
■ ***Made in Korea*** ∗ Safety & Easy Operation : Quick Clamping & Release
∗ with Clamping Tension Control System : Sturdy Facility



〈L1〉

		Ea. Price, ₩
SL.Cla7011	Clamp, React., for - DN 60 Flange (id 60×od100 mm)	49,050
SL.Cla7012	, for - DN100 Flange (id100×od138 mm)	51,980
SL.Cla7013	, for - DN120 Flange (id120×od158 mm)	56,700
SL.Cla7014	, for - DN150 Flange (id150×od184 mm)	62,780
SL.Cla7015	, for - DN200 Flange (id200×od242 mm)	74,250





Stainless-steel Test Tube Clamp, 2-type, for od Φ10~30mm
With Wire or Plate Jaw-type, Stainless-steel, 1400℃, 시험관 집게

■ ***Supplied by SciLab Korea*** ∗ Self-Closing Style ∗ Easy Handling

〈L1〉

(1) Wire Jaw-type, with Finger Grip, for ΦO.D 12~30mm Tubes

		Ea. Price, ₩
SL.Ton7048	Test Tube Clamp, Stainless-steel, for Φod 12~30mm, L160mm	2,070

(2) Plate Jaw-type, with Wood Handle, for ΦO.D 10~25mm Tubes

		Ea. Price, ₩
SL.Ton7050	Test Tube Clamp, Stainless-steel, for Φod 10~25mm, L250mm	5,400

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



Thermometer Swivel Clamp, Cast Aluminum, Grip 9~12mm
Ideal for Thermometer and Glass Tube, **온도계용 회전 클램프**

〈L1〉

■ ***Supplied by SciLab Korea*** ∗ Clamp Adjust any Angle with Locking Wing Nut.

		Ea. Price, ₩
SL.Cla7261	Thermometer Swivel Clamp, Capa 9~12mm, Φ23mm Rods, L175mm	13,330



Bochem® Self-Closing Buret and Thermometer Clamp, with Shaft. 0~25mm Grip
With Self-Closing, Aluminum/Chrom Plated, **뷰렛 및 온도계 클램프, "자동그립"형**

〈L1〉

■ ***Supplied by Bochem® in Germany*** ∗ AUTOMATIC with Shaft ; Self-Closing

		Ea. Price, ₩
BC.5624	Buret & Thermometer Clamp, 0~25mm Grip, L 115×Rod Φ8mm	44,490



Double Holder for Thermometer or Tube, PP, Autoclavable
Up to Φ10mm Article, −10℃+125/140℃, **양면 홀더, 온도계 or 시험관용**

∗ The Tubing and Thermometer of O.D 10mm or less can be Supported Simultaneous
∗ It can be used only by attaching Clip part to the beaker

〈L2〉

		Ea. Price, ₩
SL.Cla3091	Double Holder, PP, up to Φ10mm	7,300

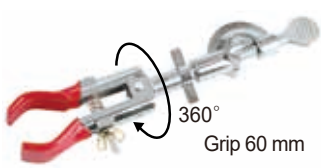


2-prong Mini Clamp & Holder, Grip Capa. Φ25mm
Ideal for Circular and Irregular Object, **미니 클램프 홀더**

〈L1〉

■ ***Supplied by SciLab Korea*** ∗ Zinc-diecasting, Chrome Coated ∗ The Grip is Non-slip PVC Coating

		Ea. Price, ₩
SL.Cla7232	Clamp, 2-prong, Grip Capa.15~25mm, Φ20×L140mm	8,340

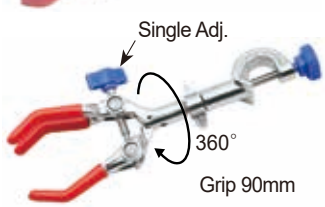


2-prong Single Adjusted Swivel Clamp & Holder, Grip 60mm
Ideal for Circular and Irregular Object, Angle Adjustment-type, **회전형 클램프와 홀더**

〈L1〉

∗ Axis of the Clamp 360°, ±2cm of Length Adjustment is Possible.

		Ea. Price, ₩
SL.CI7101	Clamp, 2-prong, 360°, Grip Capa.14~60mm, Φ20×L170mm	12,900

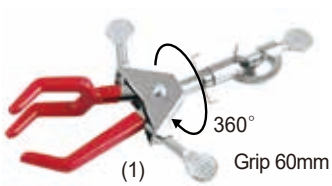


3-prong Single Adjusted Swivel Clamp & Holder, Grip 90mm
Ideal for Circular and Irregular Object, Angle Adjustment-type, **회전형 클램프와 홀더**

〈L1〉

■ ***Supplied by SciLab Korea*** ∗ Axis of the Clamp 360°, ±2cm of Length Adjustment is Possible.

		Ea. Price, ₩
SL.CI7102	Clamp, 3-prong, 360°, Grip Capa.10~90mm, Φ18×L200mm	13,750



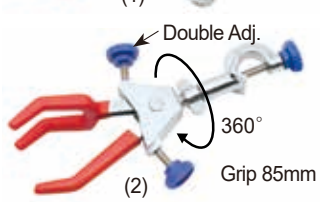
3-prong Double Adjusted Swivel Clamp & Holder, Grip 60 & 85mm
With Non-slip, Clamp to Rotate 360°, Zinc Alloy with Chromed, **회전형 클램프와 홀더**

■ ***Supplied by SciLab Korea*** ∗ Ideal for Circular and Irregular Object. ∗ The Grip is Non-slip Plastic Coating
∗ To Position Your Work Effectively, Shaft Ring Nut Allows Clamp to Rotate 360°

〈L1〉

(1) 60mm-grip 3-prong Double Adjusted

		Ea. Price, ₩
SL.CI7145	Clamp, Swivel, 3-prong, Stainless-steel, Grip Capa. 10~60mm, L230mm	12,900



(2) 85mm-grip 3-prong Double Adjusted, Large

		Ea. Price, ₩
SL.CI7146	Clamp, Swivel, 3-prong, Stainless-steel, Large, Grip Capa. 10~85mm, L200mm	15,830



360° Swivel Clamp & Holder, 2-prong, PVC Grip 20~90mm
Ideal for Circular and Irregular Object, Double Adjustable with Screw Head, **회전형 클램프와 홀더**

〈L1〉

■ ***Supplied by SciLab Korea*** ∗ The Grip is Non-slip PVC Coating

		Ea. Price, ₩
SL.Cla7231	Swivel Clamp, 2-prong, 360°, Capa 20~90mm, Φ18×L200mm	16,670

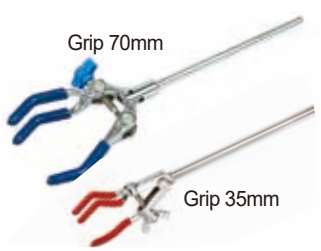


90mm Grip 4 Finger Universal Swivel Clamp & Holder, Screw Angle Adjustment-type
Ideal for Circular and Irregular Object, **회전형 클램프와 홀더**

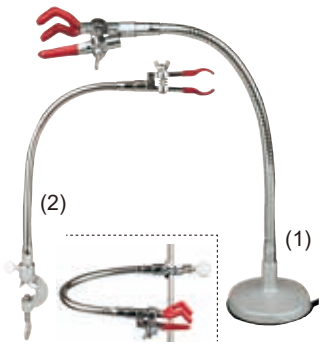
〈L1〉

■ ***Supplied by SciLab Korea*** ∗ Easy Grip Finger-type with Hard Cork

		Ea. Price, ₩
SL.Cla7211	Clamp, Swivel, 4-finger, Stainless-steel, Grip Capa. 0~90mm, L185mm	13,750

Articles	Cat. No	Description	<L1> Ea.	<L1> Price, ₩
 Grip 40mm		**2-prong Clamp,** Cast-Zinc, Grip Capa. 40mm Ideal for Circular and Irregular Object, 2-**가닥형 클램프** ■ ***Supplied by SciLab Korea*** ∗Zinc-diecasting, Chrome-plated ∗The Grip is Non-slip Plastic Coating		
	SL.Cla7235	Holder, Cast-Zinc, Grip Capa. Φ40mm, L230mm		10,020
 Grip 60mm		**SciLab® 2-prong Clamp,** Stainless-steel, Grip Capa. 20~60mm Ideal for Circular and Irregular Object, 2-**가닥형 클램프** ■ ***Made in Korea*** ∗Non-slip Plastic Coated. ∗Clamp Rod Corrosion-resistant Stainless-steel(SS)		
	SL.Cl7121	Clamp, 2-prong, Grip Capa.20~60mm, L230mm		9,550
 Grip 80mm		**SciLab® 3-prong Extension Clamp,** Double Adjustable, Grip Capa. 30~80mm Stainless-steel Rod, Two-way Fasteners-type, 3-**가닥 양방향 조절식 클램프** ■ ***Made in Korea*** ∗Stainless-steel(SS) Rod. ∗The Grip is Non-slip Plastic Coating		
	SL.Cl7201	Clamp, 3-prong, Double Adjustable, Stainless-steel, Small , Grip Capa. 30mm, L245mm		7,800
	SL.Cl7202	, Medium, . 60mm, L280mm		9,400
	SL.Cl7203	, Large , . 80mm, L290mm		10,150
 Grip 70mm Grip 35mm		**3-prong Clamp,** Extension, Single Adjusted, Grip Capa.10~70mm Stainless-steel Rod, 3-**가닥형 클램프** ■ ***Supplied by SciLab Korea*** ∗Stainless-steel(SS) Rod. ∗The Grip is Non-slip Plastic Coating		
	SL.Cl7141	Clamp, 3-prong, Small, Grip Capa. 10~35mm, L190mm		7,520
	SL.Cl7142	, Large, . 20~70mm, L270mm		9,180
 Heavy-duty Grip 80mm		**Bochem® Premium Heavy-duty Universal Finger Clamp,** 0~80mm Grip With Φ12× L180mm Rod, Aluminium, DIN12894, <Germany-Made> **중량 만능 클램프** ∗Heavy-Work, Light Weight(SP.2.7g/㎤) ∗Easy Grip Finger-type with Hard Cork		
	BC.5444	Univer-Clamp, Alu. 0~80mm Grip, with Φ12×L180mm Rod		33,620
 4 Finger Grip 90mm		**90mm Grip 4 Finger Universal Clamp,** Screw Angle Adjustment-type Ideal for Circular and Irregular Object, 4-**가닥형 클램프** ■ ***Supplied by SciLab Korea*** ∗Easy Grip Finger-type with Hard Cork		
	SL.Cla7221	Clamp, 4-finger, Stainless-steel, Grip Capa. 0~90mm, L260mm		9,180
 (1) 4 Finger Grip 75mm (2) 4 Finger Grip 95mm		**4 Finger Universal Clamp,** with Rubber & PVC Jaws, Grip 75 & 95mm Ideal for Large and Irregular Object, 4-**가닥형 장축 클램프** ■ ***Supplied by SciLab Korea*** ∗Stainless-Steel(SS) Rod. ∗The Distance of Clip End Can be Adjusted by Screw.		
		(1) with Rubber Lined Interlock Jaws		
	SL.Cla7241	Universal Clamp, 4-finger, w / Rubber, Capa 20~75mm, L335mm		10,840
		(2) with PVC Lined Interlock Jaws		
	SL.Cla7242	Universal Clamp, 4-finger, w / PVC, Capa 20~95mm, L270mm		5,430
 360°		**4 Finger Universal Iron Clamp,** Grip 20~60mm, 360°Rotated in X-Axis With Non-slip Rubber Jaws, Ideal for Irregular Object, X-**축 회전형 클램프** ■ ***Supplied by SciLab Korea*** ∗Made in Iron with Painting ∗The Grip Non-slip Rubber Coating		
	SL.Cla7251	Universal Color Clamp, 4-finger, Capa 20~60mm, L240mm		4,600
	SL.Cla7252	, L270mm		5,020

※ The Price(VAT is extra) for Korean End-user, and Changeable.



Flexible Long Clamp/Holder, Zinc-diecasting, Vinyl-coated Jaws, L300mm

Clamp Fixed at Different Angles and Positions, <Germany-Made> **플렉시블 장축 클램프와 홀더**

〈L1〉

(1) Base/Stand - type, Flexible, L300mm

		Ea. Price, ₩
US.2670	Clamp, Safety Base type, 3 prong, 60mm-grip	76,580
US.2672	, 2 prong, 50mm-grip	74,790

(2) Clamp Holder Base, Flexible with Bosshead Swivel-type, L300mm

		Ea. Price, ₩
US.2680	Clamp, Clamp holder base type, 3 prong, 60mm-grip	78,250
US.2682	, 2 prong, 50mm-grip	75,740



SciLab® Chain Clamp, for Large Diameter Articles, Grip Capa. Max-Φ165 & 280mm

Steel Zinc Semi-soft Cushion, Chain Length 440 & 800mm, L143×Φ12.7mm Handle, **체인 클램프**

〈L1〉

■ ***Made in Korea*** ■ ***Ideal for Circular and Irregularly-shaped Object***

		Ea. Price, ₩
SL.Cla7501	Chain Clamp, Grip Capa. Max-Φ165mm, Chain L440mm, Handle L143mm	26,000
SL.Cla7502	. Max-Φ280mm, Chain L800mm, Handle L143mm	31,000



Bochem® Premium Silicone-coated Chain Clamp, L70cm-chain, Φ50~160mm Grip

Ideal for Circular and Irregularly-shaped Object, Steel-zinced, <Germany-Made> **실리콘 코팅 체인 클램프**

∗ Silicone Coated Chain : 70cm Length
∗ Handle : L250×Φ12mm

〈L1〉

		Ea. Price, ₩
BC.5485	Chain Clamp, Φ50~Φ160mm Grip	80,950



Stainless-steel Support Ring, for Condenser/funnels, id Φ70~Φ150mm, **써포트 링**

〈L1〉

■ ***Made in Korea***

		Ea. Price, ₩
SL.Su8101	Support Ring, Stainless-steel, id Φ70mm , Overall Length-230mm	3,250
SL.Su8102	, id Φ90mm , -250mm	3,450
SL.Su8103	, id Φ110mm, -275mm	4,350
SL.Su8104	, id Φ130mm, -290mm	4,350
SL.Su8105	, id Φ150mm, -310mm	4,600

With Long Stem L300/310mm, Ring Φ80 & Φ110mm

		Ea. Price, ₩
SL.Su8100	Support Ring, Stainless-steel, id Φ80mm , Overall Length-390mm	8,520
SL.Su8110	, id Φ110mm, -410mm	12,630



SciLab® Stainless-steel Support Ring-Clamp, Φ50~Φ90mm

Ideal for Various Funnel &c., <Korea-Made> **홀딩 링-클램프**

〈L1〉

		Ea. Price, ₩
SL.CI8301	Clamp, Ring, id 50mm, thick 6mm	4,130
SL.CI8302	, id 70mm, 6mm	4,130
SL.CI8303	, id 90mm, 6mm	4,130



SciLab® Φ50~178mm Grip Heavy duty Stainless-steel Ring Clamp Holder

Ideal for Big Condenser & Column Holding, <Korea-Made> **대형 콘덴서 & 칼럼용 홀더**

■ ***Adjustable Grip Diameter with Band Screw Nut.***
∗ Φ13mm Stainless-steel Stem/Rod

〈L1〉

		Ea. Price, ₩
SL.Cla7201	Clamp, SS, Band-type, Grip Capa. Φ50~75mm , Overall 350mm	11,800
SL.Cla7202	Φ85~115mm , Overall 400mm	13,000
SL.Cla7203	Φ150~178mm, Overall 450mm	14,200

Articles	Cat. No	Description

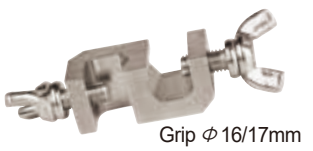

Grip Φ16mm

Clamp Holder, Cast-Aluminium, Grip Capa. Φ16mm, 클램프 홀더

■ ***Supplied by SciLab Korea*** ∗ Suitable for Fixed 90° Angle

〈L1〉

Cat. No	Description	Ea. Price, ₩
SL.Cla7131	Clamp Holder, Cast Aluminum, Grip Capa. Φ16mm, L95mm	4,600


Grip Φ16/17mm

SciLab® Clamp Holder, Nickel-Plated Steel, Grip Capa. Φ16/17mm

Suitable for Fixed 90° Angle, S-type, <Korea-Made> 클램프 홀더

〈L1〉

Cat. No	Description	Ea. Price, ₩
SL.Cla7151	Clamp Holder, Steel, up to Grip Capa. Φ16/17mm, L85mm	4,130


Grip Φ19mm

SciLab® Clamp Holder, Nickel-plated steel, Grip Capa. Φ19mm

Suitable for Fixed 90° Angle, S-type, <Korea-Made> 클램프 홀더

〈L1〉

Cat. No	Description	Ea. Price, ₩
SL.Cla8155	Clamp Holder, Steel, up to Grip Capa. Φ19mm, L120mm	4,130


Grip Φ19mm

Clamp Holder, Cast-Aluminium, Chrome Coated, Grip Capa. Φ19mm, 클램프 홀더

■ ***Supplied by SciLab Korea*** ∗ Suitable for Fixed 90° Angle

〈L1〉

Cat. No	Description	Ea. Price, ₩
SL.Cla7111	Clamp Holder, Cast Aluminum, Grip Capa. Φ19mm, L90mm	5,020

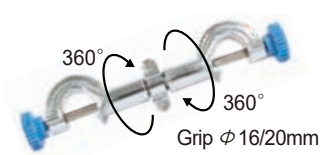

Grip Φ13~25mm

Grip Φ13~25mm Clamp Holder, Cast-Aluminium, Chrome Coated, for Fixed 90°, 클램프 홀더

■ ***Supplied by SciLab Korea***

〈L1〉

Cat. No	Description	Ea. Price, ₩
SL.Cla7121	Clamp Holder, Cast Aluminum, Grip Capa. Φ13mm, L95mm	2,520
SL.Cla7122	Φ16mm, L100mm	3,340
SL.Cla7123	Φ21mm, L110mm	3,770
SL.Cla7124	Φ25mm, L130mm	5,430



Grip Φ16/20mm

360° Swivel Clamp Holder, Cast-Aluminium, Grip Capa. Φ16 & Φ20mm

With Free Angle Adjustment, 회전 클램프 홀더

■ ***Supplied by SciLab Korea***

〈L1〉

Cat. No	Description	Ea. Price, ₩
SL.Cl7159	Swivel Holder, up to Φ16mm Grip, L155mm	9,180
SL.Cl7160	, up to Φ20mm Grip, L160mm	12,720


Grip Φ22mm

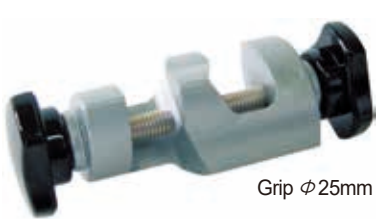
SciLab® Jumbo Clamp Holder, Cast-Aluminium, Grip Capa. Φ22mm

Ideal for Stirrer Rods, 90° angle Connection, <Korea-Made> "점보"홀더

∗ Convenient Special Design, Large Handle

〈L1〉

Cat. No	Description	Ea. Price, ₩
SL.Cla0101	Jumbo Clamp Holder, Aluminium, Φ22mm Grip	14,500


Grip Φ25mm

SciLab® Universal Jumbo Clamp Holder, Cast-Aluminium, Grip Capa. Φ25mm

Ideal for Stirrer Rod, Safety/Strong Grip Power, <Korea-Made> 만능점보홀더

∗ Suitable for Stirrer Rod

〈L1〉

Cat. No	Description	Ea. Price, ₩
SL.Cla8011	Clamp Holder, **"CL200"**, Cast Aluminum, Grip Capa. Φ25mm, L135mm	16,250


Ideal for Reactor Frame, Grip Φ33mm

SciLab® Jumbo Clamp Holder, Cast-Aluminium, 28mm Opening, Grip Hole Φ33mm

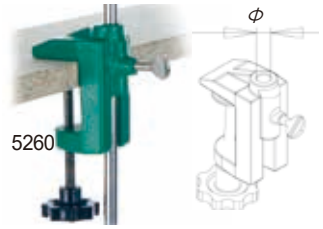
Ideal for Φ27.2mm (or Less) Reactor Frame, <Korea-Made> 자이언트 홀더

∗ Suitable for Reactor Frame

〈L1〉

Cat. No	Description	Ea. Price, ₩
SL.Cla8012	Clamp Holder, **"CL210"**, for **Reactor Frame**, Grip Capa.Φ33mm, L155mm	16,500

※ The Price(VAT is extra) for Korean End-user, and Changeable.

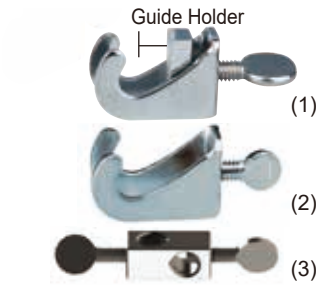


Bochem® Table Clamp, for Φ12/13mm Rods
For Table-Top Thickness up to 55mm, <Germany-Made> 테이블 클램프

∗ Made of Malleable Cast Iron.
∗ For Φ12~Φ13mm Rods, Fit to max 55mm Thick Table-top

〈L1〉

Cat. No		Ea. Price, ₩
BC.5260	Table-top Clamp, for Φ12/13mm Rods	109,600



SciLab® Hook/Square Connector, for Clamps & Lab-Frames
Suitable for Φ12.7mm Pipe & Rod, <Korea-Made> 훅/4각 커넥터

∗ Zinc-diecasting, Nickel coated
∗ Suitable for Φ12.7mm of Standard Pipe & Rod : ex. Assembly Lab Frame

〈L1〉

Cat. No		Ea. Price, ₩
SL.CI0131	(1) **Hook** Connector, 63×20×h30mm, Grip Capa.Φ12.7mm, **with Guide** Holder	3,730
SL.CI0132	(2) , **None** Holder	2,190
SL.CI0135	(3) **Square** Connector, 86×18×h18mm, Grip Capa.Φ12.7mm	4,130



SciLab® Lab-frame Foot, Zinc-diecasting, Nickel coated, for Lab-Frames
Suitable for Φ13mm Pipe & Rod, <Korea-Made> 프레임 다리(풋)

∗ Assembly Lab Frame Foot of Φ13mm Pipe or Rod.

〈L1〉

Cat. No		Ea. Price, ₩
SL.CI0139	Holder Lab-frame Foot, Φ53×h36mm, Grip Capa. Φ13mm, 150g	5,100



Universal Globular Connector, Cast-Aluminium, Grip Capa. Φ12/13mm
Multiuse (T Cross or Parallel) Connection, with Hexagon Socket Screw for L-Wrench, 만능 소/원형 클램프 홀더

■ ***Supplied by SciLab Korea*** ∗ 3mm L-Wrench ; Option

〈L1〉

Cat. No		Ea. Price, ₩
SL.Cla7141	Clamp Holder, Cast Aluminum, Grip Capa. Φ13mm	4,180



Multiuse Connector, Cast-Aluminium, Grip Capa. Φ13/20mm, 만능 클램프 홀더

■ ***Supplied by SciLab Korea***
∗ Cast-Aluminium with Painting
∗ Multiuse (T Cross or Parallel) Connection for Φ13 or Φ20mm Round or Rectangular Rods

〈L1〉

Cat. No		Ea. Price, ₩
SL.Cla7142	Clamp Holder, Cast Aluminum, Grip Capa. Φ13 / 20mm	5,840



SciLab® Adjustable Φ12.7mm Stainless-steel Lab-Frame Set
Height 100cm, Floor or Wall-Mountable, 조립식 실험용 프레임

■ ***Made in Korea*** ■ ***Ideal for Setting of Lab Experiment Line***
■ ***DIY Assembly ; Convenient and Economical***

∗ Φ12.7mm of Stainless-steel(SS) Pipe, Lab-frame Foot Holder, Square Connector Hook, Utilizing the Assembled and Laboratory Frame

※ 운임 별도 〈L1〉

Cat. No		Set. Price, ₩
SL.Fra7101	Lab-Frame, Adjustable, SS, L 60×h100cm, 3×4 Spaces	227,000
SL.Fra7102	, L100×h100cm, 4×4 Spaces	258,000
SL.Fra7103	, L120×h100cm, 5×4 Spaces	282,000
SL.Fra7104	, L150×h100cm, 6×4 Spaces	316,000
SL.Fra7105	, L200×h100cm, 8×4 Spaces	392,000

SciLab® Φ27.2mm Pipe/Rod Connector for Multi-use Lab Frames

Ideal for Reactor Support Frame, Rustless, **다용도 파이프 커넥터,** Φ27.2용, **"반응조용 프레임" 제조에 최적**

■ ***Made in Korea*** ■ ***Made of Zinc Cast Iron***


(1) "T" Socket Tee

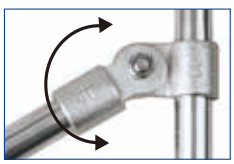

(2) Side Outlet Tee


(3) Crossover Tee


(4) Setting Board Holding Tee


(5) Caster, Φ127mm(5″)


(6) Foot


(13) 180° Angle Adjustable Connector

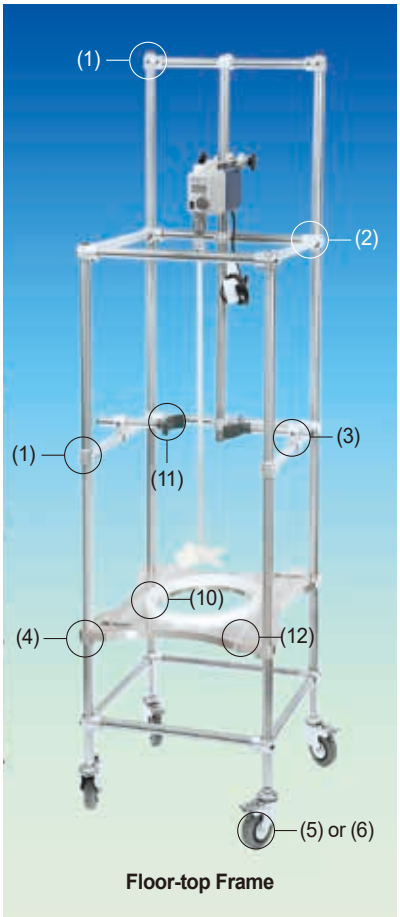

(8) Φ27.2 Pipe Closure Plug


(7) Setting Screw


(9) Hex Wrench, M6

〈B4〉

Seg. No.	Cat. No.	Description	Ea. Pirce, ₩
(1)	SL.Con8011	"T" Socket Tee, Cast Iron, Φ27.2mm	34,400
(2)	SL.Con8012	Side Outlet Tee, Cast Iron, Φ27.2mm	39,900
(3)	SL.Con8013	Crossover Tee, Cast Iron, Φ27.2mm	34,900
(4)	SL.Con8015	Setting Board Holding Tee, Cast Iron, Φ27.2mm	38,750
(5)	SL.Cas3011	Caster, Φ127mm(5″), Rubber, Lockable	30,750
(6)	SL.Con8014	Foot, Cast Iron, Φ27.2mm	22,880
(7)	SL.Con8016	Set Screw M12, Steel	880
(8)	SL.Cap3011	Φ27.2 Pipe Closure Plug. PE	250
(9)	SL.Con8017	Hex. Wrench, Stainless-steel, M6mm	700
(13)	SL.Con8020	180° Angle Adjustable Connector, Φ27.2mm	54,000

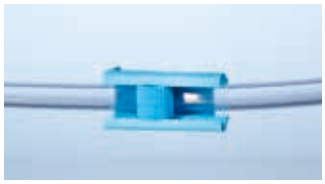


Floor-top Frame

▶ Figure : Reactor Frame

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



DURAN® Plastic Tubing Clamp, POM, for up to O.D 4.5~14mm Tubes
With Color Code, KT-model, KECK® 플라스틱 튜빙-클램프

■ ***Supplied by DURAN® in Germany***

〈L6〉

Cat. No		Ea. Price,₩	Pk.	Price, ₩
SM.28633810	Clamp, KT, up to - Φ4.5mm, Red	5,150	10ea	51,430
SM.28633820	- Φ6.0mm, Yellow	7,720	10ea	77,080
SM.28633830	- Φ10mm , Blue	8,000	10ea	80,000
SM.28633840	- Φ14mm , Red	8,270	10ea	82,530



Burkle® Squeeze-Fix Hose Clamp, Acetal, Permanently Elastic, L25~55mm
For O.D 1~15mm Hose, One Hand Operation, Hygienic, Autoclavable, 압박 호스 클램프

■ ***Supplied by Burkle® in Germany***
■ ***Squeeze in Phases or Completely Compress the Hose, as required.***

〈L1〉

Cat. No		Ea. Price, ₩	Cs. Price, ₩
BK.8618.0001	Acetal Squeeze Hose Clamp, for Φ1~ 5mm Hose, L25mm	1,770	100ea
BK.8618.0002	, for Φ3~10mm Hose, L40mm	4,450	100ea
BK.8618.0003	, for Φ6~15mm Hose, L55mm	6,520	100ea



Tubing Clamp, Nickel-plated Steel, Up to Φ13mm Tubing
Pinchcock, Mohr-type, Strong Self-closing, 핀치콕 튜빙 클램프

■ ***Made in Korea***

〈L1〉

Cat. No		Ea. Price, ₩
SL.CI7350	Pinchcock, up to od Φ13mm Tubing	3,100



Tubing Screw Clamp, Hoffmann Type, with Flap
Brass with Chromed, Up to Φ50mm Tubing, 튜빙 스크류 클램프

■ ***Supplied by SciLab Korea***

〈L1〉

Cat. No		Ea. Price,₩
SL.Cla7301	Hoffmann Cock, up to odΦ12mm	4,930
SL.Cla7302	, up to odΦ17mm	5,380
SL.Cla7303	, up to odΦ20mm	5,680
SL.Cla7304	, up to odΦ25mm	8,550
SL.Cla7305	Hoffmann Cock, up to odΦ30mm	9,140
SL.Cla7306	, up to odΦ40mm	9,640
SL.Cla7307	, up to odΦ50mm	21,420



Bochem® Tubing Clamp Forceps, Stainless-steel #430, L140~180mm
With Ridges at the Top(Serrated), Rust-proof, Finished Surface, <Germany-Made> 튜빙 클램프 포셉

〈L1〉

Cat. No		Ea. Price, ₩
BC.2291	Tubing Clamp Forceps, Serrated, Straight, L140mm, Blade L40mm	25,340
BC.2292	, L160mm, Blade L45mm	28,240
BC.2293	, L180mm, Blade L55mm	31,900



Stainless-steel Tubing Band, with Adjusting Screw Nut, Grip Φ6~250mm
Good for Heavy-Duty, Rustless, Thickness : 0.6/0.7mm, 스텐 튜빙 밴드

〈B3〉

Cat. No		Pk. Price,₩
0338-403	Width 8, Grip-Φ6~16mm	10ea 1,930
0338-405	-Φ6~22mm	10ea 1,930
0338-407	Width 13, Grip-Φ11~25mm	10ea 3,670
0338-408	-Φ13~32mm	10ea 3,970
0338-409	-Φ13~38mm	10ea 4,080
0338-411	Width 14, Grip-Φ26~50mm	10ea 4,540
0338-415	-Φ40~76mm	10ea 5,310
0338-420	-Φ80~125mm	10ea 9,490
0338-424	-Φ150~178mm	10ea 12,160
0338-425	-Φ190~220mm	10ea 15,120
0338-426	-Φ220~250mm	10ea 16,670

Articles	Cat. No	Description



Anabac® Deodorant "Classic" for Autoclaving, 100 Tablets
Ideal for Deodorization, Deodorant Capacity : max 200Lit per One-tablet, **사과향 오토클레이브용 탈취제**

■ 오토클레이브에 1알을 넣고 스위치를 켜면 내부의 불쾌한 냄새를 제거

∗ French Bracing Fragrance ∗ 100 Tablets / Packed in PP/Paper Container
∗ Deodorant Volume : Max 200Lit per 1-Tablet

〈L2〉

Pk.	Price, ₩
100ea	239,040

SL.Deo1011 Deodorant for Autoclave Apple, 100 Tablets/a Container

, Clean Room 크린룸 청소용품



Non-Woven Wiper, Class 10

AnyClean™ Non-Woven Wiper for Clean Room, 228×228mm, Class 10, 크린룸용 부직포와이퍼

■ Supplied by DAIHAN Korea
■ 크린룸 Class 10에서 생산 & 포장된 크린룸 전용 와이퍼
■ 침수성이 탁월하고 흡수력 및 닦임성이 뛰어남
■ 거친면에 사용하여도 보푸라기가 일어나지 않아 오염을 최소화함
■ Production and Packaging according to Class 10
■ 반도체 및 Display 공정의 세척용으로 사용
■ 다양한 작업환경에 적합
■ 정전기 방지

∗ Low Particle & Lint, High Absorbency ∗ Suitable for Wiping in Clean Room ∗ Anti-static
∗ Thickness : 0.336mm ∗ Excellent Wiping Ability and Absorption Capacity

〈L1〉

Pk.	Price, ₩
300sheets	18,680

DH.Wip3011 Wiper, for Clean Room, Non-Woven, 228×228mm, 300sheets/Pk.



100/Pk.

Polyester Wiper, Class 10

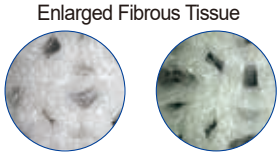
AnyClean™ Polyester Wiper for Clean Room, 228×228mm, 0.44 & 0.52mm-thick, Class 10
Made of Polyester(100%), High Absorbency & Low Lint, **크린룸용 와이퍼, 정전기 방지**

■ Supplied by DAIHAN Korea
■ 크린룸 Class 10에서 생산 & 포장된 크린룸 전용 와이퍼
■ 크린룸 안의 장비 Cleaning 및 반도체 FAB, LCD, 생명공학 공정에 세척용으로 사용
■ Anti-static ***■ Production and Packaging according to Class 10***

∗ Laser Cutting : Low Particle & Lint ∗ 100sheets/Pk. ∗ Suitable for Wiping in Clean Room
∗ Easily Wipes Up Liquid and Dust ∗ Excellent Chemical Resistance.

〈L1〉

Enlarged Fibrous Tissue



(1) Double Knit (2) Interlock

Spec. \ Model	(1) DH.Wip3001	(2) DH.Wip3002
Size / Thickness	228±10mm / 0.52±0.03mm	228±10mm / 0.44±0.03mm
Weight	Min 140g / m²	Min 120g / m²
Air Particle > 0.3㎛	Max 80EA / SH	Max 200EA / SH
Absorbency	Min 340g / m²	Min 320g / m²
Absorption Speed	Max 8 sec	Max 8 sec
Fibrous Tissue	Double Knit	Interlock
Cat. No.	**DH.Wip3001**	**DH.Wip3002**
Price, Pk. ₩	**19,020**	**17,720**



100/Pk.

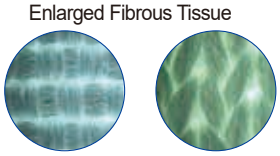
AnyClean™ Micro Denier Wiper for Clean Room, 228×228mm, 0.22~0.43mm-thick, Class 10
Made of Polyester, Anti-Static, High Absorbency & Low Lint, **크린룸용 극세사 와이퍼, 정전기 방지**

■ Supplied by DAIHAN Korea
■ 크린룸 Class 10에서 생산 & 포장된 크린룸 전용 와이퍼
■ 크린룸 안의 장비 Cleaning 및 반도체 FAB, LCD, 생명공학 공정에 세척용으로 사용
■ Production and Packaging according to Class 10
■ 초극세사 사용으로 흡수력, 닦임성이 뛰어남
■ 렌즈, 글라스등 민감한 표면 세척에 사용

∗ Laser Cutting : Low Particle & Lint ∗ High Absorbency
∗ Suitable for Wiping in Clean Room ∗ Delicate, Sensitive Surfaces Cleaning without Scratches
∗ 100sheets/Pk. ∗ Idea for Cleaning Sensitive Optical and Photomask Surfaces

〈L1〉

Enlarged Fibrous Tissue



(1) Plain Weave (2) Knit



(3) Interlock

Spec. \ Model	(1) DH.Wip3006	(2) DH.Wip3007	(3) DH.Wip3008
Size / Thickness	228±10mm / 0.22±0.03mm	228±10mm / 0.43±0.03mm	228±10mm / 0.36±0.03mm
Weight	Min 95g / m²	Min 190g / m²	Min 160g / m²
Air Particle > 0.3㎛	Max 70EA / SH	Max 100EA / SH	Max 100EA / SH
Absorbency	Max 150g / m²	Min 350g / m²	Min 240g / m²
Absorption Speed	Max 7 sec	Max 12 sec	Max 10 sec
Fibrous Tissue	Plain Weave	Knit	Interlock
Cat. No.	**DH.Wip3006**	**DH.Wip3007**	**DH.Wip3008**
Price, Pk. ₩	**24,020**	**38,550**	**26,220**

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



Bemcot® High-Class Clean Wiper for Clean Room, Tissue-type
Made of Cellulose(100%), 100×210mm, **크린룸 전용 와이퍼**

■ 크린룸용 와이퍼 ***■ 우수한 흡수율과 흡수 속도***

∗ Suitable for Wiping in high Grade of Clean room
∗ Excellent in Liquid Absorption Rate and Speed, Solvent Resistance

〈L2〉

		Pk.	Price,₩	Cs.	Price, ₩
SL.Wip3091	"PS-2" Clean Wiper, for Clean Room, 100×210mm	300ea	17,790	48pk	790,070



Kimtech® Pure Wiper for Clean Room, Low-Lint, Absorbent, Antistatic
Made of Non-Woven(Polypropylene), Basic-grade & Premium, **퓨어 와이퍼, 정전기 방지**

■ 정교한 표면을 흠집 없이 깨끗하게 세정 및 제거함
■ 3 Layers : (1) Covering : Long Fiber, (2) Absorbing : Short Fiber, (3) Special Embossing

∗ Extra Low Lint : Delicate surface cleaning without scratches

〈L3〉

		Pk.	Price,₩	Cs.	Price, ₩
Y2.42111	Kimtech® Pure Wiper, Basic-grade, 290×300mm, 50 Sheets/Pk.	50sheet	7,670	10pk	70,880
Y2.42131	, Premium , 228×228mm, 50 Sheets/Pk.	50sheet	7,390	20pk	136,690



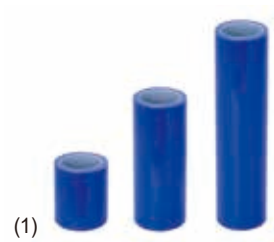
Wisd™ Science Wiper, Non-Fluorescence Pulp, Low-Lint/Good Absorbent/Anti-Static
Using on Lab · Electronics · Optical, **사이언스 크린 와이퍼, 로우린트 정전방지형**

■ Made in Korea ***■ Made of Non-Fluorescence Pulp***
■ 흠집 없이 오염 물질 & 먼지 제거 ***■ 실험실, 전자제품, 정밀기기에 적합***

∗ One-at-a-time Dispensing
∗ Use for Wiping Polishing Glassware, Cleaning Instruments, and Delicate Surfaces in Laboratory
∗ Soft and Absorbent Wiper, Resists Scratching Sensitive Surfaces

※ **Cs. 운임 별도** 〈L1〉

		Pk.	Price,₩	Cs.	Price, ₩
DH.Wi9011	*Wisd*™ Science Wiper, 215×215mm, 200Sheet / Pk.	200sheet	2,730	30pk	75,350



(1)

Sticky Roller & Handle, for Clean Room, Class 1000, w10~30cm, L18m, 50㎛ thick
Ideal for Removal Dust, High Adhesion, Lint-Free, **크린룸용 스티키 롤러 & 핸들**

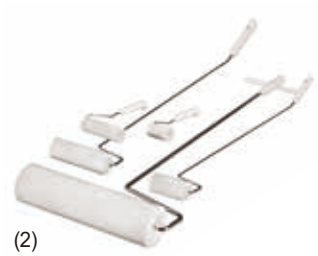
■ Supplied by DAIHAN Korea ***■ Cleanroom 바닥이나 제품 및 의류의 먼지 제거용으로 매우 용이함***

∗ Too Clean Because the Adhesives does not Adhere to the Object. ∗ Easy to Peel with a Cutoff Line.

(1) Sticky Roller, PE, 10~30cm

〈L1〉

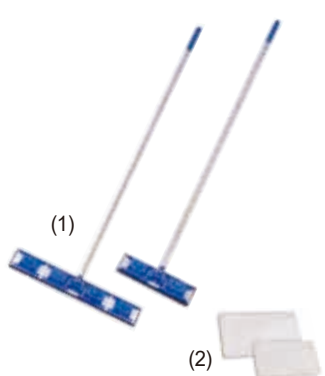
		Ea.	Price, ₩
DH.Rol3001	Sticky Roller, Clean Room, w10cm×L18m, Blue		2,380
DH.Rol3002	, w15cm×L18m, Blue		3,170
DH.Rol3003	, w20cm×L18m, Blue		5,090
DH.Rol3004	, w25cm×L18m, Blue		6,270
DH.Rol3005	, w30cm×L18m, Blue		5,800



(2)

(2) Roller Handle, with Plastic Handle, 10~30cm

		Ea.	Price, ₩
DH.Rol3011	Roller Handle, Clean Room, 10cm		2,700
DH.Rol3012	, 15cm		3,090
DH.Rol3013	, 20cm		3,440
DH.Rol3014	, 25cm		6,080
DH.Rol3015	, 30cm		4,740



(1)

(2)

Apro® PE Mop Cleaner, for Clean Room, Class 1000, **크린룸 밀대**

■ 흡수성이 뛰어나며 오염 물질 및 이물질 제거에 탁월함

∗ Handle : Various Size, Adjustable Length ∗ Absorbent : Laundry is Available

(1) Mop, PE, h1,530mm

〈L3〉

		Ea. Price,₩	Cs.	Price, ₩
A7.CC300	Cleaner, 90×300×h1,530mm	67,500	10ea	
A7.CC600	, 90×600×h1,530mm	94,500	10ea	

(2) Mop Pad, 440 & 660mm

∗ Inner Skin : Cotton 100%, Cover : Polyester 60% + Cotton 40%

		Ea. Price,₩	Cs.	Price, ₩
A7.CW440	Cleaner, 230×440mm	4,050	100ea	
A7.CW660	, 230×660mm	5,400	100ea	

Articles	Cat. No	Description



Wisd™ Science Wiper

Wisd™ Science Wiper, Non-Fluorescence Pulp, Low-Lint/Good Absorbent/Anti-Static
Using on Lab · Electronics · Optical, 사이언스 크린 와이퍼, 로우린트 정전방지형

- ***Made in Korea***
- ***흠집없이 오염물질 & 먼지 제거***
- ***Made of Non-Fluorescence Pulp***
- ***Easily wipes up Liquid and Dust***
- ***실험실, 전자제품, 정밀기기에 적합***
- ***Antistatic, Low Lint, Solvent Acceptable***
- ***Using On Lab, Electronics, and Opticals***

∗ Use for Wiping Polishing Glassware, Cleaning Instruments, and Delicate Surfaces in Laboratory
∗ One-at-a-time Dispensing
∗ Soft and Absorbent Wiper, Resists Scratching Sensitive Surfaces

※ Cs. 운임 별도 〈L1〉

Pk.	Price,₩	Cs.	Price, ₩
200sheet	2,730	30pk	75,350

DH.Wi9011 *Wisd*™ Science Wiper, 215×215mm, 200Sheet / Pk.



Wisd™ Facial Tissue, 100% Virgin Natural Pulp, 2-Layer, 210×200mm
Non-Fluorescence · Fragrance · Dye, 250 Sheets, 미용티슈

- ***Made in Korea***
- ***100%천연펄프, 무향·무잉크·무형광증백제***

∗ Made of 100% Virgin Natural Pulp ∗ Softly Comfort Skin
∗ Non-Fluorescence · Non-Fragrance · Non-Dye ∗ 2-Layer

※ Cs. 운임 별도 〈B4〉

Pk.	Price,₩	Cs.	Price, ₩
3ea	5,450	8pk	40,280

DH.Tis901 Facial Tissue, Soft Comforts Skin, 210×200mm, 250 Sheets/Ea



(1) Sheet 형 (2) 6 Roll Set 형

Wisd™ Popular Kitchen Towel, Sheet- & Roll-type, Low-Lint, Non-Fluorescence, Non-Toxic
Made of 100% Virgin Natural Pulp, 2-Layer, 범용 키친타올, 시트타입 & 롤 타입

- ***Made in Korea***
- ***무형광의 100% 천연펄프로 위생적이며 안심하고 사용 가능***
- ***Low-Lint, Excellent Tear Resistance***

∗ Multi-Use in Household · Industry · Laboratory

※ Cs. 운임 별도 〈B4〉

(1) Sheet-type, 215×213mm, 130Steets

Pk.	Price,₩	Cs.	Price,₩
130sheet	1,900	12pk	20,960

DH.Tis906 Kitchen Paper Towel, Sheet-type, 2-Layer, 130Sheets

(2) Roll-type, 114×216mm, 130Sheets/roll×6

Pk.	Price,₩	Cs.	Price,₩
6roll	4,740	4pk	17,540

DH.Tis908 Kitchen Paper Towel, Roll-type, 2-Layer, 130Sheets/roll×6

NEW



Scott® Antibiosis Foodservice Towel, Reusable, Low-Lint, 300×345mm
Made of Yellow Thick Hydroknit Pulp, Ideal for Foodservice, 항균 푸드서비스 타올

- ***부드러우며 흡수가 빠르고 높은 내구성과 강도의 고성능 Hydroknit 천연펄프 소재***

〈B4〉

∗ Low Lint, Absorbent ∗ Excellent Durability, Heavy-duty

Pk.	Price,₩	Cs.	Price,₩
50sheet	13,470	9pk	112,120

Y2.4235604 Scott® X80 Food Towel, Yellow, 300×345mm

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



5Lit

Lipsol® Concentrate Alkaline Detergent, for Labware, 5Lit, 실험기구용 고농축 알카리성 세제

■ ***Supplied by Lipsol® in UK*** ■ ***pH10.7***

∗ Free of Chlorine Bleaches, Phosphates and Enzymes
∗ Excellent Cleaning Performance, Ideal for Use with Laboratory Glassware, Plasticware, Rubber, Ceramics and Stainless-steel
∗ Non-corrosive, Non-irritant and Totally Biodegradable Surface-active Cleaning Agent

〈L1〉

		Pk.	Price, ₩	Cs.	Price, ₩
Py.40023	Lipsol Concentrate Alkaline Detergent, 5Lit	5Lit	89,600	2cans	165,920

NEW



5Lit
1Lit

deconex® Ultrasonic Cleaning Special Detergent, 1 & 5Lit

Ideal for Max. Effect of the Ultrasonic Cleaning, Optimum Cleaning Results, 초음파 세척기 전용 세척제

■ ***Made in Switzerland*** ∗ Specially Developed for Ultrasonic Applications, Running 5 to 15 minutes for Ultrasonic Cleaning

(1) deconex®, 11 Universal Cleaner, Mildly Alkaline, with activated chlorine, 1 & 5Lit

∗ Ingredients : Alkalis, Surfactants, Inorganic Chlorine Carrier
∗ For All Materials ∗ Gentle Cleaning ∗ Mildly Alkaline, pH 11.8 at 1%
∗ Not suitable for : Aluminium, zinc, tin ∗ Concentrate ∗ Dosage : 1~5%
∗ Contamination : General Contamination, Oily and Greasy Residues, Soot, Ink, Drilling, Grinding, Polishing and Lapping Residues, etc.

〈L1〉

		Pk.	Price, ₩
DH.Det001	Cleaner, Universal, Mildly Alkaline, 1Lit	1Lit	41,250
DH.Det002	, 5Lit	5Lit	196,880

(2) deconex®, 15 PF-x Cleaner, Alkaline, Phosphate-free, 5Lit

∗ Ingredients : Alkalis, Complexing Agents, Surfactants, Solubilizer
∗ For All Materials ∗ Gentle Cleaning ∗ Mildly Alkaline, pH 11.9 at 1%
∗ Not suitable for : Aluminium, zinc, tin ∗ Concentrate ∗ Dosage : 1~5%
∗ Contamination : General Contamination, Oily and Greasy Residues, Dried Blood, Proteins, etc.

		Pk.	Price, ₩
DH.Det005	Cleaner, Universal, Alkaline, 5Lit	5Lit	271,880

(3) deconex®, 16 PLUS Cleaner, pH Neutral, for Corrosion-Sensitive Materials, 5Lit

∗ Ingredients : Surfactants, Complexing Agents, Sequestering Agents
∗ For Corrosion-Sensitive Laboratory Material and Instruments
∗ Does not Contain Alkalis ∗ Concentrate ∗ Dosage : 3~5%

		Pk.	Price, ₩
DH.Det008	Cleaner, Universal, pH Neutral, 5Lit	5Lit	225,000

Articles	Cat. No	Description



Cleanwrap® Heat Resistant Clean Melamine Wiper, with Water only, −20℃+150℃
NO-Need Detergent!, Eco-Friendly, Reusable, **물로만 크리너, 세정제 불필요!**

∗ Excellent Effect on Scribbling by Children, which is Hard to Clean
∗ Washes Stains with Water Only : No-Need for Cleaner Single Side / Double Side

〈B4〉

		Pk.	Price, ₩	Cs.	Price, ₩
C10.701	Cleaner, Single Side, 60×110×h30mm	2ea	1,620	60ea	89,340
C10.702	, Double Side A, 60×110×h40mm	2ea	1,650	60ea	91,250
C10.703	, Double Side B, 70×110×h30mm	4ea	2,970	60ea	164,860



Cleanwrap® Dish Towel, 100% Natural Cotton, Reusable, **크린랩 행주, 재사용**

∗ Reusable ∗ No Discoloration ∗ Soft feel and Powerful absorption by weaving with Hi-quality Cotton Thread
∗ No Hazardous Materials used Such as Fluorescent Bleaching Agent

〈B4〉

		Pk.	Price,₩	Cs.	Price, ₩
C10.601	White Dish Towel, 270×340mm, 1Pcs/Pk		1,250	200pk	230,050
C10.602	, 2Pcs/Pk		2,240	100pk	206,760
C10.603	, 3Pcs/Pk		3,060	100pk	282,600
C10.604	Colored Dish Towel, 270×340mm, 3Pcs/Pk		3,260	100pk	301,530



Cleanwrap® Disposable Scrubber, Roll-type, Thick Embossing Fabric, 230×225mm
Antibacterial Treatment, Convenient Use, 50 Sheets, **일회용 수세미**

■ ***두꺼운 엠보싱 원단으로 하루 한장 편리한 사용***
∗ Meltblown Material
∗ Antibacterial Test Completed
∗ Thick Embossing Fabric
∗ Powerful Removal of Scraps
∗ Convenient Use
∗ Take One Piece at a Time

〈B4〉

		Pk.	Price, ₩	Cs.	Price, ₩
C10.512	Disposable Scrubber, Roll-Type, 230×225mm, 50 Sheets	50sheets	3,560	15pk	49,250



Cleanwrap® Scrubber, Natural Cellulose, Long-term Use, 115×90×23mm
Antibacterial Treatment, Rich Foam, Excellent Design, SF-Mark, **셀룰로즈 수세미**

■ ***부드러운 셀룰로즈와 강력한 나일론의 이중기능***
∗ SF-Mark : Sanitary Processing Marks for Antibacterial and Odo
∗ Excellent Design for Cleaning Corners ∗ Rich foam
∗ Double Function of Rough Soft Celluose & Rough Nylon
∗ Natural Cellulose
∗ Antibacterial Test Completed

〈B4〉

		Pk.	Price, ₩	Cs.	Price, ₩
C10.515	Cellulose Scrubber, 115×90×23mm	1ea	1,710	100pk	157,250



3M® Scotch® Multi-purpose Duster, Ergonomic Design, with ABS Handle, Overall L285mm
Ideal for Remove Dirt in Grout, Easy to Use, **다용도 먼지떨이개**

■ ***먼지 흡착 특수오일 코팅으로 틈새 먼지 청소 가능, 교체형 리필로 위생적인 청소 및 청소도구 관리 가능***
∗ Material : Head-Polyolefine+Polyester, Handle-ABS
∗ Suitable for Cleaning Ceilings, Wall, Shelves, Key-board, and Furniture
∗ Handle Color will be Delivered Randomly

〈B4〉

		Pk.	Price, ₩	Cs.	Price, ₩
3M.02.2045	Duster, Multi-use, Bristle w80×160mm, Overall L285mm	1ea	3,440	8pk	26,640
3M.02.2046	, Refill, Bristle w80×160mm	2ea	3,720	8pk	28,860



3M® Scotch® Lint Roller, I-type & Refill, Excellent Adhesion, Easy to Peel
Ideal for Clothes · Carpets · Floors · Car Seats, Special PP Tape, **린트롤러**

■ ***우수한 접착력을 유지하며 깨끗하게 한장씩 뜯어 사용하기 편리***
∗ Effectively Remove Dust on Clothes, Carpets, Floors, Car Seats, Contaminants, and Pet Hair

〈B4〉

		Pk.	Price, ₩	Cs.	Price, ₩
3M.02.2006	(1) Lint Roller, I type , 101mm×14.3m (30sheet)	1ea	6,230	12pk	
3M.02.2008	(2) , Refill , 101mm×14.3m (85sheet)	2ea	10,380		



3M® Scotch® Large Tape Roller, T-type & Refill, w160mm×L8m Roller
Ideal for Bed · Clothes · Car · Sofa · Carpet · Hair · Fur, **대형 테이프 클리너**

∗ Adhesives Used in Baby Diapers Harmless to the Human Body.
∗ Outstanding Sticky, Perfect Cleaning ∗ Roll-type, Easy to Peel

〈B4〉

		Pk.	Price, ₩	Cs.	Price, ₩
3M.02.2009	(1) Roller, T-type, 160mm×8m (50sheet)	1ea	12,520	8pk	
3M.02.2010	(2) , Refill, 160mm×8m (70sheet)	2ea	8,580	8pk	

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles | Cat. No | Description


(1) Basic (2) Stoppered

SciLab® Tall-form Nessler Tube, Color Comparison, 2 pcs Matched Set, 25/50 & 50/100㎖
With Optically Plane Bottom, Borosilicate Glass 3.3 장형 비색관, 2개 매치 세트

■ *Made in Korea* ■ *with Graduation : 25/50, 50/100㎖ ; A-Class Tolerance*

〈L3〉

(1) Basic-type

Cat. No		Pk.	Price, ₩
SL.Col2001	Nessler Tube, Tall, 25 / 50㎖ , Φ24×h180mm	2ea	11,700
SL.Col2002	, 50 / 100㎖, Φ30×h220mm	2ea	16,250

(2) With Joint Stopper

Cat. No		Pk.	Price, ₩
SL.Col2004	Nessler Tube, Tall, 19/26 Stopper, 25 / 50㎖ , Φ24×h250mm	2ea	22,100
SL.Col2005	, 24/29 Stopper, 50 / 100㎖, Φ30×h290mm	2ea	29,250



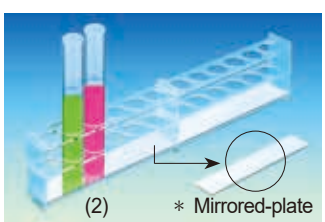
MBL® Premium Short-form Nessler Tube, Color Comparison, 2 Pcs Matched Set, 50 & 50/100㎖
Shadow-Less Bottom, Blue Scale, 프리미엄 비색관 세트

■ *Made in UK*

〈L1〉

∗ A-Class Tolerance, Free from Color or Visible Defects.

Cat. No		Pk.	Price, ₩
Mb.CRC320	Nessler Tube, 2pcs Match, 50㎖ , tol. ±0.4㎖, Φ 26×h150mm	2ea	19,170
Mb.CRC322	, 50 / 100㎖, tol. ±0.8㎖, Φ 34×h180mm	2ea	28,550


(2) ∗ Mirrored-plate

Colorimetric Nessler Tube Rack, Acrylic, for 50 & 100㎖ Tubes of Φ27 & 32mm
With 12 Holes & Mirrored-plate, Clear, −40℃+90℃ Stable, 아크릴 비색관 랙

■ *Supplied by SciLab Korea* ■ *with detachable Mirrored-plate* ∗ Provide Clear View of the Tube Contents

〈L1〉

∗ The Lower Part of the Tube can be clearly seen through the Mirrored-plate

Cat. No		Ea.	Price, ₩
SL.Rac3193	(1) Tube Rack, Acrylic, For-50㎖ , Φ27 mm×12 holes, 401×38×h105mm		20,840
SL.Rac3194	(2) -100㎖, Φ32 mm×12 holes, 460×44×h106mm		25,000



SciLab® Nessler Tube Stand, Stainless-steel, 10-Hole, with Acrylic-plate
For 50 & 100㎖ Nessler tube, 스텐선 비색관대

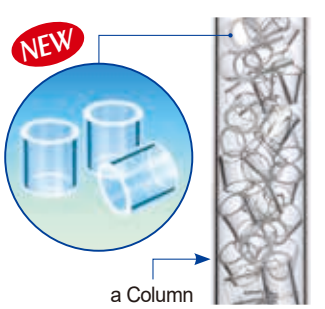
■ *Made in Korea* ■ *Nessler tube stand with white opaque reflector set at an angle below tubes.*

〈L1〉

∗ Attached White Acrylic Plate to Increase Colorimetric Effect.

Cat. No		Ea.	Price, ₩
SL.Sta7041	Tube Stand, for 50㎖ Nessler tube , 10-holes, 330×92×h165mm		24,800
SL.Sta7042	, for 100㎖ Nessler tube, 10-holes, 390×105×h200mm		26,800

Columns 칼럼



SciLab® Column Packing Glass Rings, "Raschig Rings", Φ7×L7~Φ11×L11mm
Made of Boro Glass 3.3 for Contamination-free, 250g in a PET Bottles, 칼럼충진용 글라스링

■ *Supplied by SciLab Korea*
■ *Ideal For Column Filler(Packing) or For Boiling Efficiency.*



〈L1〉

∗ Manufactured from Boro Glass 3.3 for Contamination-Free Performance
∗ 250g Packed in a PET Bottles.

Cat. No		Pk.	Price,₩
SL.Gla2069	Raschig Rings, Boro Glass 3.3 Tube, 250g /a PET Bottle, Φ7×L7mm	250g	118,920
SL.Gla2070	, Φ9×L9mm	250g	120,310
SL.Gla2072	, Φ11×L11mm	250g	123,750



※ More Details ;
See The "Glass Beads" Section!

SiLiBeads® M-type Glass Bead, Soda Glass Solids, PbO-Free, Φ1.5~10 mm <Germany-Made> 글라스 비드

〈L1〉

Cat No.	Dia. Size Φ(mm)	Accuracy Φ(mm)	Bulk Density (kg / Lit)	Amount of Beads, Pcs/Kg	Price / ₩	
					500g/Bottle	20kg/Cs.
Sl.5002	1.5 mm	±0.2 mm	1.50	226,300 pcs/kg	11,730	360,130
Sl.5003	2.0 mm	±0.2 mm	1.50	95,500 pcs/kg	11,730	360,130
Sl.5005	3.0 mm	±0.3 mm	1.50	28,300 pcs/kg	11,730	360,130
Sl.5009	4.0 mm	±0.3 mm	1.50	11,900 pcs/kg	13,530	415,530
Sl.5011	5.0 mm	±0.3 mm	1.50	6,100 pcs/kg	13,530	415,530
Sl.5012	6.0 mm	±0.3 mm	1.48	3,540 pcs/kg	13,530	415,530
Sl.5013	7.0 mm	±0.3 mm	1.48	2,230 pcs/kg	13,530	415,530
Sl.5014	8.0 mm	±0.4 mm	1.48	1,490 pcs/kg	13,530	415,530
Sl.5016	10.0 mm	±0.5 mm	1.45	760 pcs/kg	8,320	255,390

*-mark Special sizes upon request. All data are reference values.

Articles	Cat. No	Description



1kg 25kg

Merck® Silica Gel 60, Reliable Silica Gel for Normal-phase Chromatography & Adsorption Process For Purification & Separation, 최상의 실리카겔

■ ***Supplied by Merck® in Germany.*** ■ ***CAS No. : 7631-86-9, EC Number : 231-545-4***

■ ***Widely used in Separation Processes to Purify High Value Compounds in Ton Quantities***

∗ Lab Scale Separations : Wide Range of Separations/Purifications on Lab Scale. Packing Material for Flash Cartridges.

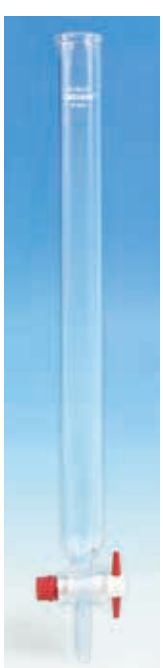
∗ Electronic Industry : Purification of Organic Compound and Liquid Crystals. ∗ Cosmetics : Functional Filler/Additive. 〈L3〉

∗ Biopharma/Pharma Production : Purification of APIs, Hormones, Antibiotics, Peptides

Cat. No	Description	Pk.	Price, ₩
MK.107734.1000	Silica Gel 60, 0.063~0.200mm, 70~230 Mesh ASTM, 1kg/Pk	1kg	135,000
MK.107734.9025	, 25kg/Pk	25kg	1,274,070
MK.109385.1000	, 0.040-0.063mm, 230-400 Mesh ASTM, 1kg/Pk	1kg	185,630
MK.109385.9025	, 25kg/Pk	25kg	1,746,570



(1) with Filter, PTFE Stopcock



(2) without Filter, PTFE Stopcock

SciLab® DURAN glass Chromatography Column, with DURAN® PTFE Stopcock boro Φ2.5mm With Effective Tube id Φ10~Φ64, Height 200~1000mm, 크로마토그래피 칼럼

■ ***Made of Premium DURAN® PTFE Stopcock or Normal PTFE Stopcock-bore 2.5mm, DURAN Glass Filter P2(Porosity 40~100㎛), and Boro-Glass 3.3 : by SciLab Korea*** ■ ***Custom-Made Available***

(1) With DURAN® Glass Filter P2, Porosity 40~100㎛

〈L1〉

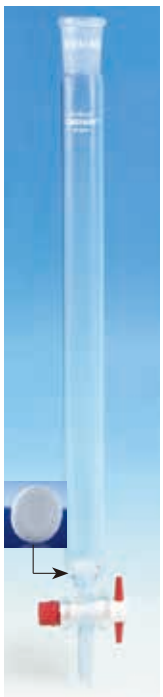
Cat. No.		Description	Ea. Price, ₩	
with DURAN® Premium Cock	with Normal Cock		with DURAN® Premium Cock	with Normal Cock
SL.Col2040	**SL.Col2040.1**	Chromato Column, Filter P2, Effective, - id. Φ10×1.5t×h200mm, 19㎖	52,770	42,870
SL.Col2041	**SL.Col2041.1**	〃 , - id. Φ14.4×1.8t×h250mm, 43㎖	55,390	47,690
SL.Col2042	**SL.Col2042.1**	〃 , - id. Φ14.4×1.8t×h400mm, 70㎖	58,120	48,220
SL.Col2043	**SL.Col2043.1**	〃 , - id. Φ20.4×1.8t×h400mm, 125㎖	59,350	51,650
SL.Col2044	**SL.Col2044.1**	〃 , - id. Φ22×2t×h300mm, 110㎖	64,990	55,090
SL.Col2045	**SL.Col2045.1**	〃 , - id. Φ22×2t×h500mm, 190㎖	66,370	56,200
SL.Col2046	**SL.Col2046.1**	〃 , - id. Φ26×2t×h500mm, 250㎖	69,940	57,840
SL.Col2047	**SL.Col2047.1**	〃 , - id. Φ30×2t×h400mm, 280㎖	75,070	63,840
SL.Col2048	**SL.Col2048.1**	〃 , - id. Φ30×2t×h500mm, 350㎖	75,070	64,770
SL.Col2049	**SL.Col2049.1**	〃 , - id. Φ41.4×2.3t×h500mm, 650㎖	95,920	83,820
SL.Col2050	**SL.Col2050.1**	〃 , - id. Φ41.4×2.3t×h700mm, 920㎖	100,190	88,090
SL.Col2051	**SL.Col2051.1**	〃 , - id. Φ45×2.5t×h700mm, 1110㎖	105,850	93,750
SL.Col2052	**SL.Col2052.1**	〃 , - id. Φ49×2.5t×h600mm, 1130㎖	115,620	103,520
SL.Col2053	**SL.Col2053.1**	〃 , - id. Φ49×2.5t×h800mm, 1500㎖	121,320	111,420
SL.Col2054	**SL.Col2054.1**	〃 , - id. Φ63.6×3.2t×h800mm, 2540㎖	173,470	154,380
SL.Col2055	**SL.Col2055.1**	〃 , - id. Φ63.6×3.2t×h1000mm, 3100㎖	185,290	169,230

(2) Without Filter

Cat. No.		Description	Ea. Price, ₩	
with DURAN® Premium Cock	with Normal Cock		with DURAN® Premium Cock	with Normal Cock
SL.Col2060	**SL.Col2060.1**	Chromato Column, Effective, - id. Φ10×1.5t×h200mm, 19㎖	42,430	32,530
SL.Col2061	**SL.Col2061.1**	〃 , - id. Φ14.4×1.8t×h250mm, 43㎖	45,050	35,150
SL.Col2062	**SL.Col2062.1**	〃 , - id. Φ14.4×1.8t×h400mm, 70㎖	45,580	35,680
SL.Col2063	**SL.Col2063.1**	〃 , - id. Φ20.4×1.8t×h400mm, 125㎖	48,350	37,350
SL.Col2064	**SL.Col2064.1**	〃 , - id. Φ22×2t×h300mm, 110㎖	48,270	38,370
SL.Col2065	**SL.Col2065.1**	〃 , - id. Φ22×2t×h500mm, 190㎖	49,640	39,490
SL.Col2066	**SL.Col2066.1**	〃 , - id. Φ26×2t×h500mm, 250㎖	52,420	42,220
SL.Col2067	**SL.Col2067.1**	〃 , - id. Φ30×2t×h400mm, 280㎖	53,520	42,520
SL.Col2068	**SL.Col2068.1**	〃 , - id. Φ30×2t×h500mm, 350㎖	55,540	43,440
SL.Col2069	**SL.Col2069.1**	〃 , - id. Φ41.4×2.3t×h500mm, 650㎖	69,950	60,050
SL.Col2070	**SL.Col2070.1**	〃 , - id. Φ41.4×2.3t×h700mm, 920㎖	72,040	62,140
SL.Col2071	**SL.Col2071.1**	〃 , - id. Φ45×2.5t×h700mm, 1110㎖	76,150	66,250
SL.Col2072	**SL.Col2072.1**	〃 , - id. Φ49×2.5t×h600mm, 1130㎖	88,340	80,640
SL.Col2073	**SL.Col2073.1**	〃 , - id. Φ49×2.5t×h800mm, 1500㎖	94,940	85,040
SL.Col2074	**SL.Col2074.1**	〃 , - id. Φ63.6×3.2t×h800mm, 2540㎖	124,680	112,280
SL.Col2075	**SL.Col2075.1**	〃 , - id. Φ63.6×3.2t×h1000mm, 3100㎖	132,930	121,270

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles | Cat. No | Description



(1) with Filter, PTFE Stopcock



(2) without Filter, PTFE Stopcock

SciLab® DURAN glass Chromatography Column, with PTFE Cock, 24/40 or 24/29 Joint
With Premium DURAN PTFE Cock-bore 2.5mm, Effective-id.Φ10~45, h200~700mm, 조인트부 크로마토 칼럼

■ *Made of Original DURAN® Glass Filter P2 / Boro-Glass 3.3 / DURAN® Premium PTFE Stopcock-bore 2.5mm : by SciLab Korea*
■ *Custom-Made Available*

(1) With Premium DURAN® Glass Filter P2, Porosity 40~100㎛, 24/40 or 24/29 Joint

<L1>

Cat. No. with ASTM 24/40	Cat. No. with DIN 24/29	Description	Ea. Price, ₩ with ASTM 24/40	Ea. Price, ₩ with DIN 24/29
SL.Col2110	SL.Col2110.0	Chromato Column, P2 Filter, - id. Φ10×1.5t×h200mm, 19㎖	60,900	60,900
SL.Col2111	SL.Col2111.0	〃 , - id. Φ14.4×1.8t×h250mm, 43㎖	65,730	65,730
SL.Col2112	SL.Col2112.0	〃 , ×h400mm, 70㎖	66,250	66,250
SL.Col2113	SL.Col2113.0	〃 , - id. Φ20.4×1.8t×h400mm, 125㎖	72,620	72,620
SL.Col2114	SL.Col2114.0	〃 , - id. Φ22×2t×h300mm, 110㎖	73,220	73,220
SL.Col2115	SL.Col2115.0	〃 , ×h500mm, 190㎖	76,450	76,450
SL.Col2116	SL.Col2116.0	〃 , - id. Φ26×2t×h500mm, 250㎖	80,580	80,690
SL.Col2117	SL.Col2117.0	〃 , - id. Φ30×2t×h400mm, 280㎖	85,400	85,520
SL.Col2118	SL.Col2118.0	〃 , ×h500mm, 350㎖	85,000	85,120
SL.Col2119	SL.Col2119.0	〃 , - id. Φ41.4×2.3t×h500mm, 650㎖	104,720	104,720
SL.Col2120	SL.Col2120.0	〃 , ×h700mm, 920㎖	111,190	111,190
SL.Col2121	SL.Col2121.0	〃 , - id. Φ45×2.5t×h700mm, 1110㎖	122,790	122,900

(2) Without Filter, with 24/40 or 24/29 Joint

Cat. No. with ASTM 24/40	Cat. No. with DIN 24/29	Description	Ea. Price, ₩ with ASTM 24/40	Ea. Price, ₩ with DIN 24/29
SL.Col2125	SL.Col2125.0	Chromato Column, Effective, - id. Φ10×1.5t×h200mm, 15㎖	48,370	48,480
SL.Col2126	SL.Col2126.0	〃 , - id. Φ14.4×1.8t×h250mm, 43㎖	53,190	53,190
SL.Col2127	SL.Col2127.0	〃 , - id. Φ14.4×1.8t×h400mm, 70㎖	53,720	53,830
SL.Col2128	SL.Col2128.0	〃 , - id. Φ20.4×1.8t×h400mm, 125㎖	58,980	59,090
SL.Col2129	SL.Col2129.0	〃 , - id. Φ22×2t×h300mm, 110㎖	58,620	58,720
SL.Col2130	SL.Col2130.0	〃 , - id. Φ22×2t×h500mm, 190㎖	59,730	59,840
SL.Col2131	SL.Col2131.0	〃 , - id. Φ26×2t×h500mm, 250㎖	62,750	62,870
SL.Col2132	SL.Col2132.0	〃 , - id. Φ30×2t×h400mm, 280㎖	65,480	65,590
SL.Col2133	SL.Col2133.0	〃 , - id. Φ30×2t×h500mm, 350㎖	66,280	66,390
SL.Col2134	SL.Col2134.0	〃 , - id. Φ41.4×2.3t×h500mm, 650㎖	82,490	82,600
SL.Col2135	SL.Col2135.0	〃 , - id. Φ41.4×2.3t×h700mm, 920㎖	86,780	86,890
SL.Col2136	SL.Col2136.0	〃 , - id. Φ45×2.5t×h700mm, 1110㎖	95,290	95,400

SciLab® DURAN glass Chromatography Column, with Reservoir, PTFE Cock and 24/40 · 24/29 Joint
With Premium PTFE Cock Bore Φ2.5mm, Effective Tube-id Φ13.4~63.6/height 500mm, 조인트부 리저버형 크로마토 칼럼



(1)



(2)

■ *Made of Premium DURAN® PTFE Stopcock Bore 2.5mm/Glass Filter P2/Boro-Glass 3.3 : by SciLab Korea*
■ *Custom-Made Available*
∗ Example of Capacity : Effective Tube / Reservoir Volume -28/250㎖
∗ Effective Tube id Φ ×height(h)mm : Except the Reservoir Area.
∗ Premium DURAN Glass Filter P2, Porosity 40~100㎛

(1) With Premium Glass Filter P2, Porosity 40~100㎛, 24/40 or 24/29 Joint

<L1>

Cat. No. with ASTM 24/40	Cat. No. with DIN 24/29	Description	Ea. Price, ₩ with ASTM 24/40	Ea. Price, ₩ with DIN 24/29
SL.Col2171	SL.Col2171.0	Chromato Column, Reservoir, P2, - id/od Φ13.4/17×1.8t×h250mm, 28/100㎖	69,730	69,840
SL.Col2172	SL.Col2172.0	〃 , - id/od Φ24/28×2t×h250mm, 100/250㎖	88,680	88,780
SL.Col2173	SL.Col2173.0	〃 , - id/od Φ37.4/42×2.3t×h300mm, 340/500㎖	119,830	119,930
SL.Col2174	SL.Col2174.0	〃 , - id/od Φ49/54×2.5t×h300mm, 590/1000㎖	146,170	146,270
SL.Col2175	SL.Col2175.0	〃 , ×h500mm, 980/1000㎖	170,050	170,170
SL.Col2176	SL.Col2176.0	〃 , - id/od Φ63.6/70×3.2t×h500mm, 1600/2000㎖	235,590	235,700

(2) Without Filter, with 24/40 or 24/29 Joint

Cat. No. with ASTM 24/40	Cat. No. with DIN 24/29	Description	Ea. Price, ₩ with ASTM 24/40	Ea. Price, ₩ with DIN 24/29
SL.Col2181	SL.Col2181.0	Chromato Column, Reservoir, - id/od Φ13.4/17×1.8t×h250mm, 28/100㎖	63,790	63,900
SL.Col2182	SL.Col2182.0	〃 , - id/od Φ24/28×2t×h250mm, 100/250㎖	71,520	71,630
SL.Col2183	SL.Col2183.0	〃 , - id/od Φ37.4/42×2.3t×h300mm, 340/500㎖	91,670	91,780
SL.Col2184	SL.Col2184.0	〃 , - id/od Φ49/54×2.5t×h300mm, 590/1000㎖	121,080	121,190
SL.Col2185	SL.Col2185.0	〃 , ×h500mm, 980/1000㎖	133,970	134,080
SL.Col2186	SL.Col2186.0	〃 , - id/od Φ63.6/70×3.2t×h500mm, 1600/2000㎖	198,000	198,100

Articles | Cat. No | Description


(1)


(2)

Premium Vacuum Regulator, with GU® PTFE Needle Value, with ASTM & DIN Joints
Ideal for Chromatography, 진공 조절 어댑터

■ ***Supplied by SciLab Korea*** ■ ***Custom-Made Available / 규격외 Items 자유롭게 주문하세요!***

∗ PTFE Needle Value 0~2.5mm pass × Tube od 9mm

〈L1〉

(1) With Taper Cone Joint

		Ea. Price, ₩
SL.Ada2388	Vacuum Regulator, with Taper Cone Joint, DIN-24/29	67,650
SL.Ada2387	, ASTM-24/40	67,440

(2) With Ball / Spherical Joint, 29/15 & 35/20

		Ea. Price, ₩
SL.Ada2389	Vacuum Regulator, 0~2.5mm pass × Tube od 9mm, DIN-29/15	86,690
SL.Ada2390	-35/20	90,200



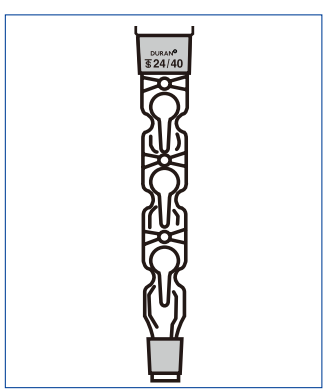
Premium Chromatography Vacuum Stopcock Adapter, with ASTM & DIN Joints
With DURAN® GU® PTFE Needle Valve and DURAN® Borosilicate Glass 3.3, 크로마토 진공 어댑터

■ ***Supplied by SciLab Korea***

∗ Ideal for columns without Stopcocks

〈L1〉

		Ea. Price, ₩
SL.Ada2401	Adapter, PTFE Needle Valve, 0~2.5mm, 24/29	75,900
SL.Ada2402	, 24/40	75,580

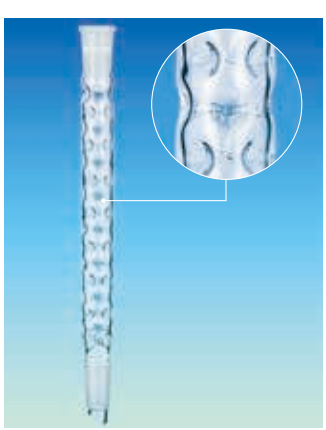


Snyder Column, Ideal for Concentrations, with 3 Balls, ASTM & DIN Joints
Ideal for "Kuderna-Danish" Evaporative Concentrator, 3 Balls, 스나이더 칼럼

■ ***Made of DURAN® Borosilicate Glass 3.3 : by SciLab Korea***
■ ***Custom-Made Available***
■ ***Ideal for "Kuderna-Danish" Evaporative Concentrator*** ∗- Note : 14/23 is DIN 12249

〈L1〉

	(1) with ASTM Joints			(2) with DIN Joints		
Snyder Coulmn, Ball Q'ty, Φ × h	Joint	Cat. No.	Ea. Price, ₩	Joint	Cat. No.	Ea. Price, ₩
3 × Balls, Φ28 × h240mm	14/23	**SL.Col2140**	54,820	14/23	**SL.Col2140**	54,820
3 × Balls, Φ28 × h270mm	24/40	**SL.Col2141**	55,640	24/29	**SL.Col2144.0**	55,640
3 × Balls, Φ28 × h320mm	24/40	**SL.Col2142**	66,930	24/29	**SL.Col2145.0**	66,930



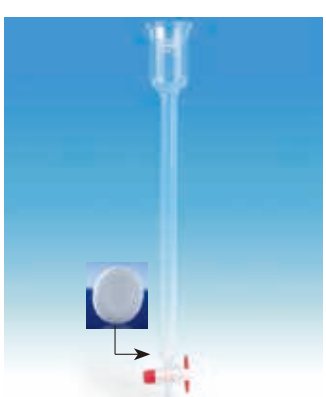
Vigreux Column, with ASTM & DIN Joints, Jacket-type
14/23 · 24/40 · 24/29, 비그럭스 칼럼

■ ***Made of Boro Glass 3.3*** ■ ***Custom-Made Available***

∗- Note : 14/23 is DIN 12249

〈L1〉

	(1) with ASTM Joints			(2) with DIN Joints		
Vigreux, Φ × h	Joint	Cat. No.	Ea. Price, ₩	Joint	Cat. No.	Ea. Price, ₩
Φ28 × h200mm	14/23	**SL.Col2150**	46,170	14/23	**SL.Col2150**	46,170
Φ28 × h250mm	24/40	**SL.Col2151**	48,850	24/29	**SL.Col2155.0**	49,180
Φ28 × h300mm	24/40	**SL.Col2152**	51,050	24/29	**SL.Col2156.0**	51,380
Φ28 × h400mm	24/40	**SL.Col2153**	56,120	24/29	**SL.Col2157.0**	58,640



SciLab® Premium N-Hexan Column, with DURAN® Glass · Filter P2 · PTFE-plug Stopcock
With Tube : id Φ14.4 × h200 or h300mm, Top-Cap : od Φ50 × h70mm, 노르말헥산 칼럼

■ ***Supplied by SciLab Korea***
■ ***Made of Original DURAN® Glass Filter P2(40~100㎛), Borosilicate Glass 3.3 and DURAN® Premium PTFE Stopcock Boro 2.5mm***
■ ***Custom-Made Available***

〈L1〉

		Ea. Price, ₩
SL.Col2160	N-Hexane Column, P2, Effective, - id 14.4 × h200 × 1.8mm	64,150
SL.Col2161	, - id 14.4 × h300 × 1.8mm	69,070

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles | Cat. No | Description



SciLab® Glass Coil(Graham) Condenser, Safety "Screw-On" PP Connections & Joints
With Interchangeable-Safety PP Screw GL14 Hose Connector and Joint, "Safety-model", 나사관 냉각기

- *Supplied by SciLab Korea*
- *Custom-Made Available / 규격외 Items 자유롭게 주문하세요!*
- *With Safety Screw Hose Connection GL14 & Joint-Type*

※ Note! Only SL.Con2011(h150mm) has 14/23 Joints ∗ Height(h) is Jacket Length

〈L1〉

	I. with ASTM-24/40			II. with DIN-24/29		
Condenser, Graham, Φ×h×thick	Cat. No.	Pk.	Price, ₩	Cat. No.	Pk.	Price, ₩
Φ 28×h 150×thick 2.0mm, GL14	SL.Con2011	1ea	28,610	SL.Con2011	1ea	28,610
Φ 28×h 200×thick 2.0mm, GL14	SL.Con2012	1ea	34,470	SL.Con2012.0	1ea	34,470
Φ 36×h 300×thick 2.0mm, GL14	SL.Con2013	1ea	40,370	SL.Con2013.0	1ea	38,410
Φ 36×h 400×thick 2.0mm, GL14	SL.Con2014	1ea	45,300	SL.Con2014.0	1ea	42,840
Φ 42×h 500×thick 2.3mm, GL14	SL.Con2015	1ea	55,140	SL.Con2015.0	1ea	52,190



SciLab® Glass Allihn Condenser, Safety "Screw-On" PP Connections & Joints
With Interchangeable-Safety PP Screw GL14 Hose Connector and Joint, "Safety-model", 옥입(구입) 냉각기

- *Supplied by SciLab Korea*
- *Custom-Made Available / 규격외 Items 자유롭게 주문하세요!*
- *With Safety Screw Hose Connection GL14 & Joint-Type*

※ Note! Only SL.Con2020(h150mm) has 14/23 Joints ∗ Height(h) is Jacket Length

〈L1〉

	I. with ASTM-24/40			II. with DIN-24/29		
Condenser, Allihn, Φ×h×thick	Cat. No.	Pk.	Price, ₩	Cat. No.	Pk.	Price, ₩
Φ 26×h 150×thick 2.0mm, GL14	SL.Con2020	1ea	25,710	SL.Con2020	1ea	25,710
Φ 28×h 200×thick 2.0mm, GL14	SL.Con2021	1ea	30,530	SL.Con2021.0	1ea	29,540
Φ 34×h 300×thick 2.0mm, GL14	SL.Con2022	1ea	37,420	SL.Con2022.0	1ea	36,440
Φ 34×h 400×thick 2.0mm, GL14	SL.Con2023	1ea	40,370	SL.Con2023.0	1ea	39,390
Φ 38×h 500×thick 2.0mm, GL14	SL.Con2024	1ea	42,340	SL.Con2024.0	1ea	41,360



SciLab® Glass Liebig Condenser, Safety "Screw-On" PP Connections & Joints
With Interchangeable-Safety PP Screw GL14 Hose Connector and Joint, "Safety-model", 리비히/직관 냉각기

- *Supplied by SciLab Korea*
- *Custom-Made Available / 규격외 Items 자유롭게 주문하세요!*
- *With Safety Screw Hose Connection GL14 & Joint-Type*

※ Note! Only SL.Con2030(h150mm) has 14/23 Joints ∗ Height(h) is Jacket Length

〈L1〉

	I. with ASTM-24/40			II. with DIN-24/29		
Condenser, Liebig, Φ×h×thick	Cat. No.	Pk.	Price, ₩	Cat. No.	Pk.	Price, ₩
Φ 24×h 150×thick 1.8mm, GL14	SL.Con2030	1ea	23,730	SL.Con2030	1ea	23,730
Φ 26×h 200×thick 2.0mm, GL14	SL.Con2031	1ea	28,400	SL.Con2031.0	1ea	27,580
Φ 34×h 300×thick 2.0mm, GL14	SL.Con2032	1ea	35,510	SL.Con2032.0	1ea	34,470
Φ 34×h 400×thick 2.0mm, GL14	SL.Con2033	1ea	38,540	SL.Con2033.0	1ea	37,420
Φ 38×h 500×thick 2.0mm, GL14	SL.Con2034	1ea	40,580	SL.Con2034.0	1ea	39,390



SciLab® Glass Dimroth Reflux/Coil Condenser, Safety "Screw-On" PP Connections & Joints
With Interchangeable-Safety PP Screw GL14 Hose Connector and Joint, "Safety-model", 딤로드/환류 냉각기

- *Supplied by SciLab Korea*
- *Custom-Made Available / 규격외 Items 자유롭게 주문하세요!*
- *With Safety Screw Hose Connection GL14 & Joint-Type*

※ Note! Only SL.Con2040(h150mm) has 14/23 Joints ∗ Height(h) is Jacket Length

〈L1〉

	I. with ASTM-24/40			II. with DIN-24/29		
Condenser, Dimroth, Φ×h×thick	Cat. No.	Pk.	Price, ₩	Cat. No.	Pk.	Price, ₩
Φ 28×h 150×thick 2.0mm, GL14	SL.Con2040	1ea	41,540	SL.Con2040	1ea	41,540
Φ 28×h 200×thick 2.0mm, GL14	SL.Con2041	1ea	46,420	SL.Con2041.0	1ea	45,320
Φ 36×h 300×thick 2.0mm, GL14	SL.Con2043	1ea	53,640	SL.Con2043.0	1ea	52,520
Φ 36×h 400×thick 2.0mm, GL14	SL.Con2044	1ea	59,830	SL.Con2044.0	1ea	58,700

Articles	Cat. No	Description



SciLab® Glass Soxhlet Condenser, Allihn, Safety "Screw-On" PP Connections & Joints
Ideal for Soxhlet Apparatus, "Safety-model", 옥입 환류 냉각기, 쏙시렛용

■ ***Supplied by SciLab Korea***
■ ***Custom-Made Available / 규격외 Items 자유롭게 주문하세요!***
■ ***Made of Borosilicate Glass 3.3 / GL Screw Connectors***
■ ***with Interchangeable Safety Screw Hose Connection GL14 & Joint-Type***

〈L1〉

		Pk.	Price, ₩
SL.Ext2010	Condenser, Soxhlet, For-100㎖, 34/35, Jacket-L250×od Φ30×thick 2.0mm	1ea	51,800
SL.Ext2011	-250㎖, 45/40, -L250×od Φ40×thick 2.3mm	1ea	48,030
SL.Ext2012	-500㎖, 55/44, -L280×od Φ52×thick 2.5mm	1ea	84,000



SciLab® Glass Jacketed Reflux/Coil Condenser, Safety "Screw-On" PP Connection & Joints
With Interchangeable Safety PP Screw GL14 Hose Connector "Safety-Model", 이중자켓 코일 환류 냉각기

■ ***Supplied by SciLab Korea***
■ ***Custom-Made Available / 규격외 Items 자유롭게 주문하세요!***
∗ Safety Hose Connections-type, with 2×"Screw-On" GL14 PP-Kit

〈L1〉

		Pk.	Price, ₩
SL.Con2051	Condenser, Jacketed Reflux, GL14, 24/40, Jacket-L300×od Φ42×thick 2.3mm	1ea	59,680
SL.Con2052	-L400×od Φ42×thick 2.3mm	1ea	66,520
SL.Con2053	-L500×od Φ42×thick 2.3mm	1ea	79,950





GL14 Red Screwcapped Hose Connector Kit, (1) High-Temp PBT Bent-Type & (2) Safety PP Straight-Type
For GL14 Screw Thread of Condenser, Autoclavable, GL14 스크류 호스 커넥터

■ ***Supplied by SciLab Korea*** ∗ Use : Available to Every Article Attached GL14 Screw Thread

(1) Spare PBT GL14 Connector, Bent-Type, 180℃ Stable NEW

∗ Made of PBT(Polybutylene Terephthalate)

〈L1〉

		Ea.	Price, ₩	Pk.	Price, ₩
SL.Con3041	Connector, PBT, Bent, GL14, Tube od 8×id 5.0mm		2,350	10ea	22,740

(2) Optional PP GL14 Connector, Straight-Type, 125℃ Stable

∗ Made of PP(Polypropylene)

		Ea.	Price, ₩	Pk.	Price, ₩
SL.Con3031	Connector, PP, Straight, GL14, Tube od 8×id 5.0mm		1,530	10ea	14,530



DAIHAN® DURAN glass Rotary Evaporating Condenser, Safety-Type
Φ85×h470mm, for "Eva-05", 프리미엄 회전진공 농축기 냉각기

■ ***Made in Korea*** ■ ***Made of Borosilicate Glass 3.3***
∗ with PBT GL25 Cap & PP GL10 Opentop Cap
∗ 1,600cm² Cooling Surface Condenser
∗ Superior Evaporation Capacity : Max. 23㎖/min(Water)

〈L1〉

		Ea.	Price, ₩
DH.Con2059	Glass Condenser, Φ85×h470mm		800,000

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Conductivity

High Precision of Measuring Conductivity

Conductivity / TDS / Temperature Measurement



Benchtop Conductivity Meter-set
"SC-2310"



Pen-type Conductivity & TDS Tester
"Senz" Serise

SI Analytics® Bench-top Conductivity Meter Set "Lab 945", Conductivity · Salinity · TDS · Temp Measurement With Single Point Calibration, Temperature Offset, Automatic Measuring Range, <Germany-Made> 탁상용 전도도 미터 세트



"Lab 945" Conductivity Meter

- ***User-friendly Design for Training and Routing Purpose.***
- ***Data Logger (Up to 4,000 Data Sets : Date, Time, Main & Secondary Value, Measuring Temp.) with Adjustable Interval.***
- ***Robust Aluminum Housing and Graphical LCD Display with Background Lit.***

∗ USB interface ∗ Numeric Password Security ∗ Configuration Time off Set-up
∗ For Immediate use as Set (with Stand, Power Supply, Sensor and Buffers)
∗ **Complete Set with :** Meter, Stand, Power Supply, Cond. Cell LF435T and Testing Solution (6 Ampules).

Specifications & Ordering information

<L1>

Measuring Range	**Conductivity**	0~200/0~2,000 ㎲/cm, 0~20/0~500mS/cm (Automatic Range)
	TDS	0~200mg/L, 0~2,000mg/L, 0~20g/L, 0~500g/L
	Salinity, Temp	0~70 (After IOT), −10℃+100℃
Resolution		0.1㎲, 1㎲, 0.01mS, 0.1mS, 0.1℃
Accuracy		±1 Digit, ± 0.5 % of the Measuring Range, T [℃] ± 0.1 (5~50℃)
Temp. Compensation		Automatic with NTC 30 kOhm or Fixed Temperature
Connectors		8-pole Sensor Socket, 4-pole USB Interface Socket
Calibration		Direct Input, Temperature Offset, Automatic, 1-point
Display		Graphic LCD Display, 128×64 pixel, Backlid
Interface		USB, Isolated
Ambient Temperature		−10℃+55℃
Housing Protection		Aluminum IP40
Dimensions & Weight		145×185×h55 mm, Approx. 710g (incl. Power Supply and Stand)
Cat. No.		**SG.285206840**
Price, Each. ₩		1,518,720

Spare & Optional Accessories

		Ea. Price, ₩
SG.285206420	**Spare ;** LF435T, 4 Pole Cond. Cell, Plastic Shaft, w/ 8 Pole Plug, Graphite, 0.33cm^{-1}, With Temp. Sensor NTC 30 kOhm, L120mm, Φ12mm, −5℃+80℃	818,630
SG.285206400	**Optional ;** Z613, USB Cable with Data Transfer Software	283,430
SG.285206450	**;** Z616, Cable for Connecting a RS232 Printer	233,290

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Suntex® Benchtop Conductivity Meter Set "SC-2110" & "SC-2310", Conductivity · Resistivity · Salinity · TDS · Temp. Measurement

Storing Data and Calibration Record, Auto-Read Function, USB Type-C Power Supply, Auto Power Off, **다기능 탁상용 전도도 미터 세트**



"SC-2310" Conductivity Meter Set

- ***Auto-Read Function Status Indicator Light (Breathing Light).***
- ***Fixed Cell Constant can be Freely Switched or Adjusted as Needed***
- ***Various Display Options, Including Cell Constant and Specific Temperature for Calibration***
- ***USB Type-C Power Supply Function and the Ability to Connect to an Array Printer***

∗ A Sleek Design with Integrated Breathing Status Lights for Enhanced Usability.
∗ Stores Crucial Measurement Data and Calibration Records
∗ Salinity and TDS Modes Enhance Versatility across Applications while Maintaining Reliability.
∗ SC-2310 Displays a 3-minute Trend Graph for Continuous Sample Value Monitoring.

▶ **Complete Set with :** Main Unit, Electrode Stand, USB Cable, and Manual. with/without Conductivity Cell

Spec. \ Model	(1) "SC-2110"	(2) "SC-2310"
Measuring Range Resolution & Accuracy	Cond. 0㎲/cm~200㎳/cm Resist. 0~20 MΩ · cm TDS 0~2000ppm, 0~200ppt Sal. 0~70ppt Temp. −10.0~110.0℃	Cond. 0㎲/cm~1000㎳/cm Resist. 0~100MΩ · cm TDS 0~2000ppm, 0~1000ppt Sal. 0~70ppt Temp. −10.0~110.0℃
Temperature Compensation	Automatic with NTC30K or PT1000 or Manual Adjustment	
Data Storage	Auto/Manual, 200 Sets	Auto/Manual, 60,000 Sets
Data Transmitting	USB Type-C and RS-232 for Printing	USB Type-C and RS-232 for Printing and PC
Standard Solution Calibration	Up to 5 Point Calibration (Default 7 Standard Solutions)	
Calibration Record	The Last 10 Calibration Records (GLP)	The Last 50 Calibration Records (GLP)
Display	4.3″ Graphic LCM Backlight Display, with Manual Brightness Adjustment Function	
Power Supply	USB Type-C or 6V Adapter Transformer (Optional)	
Dimensions & Weight	L220×W180×H65mm, 0.5kg	

〈L1〉

(1) "SC-2110" Set, 0~200㎳/cm, 200 Data Records

		Ea. Price, ₩
SU.SC2110PA	Conductivity Meter, Benchtop, SC-2110 Set, with Probe (8.243)	1,814,860
SU.SC2110	, without Probe	1,442,300

(2) "SC-2310" Set, 0~1,000㎳/cm, 60,000 Data Records

		Ea. Price, ₩
SU.SC2310PA	Conductivity Meter, Benchtop, SC-2310 Set, with Probe (8.243)	2,039,840
SU.SC2310	, without Probe	1,679,070

Spare & Optional Accessories

		Ea. Price, ₩
SU.8.243	**Spare ;** 4-electrode Conductivity Probe, K=0.475cm^{-1}, Suntex 7pin Plug Cable	468,110
SU.8.221.01	**Optional ;** Ultra Pure Water Resistivity Probe, K=0.01cm^{-1}, without Cable	823,630
SU.8.222.01	; Pure Water Resistivity Probe, K=0.05cm^{-1}, without Cable	782,190
SU.8.101D	; Cable for 8.222.01/8.222.01 Probe, 1.15m, Suntex 7pin Plug Cable	61,650
SU.8.103D	; Cable for 8.222.01/8.222.01 Probe, 3m, Suntex 7pin Plug Cable	80,130



Trans® 90㎖ Conductivity Standard Solution, 전도도 표준 용액

〈L1〉

		Ea. Price, ₩
TR.8015	Cond. Standard Solution, 74㎲, 90㎖	11,970
TR.8650	, 650ppm, 90㎖	11,970
TR.2020	, 1382ppm, 90㎖	11,970
TR.2010	, 1413㎲, 90㎖	11,970
TR.2100	, 12.88mS/6440ppm, 90㎖	11,970



SI Analytics® Standard Conductivity Solution, Potassium Chloride Solution, 0.01 / 0.1 / 1 mol/L

■ ***Supplied by SI Analytics® in Germany***

∗ KCl 0.01/0.1/1 mol/L - 1.41/12.9/112 mS/cm 3×6 Ampules ∗ 20㎖ per one Ampoule

〈L1〉

		Cs.	Price, ₩
SG.285126503	Cond. Solution, LF 990, KCl 0.001 mol/L, 147 uS/cm, 6 Ampoules/Pk.	3pk	90,330
SG.285126511	, LF 991, KCl 0.01 mol/L, 1.41 mS/cm, 6 Ampoules/Pk.	3pk	90,330
SG.285126528	, LF 992, KCl 0.1 mol/L, 12.9 mS/cm, 6 Ampoules/Pk.	3pk	90,330
SG.285126293	, LF 995, KCl 0.01/0.1/1 mol/L, 3×2 Ampoules/Pk.	3pk	90,330

Suntex® Portable Conductivity · Resistivity · TDS · Salinity · Temp. Meter Set, "SC-210" & "SC-230"

With Graphical Menu, IP65 Waterproof, Advanced Autoread Function, Data Logger, **휴대용 다기능 전도도 미터 세트**

NEW



"SC-210" & "SC-230" Portable Cond. Meter

■ ***Rich Functions under the Simple and Easy-to-understand Graphical Menu***
■ ***Graphic Menu Design with IP65 Waterproof Protection.*** ■ ***Easy to Hold and Control with One Hand***
∗ Using a Single Key to Start, Restart and Suspend the Advanced Auto Read Function
∗ The Advanced Data Logger Function : "SC-210" up to 100 Sets, "SC-230" up to 50,000 Sets
▶ **Complete Set with :** Basic Unit, Carrying Case, 4×AA Battery, Operation Manual, (with/without) 4-electrode Conductivity Probe

Spec. \ Model	(1) "SC-210"	(2) "SC-230"
Measurement Range	Cond. 0㎲/cm~200㎳/cm Resist. 0~20 MΩ · cm TDS 0~2000ppm, 0~200ppt	Cond. 0㎲/cm~1000㎳/cm Resist. 0~100 MΩ · cm TDS 0~2000ppm, 0~1000ppt
	Sal. 0~70ppt, Temp. −10.0~110.0℃	
Resolution & Accuracy	Cond. 0.001/0.01/0.1/1 ㎲/cm, 0.01/0.1/1 ㎳/cm, ±0.5% Resist. 0.01 MΩ · cm, ±1%, TDS 1ppm/0.1ppt, ±0.5% Sal., 0.01ppt, ±0.5%, Temp : 0.1/0.01℃, ±0.2℃	
Temperature Compensation	NTC30K/PT1000 Auto Temperature Compensation, Manual Adjustment	
Auto Power-off	Yes (Automatic Shutdown Time can be Set)	
Display	3˝ Graphic LCM Backlight Display, with Manual Brightness Adjustment	
Data Storage	Auto/Manual 100 Sets (GLP)	Auto/Manual 50,000 Sets (GLP)
Data Transmitting	-	Micro USB
Dimensions & Weight	w194×d82×h38mm, 250g, IP65 Protection	
Power Supply	4×1.5V AA or 1.2V NiMH Batteries	4×1.5V AA or 1.2V NiMH Batteries Micro USB Power Delivery Function (No Battery Charging Function)

〈L1〉

(1) "SC-210" Set, 0~200㎳/cm, 100 Data Storage

		Ea. Price, ₩
SU.SC210PA	Conductivity Meter, SC-210 Set, with 4-electrode Conductivity Probe	1,381,060
SU.SC210	, without Prove	985,660

(2) "SC-230" Set, 0~1,000㎳/cm, 50,000 Data Storage

		Ea. Price, ₩
SU.SC230PA	Conductivity Meter, SC-230 Set, with 4-electrode Conductivity Probe	1,561,580
SU.SC230	, without Prove	1,175,690

Spare & Optional Accessories

		Ea. Price, ₩
SU.8.243	**Spare ;** 4-electrode Conductivity Probe, K=0.475cm^{-1}, Suntex 7pin Plug Cable	468,110
SU.8.221.01	**Optional ;** Ultra Pure Water Resistivity Probe, K=0.01cm^{-1}, without Cable	823,630
SU.8.222.01	; Pure Water Resistivity Probe, K=0.05cm^{-1}, without Cable	782,190
SU.8.101D	; Cable for 8.222.01/8.222.01 Probe, 1.15m, Suntex 7pin Plug Cable	61,650
SU.8.103D	; Cable for 8.222.01/8.222.01 Probe, 3m, Suntex 7pin Plug Cable	80,130

Trans® Pen-type Conductivity & TDS Tester, "Senz" Series, 0~1990ppm · 100~10,000ppm · 0~1999㎲ · 0~19.9mS

With One Touch Calibration, IP66 Water Proof, Auto-End Point, **펜타입 포켓 전도도 미터**

1-Year Warranty



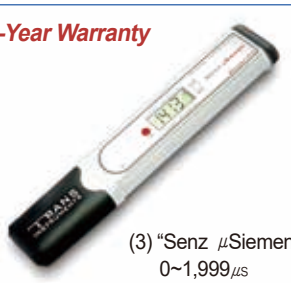
(1) "Senz TDS" 0~1990ppm

1-Year Warranty



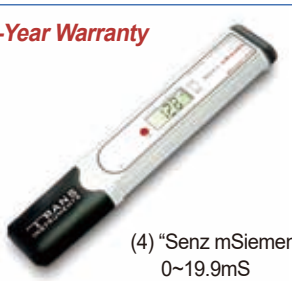
(2) "Senz TDS-2" 100~10,000ppm

1-Year Warranty



(3) "Senz ㎲iemen" 0~1,999㎲

1-Year Warranty



(4) "Senz mSiemen" 0~19.9mS

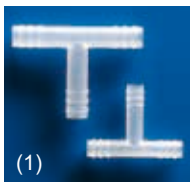
■ ***High Precision and Auto End-point*** ■ ***Automatic Sensing a Stable End-point Reading and Freezing it for Recording***
■ ***Suitable for Measuring in Water Processing, Condensate, Boiler Water, Swimming pool, Industrial Water Treatment and Waste Control***
∗ One-Touch Calibration : The Tester Calibrate the End-point Automatically at Prescribed Standard Solution
∗ The Tester Beeps at Every Press of the Button and Beeps on Every Completed Function and End-point Reading.

〈L1〉

Cat. No.	Model	Range & Resolution	Accuracy	Cal. Point	ATC	Battery Type & Life	Size & Weight	Ea. Price, ₩
TR.SENZ.6	Senz TDS	0~1990ppm, 1ppm	±2%	Single, One Touch Button	0℃~50℃	4×1.5V Button Cell Alkaline A76 or Equivalent	170×32×15mm, 70g	106,080
TR.SENZ.7	Senz TDS-2	100~10000ppm, 100ppm						106,080
TR.SENZ.8	Senz ㎲iemen	0~1999㎲, 1㎲						106,080
TR.SENZ.9	Senz mSiemen	0~19.9mS, 0.1mS						106,080

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description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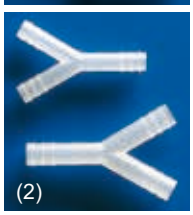
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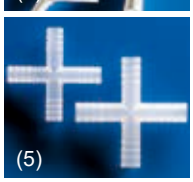
(3)


(4)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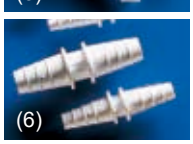

(6)

Kartell® PP Tubing Connector, "T" · "Y" · "L" · "120° Y" · 4 way · Straight-type
Suitable for Foodstuff, Autoclavable, −10℃+125/140℃ Stable, <Italy-Made> PP 튜빙 커넥터

■ ***Meet with the Food and Drug Regulations-CEE / FDA / CFR***
* Made of Polypropylene(PP), Autoclavable, -10℃+125/140℃
* Excellent chemical and temperature resistant. With serrations to hold tubing tightly and prevent slipping.
* Useful for any tubing system and vacuum line.
* a Package of 100 Pcs.

<L1>

(1) "T"-untapered Connectors

		Ea. Price,₩
KA.459	Connector, PP, T-type, tube od Φ4mm	950
KA.460	, tube od Φ6mm	1,250
KA.461	, tube od Φ8mm	1,340
KA.462	, tube od Φ10mm	1,640
KA.463	, tube od Φ12mm	1,970
KA.520	, tube od Φ14mm	2,280
KA.521	, tube od Φ16mm	2,580

(2) "Y"-untapered Connectors

		Ea. Price,₩
KA.464	Connector, PP, Y-type, tube od Φ4mm	1,420
KA.465	, tube od Φ6mm	1,870
KA.466	, tube od Φ8mm	2,070
KA.467	, tube od Φ10mm	2,450
KA.468	, tube od Φ12mm	2,800
KA.525	, tube od Φ14mm	3,190
KA.526	, tube od Φ16mm	3,640

(3) "L"-untapered Connectors

		Ea. Price,₩
KA.1250	Connector, PP, L-type, tube od Φ4mm	840
KA.1251	, tube od Φ6mm	840
KA.1252	, tube od Φ8mm	990
KA.1253	, tube od Φ10mm	990
KA.1254	, tube od Φ12mm	1,320
KA.1255	, tube od Φ14mm	1,520
KA.1256	, tube od Φ16mm	2,040

(4) "120° Y"-tapered Connector

		Ea. Price,₩
KA.527	Connector, PP, 120°, tube od Φ4~6mm	2,800
KA.528	, tube od Φ6~8mm	3,190
KA.529	, tube od Φ8~10mm	3,640
KA.530	, tube od Φ10~12mm	3,730
KA.531	, tube od Φ12~14mm	4,400
KA.532	, tube od Φ14~16mm	5,090

(5) 4 Way-untapered Connectors

		Ea. Price,₩
KA.1410	Connector, PP, 4-way, tube od Φ4mm	2,920
KA.1411	, tube od Φ6mm	3,050
KA.1412	, tube od Φ8mm	3,230
KA.1413	, tube od Φ10mm	3,780
KA.1414	, tube od Φ12mm	4,070
KA.1415	, tube od Φ14mm	3,980
KA.1416	, tube od Φ16mm	4,580

(6) Tapered Straight Connectors

		Ea. Price,₩
KA.510	Connector, PP, Straight, tube od Φ4~6mm	1,250
KA.511	, tube od Φ6~8mm	1,440
KA.512	, tube od Φ8~10mm	1,970
KA.513	, tube od Φ10~12mm	2,180
KA.514	, tube od Φ12~14mm	2,450
KA.515	, tube od Φ14~16mm	2,930



Kartell® PP Un-equal Tapered Straight Connector, Autoclavable, for Different Diameter Tubing
Suitable for Foodstuff, −10℃+125/140℃, <Italy-Made> 직경이 각기 다른 튜빙을 연결하는 커넥터

<L1>

		Ea. Price,₩
KA.877	Connector, PP, Unequal, tube od Φ4, 6, 8 / 10, 12mm	3,050
KA.878	, tube od Φ4, 6, 8 / 12, 14, 16mm	3,320
KA.879	, tube od Φ8, 10, 12 / 14, 16mm	3,700



Kartell® PE Separable 2 Pcs, Non-Autoclavable, Quick Disconnector-Tapered, Φ 4~16mm
Suitable for Foodstuff, −40℃+110℃, <Italy-Made> 분리형 커넥터

<L1>

		Ea. Price,₩
KA.434	Connector, Separable, Φ4~6mm	2,250
KA.435	, Φ6~8mm	2,670
KA.436	, Φ8~10mm	3,100

		Ea. Price,₩
KA.535	Connector, Separable, Φ10~12mm	3,090
KA.536	, Φ12~14mm	3,730
KA.537	, Φ14~16mm	4,070



VITLAB® PP Universal Connector, Transparent, Autoclavable, 0℃~125/140℃
For Wide Variety of Φ 5~15mm Tubing, Transparent, <Germany-Made> PP 만능 커넥터, 소~대 직경 튜빙용

<L1>

		Ea. Price,₩	Cs.	Price, ₩
VI.787.94	Connector, PP, for tubing with inner Φ 5~15mm	4,420	20ea	85,490



DURAN® Universal Quick Connect-Coupling, POM, for Tubings
<Germany-Made> 분리형 만능 커넥터, KK 모델, KECK® 플라스틱 신속연결 커플링

* Composition: Plastic POM Consisting Separated two Adaptor(Including O-Ring Seal) and "Quick-Coupling" which is Center Body.
* Use : · Separated two Adaptor, Connection of Using Tubings is connected to Right/Left side of Coupling in Middle by Hand-Pressure., and · Interconnecting with other size of Tubings. Tubings which is Different size of id (id Φ4~Φ9mm) can be interconnected.

<L6>

		Ea. Price,₩	Pk.	Price, ₩
SM.28634020	Connector, KK, od 4.5mm Tube	17,150	10ea	171,420
SM.28634030	, od 9.0mm Tube	17,150	10ea	171,420

Articles	Cat. No	Description



68pcs/Set

PP Tubing Connector Combination Set of "T" · "Y" · "L" · Straight-type

With 68pcs Connectors, −10℃+125/140℃, Autoclavable, PP 튜빙 커넥터 세트

■ ***Components ① PP Connector - Made in Italy, ② Box - Made in Korea ; by SciLab Korea***

■ ***Includes 68 Connectors: 2ea each in size 4, 6, 8, 10, 12, and 14mm of "T", "Y", "L"-, & Straight-type***

∗ Excellent Chemical and Temperature Resistant.

∗ Useful for any Tubing System and Vacuum Line.

∗ Consisted with :

1) "T"-type(12ea) : 2ea each of KA.459, KA.460, KA.461, KA.462, KA.463, & KA.520
2) "Y"-type(12ea) : 2ea each of KA.464, KA.465, KA.466, KA.467, KA.468, & KA.525
3) "L"-type(12ea) : 2ea each of KA.1250, KA.1251, KA.1252,KA.1253, KA.1254, & KA.1255
4) Tapered Straight-type(12ea) : 2ea each of KA.510, KA.511, KA.512, KA.513, KA.514, & KA.515
5) Un-equal Tapered Straight-type(6ea) : 2ea each of KA.877, KA.878, & KA.879
6) PE Disconnector Tapered type (12ea) : 2ea each of KA.434, KA.435, KA.436, KA.535, KA.536, KA.537
7) Universal-type(2ea) : 2ea each of VI.787.94





12ea in Size 4~14㎜



12ea in Size 4~14㎜



12ea in Size 4~14㎜



12ea in Size 4~14㎜



6ea in Size 4~14㎜



12ea in Size 4~14㎜



2ea in Size 4~14㎜

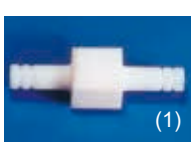
		〈L1〉 Set.	Price, ₩
SL.Con3011	Connector Set of "T"-, "Y"-, "L"-, & Straight-types, 68pcs/Set	68ea	115,430

Spare Box, with Assembly Partition

		〈B4〉 Ea.	Price, ₩
B3.805	Box, Divider & Hinged Locking Lid, 10-divid. type : 350×220×h50mm		7,360

Cowie® PTFE Tubing Connector, Bayonet Fitting, For Flexible Tubing in PTFE · VITON · Silicone Rubber &c.

Excellent Chemical & Temperature Stability, Autoclavable, −200℃+280℃, 〈UK-Made〉 PTFE 튜빙 커넥터



(1) PTFE Straight Connector

		〈L1〉 Ea. Price,₩
CW.016.902.5.2	Straight, Arm od Φ4×Bore 2 mm	18,270
CW.016.902.2	, Arm od Φ6×Bore 2 mm	18,270
CW.016.903.7.2	, Arm od Φ7×Bore 3 mm	19,680
CW.016.903.2	, Arm od Φ8×Bore 3 mm	19,680
CW.016.904.9.2	Straight, Arm od Φ9×Bore 4 mm	19,230
CW.016.904.2	, Arm od Φ10×Bore 4 mm	22,230
CW.016.905.2	, Arm od Φ11×Bore 5 mm	22,230



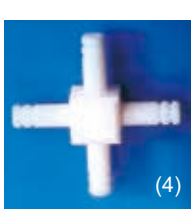
(2) PTFE 90° Angle Connector

		Ea. Price,₩
CW.016.1002.5.2	90°, Arm od Φ4×Bore 2 mm	21,840
CW.016.1002.2	, Arm od Φ6×Bore 2 mm	20,640
CW.016.1003.7.2	, Arm od Φ7×Bore 3 mm	20,720
CW.016.1003.2	, Arm od Φ8×Bore 3 mm	16,640
CW.016.1004.9.2	90°, Arm od Φ9×Bore 4 mm	27,280
CW.016.1004.2	, Arm od Φ10×Bore 4 mm	26,350
CW.016.1005.2	, Arm od Φ11×Bore 5 mm	29,220



(3) PTFE "T"-type Connector

		Ea. Price,₩
CW.016.1102.5.2	T-type, Arm od Φ4×Bore 2 mm	26,420
CW.016.1102.2	, Arm od Φ6×Bore 2 mm	26,420
CW.016.1103.7.2	, Arm od Φ7×Bore 3 mm	26,420
CW.016.1103.2	, Arm od Φ8×Bore 3 mm	26,420
CW.016.1104.9.2	T-type, Arm od Φ9×Bore 4 mm	28,980
CW.016.1104.2	, Arm od Φ10×Bore 4 mm	28,980
CW.016.1105.2	, Arm od Φ11×Bore 5 mm	32,630



(4) PTFE 4 Way-type Connector

		Ea. Price,₩
CW.016.1112.5.2	4 Way, Arm od Φ4×Bore 2 mm	27,520
CW.016.1112.2	, Arm od Φ6×Bore 2 mm	27,520
CW.016.1113.7.2	, Arm od Φ7×Bore 3 mm	27,520
CW.016.1113.2	, Arm od Φ8×Bore 3 mm	27,520
CW.016.1114.9.2	4 Way, Arm od Φ9×Bore 4 mm	30,430
CW.016.1114.2	, Arm od Φ10×Bore 4 mm	30,430
CW.016.1115.2	, Arm od Φ11×Bore 5 mm	35,530

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Burkle® POM Rapid Hose Coupling, for Liquids or Gases, Hose Nozzle type, for Hose ID Φ6.4 & 9.5mm
With Vacuum up to 10 bar (at 20℃), −40℃+80℃, without Valve, POM 신속연결 커플링



■ *Supplied by Burkle® in Germany*
■ *Spring / Lock Stainless-steel V4A*
■ *Seal (standard) : Buna-N*

* Fast and Safe Connection for Liquids, Gases, Compressed Air and Vacuum
* Ideal for Rapid Couplings Hoses, Machines, Apparatus, Containers, etc
* Top Quality, with Tested Reliability
* with Hose Nozzles, without Valve
* Fulfill the Most Stringent Requirements
* O-ring Guarantees Leakproof
* Pack Q'ty : 25ea/Cs

(1) Hose Coupling, nw 6.4mm, with Hose Nozzles, Complete

<L1>

		Ea.	Price, ₩
BK.8780.1040	Rapid Hose coupling, without Valve, for I.D Φ6.4 Hose, L54mm		19,390
BK.8780.1060	, for I.D Φ9.5 Hose, L54mm		19,390



(2) Male, Hose Coupling, nw 6.4mm

		Ea. Price,₩
BK.8782.1040	Coupling, for I.D Φ6.4 Hose, L36mm	7,170
BK.8782.1060	, for I.D Φ9.5 Hose, L36mm	7,170

(3) Female, Hose Coupling, nw 6.4mm

		Ea. Price,₩
BK.8781.1040	Coupling, for I.D Φ6.4 Hose, L34mm	12,780
BK.8781.1060	, for I.D Φ9.5 Hose, L34mm	12,780


Straight-type


Bent-type

GL14~GL32 Red Screwcapped Hose Connector Kit
For GL14~GL32 Screw Thread, −50℃+180℃, 스크류 호스 커넥터

Complete with GL-Screwcap & Silicone Sealing-ring and Plastic Hose Connection

* Use : Available to every article attached GL14 or 18 Screw Thread
<Ex> Condenser/Colum, Reactor, Bottles, Inlet/Outlet of Operation-line

(1) Premium GL14~GL32 PBT Cap & PTFE Hose Connector Kit, 180℃ Stable

■ *Supplied by DURAN® in Germany*

<L6>

		Ea. Price,₩	Pk.	Price, ₩
SM.28623000	Connector, Strai, GL 14, Tube od 8×id 5.0mm	11,730	10ea	117,200
SM.28623020	, GL 18, Tube od 11×id 7.5mm	13,580	10ea	135,680
SL.Con4011	, GL 25, Tube od 15×id 11mm	24,700		
SL.Con4012	, GL 32, Tube od 19×id 15mm	26,700		
SM.28623060	Connector, Bent, GL 14, Tube od 8×id 5.0mm	16,090	10ea	160,790
SM.28623080	, GL 18, Tube od 11×id 7.5mm	19,190	10ea	191,880

(2) Premium GL14~GL18 PBT Cap & PP Hose Connector Kit, 125℃ Stable

■ *Supplied by "witeg" in Germany*

		Ea. Price,₩	Pk.	Price, ₩
Wlg.0185002	Connector, Strai, GL 14, Tube od 8×id 5.0mm	4,480	10ea	44,650
Wlg.0185011	, GL 18, Tube od 11×id 7.5mm	13,540	10ea	135,180
Wlg.0185016	Connector, Bent, GL 18, Tube od 11×id 7.5mm	11,780	10ea	117,670

(3) All PBT GL14 Screwcapped Hose Connector, Bent, 180℃ Stable NEW

■ *Supplied by SciLab Korea* * Made of PBT(Polybutylene Terephthalate)

<L1>

		Ea. Price,₩	Pk.	Price, ₩
SL.Con3041	Connector, PBT, Bent, GL 14, Tube od 8×id 5.0mm	2,350	10ea	22,740

(4) All PP GL14 Screwcapped Hose Connector, Straight, 125℃ Stable

■ *Supplied by SciLab Korea* * Made of PP(Polypropylene)

		Ea. Price,₩	Pk.	Price, ₩
SL.Con3031	Connector, PP, Strai, GL 14, Tube od 8×id 5.0mm	1,530	10ea	14,530



"witeg" Superfix Screwcap type Joint Clamp, with Clamping O-ring, Color-coded, 14~45
Highest Safety, Screwthread-type, for both DIN/ISO & ASTM Joint, <Germany-Made> Superfix 스크류타입 조인트 클램프

■ *Highest Safety for Tightening All Apparatus with Ground Joint Cone & Socket*

* Complete with Cap, Inner Part of Thread Cone, and Clamping O-ring
* Cap & Thread Cone ; Made of Polypropylene(PP), 0℃~125/140℃, O-Ring ; Nitrile Butadiene Rubber(NBR), -20℃+180℃
* Reliable Replacement for Spring or Clamp

<L1>

		Ea. Price,₩
Wl.0140014	Clamp, 14, Red	7,680
Wl.0140019	, 19, Green	7,770
Wl.0140024	, 24, Gray	5,370
Wl.0140029	Clamp, 29, Blue	5,370
Wl.0140034	, 34, White	42,120
Wl.0140045	, 45, Beige	56,470

Articles	Cat. No	Description



Cowie® PTFE Flexible-Bellows Vacuum Joint Connector, −200℃+280℃
With 14/-~45/- Joint-Cone & Socket, <UK-Made> 휘어지는 PTFE Joint 연결관




* Used to Correct Mis-alignment and Relieve Stress in Glassware Assemblies.
* Suitable for High Vacuum

(1) ASTM Long Joints-type

		<L1> Ea. Price,₩
CW.008.1414	PTFE, 14/35, L115mm	82,320
CW.008.1919	, 19/38, L120mm	83,620
CW.008.2424	, 24/40, L130mm	114,420
CW.008.2929	, 29/42, L140mm	128,100
CW.008.3434	, 34/45, L145mm	119,350
CW.008.4545	, 45/50, L155mm	199,400

(2) ISO/DIN Standard-type

		Ea. Price,₩
CW.008.01414	PTFE, 14/23, L 90mm	87,840
CW.008.01919	, 19/26, L100mm	96,520
CW.008.02424	, 24/29, L110mm	107,980
CW.008.02929	, 29/32, L115mm	133,450
CW.008.03434	, 34/35, L120mm	146,880



(1) ASTM-type
(2) DIN-type

Cowie® PTFE Extension/Reducing Adapter 10/-~45/-Joints, NO-Grease/Breakage/Leak
For High Vacuum Seals of Glass 10/-~45/-Joints, 280℃, <UK-Made> PTFE 조인트 확대/축소 어댑터, 글라스 Joint 진공용

■ ***High Vacuum Seals using Standard Ground Glass Joints***
* Manufactured using Pure, Virgin Material, PTFE
* NO-Grease, NO-Breakage, NO-Leak

(1) with ASTM Joint-type

			<L1> Ea. Price,₩
CW.021.01019	Socket-10/30, Cone-19/38		21,040
CW.021.01424	14/35,	24/40	30,920
CW.021.01924	19/38,	24/40	30,920
CW.021.01929	19/38,	29/42	36,940
CW.021.02429	24/40,	29/42	43,790
CW.021.02434	24/40,	34/45	48,040
CW.021.02445	24/40,	45/50	63,740

(2) with DIN Joint-type

			Ea. Price,₩
CW.021.1014	Socket-10/19, Cone-14/23		19,190
CW.021.1419	14/23,	19/26	22,840
CW.021.1424	14/23,	24/29	28,440
CW.021.1924	19/26,	24/29	28,440
CW.021.1929	19/26,	29/32	35,880
CW.021.2429	24/29,	29/32	35,880
CW.021.2434	24/29,	34/35	42,750
CW.021.2445	24/29,	45/40	47,790



Kartell® PP Non-Return Valve, Preventing Reverse Flow
For Use in Vacuum Lines and Fluid Handling Systems, <Italy-Made> 유체역류방지 밸브, 기체&액체용

* Check Valve : Prevent Reverse-Flow in the Pressure & Vacuum.
* Useful for any tubing system and vacuum line.
* Pressure-resistant, 2 bar (28.4 psi)
* -10℃+125/140℃ Heat-resistant, Autoclavable.

		<L1> Ea. Price, ₩
KA.418	Valve, Non-return, PP, od 8 / 9 / 10 mm	3,830
KA.419	, od 12 / 13 / 15 mm	6,990

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



LOTTE® e·Life™ Paper Cup, Non-Fluorescent Pulp, Thick & Sturdy, 184㎖(6.5oz)
Clean & Safe, Convenient Use, Top Φ70×h70mm, **일회용 종이컵**

■ ***Made in Korea***
■ ***무형광 펄프원단을 사용하여 안전하고 깨끗함***
∗ 170g Thicker, Sturdy & Leak-tight
∗ Convenient Use for Work & Outdoor Activities

L5.611 Paper Cup, Top Φ70×h70mm, 184㎖(6.5oz)

〈B3〉

Pk.	Price, ₩	Cs.	Price, ₩
50ea	890	20pk	16,260

mediclin® 150㎖ Urine Collection Specimen Paper Cup & Lid, 소변검사용 표본 종이컵, 이중코팅



Medicaluse

■ ***Made in Korea***
■ ***병의원 진단 검사, 건강검진 등에 사용***
■ ***100% 국내 제작/천연펄프***
■ ***이중코팅으로 샘 방지***
∗ Double Coating to Prevent Leakage

〈M3〉

		Cs.	Price, ₩
DM.Cup9001	Urine Collection Specimen Paper Cup, 150㎖, Φ70×h73mm	1000ea	23,400
DM.Cup9003	**Optional Lid**, for Urine Collection Specimen Paper Cup, Φ70mm	1000ea	30,070

mediclin® 30 & 90㎖ PP Medicine Cup, with Fine Graduation, Autoclavable, 눈금부 다용도 메디신 컵



Medicaluse

■ ***Supplied by DAIHAN Korea*** ■ ***병의원 진단 검사, 건강검진 등 다용도로 사용이 가능***
∗ PP(Polypropylene), -10℃+125/140℃ Stable ∗ Non-sterile

(1) 30㎖ Medicine Cup

∗ 눈금부에 "㎖ · cc · fl oz · DRAMS · TBS" 다양한 단위로 표기.

〈M1〉

		Pk.	Price, ₩	Cs.	Price, ₩
DM.Cup3003	Medicine Cup, PP, 30 / 5㎖, Φ45×h35mm	100ea	3,690	5000ea	170,840

(2) 90㎖ Medicine Cup, with Spout

∗ 눈금부에 "㎖ · cc · fl oz" 단위로 표기.

		dh. Pk.	Price, ₩	Cs.	Price, ₩
DM.Cup3009	Medicine Cup, PP, 90 / 10㎖, Φ55×h70mm	20ea	2,890	1440ea	173,400

120㎖ Specimen Container, PP, Sterile or Non-sterile, with HDPE Screwcap, Graduation, Marking Area, Φ63×h70mm
Ideal for Urine, Medical Sample, etc., **샘플 컨테이너, 소변 및 의료용 샘플 검사용, 멸균 & 비멸균**



Medicaluse

■ ***의료용 샘플링을 위한 고품질의 시료 용기*** ■ ***다용도로 사용이 가능***
■ ***소변, 체액 등의 샘플을 담아서 보관***
∗ PP : 125/140℃, HDPE : 105/120℃
∗ DM.Con3018 : Sterilized by E.O gas

〈M4〉

		dh. Pk.	Price, ₩	Cs.	Price, ₩
DM.Con3017	Container, 120 / 10㎖, Non-sterile, Bulk Pack	20ea	3,940	25pk	65,630
DM.Con3018	, **Sterile**, 5pcs/Inner Pack	5ea	1,690	50pk	56,250

mediclin® 60 & 120㎖ Perfect Sealing Specimen Container, All-PP, Sterile or Non-sterile, With Screwcap & Graduation
Ideal for Urine, Medical Sample, etc., Leak-proof, Autoclavable, **눈금부 샘플 컨테이너, 소변 및 의료용 샘플 검사용, 멸균 & 비멸균**



Medicaluse

■ ***캡에 씰링 링이 있어서 새지 않고, 표본을 안전하게 보관 가능***
■ ***All-PP재질로 오토클레이브가 가능*** ■ ***다용도로 사용이 가능***
∗ Leak-proof ∗ with Marking Area ∗ PP(Polypropylene), -10℃+125/140℃ Stable
∗ Cap has a Built-in Wedge-shaped Sealing Ring for Perfect Sealing
∗ Highly Transparent for Easy Viewing of Samples

(1) 60㎖ Container, Sterile or Non-sterile, Φ43×h55mm

∗ 눈금부에 "㎖ & oz" 두가지 단위로 표기.

〈M1〉

		dh. Pk.	Price, ₩	Cs.	Price, ₩
DM.Con3011	Container, 60 / 10㎖, Non-sterile, Bulk Pack	20ea	5,250	500ea	109,280
DM.Con3012	, **Sterile**, Individual Pack	20ea	5,590	500ea	116,460

(2) 120㎖ Container, Sterile or Non-sterile, Φ58×h72mm

		dh. Pk.	Price, ₩	Cs.	Price, ₩
DM.Con3014	Container, 120 / 10㎖, Non-sterile, Bulk Pack	20ea	3,250	25pk	75,000
DM.Con3015	, **Sterile**, Individual Pack	1ea	320	200ea	70,320

Articles	Cat. No	Description

mediclin® 120㎖ PP Convenient Specimen Container and 10㎖ PET Vacuum Tube, CE Certified, Sterile

Ideal for Urine Collection · Transportation · Storage, **멸균 샘플 컨테이너 & 진공튜브, 소변검사용, 컵과 튜브 개별 구매**

NEW *Medicaluse*

CE



(1) (2)



※ **Usage : Insert Vacuum Tube into Needle on Container Cap to Transport Specimen**

■ 컵 뚜껑에 있는 바늘에 진공 튜브를 꽂으면 컵에 받은 샘플이 진공에 의해 튜브 속으로 빨려 들어감

■ 120㎖ Containers Designed to Use with 10㎖ Vacuum Tubes

* CE Certified * Sterilized by E.O gas
* Good Sealing for Storage & Transportation
* Highly Transparent for Easy Viewing of Samples

(1) 120㎖ Perfect Sealing Specimen Container Only, PP

* With Needle · Screwcap · Graduation
* Size : Φ50×h70mm
* Cap has a Built-in Wedge-shaped Sealing Ring
* PP(Polypropylene), -10℃+125/140℃ Stable

<M1>

		Pk.	Price, ₩	Cs.	Price, ₩
DM.Con3021	Container, PP, Sterile, 120 / 10㎖	50ea	30,170	4pk	111,700

(2) 10㎖ Vacuum Tube Only, PET



100ea / Rack

* With Round Bottom
* With PP Cap
* Size : Φ13×h106mm
* Tube : Made of PET(Polyethylene terephthalate), -40℃+70℃ Stable
* Cap : Made of PP(Polypropylene), -10℃+125/140℃ Stable
* With Marking Area on Label

		Pk.	Price, ₩	Cs.	Price, ₩
DM.Tub3001	Vacuum Tube, PET, with PP Cap, Sterile, 10㎖	100ea	36,230	8pk	268,280

mediclin® 30 & 60㎖ Stool/Sample Container, PP & PS, with PP Screwcap & Spoon, Sterile or Non-sterile

Ideal for Collecting Stool and Medical Samples, **스툴/샘플 컨테이너, 대변 및 의료용 샘플 검사용, 멸균 & 비멸균**

NEW *Medicaluse*

CE



(1) 30㎖

Non-sterile Sterile

CE



(2) 60㎖

Non-sterile Sterile

■ 뚜껑에 부착된 분리 가능한 스푼을 이용하여 표본을 옮길 수 있음

■ 스푼을 분리하면 일반 컨테이너 용도로 사용이 가능함

* Sterilized by E.O gas for DM.Con3034 & DM.Con3036
* PP(Polypropylene), -10℃+125/140℃ Stable
* PS(Polystyrene), -20℃+50℃ Stable
* Highly Transparent for Easy Viewing of Samples
* CE Certified for DM.Con3033 & DM.Con3035 (Non-sterile)



Detachable Spoon

(1) 30㎖ PS Container, with PP Screwcap & Spoon

* Container; Φ24×h93mm * Spoon; 10×15×L71mm

<M1>

		dh. Pk.	Price, ₩	Cs.	Price, ₩
DM.Con3033	Container, 30㎖, Non-sterile	50ea	13,120	10pk	109,270
DM.Con3034	, **Sterile**, Individual Pack	50ea	13,950	500ea	116,250

(2) 60㎖ PP Perfect Sealing Container, with PP Screwcap · Spoon · Graduation

* Autoclavable * with Marking Area & Graduation
* Container; Φ43×h55mm * Spoon; 10×15×L49mm

		dh. Pk.	Price, ₩	Cs.	Price, ₩
DM.Con3035	Container, 60 / 10㎖, Non-sterile, Bulk Pack	20ea	5,540	500ea	115,340
DM.Con3036	, **Sterile**, Individual Pack	20ea	5,870	500ea	122,300

mediclin® 25㎖ Stool/Sputum Specimen Container, PP, Black or Transparent, with Screwcap, Marking Label

Ideal for Collecting Stool · Sputum · Medical Samples, with or without Spoon, <Korea-Made> **채변통 · 객담통 겸용**

NEW *Medicaluse*



w/ Spoon

(1) Opaque Black



(2) Transparent

■ 의료 검체의 보관 및 이동에 편리함 ***■ 병의원 진단 검사, 건강검진 등 다용도로 사용 가능***

■ 정보를 적을 수 있는 라벨이 동봉되어 있어 편리하게 부착하여 사용

* Can be Used for Colecting a Wide Range of Sample of Stool, Sputum, etc.
* Good for Storage and Transport of Medical Samples
* Includes Adhesive Labels to Write Information

<M1>

(1) 25㎖ Specimen Container, Opaque Black, with Spoon

		dh. Pk.	Price, ₩	Cs.	Price, ₩
DM.Con3043	Container, Black, for Stool · Sputum, PP, w/ Spoon, Φ35×50mm	20ea	3,680	25pk	85,000

(2) 25㎖ Specimen Container, Transparent, without Spoon

		dh. Pk.	Price, ₩	Cs.	Price, ₩
DM.Con3045	Container, Clear, for Stool · Sputum, PP, w/o Spoon, Φ35×50mm	20ea	3,230	25pk	74,380

※ The Price(VAT is extra) for Korean End-user, and Changeable.

mediclin® 30㎖ PP Stool Specimen Container, with Snapcap & Spoon, Sterile or Non-sterile

Ideal for Collecting Stool and Medical Samples, Autoclavable, **채변통, 채변 및 의료용 샘플 검사용, 멸균 & 비멸균**



■ ***Supplied by DAIHAN Korea***
■ ***대변검사를 위한 채변 보관 및 운반용*** ■ ***스냅캡이라 열고 닫기가 간편함***
■ ***Ideal for Medical and Laboratory Settings for Conducting Diagnostic Tests related to Gastrointestinal Disorders, Infections, and other Health Conditions***
* Sterile Stool Container Maintains the Sample's Integrity and Prevent Contamination during Collection and Transportation
* with PP Spoon for Hygienic and Convenient Collection
* PP(Polypropylene), −10℃+125/140℃
* Sterilized by E.O gas : DM.Con3052

〈M1〉

		Pk.	Price, ₩	Cs.	Price, ₩
DM.Con3051	(1) Container, PP, 30㎖, Φ39×h29mm, Non-sterile, Bulk Pack	50ea	5,780	500ea	53,520
DM.Con3052	(2) , **Sterile**, Individual Pack	1ea	180	500ea	76,500

mediclin® 30㎖ PP Specimen Container, with Screwcap, Sterile or Non-sterile, Autoclavable

Ideal for Collecting Sputum and Medical Samples, 125/140℃ Stable, **객담통, 객담 및 의료용 샘플 검사용, 멸균 & 비멸균**



■ ***스크류 캡이 있어 표본을 청결 & 안전하게 보관***
* CE Certified for DM.Con3031 (Non-sterile)
* Sterilized by E.O gas for DM.Con3032
* Highly Transparent for Easy Viewing of Samples

〈M1〉

		dh. Pk.	Price, ₩	Cs.	Price, ₩
DM.Con3031	(1) Container, PP, 30㎖, Φ49×h34mm, Non-sterile, Bulk Pack	20ea	3,940	1000ea	163,920
DM.Con3032	(2) , **Sterile**, Individual Pack	20ea	4,330	500ea	90,210

20㎖ PE Sputum Collection Container, with Easy to Open Snap Cap

Useful for Sample Collection and Storage, <Korea-Made> **객담통**



■ ***객담 채취 및 보관에 용이*** ■ ***라벨 내용 : 성명 · 성별 · 과별 · 연령 · 전화번호 · 병동***
* Non-Sterile * Translucent PE(Polyethylene), -50℃+80/90℃ Stable

〈M4〉

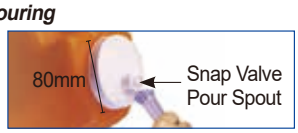
		Pk.	Price, ₩	Cs.	Price, ₩
DM.Con3041	Container, for Sputum, PE, Translucent White, 20㎖, Φ35×30mm	100ea	6,750	1,000ea	67,190

Simport® URISAFE® 24-hr Urine Container, HDPE, with Snap Valve Pour Spout, Graduated, 3 & 4Lit

Chemical Resistant, Ease of Patient Use, Neck ID 80mm, Leakproof, Dripless Pouring, <Canada-Made> **대용량 소변통**



■ ***뚜껑에 스냅밸브 주입구가 있어서 손쉽게 샘플을 튜브에 옮길 수 있음***
■ ***The Unique Snap Valve Pour Spout is easily Popped Open and Offers Dripless Pouring***
■ ***Material : Container-High Density Polyethylene (HDPE), Cap-Polypropylene (PP)***
* Snap Valve Pouring Spout Incorporated
* Reduced Risks of Aerosol Contamination When Pouring
* Convenient Refrigerator Storage with Less Wasted Space
* Can be Gamma Sterilized * Large Centrally Located Handle for Good Balance and Ease of Manipulation
* Resistant to Hydrochloric Acid * Metal, Latex, Zinc and Fluorescence Free
* Available for Freezing, Thawing and EtO Gas Sterilisation * Graduations are Easy to Read, 100㎖ Increments
* Graduated Vertically and Horizontally



〈L1〉

		Ea. Price,₩	Cs.	Price, ₩
SP.B350	(1) Urine Container, HDPE, 3Lit, 115×245×h160mm	5,850	40ea	222,770
SP.B350.4L	(2) , 4Lit, 115×245×h201mm	7,200	30ea	205,380

Simport® UriFlex™ 24-Hr Flexible Urine Collection Bag, Rotating Dripless Spout, Controlled Pour, 4L

Interior-PE & Exterior-PET, For Safe Collection · Transportation · Handling of Urine Samples, **접이식 소변 샘플백**



■ ***Supplied by Simport® in Canada***
■ ***소변샘플의 안전한 채취, 운송, 사용에 적합*** ■ ***Requiring Minimal Space in a Refrigerator***
* Strong, Thick co-extruded Laminated Plastic Film that will not Rip, Tear or Wrinkle under Heavy Weight or Stress.
* Anatomically contoured Funnel(Option) ; Ideal for People with Health Conditions or Impairments
* Dimensions: Empty-33×h26.5cm, Full appx. 29×16×h25cm, 50mm Wide Opening
* Interior made of PE & Exterior made of PET, White PP Cap & PE Spout
* Made of UV-Resistant Materials for Testing Light-sensitive Analytes
* Flat when Empty, Free-standing and Stable when in Use
* Drastically Reduce Transportation and Storage Cost
* Integrated Patient Identification Area
* Tare Weight of 64 g (±1 g)
* No Graduations, Liquid Volume is Determined by Weight



Fig. Urine Bag with a Funnel (Option)

〈L1〉

		Ea. Price,₩	Cs.	Price, ₩
SP.B351.4	Urine Bag, 4L, Neck id. Φ50mm, Empty : 33×h26.5cm	6,300	30ea	179,720
SP.B351.4FU	**Optional** Funnel, PP, for Urine Bag	1,900	30ea	54,080

Articles	Cat. No	Description



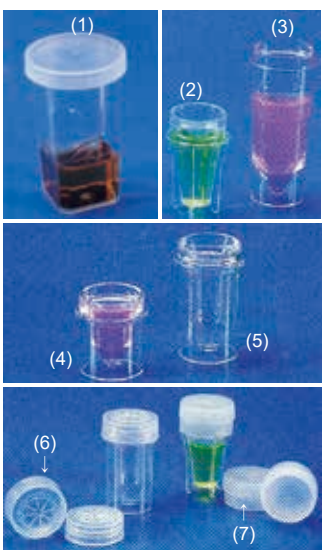
Mediland® Contagious Waste Box, PP, with Needle Remover & Safety Locking Lid, 1 & 2 Lit
Ideal for Storage and Disposal of Contagious Waste, −10℃+125/140℃, **감염성 폐기물 전용용기**

■ Made in Korea ***■ Consist of Container, Needle Remover and Safety Locking Lid.***
* Protect User from Contact with Needle and Contagious Waste.
* Marked with a Biohazard Symbol.
* Ideal for Safe Storage or Transport of Biohazard Waste.

〈M4〉

		Ea. Price,₩	Cs.	Price, ₩
M7.004	(1) Contagious Waste Box, 1Lit, 110×80× h130mm	2,880	30ea	79,690
M7.005	(2) , 2Lit, 140×95× h196mm	3,220	30ea	89,070

, Laboratory 연구실험용 컨테이너



Kartell® Blood Sample Cup, PS, for Auto Blood Measurements
Disposable, −10℃+70/80℃, <Italy-Made> **혈액 분석 장비용 샘플 컵**

〈L1〉

1. Coulter® 20㎖ Blood Cell Counter Cup, with PE Snap Cap

		Pk.	Price, ₩
KA.936	(1) Blood Counter Cup, 20㎖, Φ30×h55mm, for Toa® & Royco-Hycel®	200ea	51,450

2. Blood Sample Cups, without Cap, Caps sold Separately
* for Technicon® / Contrifichem® / Technicon® / Backman® / Genseac® / Konelab®

		Pk.	Price, ₩
KA.2503	(2) Sample Cup, for Technicon® & Konelab®, 1.5㎖, Φ13.9×h24.7mm	1000ea	33,440
KA.2508	(3) , 4.0㎖, Φ17.26×h37.9mm	1000ea	57,400
KA.2510	(4) , for Contrifichem®, 0.25㎖, Φ14×h16mm	1000ea	38,730
KA.2511	(5) , for Technicon® & Backman® & Genseac®, 0.50㎖, Φ13.55×h24.5mm	1000ea	33,550

Optional PE Cap for the Sample Cups, −40℃+80/90℃ Stable

		Pk.	Price, ₩
KA.2512	(6) Cap, for 2510 / 2511 Cups, Φ15.7×h5.9mm	1000ea	29,870
KA.2514	(7) Push-On Cap, for 2503 / 2510 / 2511 Cups, Φ16×h8.5mm	1000ea	38,250



mediclin® 2~3㎖ PS Disposable Blood Sample Cup, for Hitachi™ Analyzer, Glassy-Clear
Ideal for Sample Analysis & Clinical Pathology Testing, CE Certified, **히타치 혈액분석 장비용 샘플 컵**

■ Supplied by DAIHAN Korea
■ 히타치 타입 혈액분석용 샘플 컵
■ CE Certified
* Made of Polystylene(PS), −10℃+70/80℃ Stable
* with Conical Interior & Self-Standing Bottom
* Glassy-Clear
* Non-Autoclavable
* Disposable

〈M1〉

		Pk.	Price, ₩
DM.Cup3101	Blood Sample Cup, Hitachi™, PS, Φ16×h38mm	500ea	12,930



Optional Cap/Stopper

Simport® PS 2.5㎖ Sample Tube for Roche Cobas® Analyzer, Φ12.7×h75mm
With Graduated False Bottom, Self-standing, Barcode Label Areas, PS **샘플튜브, 로슈코바스® 진단분석기용**

■ Supplied by Simport® in Canada
■ Made of Polystyrene
* Used with the Roche Cobas Analyzer
* Caps Can be Ordered Separately

■ 로슈코바스 진단분석기용 샘플튜브
* Perfect Clarity for Easy Viewing of Contents

〈L1〉

		Pk.	Price, ₩	Cs.	Price, ₩
SP.B721.1	Sample Tube, for Roche Cobas, PS, 2.5㎖, Φ12.7×h75mm	1000ea	367,770	2pk	700,490
SL.Sto3701	**Optional Cap/Stopper**, Flange-type, PE, Red	1000ea	22,230	25pk	514,200
KA.88309	, Natural	1000ea	32,500	25pk	787,880



Kartell® Sample Cup for Enzyme Test System, PS, Boehringer ES 300®/ ES 600®
−10℃+70/80℃ Stable, <Italy-Made> PS **엔자임 샘플 컵**

* for Enzyme Test
* Polystyrene(PS), Disposable

〈L1〉

		Pk.	Price, ₩
KA.2602	Enzyme -Test Sample Cup, 2.5㎖, Φ11×h40mm	500ea	24,800

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Simport® HistoTainer Ⅱ™ PP Specimen Container, with PE cap, 50% Filled with 10% Neutral Buffered, 20~120㎖

Ideal for Collection · Transport · Storage of Histology Specimens, <Canada-Made> 조직 표본 · 검사물 보관 용기

For IVD USE 95kPa TESTED



Container with 10% Neutral Buffered Formalin



Packaged in Sturdy Cardboard Box



5-Color Assorted Cap Insert

- ***50% Filling with 10% Neutral Buffered Formalin as a Fixative***
- ***Applications : Microbiology, Drug Testing, Urin Analysis, Histology, Pathology***
- ***Shatter Resistant Polypropylene Containers, Eliminating Most Problems of Leakage and Evaporation***
- ***Capinsert™ : Color Cording on Top of the Closure***

* White Ribbed Lids : Easy to Open as Wearing Gloves or Wet Hands
* Stackable for Easy, Safe Storage
* Can be Viewed without Having to Open the Lid
* Container's Vertical Walls Offer Excellent Rigidity
* Sturdy Cardboard Boxes Packaging : Easy to Move with Handle in Package
* The HistoTainer™ Ⅱ is half filled with a fixative. 10% Neutral Buffered Formalin penetrates quickly and fixes slowly. The Formalin is enhanced by a buffering capacity optimizing histological results by light microscopy and immunohistochemistry.

〈L1〉

		Pk.	Price, ₩	Cs.	Price, ₩
SP.M961.20	Container, HistoTainer, 20㎖ , Φ35×h53mm	24ea	34,270	4pk	126,800
SP.M961.40	, 40㎖ , Φ48.5×h53mm	24ea	30,670	4pk	113,500
SP.M961.60	, 60㎖ , Φ48×h62mm	24ea	33,380	4pk	123,590
SP.M961.90	, 90㎖ , Φ58×h62mm	24ea	42,280	4pk	156,540
SP.M961.120	, 120㎖, Φ58×h77.5mm	24ea	47,140	4pk	174,480

Optional Color Cap Insert, for Color Coding Purpose, 5-Color Assorted

* 5-Color Assorted ; Blue, Lilac, Red, White and Yellow
* with Writing & Marking Area on Surface of Insert
* Can be Inserted of Top of the Cap.

		Pk.	Price, ₩	Cs.	Price, ₩
SP.T345AS	Cap Insert, 5 Color Assorted	100ea	4,800	5pk	22,800

Simport® SecurTainer™ PP Specimen Container, with PE Tamper Evident Screwcap, Non-Sterile, 20~120㎖

Designed for Collection, Transport and Storage of Specimens, −90℃+100℃, Stackable, <Canada-Made> 기밀 유지 샘플 컨테이너



(1) with Push Tap



(2) without Push Tap

(1) with Push Tap Evident Screwcap

〈L1〉

* Using a Tab Locking Mechanism

		Pk.	Price, ₩	Cs.	Price, ₩
SP.C575.20	PP Container, Specimen, 20㎖ , Φ35×h53mm	100ea	50,520	5pk	240,480
SP.C575.40	, 40㎖ , Φ48.5×h53mm	100ea	62,820	5pk	299,030
SP.C575.60	, 60㎖ , Φ48×h62mm	100ea	65,790	5pk	313,090
SP.C575.90	, 90㎖ , Φ58×h62mm	100ea	84,400	4pk	321,450
SP.C575.120	, 120㎖, Φ58×h77.5mm	100ea	85,250	3pk	243,490



Place Sample in Container.



Push up Tab on Side of Vial.



Screw on Tampler Evident Cap completely.



When opening the Vial, the Tamper Evident Ring will Detach itself from the Cap.



The SecureTainer™ can also be used without the Tamper Evident Feature.

(2) with Non-Push Tap Evident Screwcap, 편리형 NEW

- ***Push Tap 없이 자동으로 기밀 Ring 작용됨.***

* Tamper Evident Sealing Ring is Automatically Locked in Place.

		Pk.	Price, ₩	Cs.	Price, ₩
SP.C576.20	PP Container, Specimen, 20㎖ , Φ35.4×h51.7mm	100ea	47,470	5pk	226,020
SP.C576.40	, 40㎖ , Φ48×h52.2mm	100ea	60,670	5pk	288,840
SP.C576.60	, 60㎖ , Φ48×h61.7mm	100ea	61,870	5pk	294,580
SP.C576.90	, 90㎖ , Φ58.2×h61.6mm	100ea	79,390	4pk	302,430
SP.C576.120	, 120㎖, Φ58.2×h77.5mm	100ea	85,680	3pk	244,770

Articles	Cat. No	Description



(1) Snap Cap-type



(2) Screwcap-type

Kartell® 1~180㎖ Sample Container, LDPE, −50℃+80/90℃ Stable, Tight Sealing
With Attached Snap Cap and Screwcap, <Italy-Made> LDPE 샘플 컨테이너

〈L1〉

(1) Attached Snap Cap, 1~35㎖

		Pk.	Price, ₩	Cs.	Price, ₩
KA.730	Container, w/ Push Cap, LDPE, 1㎖ , Φ8×h32mm	10ea	4,230	50pk	195,350
KA.731	, 2.5㎖, Φ14×h32mm	10ea	4,230	10pk	39,080
KA.737	, 5㎖ , Φ15×h49mm	10ea	6,050	10pk	55,930
KA.733	, 7㎖ , Φ23×h33mm	10ea	7,870	10pk	72,790
KA.732	, 8㎖ , Φ17×h57mm	10ea	6,790	10pk	62,830
KA.734	, 20㎖ , Φ25×h74mm	10ea	7,200	10pk	66,650
KA.736	, 25㎖ , Φ31×h 53mm	5ea	5,780	10pk	53,440
KA.735	, 35㎖ , Φ31×h75mm	5ea	6,240	10pk	57,650

(2) With Screwcap, Perfect Sealing, 5~180㎖

		Ea.	Price, ₩	Pk.	Price, ₩
KA.910	Container, w/ Screwcap, LDPE, 5㎖ , Φ21×h36mm		4,000	10ea	38,770
KA.911	, 10㎖ , Φ21×h58mm		4,790	10ea	46,340
KA.912	, 30㎖ , Φ35×h53mm		5,570	10ea	53,890
KA.913	, 60㎖ , Φ35×h94mm		6,790	10ea	65,780
KA.914	, 90㎖ , Φ55×h63mm		8,370	10ea	81,040
KA.916	,180㎖, Φ55×h110mm		9,240	10ea	89,600

Wisd™ PP Straight Sided Measure™ Container, Jar-Type, Precisely Graduated, Autoclavable, 25~1,000㎖
Transparent, with BS Standard Large Neck Screwcap / Lip Sealed, Leakproof, 대광구 메스 컨테이너/계량 컨테이너, 정밀 눈금



■ ***Made in Korea*** ■ ***식품 및 실험실 시료 보관에 적합***
■ ***Ideal for Foodstuffs and Laboratory for Storage of Samples, Powders, etc.***
* Useful Straight Sided / Large Neck Bottles with Lip Sealed Screwcaps / Leakproof.
* Transparent Bottle and White Opaque Cap. BS Standard Thread
* Good Chemical Resistance & High Temperature 125/140℃, Autoclavable
* 121℃ Autoclavable, 125/140℃ Stable.

※ **Note! When Autoclaving, Loosen Off the PP Screwcap!!**

〈L1〉

		Pk.	Price, ₩	Cs.	Price, ₩
DH.Con3012	Container, PP, scale, 25 / 5㎖ , Φ37×h37mm	5ea	5,950	12pk	66,000
DH.Con3013	, 50 / 5㎖ , Φ37×h64mm	5ea	6,930	9pk	57,670
DH.Con3014	, 125 / 12.5㎖ , Φ58×h60mm	4ea	6,630	9pk	55,130
DH.Con3015	, 250 / 25㎖ , Φ58×h106mm	4ea	11,030	6pk	61,200
DH.Con3016	, 500 / 50㎖ , Φ92×h95mm	4ea	14,480	2pk	26,800
DH.Con3017	, 1,000 / 50㎖ , Φ92×h168mm	4ea	15,800		



1~20Lit Disposable Container, PP & HDPE, with Tamper Evident Lid & Handle
Ideal for Collection · Transport · Storage, Leakproof, PP & HDPE 기밀 유지 컨테이너/용기

■ ***Supplied by Simport®(SP.~) & DAIHAN Korea(DH.~)*** ■ ***Can be Reusable.***
* A Tamperproof Lid which is Opened by First Removing Tab on Side of Lid
* Tightened Tamper Evident Lid Prevent to Leaks and Odors.
* PP : 125/140℃, HDPE : 105/120℃

〈L1〉

		Ea.	Price, ₩	Cs.	Price, ₩
SP.C581.1L	Container, PP, 1 Lit , Φ111×h140 mm, Plastic Handle		2,700	100ea	252,340
SP.C581.2600	, 2.6 Lit, Φ220×h124 mm, Plastic Handle		6,700	25ea	158,670
DH.Bot3432	, HDPE, 4 Lit , Φ210×h185 mm, Plastic Handle		4,970	35ea	160,440
DH.Bot3433	, 7 Lit , Φ262×h210 mm, Steel Handle		5,840	35ea	189,130
DH.Bot3434	, 10 Lit , Φ262×h255 mm, Steel Handle		6,890	30ea	191,250
DH.Bot3435	, 20 Lit , Φ312×h375 mm, Steel Handle		10,230	20ea	189,130



VITLAB® 30~180㎖ PFA Sample Bottle, Screwcap, Transparent
Excellent for Chemical and Corrosion Resistance, −200℃+260℃, <Germany-Made> PFA 투명 샘플 바틀

■ ***Supplied with Hermetically Sealing Screw-caps, Translucent, Stable high Temp and Chemical Attack.***
* for Sample Collection, Ideal for Analytical & Pure Chemicals and High Thermal Stability

〈L1〉

		Ea.	Price, ₩
VI.1302.97	Bottle, 30㎖ , Φ38×h54mm , Cap GL40		62,830
VI.1303.97	, 60㎖ , Φ38×h90mm , Cap GL40		72,290
VI.1304.97	, 90㎖ , Φ54×h62mm , Cap GL56		79,850
VI.1305.97	, 180㎖, Φ54×h112mm, Cap GL56		99,120

※ The Price(VAT is extra) for Korean End-user, and Changeable.



Cowie® PTFE Teflon Container, with Heavy Wall Construction, Autoclavable, 15~2200㎖

With PTFE Screwcap, −200℃+280℃ Stable, <UK-Made> PTFE 테플론 자, 불투명

∗ 2,200㎖ Jar can be Used for EPA Method 1311 TCLP. ∗ Pure, Virgin Material, PTFE
∗ Smooth Internal Finish

〈L1〉

		Ea. Price, ₩
CW.038.015	Container, 15㎖, Φ36×h34mm	43,720
CW.038.030	, 30㎖, Φ36×h62mm	57,040
CW.038.060	, 60㎖, Φ60×h46mm	69,420
CW.038.120	, 120㎖, Φ72×h62mm	95,820
CW.038.240	, 240㎖, Φ72×h100mm	122,180
CW.038.360	Container, 360㎖, Φ90×h95mm	175,450
CW.038.480	, 480㎖, Φ90×h125mm	197,170
CW.038.1000	, 1000㎖, Φ110×h160mm	319,280
CW.038.2200	, 2200㎖, Φ134×h260mm (Body Φ120)	610,800





Wisd™ Reusable Pipetting/Reagent Reservoir, PP, Sterile or Non-sterile, Autoclavable, 50㎖

Good for Chemical & Heat-Resistance, −10℃+125/140℃ Stable, PP 피펫용액 저수조

■ ***Supplied by DAIHAN Korea***
∗ Ideal for Liquid Transfer and Repetitive Pipettors of Single & Multi-channel.

〈L1〉

(1) Non-sterile Bulk Package

		Pk.	Price, ₩	Cs.	Price, ₩
DH.Con3301	Reservoir, PP, Non-sterile, 134×40×h25mm, 50㎖	20ea	8,290	40pk	306,900

(2) Sterile Individual Package

		Pk.	Price, ₩	Cs.	Price, ₩
DH.Con3302	Reservoir, PP, **Sterile**, 134×40×h25mm, 50㎖	1ea	530	200ea	95,150



Wisd™ Disposable Divided Pipetting/Reagent Reservoir, PS, V-Bottom, 50(35 & 15)㎖

With Graduation, Sterile or Non-sterile, 146×81×h27mm, 일회용 피펫용액 저수조, 분할형

■ ***Supplied by DAIHAN Korea***
■ ***Made of Virgin Rigid Polystyrene(PS), −10℃+70/80℃ Stable***
■ ***분할된 공간으로 여러 시약을 동시에 사용하는 실험에 이상적***
■ ***"V" 모양의 바닥으로 소량으로도 멀티 피펫팅이 가능***
∗ Ideal for Liquid Transfer and Repetitive Pipettors of Single & Multi-channel.
∗ Suitable for 4 & 8 Channel Pipettes
∗ Tapered "V" Bottom Minimize Reagent loss and Maximize Recovery
∗ Dripless Pouring Spouts on Every 4 Corners ∗ with Graduation
∗ "Separation Shoulders" Prevent Stacked Reservoirs from Sticking Together
∗ Sterile Reservoirs are Sealed in PE Packaging



Sealed in PE Packaging

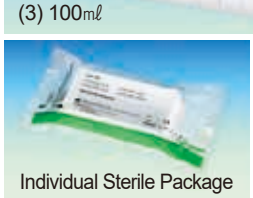
〈L1〉

		Pk.	Price, ₩	Cs.	Price, ₩
DH.Con3303	Reservoir, PS, Divide-50(35+15)㎖, Non-sterile, Bulk			100ea	60,390
DH.Con3304	, **Sterile**, 1pcs/PE Package	1ea	1,170	100pk	108,340









Biofil® Disposable Pipetting/Reagent Reservoir, PS & PET, 25 · 50 · 100㎖

Sterile or Non-sterile, Designed for Liquid Transfer and Repetitive Pipettors, 일회용 피펫용액 저수조

■ ***안정적인 바닥 구조로, 저장 및 피펫팅 시 안정적인 작업이 가능*** ■ ***"V" 모양의 바닥으로 시료를 효율적으로 사용 가능***
■ ***Manufactured in Class 100,000 Cleanroom with Materials Conforming to USP CLASS VI Standards under the Quality Control of ISO 13485 & 9001 and CE.***
■ ***Batch Certifications : Lot No. is Printed on Every Case (or Pack) for Quality Traceability.***
■ ***Made of Polystyrene (PS), −20℃+50℃ & Polyethylene Terephthalate(PET).***
∗ Slightly Tilted Inner Surface, Helping to reduce Residue ∗ DNase and RNase free, Non-pyrogenic
∗ Angled Sides and V-shaped Bottom Permits Easy Access to Solution.

(1) 25㎖ PS Reservoir, V-Shape Bottom with Graduation, 146×60×h24mm

〈L1〉

		Pk.	Price, ₩	Cs.	Price, ₩
J1.LTT012.025	Reservoir, PS, 25㎖, **Sterile**, Individual Package	1ea	830	50ea	37,030
J1.LTT002.025	, Non-sterile, Bulk			100ea	34,850

(2) 50㎖ PET Reservoir, without Graduation, 135×53×h27.4mm

		Pk.	Price, ₩	Cs.	Price, ₩
J1.LTT011.050	Reservoir, PET, 50㎖, **Sterile**, Individual Package	1ea	1,130	80ea	59,820
J1.LTT010.050	, Non-sterile, 1pcs/pk	1ea	1,000	80ea	52,780

(3) 100㎖ PS Reservoir, V-Shape Bottom with Graduation, 146×83×h32mm

		Pk.	Price, ₩	Cs.	Price, ₩
J1.LTT012.100	Reservoir, PS, 100㎖, **Sterile**, Individual Package	1ea	1,380	50ea	45,370
J1.LTT002.100	, Non-sterile, Bulk			100ea	56,640

Articles	Cat. No	Description

mediclin® 150 & 200-height Container Tray and Handled Flat Lid Separately, For Foodstuff · Medical · Laboratory, 2.3~29Lit

Stainless-steel #201, High Finished Surface & Corrosive Resistance, 스텐레스 컨테이너와 뚜껑(별매)

NEW



(1) h150mm Tray / Container



(2) h200mm Tray / Container



(3) Lid / Cover

■ ***Supplied by DAIHAN Korea*** ∗ High Polished, Smooth-Contour, Seamless.
∗ Autoclavable ∗ The Volume(Lit) Appoximately. ∗ Useful For Storage Containner.

〈M1〉

(1) 150mm-height Container Tray Only, 2.3~23Lit

		Ea.	Price, ₩
DM.Tra761	Tray, SS, 176×108×h150mm, approx-2.3Lit		16,580
DM.Tra762	, 176×162×h150mm, -3.5Lit		18,630
DM.Tra763	, 265×162×h150mm, -5.5Lit		19,120
DM.Tra764	, 325×176×h150mm, -7.5Lit		23,530
DM.Tra765	, 325×265×h150mm, -10Lit		35,700
DM.Tra766	, 353×325×h150mm, -15Lit		50,870
DM.Tra767	, 530×325×h150mm, -23Lit		56,220

(2) 200mm-height Container Tray Only, 4.7~29Lit

		Ea.	Price, ₩
DM.Tra771	Tray, SS, 176×162×h200mm, approx-4.7Lit		27,420
DM.Tra772	, 325×265×h200mm, -15Lit		44,000
DM.Tra773	, 353×325×h200mm, -19Lit		60,550
DM.Tra774	, 530×325×h200mm, -29Lit		65,410

(3) Container Tray Lid Only, Flat-Form with Handle; Fit to All Trays of Same Size Length & Width (above Mentioned)

∗ Stackable Structure.

		Ea.	Price, ₩
DM.Tra701	Tray Lid, 176×108mm		4,540
DM.Tra702	, 176×162mm		5,970
DM.Tra703	, 265×162mm		8,620
DM.Tra704	, 325×176mm		9,190
DM.Tra705	, 325×265mm		13,230
DM.Tra706	, 353×325mm		18,050
DM.Tra707	, 530×325mm		18,260



Aluminum Container

Lotte® 500 & 900㎖ Disposable Rectangular Aluminum Container with Lid

Good for Foodstuffs, Ultra-light, Heat-Resistant, Conductive, 다용도 알루미늄 사각 컨테이너

〈B3〉

∗ Good for Environmental Protection : Biodegradable Material. ∗ Harmless

		Pk.	Price,₩	Cs.	Price, ₩
L5.110	Rectangular Aluminum Container, Thick 55㎛, 180×140×h30mm, 500㎖	10ea	4,230	30pk	117,170
L5.130	, Thick 70㎛, 200×150×h35mm, 900㎖	5ea	2,550	60pk	140,930



Compact Utility Stainless-steel Square Containner, with Lid, 230 & 1,000㎖, 다용도 스테인레스 4각 캔

〈L3〉

■ ***Made in Korea*** ∗ Multi-purpose : Laboratory, Medical.

		Ea.	Price, ₩
C9.302G	Square Can, 70×70×h50mm, 230㎖ Full		7,800
C9.304G	, 125×125×h75mm, 1,000㎖ Full		18,200



0.9~3Lit Stainless-steel Water Container, with Separable Multi Ring Lid Set & Handle

For Indirect-heating, Rustfree, Stainless-steel 18/10, 다단링 뚜껑식 스텐 워터 컨테이너

■ ***Supplied by SciLab Korea*** ■ ***Ideal for Small Articles and Containers***
∗ Convenience due to the Multi-stage Open Ring Cover
∗ Made of Rustfree Stainless-steel 18/10, Seamless, and Finished Surface
∗ 5 Ring Lid Set Size : 30, 42, 57, 75, 95mm ∗ 6 Ring Lid Set Size : 30, 42, 57, 75, 100, 137mm
∗ 7 Ring Lid Set Size : 30, 42, 57, 75, 100, 115, 160mm

〈L1〉

		Ea.	Price, ₩
SL.Bat7016	Water Container, Stainless-steel, 5 Ring Lid Set, Φ127×h 90mm, 900㎖		53,590
SL.Bat7017	, 6 Ring Lid Set, Φ152×h102mm, 1,500㎖		80,390
SL.Bat7018	, 7 Ring Lid Set, Φ203×h127mm, 3,000㎖		96,440



1~5Lit Stainless-steel Cylindrical Container, with Lid & Handle

Non-magnetic Stainless-steel 18/10, Rust-free, 비자성 스텐 컨테이너

〈L1〉

■ ***Supplied by SciLab Korea***

		Ea.	Price, ₩
SL.Con7011	Container, Stainless-steel, Φ100×h140mm, 1Lit		75,000
SL.Con7012	, Φ130×h150mm, 2Lit		91,090
SL.Con7013	, Φ155×h180mm, 3Lit		107,140
SL.Con7014	, Φ175×h240mm, 5Lit		128,580

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



1Lit PP Clear Rectangular Container, with Clear Lid, Stackable
Ideal for Storage, 105×170×h65mm, PP 투명 컨테이너

■ ***Made in Korea*** ∗ Transparent Polypropylene ∗ Autoclavable

〈B1〉

Cat. No	Description	Pk.	Price, ₩
DH.Con3060	Container, PP, Clear, 105×170×h65mm, 1Lit	3ea	4,080



10 · 20 · 30Lit PP White Container, Ideal for Storage, with Lid, PP 컨테이너

■ ***Made in Korea*** ■ ***넉넉한 공간*** ■ ***다단 적재 가능***
∗ Ideal for Storage ∗ White Polypropylene ∗ UV Protection ∗ Autoclavable

〈B1〉

Cat. No	Description	Ea.	Price, ₩
DH.Con3041	Container, PP, w/Lid, 270×380×h100mm, 10Lit		10,000
DH.Con3042	, 270×380×h200mm, 20Lit		12,030
DH.Con3043	, 270×380×h300mm, 30Lit		14,070



270 & 960㎖ PP Light-duty Container, Microwavable, with Lid, Stackable
Ideal for Storage and Transport, Multiuse, −10℃+125/140℃, PP 경량 밀폐용기

■ ***Made in Korea*** ■ ***전자레인지, 식기세척기, 냉동실 사용가능***
∗ Made of PP(Polypropylene), −10℃+125/140℃
∗ Stackable, Multi-purpose Sealing Lid Box ∗ Microwave, Freezer Usable

〈B1〉

Cat. No	Description	Ea. Price, ₩	Pk.	Price, ₩
DH.Con3031	Container, PP, Storage, 270㎖, 130×90×h50mm	690	3ea	1,990
DH.Con3032	, 960㎖, 140×140×h85mm	1,020	4ea	3,960



(1) Square type



(2) Rectangular type



(3) Rectangular Sectional type

LOCK&LOCK® PP Tight-sealing Container, Translucent, with Lid, 180~3,900㎖
Ideal for Boiling · Microwave Oven · Sampling & Storage, Autoclavable, −10℃+125/140℃, PP 밀폐 용기

■ ***Made of Polypropylene***

〈B4〉

(1) Square type, 600~1,600㎖

Cat. No	Description	Ea. Price,₩	Cs.	Price, ₩
L3.HPL854	Container, PP, 600㎖ , 134×134×h60mm	4,250	9ea	
L3.HPL855	, 860㎖ , 134×134×h88mm	4,250	12ea	
L3.HPL823	, 870㎖ , 155×155×h60mm	5,170	6ea	
L3.HPL822D	, 1,200㎖, 155×155×h87mm	5,960	8ea	
L3.HPL858	, 1,600㎖, 205×205×h65mm	7,030	18ea	

(2) Rectangular type, 180~3,900㎖

Cat. No	Description	Ea. Price,₩	Cs.	Price, ₩
L3.HPL805	Container, PP, 180㎖ , 108×88×h48mm	2,390	16ea	
L3.HPL806	, 350㎖ , 135×102×h52mm	3,590	16ea	
L3.HPL807	, 470㎖ , 135×102×h68mm	3,590	12ea	
L3.HPL811	, 600㎖ , 151×108×h69mm	4,250	9ea	
L3.HPL815M	, 850㎖ , 181×128×h68mm	5,570	18ea	
L3.HPL817	, 1,000㎖, 205×134×h69mm	5,570	8ea	
L3.HPL826M	, 2,100㎖, 248×180×h76mm	8,210	12ea	
L3.HPL834	, 3,900㎖, 295×230×h84mm	13,510	6ea	

(3) Rectangular Sectional type, 550~3,900㎖

Cat. No	Description	Ea. Price,₩	Cs.	Price, ₩
L3.HPL815C	Container, Sectional, 550㎖ , 181×128×h52mm, 2section	5,830	12ea	
L3.HPL817C	, 1,000㎖, 205×134×h69mm, 3section	7,030	9ea	
L3.HPL834C	, 3,900㎖, 295×230×h84mm, 4section	16,290	6ea	



PP Sectional Utility Container, with 2 Dividers, 9~24Lit
Ideal for Storage, PP 조립형 칸막이 컨테이너

■ ***Made in Korea***
∗ with 2 Dividers ∗ Translucence ∗ Lightweight for Easy Handling

〈B1〉

Cat. No	Description	Ea.	Price, ₩
DH.Con3052	Container, PP, w/2 Dividers, 455×164×h133mm, 9Lit		15,280
DH.Con3053	, 455×239×h133mm, 12Lit		17,320
DH.Con3055	, 455×165×h243mm, 16Lit		23,840
DH.Con3056	, 455×238×h255mm, 24Lit		27,510

Articles	Cat. No	Description


(1)


(2)

Kartell® HDPE Container, Stackable, White, 10 · 16 · 20Lit

Made of High-density Polyethylene(HDPE), −50℃+105/120℃, <Italy-Made> HDPE 大형 컨테이너, 백색

〈L1〉

(1) Standard Model

Cat. No		Ea.	Price, ₩
KA.542	Container, 10 Lit, O.D 415×310×h97mm		35,520
KA.543	, 16 Lit, 540×350×h115mm		62,380
KA.544	, 20 Lit, 458×410×h145mm		66,700

(2) With 14 Drain-holes at Bottom Edge

∗ Drain-holes Dimension : 9×27mm ∗ Ideal for Defost Sample and Storage

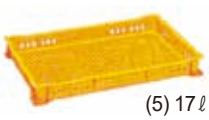
Cat. No		Ea.	Price, ₩
KA.547	Container, with draining holes, 16Lit, O.D 540×350×h115mm		71,000

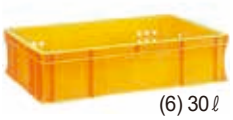

(1) 21 ℓ


(2) 26 ℓ


(3) 30 ℓ


(4) 10 ℓ


(5) 17 ℓ


(6) 30 ℓ

National® PPC/HDPE Heavy-duty Drain Container, with Handle, 10~30 Lit

Ideal for Food, HDPE 105/120℃, PPC 100℃ Stable, <Korea-Made> 통기/배수형 강력 바스켓

∗ Ideal for Food Stuff. ∗ Used in Drying · Storage · Transfer · &c.

※ 운임 별도 〈L3〉

With Handle, 21~30 Lit

Cat. No		Ea.	Price, ₩
N2.NBK502	(1) Tray, Drain, HDPE, 21 ℓ, 620×410×h150mm(outside)		13,000
N2.NAP102N	(2) , 26 ℓ, 523×366×h183mm(outside)		8,280
N2.NAP204N	(3) , 30 ℓ, 572×416×h182mm(outside)		9,790

Without Handle, 10~30 Lit

Cat. No		Ea.	Price, ₩
N2.NFC0407	(4) Tray, Drain, HDPE, 10 ℓ, 495×380×h82mm(outside)		5,740
N2.NMP0305	(5) , PPC , 17 ℓ, 700×459×h85mm(outside)		16,800
N2.NBK505	(6) , HDPE, 30 ℓ, 630×388×h160mm(outside)		13,340


Transparent Type

National® PP Air-tight Storage · Transfer Container, with Sealing Lid, 13 · 29 · 40 Lit

Multi-purpose, Stackable, Transparent, 125/140℃, 운수/저장 밀폐상자, 투명성

■ ***Made in Korea***

∗ Chemical · Corrosion · Weather · Heat Resistant PP Material.

※ 운임 별도 〈L3〉

Cat. No		Ea. Price,₩	Cs.	Price, ₩
N2.N0189	Container, PP, Transparent, 13 ℓ, 282×363×h195mm	15,190	16ea	
N2.N0188	, 29 ℓ, 363×569×h195mm	27,850	8ea	
N2.N0187	, 40 ℓ, 363×569×h255mm	30,040	6ea	



National® PP Transparent Storage · Transfer Container, with Sealing Lid and Casters, 75 Lit

Multi-purpose, Stackable, 125/140℃, 저장/이동 투명상자

■ ***Made in Korea***

∗ Chemical · Corrosion · Weather · Heat Resistant PP Material.

※ 운임 별도 〈L3〉

Cat. No		Ea.	Price, ₩
N2.N0194	Container, PP, with Caster, 75 ℓ, 420×740×h332mm		37,640

※ The Price(VAT is extra) for Korean End-user, and Changeable.



Normal Size (Φ12~50)

SciLab® Cork Stopper, Air Permeable, Superior Grade Corks Made of Eco Friendly Materials, 친환경 콜크마개

■ ***Made in Korea***
■ ***Cork Using 100% Natural Ingredients Harmless to Human Body and Environment-friendly***
■ ***Air Permeable*** ■ ***Renewable and Recyclable***
* Strong Elastic * Insulation Effect * Strength : 170~240 (kg/m³)
* Ideal for Cell / Tissue Culture, General Lab / Medical Sample Vessel, Microbiological / Chemical / Biological Agriculture, Medicine



Large Size (Φ55~75)

Specifications & Ordering

* The Size : Similar to silicone Stopper Size

<L1>

Cat. No.	Stopper Number	Stopper Size ΦUpper/Bottom×H(mm)	Pk. Price ₩
SL.Sto9011	No.2	Normal Size Φ12 / 9×h15mm	10ea 1,500
SL.Sto9012	No.3	Φ15 / 11×h20mm	10ea 1,630
SL.Sto9013	No.4	Φ17 / 13×h20mm	10ea 1,750
SL.Sto9014	No.4-1	Φ19 / 15×h20mm	10ea 1,880
SL.Sto9015	No.5	Φ21 / 16×h27mm	10ea 2,750
SL.Sto9016	No.6	Φ23 / 18×h27mm	10ea 3,000
SL.Sto9017	No.7	Φ25 / 20×h27mm	10ea 3,250
SL.Sto9018	No.8	Φ27 / 21×h30mm	10ea 4,130
SL.Sto9019	No.9	Φ30 / 24×h30mm	10ea 4,630
SL.Sto9020	No.11	Φ33 / 27×h30mm	10ea 5,250
SL.Sto9021	No.12	Φ36 / 30×h30mm	10ea 9,750
SL.Sto9022	No.14	Φ41 / 33×h39mm	5ea 5,380
SL.Sto9023	No.15	Φ45 / 37×h39mm	5ea 6,000
SL.Sto9024	No.16	Φ50 / 42×h39mm	5ea 6,500
SL.Sto9025	No.18	Large Size Φ55 / 47×h39mm	5ea 7,250
SL.Sto9026	No.20	Φ60 / 52×h39mm	5ea 8,500
SL.Sto9027	No.21	Φ65 / 57×h39mm	5ea 9,380
SL.Sto9028	No.23	Φ70 / 62×h39mm	1ea 1,980
SL.Sto9029	No.24	Φ75 / 67×h39mm	1ea 2,330



Cork Borer Set of 6pcs, with Plastic Handle, for Φ5~Φ11mm Ideal for Cock- & Rubber-stopper, Brass with Chromed, 콜크보러

■ ***Supplied by SciLab Korea***
* Brass with Chromed, Plastic Coated on Handle * Use to Bore Holes in Cork and Rubber Stopper
* Perforation Dia. Φ5~Φ11mm, Set of 6pcs * With Ejector

<L1>

		Ea.	Price, ₩
SL.Cor7021	Cork Borer, 6 pcs/set, dia. Φ5~Φ11mm		26,920



SciLab® Stainless-steel Cork Borer, Set of 12pcs, for Φ5~Φ23mm With Vinyl-coated Handle, 기본형 콜크보러

■ ***Made in Korea***
* Ideal for Cock- & Silicone-stopper * Perforation dia, Φ5~Φ23mm

<L1>

		Ea.	Price, ₩
SL.Cor7012	Cork Borer, 12 pcs/set, Perforation dia, Φ5~Φ23mm		46,200



Set of 3~18pcs

Cork Borer Set, 3pcs~18pcs, Φ5~Φ26mm Brass with Chromed, 광역 콜크보러

■ ***Supplied by SciLab Korea*** * Feature Individual Handles and a Rod for Cleaning Borers
* To Fit Cork Borer with the appropriate Glass Tubing or Thermometer

<L1>

		Ea.	Price, ₩
SL.Cor7031	Cork Borer, 3 pcs / 1set, bore dia. Φ5~Φ8mm		23,290
SL.Cor7032	, 6 pcs / 1set, Φ5~Φ11mm		29,120
SL.Cor7033	, 12 pcs / 1set, Φ5~Φ19mm		58,220
SL.Cor7034	, 18 pcs / 1set, Φ5~Φ26mm		101,880



Utility Lab-Scissors, with Stopper Lifter, L150mm With Sharp-Blunt Tip, Stainless-steel 430, Rust-proof, 실험용 다용도 가위, 스토퍼 리프터 겸용

<L1>

■ ***Supplied by SciLab Korea*** * Made of Stainless-steel # 430 * with Sharp-Blunt Tip

		Ea.	Price, ₩
SL.Sci7001	Scissors, w/Stopper Lifter, SS, L150mm, Blade L65mm		8,090

Articles	Cat. No	Description



Bochem® Cork Borer Sharpener, Finished Surface, for all Size Φ5~Φ26mm With Plastic Large Handle, Stainless-steel #430, 콜크 보러 샤프너

■ ***Supplied by Bochem® in Germany***

∗ for all Size Borer Φ5~Φ26mm ∗ Made of Stainless-steel #430

〈L1〉

Cat. No	Description	Ea. Price, ₩
BC.12440	Cork Borer Sharpener with Plastic Handle	63,000


(1)


(2)

SciLab® Cork Ring Support, for Round-bottom Articles, for 50㎖~20Lit Ideal for Flask · Vessels · Dishes, 콜크 링 써포트, 둥근바닥 기물용

■ ***Made in Korea*** ■ ***Made of Compressed Cork for Supporting Flasks or Dishes.***

■ ***An Internal Bevel at Top Provides a Secure Support for Round-bottomed Vessels***

∗ Ideal for Round-bottom Articles Support(Flask / Vessels / Dishes)

〈L1〉

(1) For 50㎖~6000㎖ Round Flask & Vessel

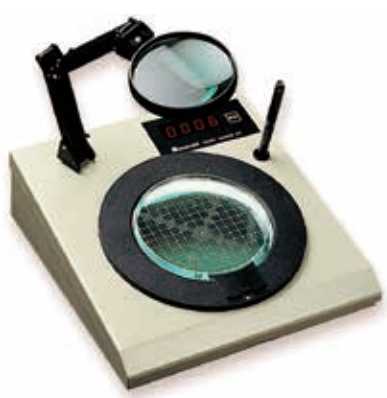
Cat. No	Description	Ea. Price, ₩
SL.Sup9011	Ring Support, od. Φ 75×id. Φ(Upper/Bottom) 55 / 30×h30mm, for 50~100㎖	5,000
SL.Sup9012	Φ 90×id. Φ(Upper/Bottom) 65 / 44×h30mm, for 100~250㎖	5,750
SL.Sup9013	Φ105×id. Φ(Upper/Bottom) 80 / 57×h30mm, for 250~1000㎖	8,000
SL.Sup9014	Φ128×id. Φ(Upper/Bottom) 98 / 78×h30mm, for 500~2000㎖	9,500
SL.Sup9015	Φ155×id. Φ(Upper/Bottom)115 / 103×h30mm, for 2000~6000㎖	11,750

(2) For 10Lit~20Lit Round Flask & Vessel

Cat. No	Description	Ea. Price, ₩
SL.Sup9016	Ring Support, od. Φ300×id.Φ(Upper / Bottom) 185 / 170×h40mm, for 10~20 ℓ	40,000

Counters 세포/콜로니 카운터

Suntex® Digital Colony Counter "CC570", With Pressure Sensor System, Uniform Sensitivity, Up to Φ150mm Petri-Dish With Ring Shape Lamp illuminating Device, 4-Digit Bright Red LED Counting Display, 디지털 콜로니 카운터


"CC570" Up to Φ150mm Petri-Dish

■ ***Made in Taiwan***

■ ***Pressure Sensor System Providing Uniform Sensitivity over the Whole of the Working Field.***

■ ***The Adjustable Focusing Arm enables the Magnifying Glass to be Placed at Various Angles.***

■ ***Flexible Adjuster Accepting Up to 150 mm Petri-Dishes.***

∗ Built-in Electronic Register on Deluxe Model - Operated by Any Pen.
∗ Reset Button Providing Immediate Zeroing of the 4-Digit Counter.
∗ Adjustable Focusing Arm allows 1.5× Standard Lens to be Raised or Lowered Up to your Preference.
∗ Background Plate can be Changed to White or Black for Easy Counting
∗ Lens can be rotated 360° for ready access to Petri-Dish
∗ Readout : 4-Digit Bright Red 0.6″ LED Display
∗ illumination : Ring Shaped Fluorescent Lamp, 30W
∗ Mode of Counting : Marking Pen Counting (Any Pen)
∗ Power Supply : 110V / 220V (Switchable), 50/60Hz
∗ Dimensions : w300×d330×h100mm ∗ Weight : 6.5kg

〈L1〉

Cat. No	Description	Ea. Price, ₩
SU.CC570	Colony Counter, Digital, 220V, 60Hz "CC570" Included in Main Body, 1.5× Auxiliary & Adjustable Focusing Arm, Marking Pen, Power Cord with Plug, Dust Cover	1,366,350
SU.509006	Spare Marking Pen	14,130

※ The Price(VAT is extra) for Korean End-user, and Changeable.

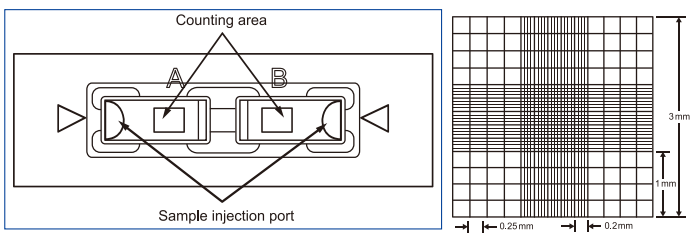
INCYTO® Disposable PMMA Hemocytometer C-Chip™, Microchip Type Hemocytometer
Made of Poly Methyl Methacrylate(PMMA)Chip, Light, Robust, Biocompatible, Transparent, **일회용 정밀 세포수 측정**



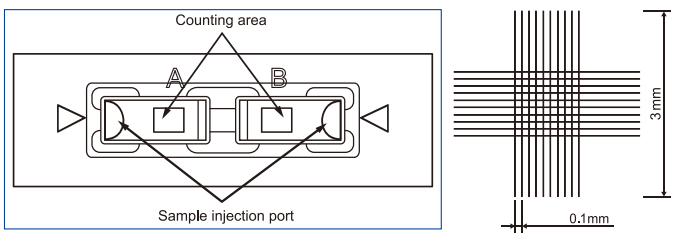
Disposable PMMA Hemocytometer C-Chips™

- ***Made In Korea***
- ***Precise fixed depth counting chamber with superior accuracy and reproducibility***
- ***No need to place cover glass on slide : possible to do precise quantification***
- ***Reduces the risk of exposure to potentially infectious material***
- ***Increases productivity by eliminating cleaning and work interruptions***
- ***PMMA(Poly Methyl Methacrylate) Very light and not breakable, compared with glass***

∗ Blood Analysis(Hematology) : Blood cell counting
∗ Cell Culture : Cell Concentration Measurement. Cell Viability Test
∗ Microbiology : Bacterial & Fungal Spores Counting



(1) Neubauer Improved, C-Chip™



(2) Semen Test, C-Chip™

(1) Neubauer Improved, C-Chip™

∗ Ideal for Blood Analysis, Cell Viability Test, Cell Concentration Measurement
∗ Size : w25×d75×h1.6mm ∗ Grid : System Neubauer Improved Grid
∗ Chamber depth : 0.1mm ∗ Chamber volume : 10㎕

I5.N015 C-Chip, Disposable Cell Counting, Neubauer Improved, 50Pcs
I5.N012 , 20Pcs

〈L3〉

Pk.	Price,₩	Cs.	Price,₩
50ea	84,380	20pk	
20ea	33,750	50pk	

(2) Semen Test, C-Chip™

∗ Ideal for Bacterial & Fungal spores Counting, Sperm Counting
∗ Size : w25×d75×h1.6mm ∗ Grid : Semen Test Grid
∗ Chamber depth : 0.02mm ∗ Chamber volume : 3㎕

I5.S025 C-Chip, Disposable Bacterial Counting, Semen Test, 50Pcs
I5.S022 , 20Pcs

Pk.	Price,₩	Cs.	Price,₩
50ea	168,750	20pk	
20ea	67,500	50pk	

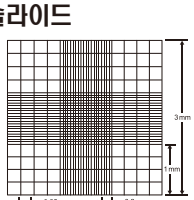
INCYTO® Disposable PMMA Slide, with Neubauer Improved Grid, Chip, Light, Transparent, 25×75×thick 1.1mm
With Index Note on PP Case, Ideal for Cell Counting · Concentration Measurement · Viability Test, **일회용 세포수 측정 슬라이드**



- ***Increases Productivity by Eliminating Cleaning and Work Interruptions***
- ***PMMA(Poly Methyl Methacrylate) Very Light and not Breakable, Compared with Glass***

∗ Blood Analysis(Hematology) : Blood Cell Counting
∗ Cell Culture : Cell Concentration Measurement. Cell Viability Test
∗ Size : w25×d75×h1.1mm
∗ Grid : System Neubauer Improved Grid

I5.GSC100 Slide, Disposable Cell Counting, Nebauer Improved, 25Pcs



Neubauer Improved Grid

〈L3〉

Cs.	Price, ₩
25pcs	21,100



Hand Tally Counter, for Multi-use, Pocket-size
With Records up to 9999 Digits, **탤리 카운터/계수계**

∗ For Counting : Blood Cells, Inventory Items, Lab sampler, Take surveys, Drops of Liquid, etc.
∗ Chromeplated steel Housing
∗ 4 Digits Hand-operated Reset Counter.

0483-015 Counter, Tally, 4-Digits

〈B3〉

Ea.	Price, ₩
	3,630

Articles	Cat. No	Description



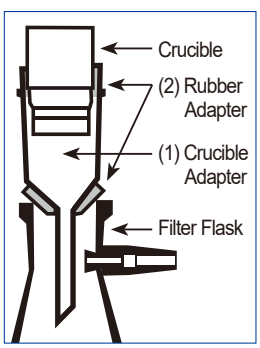
Glass Filter Crucible, with Sintered, Pore 5~150㎛, 15~50㎖
Made of Borosilicate Glass α 3.3, 글라스 필터 크루시블

※ **Porosity "P" ; DIN / ISO**

- **P1 : 90 ~ 150 ㎛**
- **P2 : 40 ~ 90 ㎛**
- **P3 : 15 ~ 40 ㎛**
- **P4 : 5 ~ 15 ㎛**

〈L1〉

		Ea.	Price, ₩	Pk.	Price, ₩
GL.255.G01.01	Filter Crucible, 15㎖, disc Φ28×h55mm, P1		7,470	10ea	72,140
GL.255.G02.01	, P2		7,470	10ea	72,140
GL.255.G03.01	, P3		7,470	10ea	72,140
GL.255.G04.01	, P4		7,470	10ea	72,140
GL.255.G01.02	Filter Crucible, 30㎖, disc Φ38×h60mm, P1		9,130	10ea	88,220
GL.255.G02.02	, P2		9,130	10ea	88,220
GL.255.G03.02	, P3		9,130	10ea	88,220
GL.255.G04.02	, P4		9,130	10ea	88,220
GL.255.G01.03	Filter Crucible, 50㎖, disc Φ44×h70mm, P1		14,540	10ea	140,780
GL.255.G02.03	, P2		14,540	10ea	140,780
GL.255.G03.03	, P3		14,540	10ea	140,780
GL.255.G04.03	, P4		14,540	10ea	140,780







(1) SciLab® Filter Crucible Adapter, Funnel id Φ30~Φ47mm
Ideal for Disc Φ20~Φ40mm Crucibles, 필터 크루시블 어댑터

〈L1〉

■ ***Supplied by SciLab Korea*** ∗ DURAN Boro-glass 3.3 ∗ Stem od Φ9×75mm

		Ea.	Price, ₩
SL.Ada2405	Crucible Adapter, Funnel id / od Φ 30 / 34×h60mm		12,140
SL.Ada2406	, Funnel id / od Φ37.4 / 42×h68mm		13,200
SL.Ada2407	, Funnel id / od Φ 47 / 52×h78mm		16,230

(2) SciLab® Rubber Adapter-set, 7pcs, for Crucible
Ideal for Disc Φ20~Φ40mm Crucibles, 크루시블 어댑터

■ ***Supplied by SciLab Korea***

		Ea.	Price, ₩
SL.Ada6011	Rubber Adapter-set / 7pcs		9,600

※ Various Component Gasket Adapter Size

No.1 : Top/Low od 21/11, h21mm
No.2 : Top/Low od 27/16, h22mm
No.3 : Top/Low od 37/22, h25mm
No.4 : Top/Low od 46/29, h29mm
No.5 : Top/Low od 58/38, h35mm
No.6 : Top/Low od 69/45, h40mm
No.7 : Top/Low od 86/57, h45mm



Quartz Crucible, with Cover, High Transparent, Excellent Transmission, 8~500㎖
Up to1250℃, Infrared Zone and Visible Area, Softening Point 1680℃, 석영도가니

〈L2〉

■ ***Supplied by SciLab Korea*** ∗ Thermal Expansion Coefficient 5.5 10^{-7} k^{-1}

		Ea.	Price, ₩
SL.Qu.Cr011	Crucible, Quartz, 8㎖ , top/base-Φ30 / Φ16 , h24mm		26,250
SL.Qu.Cr012	, 15㎖ , -Φ38 / Φ26 , h28mm		30,190
SL.Qu.Cr013	, 30㎖ , -Φ47 / Φ26 , h36mm		40,690
SL.Qu.Cr014	, 50㎖ , -Φ54 / Φ35 , h55mm		56,440
SL.Qu.Cr015	, 100㎖, -Φ70 / Φ35 , h55mm		82,690
SL.Qu.Cr016	, 250㎖, -Φ110 / Φ50, h80mm		122,070
SL.Qu.Cr017	, 500㎖, -Φ130 / Φ70, h100mm		183,750

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



(1) Porcelain Crucible, Low form, 15~250㎖



(2) Porcelain Crucible, Medium form, 5~120㎖



(3) Porcelain Crucible, High form, 15~45㎖



(4) Cover only for Crucible

Glazed Porcelain Crucible & Cover, Low, Medium & High Form, Up to 1000℃, 5~250㎖

Printed Identification No., Cover Separately, 자제 도가니, 식별번호부, 뚜껑 별도 구매

- ***Easy to Recognize Each Sample by Marked Number***
- ***Glazed in- & Out-side (Except Out side Bottom Surface and Rim)***
- ***High Chemical Resistance to Acids and Alkalis except for Hydrofluoric Acid***

<L1>

(1) Porcelain Crucible only, Low form, 15~250㎖

Cat. No	Description	Ea. Price,₩	Pk.	Price, ₩
SC.CL15	Crucible only, Porcelain, Low-form, 15㎖ , Φ40×h25mm	2,770	6ea	16,090
SC.CL21	, 21㎖ , Φ45×h28mm	3,100	6ea	18,050
SC.CL30	, 30㎖ , Φ50×h32mm	3,580	6ea	20,820
SC.CL35	, 35㎖ , Φ51×h32mm	3,900	6ea	22,700
SC.CL50	, 50㎖ , Φ60×h38mm	4,700	6ea	27,370
SC.CL90	, 90㎖ , Φ70×h44mm	6,470	6ea	37,620
SC.CL150	, 150㎖, Φ84×h52mm	9,700	6ea	56,470
SC.CL250	, 250㎖, Φ102×h60mm	10,690	6ea	62,220

(2) Porcelain Crucible only, Medium form, 5~120㎖

Cat. No	Description	Ea. Price,₩	Pk.	Price, ₩
SC.CM5	Crucible only, Porcelain, Medium-form, 5㎖ , Φ31×h22mm	2,230	6ea	12,950
SC.CM10	, 10㎖ , Φ31×h26mm	2,370	6ea	13,750
SC.CM15	, 15㎖ , Φ35×h29mm	2,770	6ea	16,090
SC.CM20	, 20㎖ , Φ40×h32mm	3,040	6ea	17,690
SC.CM30	, 30㎖ , Φ45×h36mm	3,580	6ea	20,820
SC.CM45	, 45㎖ , Φ50×h40mm	4,080	6ea	23,730
SC.CM50	, 50㎖ , Φ53×h43mm	4,850	6ea	28,240
SC.CM60	, 60㎖ , Φ52×h47mm	5,670	6ea	32,970
SC.CM80	, 80㎖ , Φ60×h48mm	6,280	6ea	36,530
SC.CM100	, 100㎖, Φ65×h54mm	7,450	6ea	43,370
SC.CM120	, 120㎖, Φ70×h56mm	8,890	6ea	51,740

(3) Porcelain Crucible only, High-form, 15~45㎖

Cat. No	Description	Ea. Price,₩	Pk.	Price, ₩
SC.CT15	Crucible only, Porcelain, High-form, 15㎖, Φ30×h38mm	2,770	6ea	16,090
SC.CT30	, 30㎖, Φ35×h44mm	3,590	6ea	20,890
SC.CT45	, 45㎖, Φ41×h49mm	4,230	6ea	24,600

(4) Cover only for Crucible

Cat. No	Description	Ea. Price,₩	Pk.	Price, ₩
SC.CC34	Crucible Cover only, Porcelain, id Φ 34mm , for Φ30~31mm Crucible	1,630	10ea	15,820
SC.CC38	, id Φ 38mm , for Φ34~38mm Crucible	1,630	10ea	15,820
SC.CC45	, id Φ 45mm , for Φ45mm Crucible	1,980	10ea	19,210
SC.CC47	, id Φ 47mm , for Φ40~42mm Crucible	1,980	10ea	19,210
SC.CC54	, id Φ 54mm , for Φ50~53mm Crucible	2,290	10ea	22,220
SC.CC62	, id Φ 62mm , for Φ60mm Crucible	2,770	12ea	32,250
SC.CC66	, id Φ 66mm , for Φ65mm Crucible	2,770	12ea	32,250
SC.CC69	, id Φ 69mm , for Φ66mm Crucible	3,240	12ea	37,720
SC.CC72	, id Φ 72mm , for Φ70mm Crucible	3,240	12ea	37,720
SC.CC80	, id Φ 80mm , for Φ76~80mm Crucible	4,080	12ea	47,500
SC.CC93	, id Φ 93mm , for Φ84mm Crucible	4,700	12ea	54,710
SC.CC105	, id Φ 105mm, for Φ102mm Crucible	5,670	12ea	66,000



(1) Filter Crucible, 17~130㎖



(2) Cover only for Crucible

Glazed Porcelain Gooch Filter Crucible & Cover, Printed Identification No., 17~130㎖

With Perforated Bottom, up to 1000℃, Cover Separately, "구찌" 자제 필터 도가니, 뚜껑 별도 구매

- ***Easy to Recognize Each Sample by Marked Number***
- ***Glazed in- & Out-side (Except Outside Bottom Surface and Rim)***
- ***With Perforated Bottom***
- ***Generally Used for Total Suspended Solid Determination***
- ***High Chemical Resistance to Acids and Alkalis except for Hydrofluoric Acid***

<L1>

(1) Porcelain Gooch Filter Crucible only, 17~130㎖

Cat. No	Description	Ea. Price,₩	Pk.	Price, ₩
SC.GC17	Filter Crucible only, Porcelain, 17㎖ , Φ30×h36mm, for Φ18~19mm Filter	4,230	6ea	24,600
SC.GC25	, 25㎖ , Φ35×h43mm, for Φ20~21mm Filter	6,170	6ea	35,880
SC.GC40	, 40㎖ , Φ40×h49mm, for Φ23~24mm Filter	12,130	6ea	70,580
SC.GC130	, 130㎖, Φ55×h83mm, for Φ30mm Filter	16,150	6ea	94,000

(2) Cover only, for Crucible

∗ Fully Glazed Except Rim

Cat. No	Description	Ea. Price,₩	Pk.	Price, ₩
SC.CC34	Crucible Cover only, Porcelain, id Φ34mm, for Φ30~31mm Crucible	1,630	10ea	15,820
SC.CC38	, id Φ38mm, for Φ34~38mm Crucible	1,630	10ea	15,820
SC.CC45	, id Φ45mm, for Φ45mm Crucible	1,980	10ea	19,210
SC.CC62	, id Φ62mm, for Φ60mm Crucible	2,770	12ea	32,250

Articles	Cat. No	Description



25㎖ Porcelain Porous Filter Crucible, with 1.2 · 5.0 · 15 micron Porous Bottom
Up to 1200℃, Stable Porosity and Rate of Flow, Printed Identification No., 마이크로 필터 자제 도가니

■ Glazed in- & Out-side (Except Outside Bottom Surface and Rim), with Marked Number

∗ High Chemical Resistance to Acids and Alkalis except for Hydrofluoric Acid

∗ Ideal for Glass Particle Filtration, Clarification, Polishing and Sterilization of Serums, Vaccines, Antitoxins and other Biochemical Solutions in the Pharmaceutical Environment

〈L1〉

		Pk.	Price, ₩
SC.J148	Crucible, Porce., 25㎖, od (top/base)Φ36/24, h42mm, 1.2 microns	1ea	29,070
SC.J149	, 5.0 microns	1ea	29,070
SC.J150	, 15 microns	1ea	29,070



Porcelain Casserole, Glazed, Top od Φ40~175, h22~98mm, up to 1,000℃, 25~1,250㎖
With Spout & Handle, Printed Identification No., 자제 카세롤, 손잡이 & 주둥이 부

∗ Glazed In- & Out-side (Except Rim & Top of Handle)

∗ High Chemical Resistance Acid and Alkaline, Excepted Hydrofluoric Acid

〈L1〉

		Pk.	Price, ₩
SC.J105	Casserole, Porcelain, 25㎖ , Φ40×h22mm	1ea	6,170
SC.J106	, 65㎖ , Φ70×h33mm	1ea	7,770
SC.J107	, 140㎖ , Φ85×h42mm	1ea	9,700
SC.J108	, 200㎖ , Φ100×h52mm	1ea	15,350
SC.J109	, 500㎖ , Φ125×h75mm	1ea	26,980
SC.J110	, 760㎖ , Φ150×h88mm	1ea	40,350
SC.J111	, 1,250㎖, Φ175×h98mm	1ea	58,100



(1) Low-form, 25~175㎖



(2) Cylindrical-form, 10~2500㎖

Alumina Crucible, Unglazed, 99.7%, 10~2,500㎖, without Cover, 1,750℃, 알루미나 도가니

〈L1〉

(1) 25~175㎖ Low-form Alumina Crucible

		Pk.	Price, ₩
SC.HACLF25	Crucible, Low-form, 25㎖ , Φ43×h37mm	1ea	16,370
SC.HACLF80	, 80㎖ , Φ64×h54mm	1ea	23,400
SC.HACLF175	, 175㎖, Φ90×h53mm	1ea	49,430

(2) 10~2500㎖ Cylindrical-form Alumina Crucible

		Pk.	Price, ₩
SC.HACC10	Crucible, Cylindrical-form, 10㎖ , Φ28×h29mm	1ea	11,530
SC.HACC20	, 20㎖ , Φ31×h40mm	1ea	16,080
SC.HACC60	, 60㎖ , Φ54×h39mm	1ea	24,690
SC.HACC100	, 100㎖ , Φ52×h68mm	1ea	31,070
SC.HACC150	, 150㎖ , Φ54×h91mm	1ea	40,720
SC.HACC225	, 225㎖ , Φ64×h80mm	1ea	53,620
SC.HACC450	, 450㎖ , Φ84×h107mm	1ea	116,680
SC.HACC1000	, 1,000㎖, Φ100×h172mm	1ea	250,720
SC.HACC1500	, 1,500㎖, Φ105×h194mm	1ea	327,030
SC.HACC2500	, 2,500㎖, Φ127×h235mm	1ea	769,540



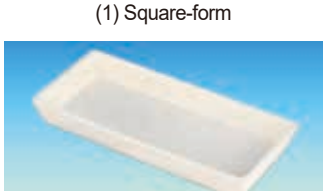
Alumina Circular Disc/Lid, Unglazed, Thick-3mm, 99.7%, Φ32~150mm
For Alumina Crucible, 1,750℃, 알루미나 원형 뚜껑

〈L1〉

		Pk. Price,₩			Pk. Price,₩
SC.HACD32	Al-na Lid, od Φ32mm	1ea 10,090	**SC.HACD115**	Al-na Lid, od Φ115mm	1ea 32,800
SC.HACD58	, od Φ58mm	1ea 14,480	**SC.HACD125**	, od Φ125mm	1ea 34,340
SC.HACD75	, od Φ75mm	1ea 18,300	**SC.HACD150**	, od Φ150mm	1ea 38,170
SC.HACD90	, od Φ90mm	1ea 24,690			



(1) Square-form



(2) Rectangular-form

Alumina Tray, Unglazed, 99.7%, up to 1750℃, 25~1,200㎖, 알루미나 트레이

〈L1〉

(1) Square-form

		Ea.	Price, ₩
SC.HART10B	Alumina Tray, Square, approx-25㎖, 50×50×h15mm		24,690
SC.HART30	-40㎖, 50×50×h22mm		27,270

(2) Rectangular-form

		Ea.	Price, ₩
SC.HART100	Alumina Tray, approx-120㎖ , 50×104×h32mm		43,600
SC.HART140	-160㎖ , 52×92×h42mm		87,550
SC.HART225	-225㎖ , 47×129×h40mm		136,930
SC.HART340	-400㎖ , 93×205×h25mm		190,180
SC.HART1000	-1200㎖, 160×250×h40mm		311,070

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



(1) Alumina B-form Crucible and Cover

99.8% Alumina Crucible & Cover, B-form & Cylindrical, 15~1,000㎖

Up to 1,600℃, Al_2O_3, 고품질 알루미나 도가니와 뚜껑, 원형 & 원통형, 뚜껑별매

■ ***Made in Korea*** ∗ Can be used in Oxidizing and Reducing Atmospheres and All kind of Metals.

∗ When Heating or Cooling 1℃ Per Minute Should be used as a Slow Effect of Change.

(1) Alumina B-form Crucible & Cover

〈L2〉

		Ea. Price, ₩
F3.1101	Alumina Crucible, B-form, 15㎖, Φ39×h29, t3.5mm	7,850
F3.1309	Cover, for Φ39mm Crucible	6,450
F3.1102	Alumina Crucible, B-form, 30㎖, Φ52×h39, t3.5mm	12,080
F3.1302	Cover, for Φ52mm Crucible	7,850
F3.1103	Alumina Crucible, B-form, 50㎖, Φ61×h49, t3.5mm	19,930
F3.1303	Cover, for Φ61mm Crucible	9,070
F3.1104	Alumina Crucible, B-form, 100㎖, Φ72×h58, t3.5mm	29,190
F3.1304	Cover, for Φ72mm Crucible	12,080
F3.1105	Alumina Crucible, B-form, 150㎖, Φ81×h67, t3.5mm	37,740
F3.1305	Cover, for Φ81mm Crucible	13,090
F3.1106	Alumina Crucible, B-form, 250㎖, Φ91×h75, t3.5mm	44,280
F3.1306	Cover, for Φ91mm Crucible	17,120
F3.1107	Alumina Crucible, B-form, 500㎖, Φ110×h105, t3.5mm	104,650
F3.1307	Cover, for Φ110mm Crucible	24,150
F3.1108	Alumina Crucible, B-form, 1,000㎖, Φ147×h117, t3.5mm	191,190
F3.1308	Cover, for Φ147mm Crucible	40,250



(2) Alumina Cylindrical Crucible and Cover

(2) Alumina Cylindrical Crucible & Cover

		Ea. Price, ₩
F3.1111	Alumina Crucible, Cylindrical, 1㎖, Φ10×h16, t1.5mm	10,070
F3.1311	Cover, for Φ10~13mm Crucible	10,070
F3.1112	Alumina Crucible, Cylindrical, 2㎖, Φ13×h24, t1.5mm	12,080
F3.1312	Cover, for Φ13mm Crucible	10,070
F3.1114	Alumina Crucible, Cylindrical, 28㎖, Φ36×h45, t3.5mm	12,080
F3.1301	Cover, for Φ36~39mm Crucible	5,840
F3.1115	Alumina Crucible, Cylindrical, 50㎖, Φ44×h60, t3.5mm	19,930
F3.1315	Cover, for Φ44mm Crucible	8,050
F3.1117	Alumina Crucible, Cylindrical, 170㎖, Φ56×h95, t3.5mm	38,240
F3.1317	Cover, for Φ56mm Crucible	10,070
F3.1118	Alumina Crucible, Cylindrical, 250㎖, Φ72×h105, t3.5mm	44,280
F3.1304	Cover, for Φ72mm Crucible	12,080
F3.1119	Alumina Crucible, Cylindrical, 350㎖, Φ76×h110, t3.5mm	72,450
F3.1319	Cover, for Φ76 mm Crucible	12,080



Alumina Rectangular Crucible & Cover

99.8% 2~800㎖ Alumina Rectangular Crucible & Cover

Up to 1,600℃, Al_2O_3, 고품질 알루미나 사각 도가니와 뚜껑, 분리판매

■ ***Made in Korea***

∗ Corrosion Resistance, Heat Resistance, High Temperature Because of Its High Strength Plastic or Heat-Treated Container Suitable for Use in Research and Development and Field. 1,600℃.Heat-Resistant

∗ When Heating or Cooling 1℃ Per Minute Should be used as a Slow Effect of Change.

〈L2〉

		Ea. Price, ₩
F3.1121	Alumina Crucible, Rectangular, 2㎖, w12×d30×h13, t3mm	16,100
F3.1321	Cover, for 2㎖ Crucible	10,070
F3.1122	Alumina Crucible, Rectangular, 20㎖, w50×d75×h11, t4mm	18,120
F3.1322	Cover, for 20㎖ Crucible	14,090
F3.1123	Alumina Crucible, Rectangular, 25㎖, w80×d60×h11, t4mm	20,130
F3.1323	Cover, for 25㎖ Crucible	16,100
F3.1125	Alumina Crucible, Rectangular, 100㎖, w65×d150×h20, t4mm	30,190
F3.1325	Cover, for 100㎖ Crucible	24,150
F3.1126	Alumina Crucible, Rectangular, 200㎖, w100×d100×h30, t4mm	60,380
F3.1326	Cover, for 200 & 350㎖ Crucible	22,140
F3.1127	Alumina Crucible, Rectangular, 350㎖, w100×d100×h50, t4mm	70,440
F3.1326	Cover, for 200 & 350㎖ Crucible	22,140
F3.1129	Alumina Crucible, Rectangular, 700㎖, w155×d155×h40, t4mm	90,570
F3.1329	Cover, for 700㎖ Crucible	40,250
F3.1130	Alumina Crucible, Rectangular, 800㎖, w100×d200×h55, t4mm	100,630
F3.1330	Cover, for 800㎖ Crucible	50,320

Articles	Cat. No	Description	Ea.	Price, ₩



Zirconia Crucible & Cover

94.2% Zirconia Crucible & Cover, Up to 1,700℃, ZrO_2, 고품질 지르코니아 도가니와 뚜껑

■ ***Made in Korea*** ∗ High Purity : 94.2% ∗ 1,700℃ Heat-Resistant High Temperature Crucible.
∗ Corrosion Resistance, Heat Resistance, High Temperature Strength is High, Suitable for Plastic or Heat-Treated Container.
∗ When Heating or Cooling 1℃ Per Minute Should be used as a Slow Effect of Change.

〈L2〉

		Ea.	Price, ₩
F3.1141	Zirconia Crucible, 20㎖, Φ39×h29, t3mm		63,880
F3.1341	Cover, for Φ39 mm Crucible		21,880
F3.1142	Zirconia Crucible, 30㎖, Φ49×h36, t3mm		106,750
F3.1342	Cover, for Φ49 mm Crucible		53,380
F3.1144	Zirconia Crucible, 50㎖, Φ57×h44, t3mm		170,630
F3.1344	Cover for Φ57 mm Crucible		74,380
F3.1146	Zirconia Crucible, 100㎖, Φ72×h59, t3mm		192,500
F3.1346	Cover, for Φ72 mm Crucible		101,500
F3.1147	Zirconia Crucible, 150㎖, Φ81×h65, t3mm		266,880
F3.1347	Cover, for Φ81 mm Crucible		117,250
F3.1148	Zirconia Crucible, 250㎖, Φ90×h69, t4mm		554,750
F3.1348	Cover, for Φ90 mm Crucible		224,000
F3.1150	Zirconia Crucible, 500㎖, Φ110×h101, t4mm		638,750
F3.1350	Cover, for Φ110 mm Crucible		239,750



99% SiC/Silicone Carbide Melting Pot, Heat Resistance 1,600℃, 100 & 500㎖
실리콘 카바이드 도가니, 내충격/내산화/내침식/내마모성

∗ Chemical Composition : SiC / 99.0% or more, SiO_2 / 0.2% or less, C / 0.1% or less

〈L2〉

		Ea.	Price, ₩
SL.Cru6091	Melting Pot, 100㎖, (in)Φ 60× d70mm		397,100
SL.Cru6092	, 500㎖, (in)Φ100×d115mm		776,930
SL.Lid3091	<Option>Lid for 100㎖ Pot Φ 63×d6mm		258,990
SL.Lid3092	<Option>Lid for 500㎖ Pot Φ103×d6mm		371,220



PTFE Crucible, with Cover, Crystallizing Dish, −200℃+260℃, 20~250㎖
Excellent for Chemical and Corrosion Resistance, Normal-grade, PTFE 도가니

■ ***Supplied by SciLab Korea*** ∗ Made of PTFE (PolyTetraFluoroEthylene)
∗ Excellent Chemical & Temperature stability ∗ for Boiling, Evaporation, and Sterilization

〈L1〉

		Ea.	Price, ₩
SL.Cru4001	Crucible, PTFE, 20㎖ , Φ47×h34mm		9,030
SL.Cru4002	, 30㎖ , Φ50×h46mm		9,340
SL.Cru4003	, 50㎖ , Φ58×h43mm		10,880
SL.Cru4004	, 100㎖, Φ62×h59mm		22,940
SL.Cru4005	, 250㎖, Φ82×h77mm		53,080



PTFE Crucible / Crystallizing Dish

Cowie® High-grade PTFE Teflon Crucible/Crystallizing Dish, 5~100㎖
Good Chemical/Corrosion Resistance, −200℃+280℃, <UK-Made> PTFE 도가니/결정디쉬

∗ Totally Chemically Resistant and Inert ∗ Manufactured using Pure, Virgin Material, PTFE

〈L1〉

		Ea.	Price, ₩
CW.009.005	Teflon Crucible, 5㎖ , Φ27×h16mm		15,570
CW.009.025	, 25㎖ , Φ44×h26mm		24,180
CW.009.075	, 75㎖ , Φ56×h41mm		29,740
CW.009.100	, 100㎖, Φ60×h45mm		44,740

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



Bochem® 99.5% Nickel Crucible and Lid, Corrosion Free, Thick-0.5mm, 5~270㎖
High-quality & Shiny, 1,100℃, 니켈 도가니, 커버 별도

■ ***Supplied by Bochem® in Germany***

(1) Crucible only, 99.5% Ni., 5~270㎖

			〈L1〉 Ea. Price,₩
BC.8100	Ni. Crucible, 5㎖	, Φ20×h25㎜ New	97,890
BC.8101	, 10㎖	, Φ25×h30㎜ New	100,520
BC.8102	, 15㎖	, Φ30×h30㎜	103,490
BC.8104	, 30㎖	, Φ40×h40㎜	112,090
BC.8105	, 50㎖	, Φ45×h45㎜	124,290
BC.8106	, 70㎖	, Φ50×h50㎜	134,340
BC.8107	, 130㎖	, Φ60×h60㎜	162,530
BC.8109	, 270㎖	, Φ80×h80㎜	211,850

(2) Lid only, 99.5% Ni., for 5~270㎖

			Ea. Price,₩
BC.8180	Ni. Lid only, for - 5㎖	, Φ20㎜ New	87,870
BC.8181	- 10㎖	, Φ25㎜ New	91,980
BC.8182	- 15㎖	, Φ30㎜	93,430
BC.8184	- 30㎖	, Φ40㎜	98,280
BC.8185	- 50㎖	, Φ45㎜	103,690
BC.8186	- 70㎖	, Φ50㎜	106,830
BC.8187	- 130㎖	, Φ60㎜	113,520
BC.8189	- 270㎖	, Φ80㎜	143,200



Stainless-steel Crucible, without Lid, 22~100㎖
Non-magnetic/Rust-free, Stainless-steel 18/10, 비자성 스텐 도가니

■ ***Supplied by SciLab Korea*** ∗ Finished Surface, Polished, Rust-free

		〈L1〉 Ea.	Price, ₩
SL.Cru7001	Crucible, SS, Φ35×h30mm, 22㎖		5,400
SL.Cru7002	, Φ40×h35mm, 35㎖		6,750
SL.Cru7003	, Φ50×h45mm, 50㎖		8,090
SL.Cru7004	, Φ60×h50mm, 100㎖		9,430


Platinum

Platinum Crucible, with Lid,백금 도가니, 커버 포함

■ ***Made in Korea***

∗ Included Cover, but Capacity (㎖) and Weight (g) is the Same One as Basic regardless of the Lid Existence
∗ The Price is Same as the same weight Regardless of the Lid Existence.
∗ Other Specifications : Individual Order Production

		〈L6〉 Ea.	Price, ₩
DH.CRP001	Pt. Crucible, Φ28×31mm,15㎖, 15g		
DH.CRP002	, Φ32×34mm, 20㎖, 20g		
DH.CRP003	, Φ34×38mm, 25㎖, 25g		
DH.CRP004	, Φ36×40mm, 30㎖, 30g		
DH.CRP005	, Φ44×47mm, 50㎖, 50g		

Cryogenic Products

Ampules ..... P. 2
Aprons, stable -160℃ ..... P. 5
Dewar Flasks, With or Without Lid ..... P. 212~213
Gloves, stable -210℃+250℃ ..... P. 418
Labels & Label Tapes, -196℃ ..... P. 487~489
LN_2 Vessels & Storage System ..... P. 214~215
Marking Pens, stable -135℃ ..... P. 219
Racks & Storage Boxes ..... P. 603~606
Vials ..... P. 216~218



KGW® Complete Cold Trap Kit with Dewar Flask, Glass Cold Trap and Plastic Ring for Fixing of the Cold Trap

For LN_2 in Vacuum application, GL18 Screw Connect-type, <Germany-Made> 동결트랩세트, 드와 플라스크 포함





Glass Cold Trap

■ ***Complete Kit with Glass Part :*** (1) Cold Trap
(2) Plastic Ring for Fixing of the Cold Trap
(3) Dewar (without Viewing Stripes)

■ ***Connect-type : Screw thread GL18 with PTFE Olive***

∗ Gas Cleaning by Condensation e.g. in Vacuum System
∗ Good Chemical & Thermal Resistance
∗ Made of Borosilicate glass 3.3
∗ Quick Exchange is possible

〈L1〉

		Ea. Price, ₩
KG.1740	Cold Trap Kit, GL18, Condensate 150㎖, Coolant 1,000㎖	1,035,770
KG.17362	, Condensate 250㎖, Coolant 2,000㎖	1,162,300



KGW® Cylindrical Dewar Flask, Low and Tall Form, 100~8,000㎖

Ideal for Liquid Nitrogen LN_2, Dry Ice CO_2, etc., with Blue Aluminum Case, <Germany-Made> 원통형 드와 플라스크

■ ***with Fully Silvered Glass (Borosilicate glass 3.3 DIN / ISO 3585) Jacket Vessel***

〈L1〉

		Ea. Price,₩			Ea. Price,₩
KG.1021	Dewar, 100㎖ , id 40×h90mm	167,830	**KG.10214**	Dewar, 1,500㎖, id 90×h245mm	432,340
KG.1023	, 300㎖ , id 47×h190mm	250,570	**KG.10215**	, 2,000㎖, id 90×h340mm	456,930
KG.1024	, 450㎖ , id 47×h210mm	264,480	**KG.10217**	, 1,500㎖, id 100×h240mm	442,230
KG.1025	, 500㎖ , id 57×h210mm	270,490	**KG.10218**	, 2,000㎖, id 100×h290mm	447,550
KG.1026	, 750㎖ , id 57×h310mm	284,800	**KG.10220**	, 2,500㎖, id 110×h290mm	538,500
KG.1028	, 800㎖ , id 67×h240mm	300,900	**KG.10221**	, 5,000㎖, id 110×h600mm	1,170,890
KG.1029	, 1,200㎖, id 67×h350mm	320,890	**KG.10222**	, 3,000㎖, id 138×h230mm	555,170
KG.10211	, 1,000㎖, id 77×h235mm	356,380	**KG.10223**	, 4,000㎖, id 138×h310mm	760,490
KG.10212	, 1,500㎖, id 77×h345mm	388,340	**KG.10224**	, 8,000㎖, id 138×h600mm	1,105,370



KGW® Handled Cylindrical Dewar Flask, Low- & Tall-form, 300~4,000㎖

Ideal for Liquid Nitrogen LN_2, Dry Ice CO_2, etc., with Blue Aluminum Case, <Germany-Made> 핸들 드와 플라스크

■ ***with Fully Silvered Glass (Borosilicate glass 3.3 DIN / ISO 3585) Jacket Vessel***

〈L1〉

		Ea. Price,₩			Ea. Price,₩
KG.1062	Dewar, 300㎖ , id 47×In.h190mm	319,500	**KG.10610**	Dewar, 1,500㎖, id 90×In.h245mm	489,170
KG.1063	, 450㎖ , id 47×In.h270mm	334,630	**KG.10611**	, 2,000㎖, id 90×In.h340mm	522,850
KG.1064	, 500㎖ , id 57×In.h210mm	340,320	**KG.10612**	, 1,500㎖, id 100×In.h240mm	499,020
KG.1065	, 750㎖ , id 57×In.h310mm	354,830	**KG.10613**	, 2,000㎖, id 100×In.h290mm	513,530
KG.1066	, 800㎖ , id 67×In.h240mm	370,930	**KG.10614**	, 2,500㎖, id 110×In.h290mm	579,500
KG.1067	, 1,200㎖, id 67×In.h350mm	390,990	**KG.10615**	, 3,000㎖, id 138×In.h230mm	621,100
KG.1068	, 1,000㎖, id 77×In.h235mm	410,450	**KG.10616**	, 4,000㎖, id 138×In.h310mm	826,450
KG.1069	, 1,500㎖, id 77×In.h345mm	456,570			



KGW® Insulation Plug Stopper, for Dewar Flasks, <Germany-Made> 오픈 드와용 단열스토퍼

〈L1〉

		Ea. Price,₩			Ea. Price,₩
KG.1723	Dewar Flask Stopper, id. 47 mm	65,920	**KG.17214**	Dewar Flask Stopper, id. 90 mm	78,380
KG.1725	, id. 57 mm	65,920	**KG.17217**	, id. 100 mm	78,380
KG.1728	, id. 67 mm	65,920	**KG.17220**	, id. 110 mm	95,470
KG.17211	, id. 77 mm	78,380	**KG.17222**	, id. 138 mm	95,470

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



KGW® 80~5,800㎖ Dish-shaped Dewar Flask, for Magnetic Stirring

Ideal for Liquid Nitrogen LN_2, Dry Ice CO_2, etc., <Germany-Made> 라운드 플라스크형 자석교반용 드와 플라스크

■ ***Structured Aluminium Cover***

∗ Application : - Tempering of Round Bottom Flasks. - Cooling of Small Samples.

〈L1〉

		Ea. Price,₩			Ea. Price,₩
KG.1191	Dewar, 80㎖ , id 67×In.h40mm	308,240	**KG.1195**	Dewar, 680㎖ , id 138×In.h 80mm	649,220
KG.1192	, 120㎖, id 77×In.h50mm	328,150	**KG.1196**	, 1,600㎖, id 170×In.h110mm	920,390
KG.1193	, 260㎖, id 100×In.h65mm	463,000	**KG.1197**	, 3,000㎖, id 200×In.h125mm	1,386,570
KG.1194	, 400㎖, id 110×In.h70mm	552,840	**KG.1198**	, 5,800㎖, id 250×In.h150mm	2,394,550



KGW® 1~10 Lit Carrying Dewar Flask, with Loose Lied Lid

Ideal for Liquid Nitrogen LN_2, Dry Ice CO_2, etc., <Germany-Made> 저장/운반용 드와 플라스크

∗ Made of Borosilicate Glass 3.3 ∗ Aluminium Cover, Brushed

∗ Application : Storage and Transport of Liquid Nitrogen(LN_2)

∗ Advantages : Low Evaporation Rate, Good Tipping Stability.

〈L1〉

		Ea.	Price, ₩
KG.1291	Dewar Flask, 1 Lit , Neck id 30×In.h235mm		703,850
KG.1292	, 3 Lit , Neck id 60×In.h305mm		1,114,170
KG.1293	, 5 Lit , Neck id 60×In.h350mm		1,298,370
KG.1294	, 10 Lit, Neck id 65×In.h380mm		1,741,790



KGW® 1~4 Lit Spherical Dewar Flask, with Insulating Lid

Ideal for Liquid Nitrogen LN_2, Dry Ice CO_2, etc., <Germany-Made> 저장/운반용 드와 플라스크

∗ Made of Borosilicate Glass 3.3 ∗ with Blue-coated Metal Cover.

∗ Application :

- Storage and Transport of Temperature-sensitive goods (e.g. dry ice). - Cooling of Small Samples.
- When Storing Liquid Nitrogen (LN_2), a Hole (Dia.2mm) in centre of the lid is necessary.

∗ Advantages : Robust Design, with Insulating lid held by two spring clips.

〈L1〉

		Ea.	Price, ₩
KG.1211	Dewar Flask, 1 Lit, id 100×In.h150mm		484,540
KG.1212	, 2 Lit, id 138×In.h170mm		550,040
KG.1213	, 3 Lit, id 138×In.h230mm		675,280
KG.1214	, 4 Lit, id 138×In.h310mm		832,640



KGW® 4~28 Lit Large Carrying Dewar Flask, with Insulating Lid

Ideal for Liquid Nitrogen LN_2, Dry Ice CO_2, etc., <Germany-Made> 대용량 저장/운반용 드와 플라스크

∗ Made of Borosilicate Glass 3.3 ∗ with Blue-coated Metal Cover.

∗ Application : Storage and Transport of Temperature-sensitive goods (e.g. dry ice).

∗ Advantages : Robust Design, with Large Opening. ∗ Lid with Two Side Grips.

〈L1〉

		Ea.	Price, ₩
KG.1248	Dewar Flask, 4 Lit , id158×In.h250mm		1,153,230
KG.1249	, 7 Lit , id158×In.h400mm		1,250,100
KG.1241	, 7 Lit , id200×In.h275mm		1,285,480
KG.1242	, 10 Lit, id200×In.h350mm		1,632,870
KG.1243	, 14 Lit, id200×In.h500mm		1,680,050
KG.1244	, 21 Lit, id250×In.h480mm		2,721,350
KG.1245	, 28 Lit, id250×In.h620mm		3,001,830

Common Use of Liquid Nitrogen Storage Tank & Canister-type CryoSystem™, 10~50 Lit

Without LN_2 Withdrawal Device & Canister(Vial Cane Holder), **액체질소 저장용 및 원통 캐니스터용 질소탱크 겸용, 펌프·캐니스터 별도판매**

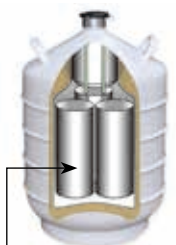


10L 20L 30L 50L

Incl. Roller Base



LN_2 Storage Tank



CryoSystem™ Equipped with **"Optional Canister"** for Vial Cane Holding



w/holes

(1) Canister



(2) Dipper



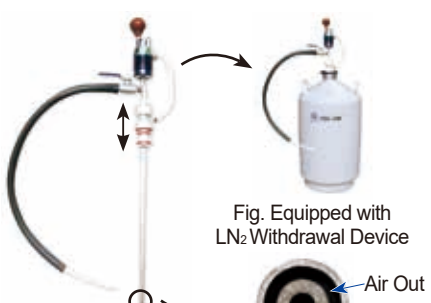
(3) Roller Base; Dolly



(4) Cane Cryovial Holder



(5) Cryo-Glove



Optional LN_2 Withdrawal Device

Fig. Equipped with LN_2 Withdrawal Device

Double Pipe for Suction & Blow

■ ***Supplied by DAIHAN Korea***

■ ***Low Daily Evaporation Rate of Liquid Nitrogen*** ■ ***Strong and Light-Weight Aluminum Construction***

∗ Made of Antirust Aluminum Alloy ∗ Structured with High-vacuumed Super Adiabatic Multi-layers

∗ Equipped with Roller Base which is capable of achieving Easy Transportation (only for 50Lit)

∗ Easy to Lift and Pour ∗ with 2 Handles except for 10Lit

Specifications & Ordering information

〈L1〉

Spec. \ Model		"YDS-10D" Max. Capa. 10L	"YDS-20D" Max. Capa. 20L	"YDS-30D" Max. Capa. 30L	"YDS-50D" Max. Capa. 50L
Volume		10L	20L	30L	50L
Neck Opening		Φ50mm			
Static Evaporation Rate		0.15 Lit/day	0.17 Lit/day	0.17 Lit/day	0.24 Lit/day
Static Storing Period		65 days	120 days	174 days	212 days
Outer Diameter × Height		Φ284×h560 mm	Φ345×h655 mm	Φ455×h685 mm	Φ455×h850 mm
Empty Weight / Full Weight		6.2 / 13.9kg	8.2 / 23.9kg	14 / 37.7kg	18.1 / 58.0kg
Roller Base		-	-	-	Included
Optional Canister	Max Number	3ea	6ea		
	Outer Diameter × Height	Φ38×h120 mm			
	Max. No. of 1~2㎖ Vials	780ea			
Cat. No.		DH.Cry7010	DH.Cry7020	DH.Cry7030	DH.Cry7050
Price, Set. ₩		755,130	1,403,330	1,737,450	2,606,180

Optional Accessories

		Ea. Price, ₩
DH.Can7901	(1) **Canister**, Stainless-steel, Φ38mm×h120mm, for "YDS-10D"	92,820
DH.Can7902	, for "YDS-20D" *New*	92,820
DH.Can7903	, for "YDS-30D" *New*	92,820
DH.Can7905	, for "YDS-50D" *New*	92,820
DH.Dip7903	(2) **Dipper**, Stainless-steel, Φ38mm×h55mm	80,000
DH.Rol7922	(3) **Roller Base**, Dolly, OD Φ360mm, w/4 Caster(2 Stop-on), for "YDS-30D"	121,280
DH.Rol7923	, for "YDS-50D"	218,700

※ When you order, please let us know the volume of your Tank.

		Pk. Price, ₩
SP.T313	(4) **Cane**, Aluminum, for 5 Vials (1.2~2㎖)	12ea 21,380
DH.Glo3021	(5) **Glove**, for Cryogenic Protection, Waterproof, Mid-arm, Free-size, L380mm *New*	1pair 107,320

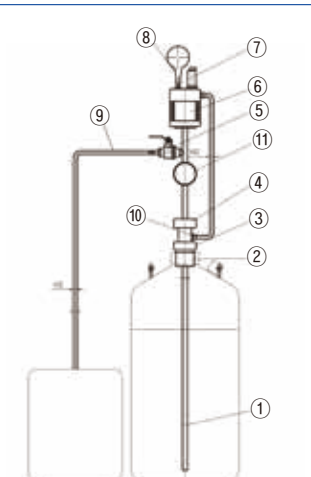
※ More Cryo-Gloves ⇒ See "Gloves, Temp Resistant-Low Temp" Section

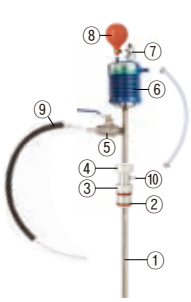
LN_2 Withdrawal Device

∗ Ideal for Low Loss during the Liquid Discharging Process ∗ Minimizes the Vaporization of the Liquid Nitrogen in the Container through a Rubber Ball which can be manually Compressed.

∗ Be fitted with Pouring Spouts or Dipper to aid in LN_2 Transfer. ∗ Infusion Quantity : ≥3 Lit/Min.

		Ea. Price, ₩
DH.Lwd7911	LN_2 Withdrawal Device, for 50mm Neck Opening, **of 10 & 20 Lit.** Adjustable Length : 425-565mm, Weight : 2.4kg	1,136,030
DH.Lwd7912	LN_2 Withdrawal Device, for 50mm Neck Opening, **of 30 & 50 Lit.** Adjustable Length : 470-610mm, Weight : 2.8kg	1,136,030
DH.Bul7920	**Spare** Bulb, for LN_2 Withdrawal Device	20,240





LN_2 Withdrawal Components

① Drainpipe ⑦ Safety Valve
② Rubber Ring ⑧ Bulb
③ Sealing Nut ⑨ Plastic Pipe
④ Locking Nut ⑩ Air Filter
⑤ Valve ⑪ Pressure Gauge
⑥ Vaporizer

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Rack-type Liquid Nitrogen CryoSystem™, without Square Rack(Cryovial Box Holder) & Cryo Box, 47~95Lit

Used for Storage of Cryovial Box with Rack, Storage Capacity : 1050~3000vials(1.2 & 2.0㎖), **랙 타입 크리오시스템/크리오 바이알 저장 액체 질소통, 사각 랙 별도판매**



Rack-type CryoSystem™, 47~95Lit



Fig. Equipped with Racks(CryoBox Holder)
(**Rack : Optional**)



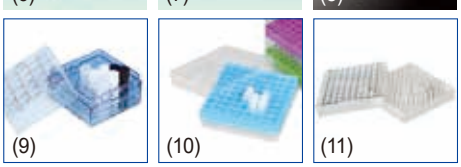
(1) 7tier×25vials (2) 6tier×100vials (3) Dipper



(4) Roller Base; Dolly (5) Cryo-Glove



(6) (7) (8)



(9) (10) (11)

■ ***Supplied by DAIHAN Korea***
■ ***Low Daily Evaporation Rate of Liquid Nitrogen*** ■ ***Strong and Light-Weight Aluminum Construction***
∗ Made of Antirust Aluminum Alloy ∗ Structured with High-vacuumed Super Adiabatic Multi-layers
∗ Equipped with Roller Base which is capable of achieving Easy Transportation (only for 65 & 95Lit)

Specifications & Ordering information

〈L1〉

Spec. \ Model		"YDS-47-127" Max. Capa. 47L	"YDS-65-216" Max. Capa. 65L	"YDS-95-216" Max. Capa. 95L
Volume		47L	65L	95L
Neck Opening		127 mm	216 mm	216 mm
Static Storing Period		105 days	73 days	100 days
Outer Diameter×Height		Φ465×820mm	Φ555×785mm	Φ678×780mm
Empty Weight		18.6kg	32kg	33kg
Full Weight		56.5kg	84.52kg	110kg
Roller Base		-	Included	Included
Optional Rack	No. of Vial per Box	25	100	100
	No. of Boxes per Rack	7	6	6
	No. of Max Rack Equipped	6	3	5
	Vial Capacity (pcs)	1050	2400	2400
Cat. No.		DH.Cry7147	DH.Cry7165	DH.Cry7195
Price, Set. ₩		3,254,390	5,051,980	6,735,970

Optional Accessories

		Ea. Price, ₩
DH.Rac7907	(1) **Rack**, Stainless-steel, Square, with 7tier×25vials/box	175,170
DH.Rac7908	(2) , with 6tier×100vials/box, for "YDS-65"	276,220
DH.Rac7909	, for "YDS-95" *New*	276,220
DH.Dip7904	(3) **Dipper**, Stainless-steel, Φ65mm×h100mm	90,000
DH.Rol7924	(4) **Roller Base**, Dolly, w/5 Caster(2 Stop-on), up to Φ490mm, for "YDS-47" *New*	218,700
DH.Rol7925	, up to Φ560mm, for "YDS-65" *New*	218,700
DH.Rol7926	, up to Φ705mm, for "YDS-95" *New*	218,700

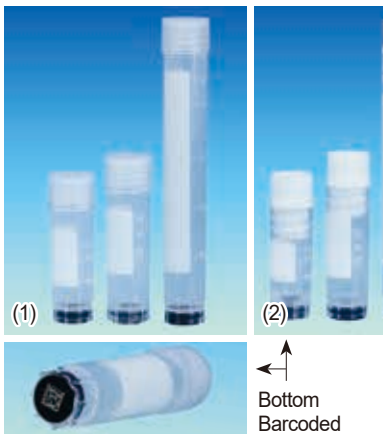
※ When you order, please let us know the volume of your container.

		Pk. Price, ₩
DH.Glo3021	(5) **Glove**, for Cryogenic Protection, Waterproof, Mid-arm, Free-size, L380mm *New*	1pair 107,320

※ More Cryo-Gloves ⇒ See "Gloves, Temp Resistant-Low Temp" Section

		Ea. Price, ₩
SL.Box901	(6) **Hard Board Box**, 81-Holes×Φ13mm, w/ Hard Board Divider	2,630
SL.Box902	(7) , w/ PP Divider	2,630
SL.Box9002	(8) , 100-holes×Φ12mm, w/ Hard Board Divider	3,920
SL.Rac3026	(9) **PC Freezer Box**, 25-holes×Φ12.3mm, 76×76×h54 mm	3,570
SL.Rac3031	(10) , 81-holes×Φ13mm,130×130×h54 mm, Blue	6,100
SL.Rac3035	(11) , 100-holes×Φ13mm, 132×132×h54 mm, white	6,100

※ More Freezer Boxes ⇒ See the "Racks, Cryovials" Section



CryoTain™ 1.2~5㎖ 2D Bottom Barcoded PP Sterile Cryovial, External & Internal Thread
Self-standing, Irradiation Sterilization, −196℃+121℃, 2D 바텀 바코드 멸균 냉동 바이알

■ Made in Korea ***■ 2D 바코드가 바이알의 바닥에 레이저 마킹이 되어있어 지워지지 않음***
■ These Vials are constructed of Polypropylene and 2D Barcode included on the bottom
■ Ideal for use with Liquid Nitrogen LN_2 Vapor Phase ∗ Withstand Temperature between -196℃+121℃
∗ Vials are DNase/RNase-, and Endotoxin-free with Certificate. ∗ Good Finished ; for Smooth Working
∗ The 2D Code is laser etched into the Bottom of the Vial and is Indelible during Storage.
∗ Vials could be used with 2D Barcode Rack for easy Scanning.
∗ Warning : Do not use CryoTain™ Cryogenic Vials in the Liquid Phase of Liquid Nitrogen.

〈L1〉

(1) External Screwcaps

		Pk.	Price,₩	Cs.	Price,₩
SL.Via3301.2D	Cryovial, 2D Barcoded, External Thread, 1.2㎖, Φ12×h42mm	50ea	19,880	10pk	184,000
SL.Via3302.2D	, 2.0㎖, Φ12×h48mm	50ea	19,880	10pk	184,000
SL.Via3303.2D	, 5.0㎖, Φ12×h86mm	25ea	19,880	10pk	184,000

(2) Internal Screwcaps

		Pk.	Price,₩	Cs.	Price,₩
SL.Via3305.2D	Cryovial, 2D Barcoded, Internal Thread, 1.2㎖, Φ12×h42mm	50ea	19,880	10pk	184,000
SL.Via3306.2D	, 2.0㎖, Φ12×h48mm	50ea	19,880	10pk	184,000



CryoTain™ 1.2~5㎖ 1D & 2D Wall & Bottom Barcoded PP Sterile Cryovial, External Thread
Self-standing, Irradiation Sterilization, −196℃+121℃, 1D & 2D 월-바텀 바코드 멸균 냉동 바이알

■ Made in Korea ***■ 2D 바코드가 바이알의 바닥에 레이저 마킹이 되어있어 지워지지 않음***
■ These Vials are constructed of Polypropylene and 1D & 2D Barcode included on the Side and Bottom.
■ Ideal for use with Liquid Nitrogen LN_2 Vapor phase
∗ Withstand Temperature between -196℃+121℃
∗ Vials are DNase/RNase-, and Endotoxin-free with Certificate.
∗ Good Finished ; for Smooth Working
∗ Vials could be used with 2D Barcode Rack for easy Scanning.
∗ Warning : Do not use CryoTain™ Cryogenic Vials in the Liquid Phase of Liquid Nitrogen. 〈L1〉

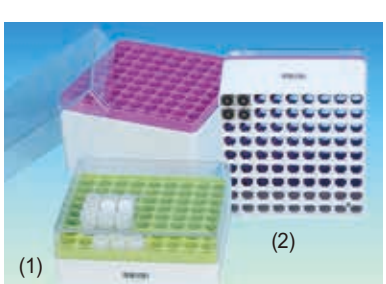
		Pk.	Price,₩	Cs.	Price,₩
SL.Via3301.BD	Cryovial, 1D&2D Barcoded, External Thread, 1.2㎖, Φ12×h42mm	50ea	21,990	10pk	203,500
SL.Via3302.BD	, 2.0㎖, Φ12×h48mm	50ea	21,990	10pk	203,500
SL.Via3303.BD	, 5.0㎖, Φ12×h86mm	25ea	21,990	10pk	203,500



CryoTain™ 1.2~5㎖ 1D & 2D Barcoded Sterile Cryovial & PC Rack-Set, 81 Cryovials
1D Barcode in the Rack, −196℃+121℃, 1D & 2D 바코드 멸균 냉동 바이알과 랙 세트

■ Made in Korea ***■ 바코드가 바이알의 바닥에 새겨져있어 랙에 꼽힌 상태에서 바로 스캔 가능***
■ "Rack-Set" contain 1D & 2D Barcoded 81 External Thread vials.
∗ Good Finished ; for Smooth Working ∗ Ideal for use with Liquid Nitrogen LN_2 Vapor phase
∗ PC Rack : Withstand Temperature between -196℃+121℃
∗ Vials are DNase/RNase-, and Endotoxin-free with Certificate.
∗ Vials could be used with 1D/2D Barcode PC Rack for easy Scanning. 〈L1〉
∗ Warning : Do not use CryoTain™ Cryogenic Vials in the Liquid Phase of Liquid Nitrogen.

		Pk-set	Price,₩
SL.Via3301.ST	Cryovial Rack-Set, 1D/2D Barcode, External Thread, 81ea, 1.2㎖, Φ12×h42mm		93,400
SL.Via3302.ST	, 2.0㎖, Φ12×h48mm		93,400
SL.Via3303.ST	, 5.0㎖, Φ12×h86mm		133,400



CryoTain™ PC 81-hole Cryovial Rack, for 1.2 & 2.0㎖ or 5.0㎖ 2D Barcoded Cryovials
With Transparent Cover, Linear Barcode and Readable Code on the Side, 125/140℃, 2D 바코드 랙

■ Made in Korea ***■ 랙의 옆면에 1D바코드와 바닥면에 2D바코드가 마킹되어 식별의 자동화 가능***
∗ Made of Polycarbonate(PC), -196℃(in Vapor-phase)+125/140℃
∗ Ideal for 1.2~5.0㎖ 2D Barcoded Cryovials Storage with Vapor phase of Liquid Nitrogen LN_2
∗ Autoclavable ∗ Stackable ∗ Good Finished
∗ This 81 Holes Rack accommodates 1.2 & 2.0㎖ or 5.0㎖ 2D Barcoded Cryovials and will be allowed Fast, Easy and Accurate Scanning.
∗ A Linear Barcode and Human readable Code on the Side for fast Scanning and Distinction.
∗ A Transparent Cover allows the user to see the Contents of the Rack.
∗ 81Holes(9×9), (1) 130×130×h52mm(for 1.2/2.0㎖), (2) 130×130×h90mm(for 5.0㎖) 〈L1〉

		Ea.	Price,₩
SL.Rac3021	(1) Rack for 2D Barcoded Cryovials, 81holes, 1.2/2.0㎖ Vials, Green		58,000
SL.Rac3022	(2) , 5.0㎖ Vials, Violet		65,000

※ The Price(VAT is extra) for Korean End-user, and Changeable.



(1) External Tread (2) Internal Tread

CryoTain™ 1.2~5㎖ Sterile Graduated Cryogenic Vial, PP, External & Internal Thread With Silicone-ring Seal & White Marking Area, −196℃+121℃, 눈금부 멸균 냉동 바이알

■ Made in Korea ■ −196℃까지 내한성을 보유한 Medical Grade Polypropylene 재질로 제작

■ These Vials are constructed of Medical Grade Polypropylene and sterilized by Irradiation

∗ Good Finished ; for Smooth Working ∗ Self-standing Base

∗ Withstand Temperature between -196℃(in Vapor-phase) +121℃

∗ Ideal for use with Liquid Nitrogen LN_2 Vapor phase ∗ Vials are DNA-, DNase/RNase-, and Pyrogen-free.

∗ The Large White Marking Area and Graduations are printed on the side of each Vials for Convenient Use.

∗ Warning : Do not use CryoTain™ Cryogenic Vials in the Liquid Phase of Liquid Nitrogen.

(1) External Thread Screwcaps, 1.2~5.0㎖

∗ The External Tread Cryogenic Vial offer a silicone O-ring within the Cap for Secure Seal.

∗ This Externally Tread Vials feature Protection Lip from Contamination.

<L1>

		Pk.	Price, ₩	Cs.	Price, ₩
SL.Via3301	Cryogenic Vial, External Tread, 1.2㎖, Φ12×h42 mm	50ea	12,150	10pk	112,500
SL.Via3302	, 2.0㎖, Φ12×h48 mm	50ea	12,150	10pk	112,500
SL.Via3303	, 5.0㎖, Φ12×h86 mm	25ea	12,150	10pk	112,500

(2) Internal Thread Screwcaps, 1.2~5.0㎖

∗ The Internal Tread Cryogenic Vial offer a Silicone Gasket mounted in the Screwcap for a Leakproof Closure.

∗ These Vials can be Color-coded with Optional 4 color Inserts.

		Pk.	Price, ₩	Cs.	Price, ₩
SL.Via3305	Cryogenic Vial, Internal Tread, 1.2㎖, Φ12×h42 mm	50ea	12,150	10pk	112,500
SL.Via3306	, 2.0㎖, Φ12×h48 mm	50ea	12,150	10pk	112,500
SL.Via3307	, 5.0㎖, Φ12×h86 mm	25ea	12,150	10pk	112,500



CryoTain™ Color Code Cap Insert, PP, For Internal Thread Vial, −196℃+121℃ With 3 Different Colors, Blue, Violet, Yellow, 컬러 코드 캡인서트

■ Made in Korea ■ Internal 용 바이알 뚜껑 윗부분에 끼워 넣어 색상 구분이 용이함

∗ Good Finished ; for Smooth Working

∗ 3 Different Colors - Blue, Violet and Yellow. for Comprehensive Sample Identification in the Cryogenic Vials

∗ This Cap Insert made of Polypropylene and fits for Internal Thread Cryogenic Vial Screwcap.

<L1>

		Pk.	Price, ₩
SL.Via3308.B	Cap Insert, PP, For Internal Thread Cryogenic Vial, Blue	50ea	6,300
SL.Via3308.V	, Violet	50ea	6,300
SL.Via3308.Y	, Yellow	50ea	6,300



CryoTain™ 1.2 · 2 · 5㎖ Amber Cryogenic Vial, PP, External Thread, Self-standing Irradiation Sterilization, −196℃+121℃, 멸균 냉동 갈색 바이알

■ Made in Korea ■ With Silicone-washer Seal & External Thread Cap

■ These Vials are constructed of Medical Grade Polypropylene and sterilized by Irradiation.

∗ Ideal for use with Liquid Nitrogen LN_2 Vapor phase, -196℃(in Vapor-phase) +121℃ ∗ Good Finished

∗ Warning : Do not use CryoTain™ Cryogenic Vials in the Liquid Phase of Liquid Nitrogen.

∗ DNA·DNase·RNase·Pyrogen-free

<L1>

		Pk.	Price, ₩	Cs.	Price, ₩
SL.Via3301.AM	Cryogenic Vial, Amber, External Tread, 1.2㎖, Φ12×h42 mm	50ea	16,200	10pk	150,000
SL.Via3302.AM	, 2.0㎖, Φ12×h48 mm	50ea	16,200	10pk	150,000
SL.Via3303.AM	, 5.0㎖, Φ12×h86 mm	25ea	16,200	10pk	150,000



Aluminum Cane

Simport® Cryovial™ Aluminum Cane, for 5 Cryogenic Vials (1.2~2㎖) For Storage of Cryogenic Vials, in LN_2 Vapor phase Freezers, <USA-Made> 알루미늄 케인, 냉동바이알 보관용

■ 고순도 알루미늄 재질로 냉동 바이알 5ea까지 끼워 사용 가능

∗ For Storage of Cryogenic Vials (1.2~2㎖) in Liquid Nitrogen Vapor phase Freezers such as Cell Storage Vessels or Dewars.

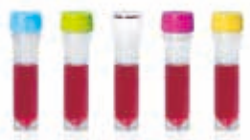
∗ High Purity Aluminum for 5ea Cryogenic Vials

<L1>

		Pk.	Price, ₩	Cs.	Price, ₩
SP.T313	Vial Cane, for 5 Vials, L290mm	12ea	21,380	4pk	81,320



(1) Conical



(2) Self-stand



(3) Amber, Conical & Self-stand

SciLab® 2㎖ Sterile Multiuse Screwcap Tube, PP, Conical Bottom & Self-standing

With Silicone O-ring Sealed Screwcap, Autoclavable, <Korea-Made> 멸균 다용도 스크류캡 튜브

∗ Made of Polypropylene, −196℃(in Vapor-phase LN_2)+125/140℃ ∗ DNase-/RNase-free, Irradiation Sterilization
∗ Good Finished ∗ Polypropylene Micro Tubes with Screwcap ensure a Tight and Secure Seal.
∗ Clear Polypropylene Tubes with 5 Different Colors Caps (Blue, Green, Violet, Natural, Yellow) and Amber Tube with Caps

〈L1〉

(1) Conical Bottom-type, 2㎖, Φ11×h48mm

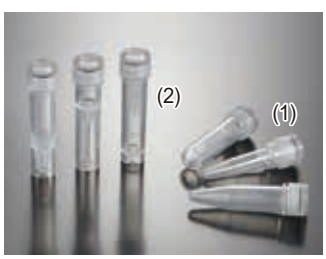
		Pk.	Price, ₩	Cs.	Price, ₩
SL.Tub3311.B	Screwcap Tube, Conical, Sterile, 2㎖, Blue	500ea	60,750	2pk	112,500
SL.Tub3311.G	, Green	500ea	60,750	2pk	112,500

(2) Self Standing-type, 2㎖, Φ11×h48mm

		Pk.	Price, ₩	Cs.	Price, ₩
SL.Tub3313.B	Screwcap Tube, Self-standing, Sterile, 2㎖, Blue	500ea	60,750	2pk	112,500
SL.Tub3313.G	, Green	500ea	60,750	2pk	112,500
SL.Tub3313.N	, Natural	500ea	60,750	2pk	112,500
SL.Tub3313.V	, Violet	500ea	60,750	2pk	112,500
SL.Tub3313.Y	, Yellow	500ea	60,750	2pk	112,500

(3) Amber, Conical & Self Standing-type, 2㎖

		Pk.	Price, ₩	Cs.	Price, ₩
SL.Tub3315	Screwcap Tube, Amber, Conical, Sterile, 2㎖	500ea	72,900	2pk	135,000
SL.Tub3316	, Self-standing, Sterile, 2㎖	500ea	72,900	2pk	135,000



Biofil® 0.5 & 1.5㎖ Sterile Screwcap Tube, PP, Conical Bottom & Self-standing, 20,000xg

Ideal for Centrifugation and Cryogenic Storage, Leakproof, Autoclavable, 멸균 스크류캡 마이크로 튜브

■ ***Manufactured in Class 100,000 Cleanroom with Materials Conforming to USP CLASS VI Standards under the Quality Control of ISO 13485 & 9001 and CE.***
■ ***Batch Certifications : Lot No. is Printed on Every Case (or Pack) for Quality Traceability.***

∗ Autoclavable at 121℃ and Freezable to −80℃ ∗ Engraved Graduation Ensure Accuracy
∗ Screwcap with Silicone O-ring for Leakproof ∗ Screwcap for One-handed Operation
∗ DNase/RNase-free and Non-pyrogenic ∗ Sterilized by Gamma Irradiation $SAL10^{-6}$ (ISO11137)

〈L1〉

(1) Conical Bottom Tube

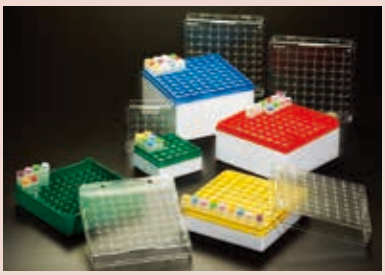
		Pk.	Price, ₩	Cs.	Price, ₩
J1.CFT003.005	Screwcap Tube, Conical, Sterile, 0.5㎖, Φ11×h40mm	500ea	68,400	10pk	621,670
J1.CFT006.015	, 1.5㎖, Φ11×h44mm	500ea	79,640	10pk	723,870

(2) Self-standing Tube

		Pk.	Price, ₩	Cs.	Price, ₩
J1.CFT005.005	Screwcap Tube, Self-standing, Sterile, 0.5㎖, Φ11×h40mm	500ea	68,400	10pk	621,670
J1.CFT008.015	, 1.5㎖, Φ11×h44mm	500ea	79,640	10pk	723,870

※ The Price(VAT is extra) for Korean End-user, and Changeable.





▶ Cryogenic Vial Racks ⇒ See the "Racks" Section!



Simport® Write-ON™ Lab Marker Pen, for Solvents and High-Temperature, 0.5mm Tip
Specially Useful for Histology Marking, Black, 195℃, <Italy-Made> 솔벤트용 마킹펜

* Excellent Resistant of Solvents and High-Temperature up to 195℃.
* Ink will dry almost instantly. * Good for Histology Cassette.

〈L1〉

		Ea.	Price, ₩	Cs.	Price, ₩
SP.M495.12	Pen, Marker, for High-Temp, 0.5mm Tip, Black	9,600		12ea	109,580



Camlab® Biotech Marker Pen, for Low-Temperature up to −135℃, 0.5mm Tip
For Especial Use "Write-On-PE and PP", <UK-Made> 저온 Bio용 마킹펜

* High Quality Biotech Marker for Ultra-Low-Temperature
* Special, Quick Drying, Smear Resistant ink
* It can be Storage at low temperature.
* Manufactured Especially for Use with Polyethylene and Polypropylene

〈L1〉

		Ea.	Price,₩	Pk.	Price, ₩
CL.1158970	Pen, Marker, for Low-Temp, 0.5mm Tip, Black	12,070		10ea	120,250



Monami® 3-Color Permanent Namepen, Oil-Based, 0.4 · 1.0 · 1.8mm Tip
Ideal for Histology Marking, Write On Plastic, <Korea-Made> 유성 네임펜

■ ***Good for Lab-Marker "Permanent Marking"***
* Oil-Based, Fast Drying, Write On Plastic Surface.

〈B4〉

		Ea. Price,₩
M9.A15533	**0.4mm Tip** Name Pen, Black	720
M9.A18382	, Blue	720
M9.A18383	, Red	720
M9.A47457	**1.0mm Tip** Name Pen, Black	720
M9.A47458	, Blue	720
M9.A47459	, Red	720
M9.A18384	**1.8mm Tip** Name Pen, Black	800
M9.A18385	, Blue	800
M9.A18386	, Red	800



Culture ;

Bottle ····· P. 78, 88~89
- Baffled Shaking *New* ····· P. 78
- Drosophila ····· P. 89
- Media Lab Bottle *New* ····· P. 88
- Roller Culture Bottle ····· P. 88
- Stirred Bottle Reactor-set ····· P. 619
- TILT GL56 Media Bottle ····· P. 78

Cell Blade / Lifter / Scraper ····· P. 221~222

Cell Spreader *New* ····· P. 221

Cell Strainer & Pestle ····· P. 223

Counting Cell / Colony ····· P. 204~205, 224

Dish ····· P. 240~243
- Confocal Culture Dish *New* ····· P. 240
- Petri Dish *New* ····· P. 241~243
- Treated Culture Dish ····· P. 240

Flask ····· P. 325~327
- Baffled Shaking ····· P. 326, 330~331
- Erlenmeyer ····· P. 326
- Fernbach-type ····· P. 327
- Treated Culture Flask ····· P. 325

Innoculating Loop & Needle *New* ····· P. 222~223

Plate ····· P. 804~806

Roller Culture Apparatus ····· P. 225~227

Roller Culture Incubator ····· P. 227

Tissue Grinder, Glass / Plastic / Stirrer ····· P. 842~845

Tube, Glass & Plastic ····· P. 856~860, 867~868

Vial ····· P. 896

Articles	Cat. No	Description



Cell Spreader/Stirring Rod, Stainless-steel, L165 & 240mm
For Bacteriological Applications, Autoclavable, **삼각 셀 스프레더/교반봉, 다용도**

■ ***Supplied by SciLab Korea***

∗ Ideal for Spreading and Dispersing, Distribution Across Media. ∗ Smooth Triangular ends

〈L1〉

		Ea.	Price, ₩
SL.Spr7001	Cell Spreader/Stirring Rod, Stainless-steel, Φ3×L165×Blade width 35mm		2,590
SL.Spr7002	, Φ3×L165×Blade width 45mm		2,590
SL.Spr7003	, Φ3×L240×Blade width 30mm		2,740



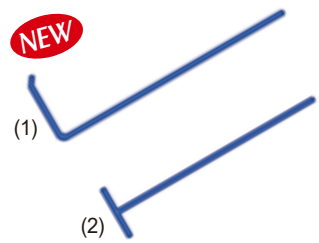
Steriled Triangle- Cell Spreader, Individually Packed, L210mm
Made of Polypropylene(PP), Blue Color, −10℃+125/140℃, Autoclavable, **삼각 셀 스프레더, 개별 멸균 포장**

■ ***Supplied by DAIHAN Korea***

∗ Designed to Spread and Disperse Liquid onto the Surface of an Agar-plate without Gouging or Cutting the Medium

〈L1〉

		Pk.	Price, ₩	Cs.	Price, ₩
DH.Spr3001	Spreader, PP, Total-L210mm, Blade width×30mm, Triangle-shaped	5ea	550	20pk	47,990



Wisd™ Steriled L- & T-Shaped Cell Spreader, Individually Packed, L137 & 148mm
Made of Polypropylene(PP), −10℃+125/140℃, Autoclavable, **L&T형 셀 스프레더, 개별 멸균 포장**

■ ***Supplied by DAIHAN Korea***

∗ Ideal for Spreading Cell or Bacterial Cultures evenly ∗ Gamma Sterilized

∗ Spreaders are manufactured of Polypropylene and Pre-sterilized

〈L1〉

		Pk.	Price, ₩	Cs.	Price, ₩
DH.Spr3011	(1) Cell Spreader, PP, L-Shaped, 148×L38mm	200ea	24,550	10pk	227,300
DH.Spr3012	(2) , T-Shaped, 137×L33mm	200ea	24,550	10pk	227,300



Biofil® Sterile L-Shaped Cell Spreader, 100,000 Clean Grade, Non-pyrogenic
Made of Polypropylene(PP), Reusable, Autoclavable, Nonbreakable, PP **셀 스프레더, 멸균**

■ ***Manufactured in Class 100,000 Cleanroom with Materials Conforming to USP CLASS VI Standards under the Quality Control of ISO 13485 & 9001 and CE.***

■ ***Batch Certifications : Lot No. is Printed on Every Case (or Pack) for Quality Traceability.***

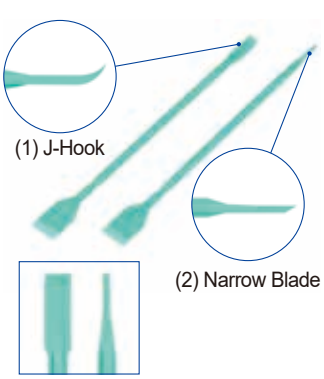
∗ Smooth spreading Surface with slight Upward return reduces the Risk of Damaging Agar sample.

∗ Sterilized by Gamma Irradiation

∗ The L-shaped allows Application on the entire Dish or Plate Surface.

〈L1〉

		Pk.	Price, ₩	Cs.	Price, ₩
J1.S012.014	L-Shaped Cell Spreader, PP, 145×L37.5mm, Sterile, 10pcs/Pk	10ea	1,020	50pk	45,240



Biofil® Sterile Exchangeable Cell Blade and Lifter, HDPE
Useful for Harvesting Cells, Clean Class 100,000, Sterile Individual Package, **셀 블레이드 & 리프터**

■ ***Manufactured in Class 100,000 Cleanroom with Materials Conforming to USP CLASS VI Standards under the Quality Control of ISO 13485 & 9001 and CE.***

■ ***Batch Certifications : Lot No. is Printed on Every Case (or Pack) for Quality Traceability.***

∗ Convenient Operation : Special Blade Design Minimizes Cell Damage

∗ HDPE ; -50℃+105/120℃

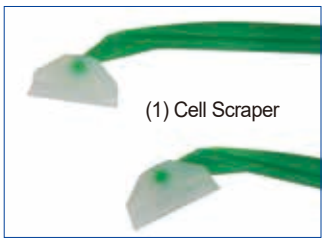
∗ Available with 2 different styles of 9.0mm Narrow Blade and 2.5mm J-Hook

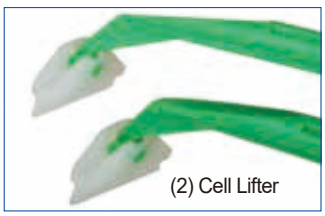
∗ DNase- & RNase-free, Non-pyrogenic

〈L1〉

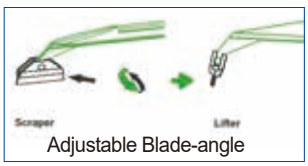
		Cs.	Price, ₩
J1.S013.001	(1) 19mm Flat Blade, with 9.0mm J-Hook, Sterile, Light Green	100ea	54,350
J1.S013.002	(2) , with 2.5mm Narrow Blade, Sterile, Light Green	100ea	54,350

Articles	Cat. No	Description





Biofil® Sterile Cell Scraper and Lifter, with Adjustable Blade-angle, Individual Package
With Pivoting TPE Blade & ABS handle, 100,000 Clean Grade, **셀 스크래퍼와 리프터, 개별 멸균 포장**



Adjustable Blade-angle

■ ***Manufactured in Class 100,000 Cleanroom with Materials Conforming to USP CLASS VI Standards under the Quality Control of ISO 13485 & 9001 and CE.***
■ ***Batch Certifications : Lot No. is Printed on Every Case (or Pack) for Quality Traceability.***
* with 2 different lengths of 25cm with 2.0cm Blade, 39cm with 3.0cm Blade
* Two Positions of Blade : Scraper and Lifter
* These Particularly Thin, Swiveling, Flexible Blades are Easy to Use
* Slender, Tepid, Easy to blow to them and Collect Cells.
* Non-Pyrogenic. * γ-sterile

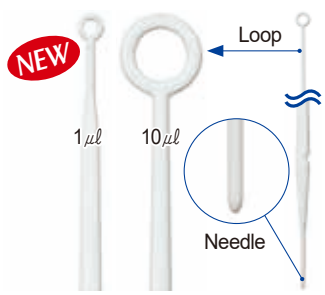
〈L1〉

(1) Cell Scraper

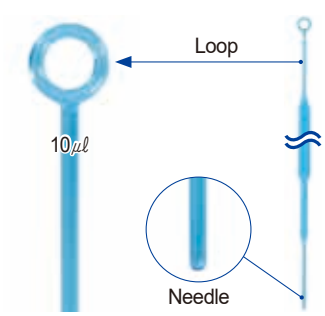
		Pk.	Price, ₩	Cs.	Price, ₩
J1.S011.025	Cell Scraper, 2.0cm Blade width × L25cm	1ea	930	100ea	82,220
J1.S011.039	, 3.0cm Blade width × L39cm	1ea	1,350	100ea	120,550

(2) Cell Lifter

		Pk.	Price, ₩	Cs.	Price, ₩
J1.S012.025	Cell Lifter, 2.0cm Blade width × L25cm	1ea	930	100ea	82,220
J1.S012.039	, 3.0cm Blade width × L39cm	1ea	1,350	100ea	120,550



(1) & (2) Loop/Needle



(3) Kartell® Loop/Needle

mediclin® Steriled Disposable Inoculating Loop/Needle, ABS/HIPS, Flexible, 1 & 10㎕
Packed in Peel to Open Paper/Plastic, **멸균 플라스틱 접종루프 겸 니들**

■ ***멸균 청결 포장된 한쪽은 루프, 다른 한쪽은 니들***
* ABS(Acrylonitrile Butadiene Styrene) or HIP(High Impact Polystyrene)
* Sterile Package : 1pcs / Individual Pack, 10pcs / Sterile Inner Pack, 20pcs / Sterile Bag, 400pcs(20 bag) / Inner Pack, 8000pcs(20 pack) / Case
* Hexagonal Body for Good Grip

(1) Individual Package of Paper-Vinyl, 1㎕ & 10㎕ NEW


Sterile Package

〈M1〉

■ ***Supplied by DAIHAN Korea***

		dh pk.	Price,₩	Cs.	Price, ₩
DM.Loo3004	Loop/Needle, Inoculating, Sterile, L198mm, 1㎕ , White	20ea	2,400	5000ea	497,500
DM.Loo3001	, 10㎕, White	20ea	2,400	5000ea	497,500

(2) 10pcs Package of Paper-Vinyl, 1㎕ & 10㎕ NEW

■ ***Supplied by DAIHAN Korea***

		Pk.	Price,₩	Cs.	Price, ₩
DM.Loo3005	Loop/Needle, Inoculating, Sterile, L198mm, 1㎕ , White	10ea	950	1000pk	872,500
DM.Loo3002	, 10㎕, White	10ea	950	1000pk	872,500

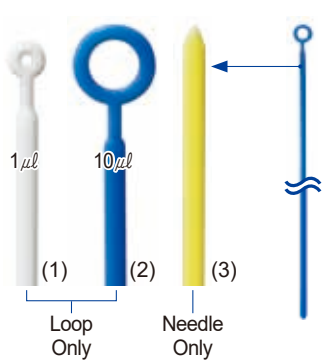
(3) Kartell® <Italy-Made> 20pcs Package of Vinyl, 10㎕


Sterile Package

〈L1〉

* "Loop-cum-Needle" : one side 10㎕ Loop, the other side Needle(Blue)

		Pk.	Price,₩	Cs.	Price, ₩
KA.2651	Loop/Needle, Inoculant, Sterile, L195mm, 10㎕, Blue	20ea	2,140	400pk	827,820



Biofil® Sterile Treated Inoculating Loop and Needle, PP, Quality Traceable, 1 & 10㎕
With Treated Surface, 100,000 Clean Grade, **일회용 멸균 접종 루프 와 니들, 멸균 · 특수 표면 처리**

■ ***Manufactured in Class 100,000 Cleanroom with Materials Conforming to USP CLASS VI Standards under the Quality Control of ISO 13485 & 9001 and CE.***
■ ***Batch Certifications : Lot No. is Printed on Every Case (or Pack) for Quality Traceability.***
* Vacuum-gas Plasma Surface treated. * Accurate Sampling Volume Design.
* Sterile Package : 20pcs / Sterile Inner Pack, 2,000pcs (20ea × 100Pk) / Outer Case. * γ-sterile
* Long flexible stem can be bent. * Color-coded

〈L1〉

		Pk.	Price,₩	Cs.	Price, ₩
J1.L011.001	(1) Loop Only, Inoculating, Sterile, 218mm, 1㎕ , White	20ea	1,190	100pk	106,540
J1.L011.010	(2) , 221mm, 10㎕, Blue	20ea	1,190	100pk	106,540
J1.L021.001	(3) Needle Only, Inoculating, Sterile, 221mm, Yellow	20ea	1,190	100pk	106,540

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



Platinum Wire, for Inoculating, 99.9%, 백금선

■ ***Made in Korea*** ∗ Roll Packing or Supplied as the Desired Length. ∗ Price : per cm

〈L1〉

		Ea.	Price, ₩
DH.WIP001	Pt-wire, Φ0.3mm	1cm	2,070
DH.WIP002	, Φ0.5mm	1cm	5,820
DH.WIP003	, Φ0.8mm	1cm	13,000
DH.WIP004	, Φ1.0mm	1cm	20,250



Holder for Inoculating Loop · Needle · Lancet, L120 & 230mm, 경제형 홀더

■ ***Supplied by SciLab Korea***

〈L1〉

(1) Aluminum Holder, with Plastic handle, L230mm

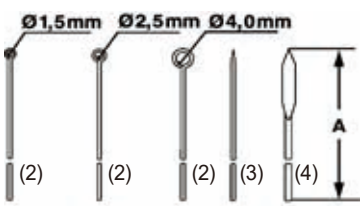
		Ea.	Price, ₩
SL.Ned7011	Aluminum Holder Only, L230mm		6,470

(2) All Stainless-steel Holder, with a Needle, L120mm, 스텐 니들 포함

		Ea.	Price, ₩
SL.Ned7013	Stainless-steel Holder, with a Needle, L120mm		9,720



(1)
Holder, L230(120+110)mm



Bochem® Premium Aluminium Holder and Stainless-steel Loop · Needle · Lancet

Suitable for Inoculating, 고품질 알루미늄 홀더와 스텐 루프 · 니들 · 란셋

■ ***Supplied by Bochem® in Germany***

∗ Holder ; Made of Fine Aluminum & Plastic Handle ; Light-Weight, L230mm

∗ Loop · Needle · Lancet ; Made of High Grade Stainless-steel of 18/10 Cr-Ni ; Non-magnetic, Rust-free, Excellent Resistance to Acid / Chemicals / Heat

〈L1〉

		Ea.	Price, ₩
BC.12000	(1) Holder Only, Aluminum, L230(120+110)mm		22,350
BC.12001	(2) Loop, Stainless-steel, Φ1.5mm, L100mm		4,230
BC.12002	, Φ2.5mm, L100mm		4,230
BC.12003	, Φ4.0mm, L100mm		4,230
BC.12004	(3) Needle, Stainless-steel, L100mm		3,120
BC.12005	(4) Lancet, Stainless-steel, L100mm		5,890



Stainless-steel Holder & Needle Set

Bochem® Premium Holder with a Needle, High Grade Stainless-steel, L120mm

Hold for Inoculating Loop · Needle · Lancet, 스텐 홀더, 스텐 니들 포함, 비자성/비부식

■ ***Supplied by Bochem® in Germany***

■ ***특급 스텐(18/10 크롬·니켈) 제품; 비자성, 비부식, 내산성 / 내약품성 / 내열성-우수***

■ ***High Grade Stainless-steel of 18/10 Cr-Ni; Non-magnetic, Rust-free, Excellent Resistance to Acid / Chemicals / Heat***

〈L1〉

		Ea.	Price, ₩
BC.12006	Stainless-steel Holder, with a Needle(BC.12004), L120mm		29,300



Cell Strainer for
50㎖ Centri-Tube

Cell Strainer with Strong Nylon Filter Mesh, for 50㎖ Centrifuge Tube, γ-Sterile

Mesh 40 · 70 · 100㎛, Insert part Φ25.7mm, Color-coded, Individual Packed, 셀여과기

■ ***Supplied by SciLab Korea*** ■ ***셀 분리, 이물질 제거할 수 있는 여과기가 부착되어 있음***

∗ Strong Nylon Mesh for Optimal Performance in a Variety of Applications.

∗ Evenly Spaced Mesh Pores providing Consistent and Reliable Results.

∗ Polypropylene Frame features a Molded Tab for Easy Handling.

〈L1〉

		Ea.	Price, ₩	Cs.	Price, ₩
SL.Fil3001	Cell Strainer, Nylon Filter Mesh-hole, 40㎛ , Purple	2,420		100ea	220,670
SL.Fil3002	, 70㎛ , Orange	2,420		100ea	220,670
SL.Fil3003	, 100㎛, Green	2,420		100ea	220,670



Biofil® Sterile Pestle for Cell Strainer, PP, Used with 50㎖ Centrifuge Tube, L135mm

With Non-slip and Easy Grip Handle, Individual Package, 셀 여과기용 PP 패슬, 개별 멸균 포장

■ ***Manufactured in Class 100,000 Cleanroom with Materials Conforming to USP CLASS VI Standards under the Quality Control of ISO 13485 & 9001 and CE.***

■ ***Batch Certifications : Lot No. is Printed on Every Case (or Pack) for Quality Traceability.***

∗ High Hardness and Wear Resistance ∗ Non-slip and Easy Grip Handle ∗ Autoclavable, −10℃+125/140℃

∗ A mesh bottom line, Grinding Better ∗ Support for Reducing Sample Loss

∗ DNase/RNase-free and Non-pyrogenic

〈L1〉

		Pk.	Price, ₩	Cs.	Price, ₩
J1.P001.001	PP Cell Strainer Pestle, L135mm	1ea	1,090	100ea	97,420

Articles	Cat. No	Description



3M Petrifilm Count Plate

3M® Petrifilm® Count Plate, Accurate, Easy-to-Use, Save Time to Improve Efficiency
For Aerobic · Yeast & Mold · Coliform · Staph Express · E.coil & Coliform, **건조필름배지**

- ***Biologix Film에서 세균 및 진균류가 증식할 수 있도록 영양성분을 필름에 코팅한 형태로 미생물 시험법 중 하나인 건조 필름법에 사용 되는 배지임***
- ***Accurate results in three easy steps : inoculate, incubate and count***
- ***Improved efficiency***
- ***Reduced labor costs***
- ***Standardization of methodology***
- ***Increased productivity and reliability***

3M™ Petrifilm™ Plates improve labor productivity and reduce overall costs. They are a family of sample-ready plates that are uniquely designed to offer you time savings, increased productivity, reliability, and most of all a reduction in operational costs vs. traditional methods that you can feel confident about. 〈L4〉

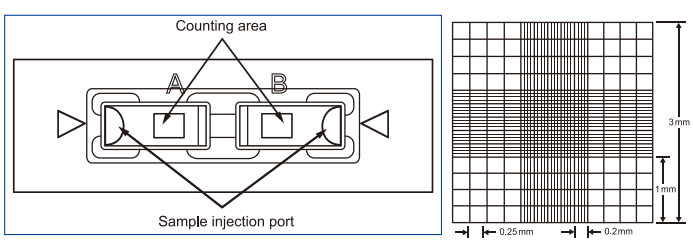
		Pk.	Price,₩	Cs.	Price, ₩
3M.01.1001	Petrifilm, Aerobic Count Plate	50ea	60,940	20pk	
3M.01.1002	, Yeast and Mold Count Plate	50ea	84,380	20pk	
3M.01.1003	, Coliform Count Plate	25ea	35,940	40pk	
3M.01.1004	, Staph Express Count Plate	25ea	92,190	20pk	
3M.01.1005	, E.coli/Coliform Count Plate	25ea	50,000	20pk	

INCYTO® Disposable PMMA Hemocytometer C-Chip™, Microchip Type Hemocytometer
Made of Poly Methyl Methacrylate(PMMA)Chip, Light, Robust, Biocompatible, Transparent, **일회용 정밀 세포수 측정**

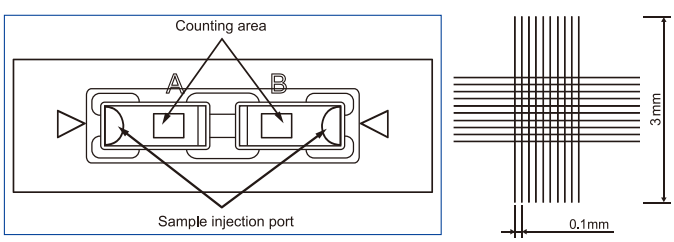


Disposable PMMA Hemocytometer C-Chips™

- ***Made In Korea***
- ***Precise fixed depth counting chamber with superior accuracy and reproducibility***
- ***No need to place cover glass on slide : possible to do precise quantification***
- ***Reduces the risk of exposure to potentially infectious material***
- ***Increases productivity by eliminating cleaning and work interruptions***
- ***PMMA(Poly Methyl Methacrylate) Very light and not breakable, compared with glass***
- ∗ Blood Analysis(Hematology) : Blood cell counting
- ∗ Cell Culture : Cell Concentration Measurement. Cell Viability Test
- ∗ Microbiology : Bacterial & Fungal Spores Counting



(1) Neubauer Improved, C-Chip™



(2) Semen Test, C-Chip™

(1) Neubauer Improved, C-Chip™

∗ Ideal for Blood Analysis, Cell Viability Test, Cell Concentration Measurement
∗ Size : w25×d75×h1.6mm ∗ Grid : System Neubauer Improved Grid
∗ Chamber depth : 0.1mm ∗ Chamber volume : 10㎕

〈L3〉

		Pk.	Price,₩	Cs.	Price,₩
I5.N015	C-Chip, Disposable Cell Counting, Neubauer Improved, 50Pcs	50ea	84,380	20pk	
I5.N012	, 20Pcs	20ea	33,750	50pk	

(2) Semen Test, C-Chip™

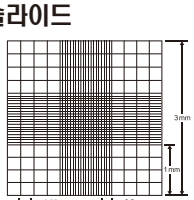
∗ Ideal for Bacterial & Fungal spores Counting, Sperm Counting
∗ Size : w25×d75×h1.6mm ∗ Grid : Semen Test Grid
∗ Chamber depth : 0.02mm ∗ Chamber volume : 3㎕

		Pk.	Price,₩	Cs.	Price,₩
I5.S025	C-Chip, Disposable Bacterial Counting, Semen Test, 50Pcs	50ea	168,750	20pk	
I5.S022	, 20Pcs	20ea	67,500	50pk	

INCYTO® Disposable PMMA Slide, with Neubauer Improved Grid, Chip, Light, Transparent, 25×75×thick 1.1mm
With Index Note on PP Case, Ideal for Cell Counting · Concentration Measurement · Viability Test, **일회용 세포수 측정 슬라이드**



- ***Increases Productivity by Eliminating Cleaning and Work Interruptions***
- ***PMMA(Poly Methyl Methacrylate) Very Light and not Breakable, Compared with Glass***
- ∗ Blood Analysis(Hematology) : Blood Cell Counting
- ∗ Cell Culture : Cell Concentration Measurement. Cell Viability Test
- ∗ Size : w25×d75×h1.1mm
- ∗ Grid : System Neubauer Improved Grid



Neubauer Improved Grid 〈L3〉

		Cs.	Price, ₩
I5.GSC100	Slide, Disposable Cell Counting, Nebauer Improved, 25Pcs	25pcs	21,100

※ The Price(VAT is extra) for Korean End-user, and Changeable.

▶ Culture Bottles · Dishes · Flasks
⇒ See the "Bottles", "Dishes", and "Flasks" Section!

Wheaton® Mini Bottle Roller Culture Apparatus, Bench-top type, 4 Bottles per Deck, for Φ38~60mm Bottle, 3~45rpm

Ideal for Cell Cultivation & Staining Procedures, Available to Triple Capacity, UL · CSA · CE, <USA-Made> **탁상용 (최소형 Bottle) 회전배양기**



Mini Roller Appa.
W348923.C



Addit-Deck

Shown with Additional Deck Kit

- ***세포배양 및 염색에 적합***
- ***Deck Kit는 3개까지 사용가능***
- ***Small-scale Mixing & Agitation***
- ***4 Small Bottles per Deck***
- ***For Bottles Φ38 to 60mm, up to 240mm long***
- ***Speed 3~45rpm (Φ38mm bottle) and 2~30rpm (Φ60mm Bottle)***
- ∗ Compact Size for Laboratories in Limited Space and for Use with Incubators & Cold Rooms
- ∗ Allows for Serum and Media Bottles as well as Culture Tubes.
- ∗ Continuous Rotation provides Better Distribution of Media and Uniform Gassing.
- ∗ Precise and Reproducible Speed Adjustments
- ∗ Roller Shafts are Mounted in Self Lubricating Nylon Bearings ; Maintenance Free
- ∗ Deck Kit can be Added and Available to Double or Triple Capacity.
- ∗ Supplied without Bottles.



Additional Deck Kit

Specifications

Capacity	4~12 Positions
Bottle Size	Φ38~60mm, Length up to 240mm
Bottle Speed	3~45rpm
Temperature Range	10℃~40℃
Dimensions	320×325×h180mm
Weight	8 kg
Electrical Requirements	230V, 50/60Hz, 14W

Ordering information

〈L1〉

		Ea.	Price, ₩
WH.W348923.C	**Mini Roller Appa. with 1-deck** for 4 Mini Bottle		4,088,540
WH.W348920.CH	**Additional Mini Deck Kit only**		1,400,030

Wheaton® Bench Top Roller Culture Apparatus, 2 Bottles per Deck, for Φ108~121mm Bottles, 0.1~3.8rpm

Ideal for Cell Culture Research and Pilot Applications, Available to Triple Capacity, UL · CSA · CE, **탁상용(소형 Bottle) 회전배양기**



Roller Appa.
W348924.C



Addit-Deck

Shown with Additional Deck Kit

- ***Supplied by Wheaton® in USA***
- ***세포배양 및 Pilot에 적합***
- ***Deck Kit는 3개까지 사용가능***
- ***2 Vessels per Deck***
- ***For Bottle Φ108 to Φ121 mm and up to 290 mm long***
- ∗ Extremely Compact Unit, Well-suited for Research Work.
- ∗ Two outside Rollers can be Moved inward to Accommodate Bottles as small as Φ108 mm.
- ∗ Used with Glass or Plastic Roller Bottles.
- ∗ Deck Kit can be Added and Available to Double or Triple Capacity.
- ∗ Additional Deck Kit consists of assembled Roller Deck, Four Support Posts, Drive Belt, Necessary Hardware and Assembly Instructions.
- ∗ Supplied without Bottles.



Additional Deck Kit

Specifications

Capacity	2~6 Positions
Bottle Size	Φ108~121mm, Length up to 290mm
Bottle Speed	0.1~3.8rpm (110mm Diameter Bottle)
Temperature Range	10℃~40℃
Dimensions	320×325×h180mm
Weight	8 kg
Electrical Requirements	230V, 50/60Hz, 35W

Ordering information

〈L1〉

		Ea.	Price, ₩
WH.W348924.C	**Roller Culture Appa. with 1-deck** for 2 Vessel		3,466,570
WH.W348930.CH	**Additional Deck Kit only**		1,063,590

Wheaton® Roller Culture Apparatus, Modula Spacing, 1~9 Decks for 5~45 Bottles, Removable Decks
With Bottom Mounted Standard Digital Control System, Belt Driven & Brushless DC Motor, <USA-Made> 모듈라 회전배양기



Roller Culture Apparatus



Use Example
; Roll-in Incubator with Apparatus

- ***Base Drive Unit 과 5-Position (배양병 5개용) Roller Deck 1개가 기본이며, 필요에 따라 5-Position Deck을 8개 까지 추가하여 Scale-up가능***
- ***Multiple Decking and Capacity Configurations available for Process Flexibility***
- ***The Surface mount Gold Plated Electrical Connections for Better Reliability in High Temperature Environments***
- ***Updated Industry Standard Networking Communications Protocols and Connections***
- ***Maintenance Free Brushless DC Motors for Years of Trouble-free Operation***

∗ Can Easily Use One 5 position Base Unit or Add up to Eight Additional 5 Position Decks.
∗ Bottom Mounted Control System : Ideal Design for Easy Access and Floor Mounted Connections.
∗ Bright Digital Display for Easy Operation.
∗ Modular Systems have 181mm(7.125″) Deck Spacing for Easy Removal and Replacement of Bottles.
∗ Optional Deck Installation Kit for Modular Systems with Removable Decks.

Specifications

Capacity / Deck Spacing	5~45 Positions / 181mm
Bottle Speed	0.25~8.1 RPM (110mm Dia. Bottle, other Speeds Available)
Bottle Diameter / Bottle Length	108~121mm / Up to 550mm
Accuracy	0.1 RPM
Drive / Motor Type	Belt Driven / Brushless DC
Rotation Direction	Clockwise and Counter-Clockwise
Remote Communication	Dry Contact Relay Alarm
Humidity / Operating Temperature	80% up to 31℃ / 10℃~40℃
Electrical	AC 230V, 50/60 Hz, 35W
Rotation Alarm and Battery Backup System	On Request

Ordering Information

〈L2〉

		Ea. Price, ₩
WH.WSBMR5010.C	Roller Apparatus, Modula Spacing, with 1 deck for 5×bottles (Exterior Dimensions : 79×65×h33cm)	10,872,840
WH.WSBMR5020.C	Roller Apparatus, Modula Spacing, with 2 decks for 10×bottles (Exterior Dimensions : 79×65×h52cm)	13,713,900
WH.WSBMR5030.C	Roller Apparatus, Modula Spacing, with 3 decks for 15×bottles (Exterior Dimensions : 79×65×h70cm)	16,125,720
WH.WSBMR5040.C	Roller Apparatus, Modula Spacing, with 4 decks for 20×bottles (Exterior Dimensions : 79×65×h88cm)	16,823,380
WH.WSBMR5050.C	Roller Apparatus, Modula Spacing, with 5 decks for 25×bottles (Exterior Dimensions : 79×65×h106cm)	20,696,790
WH.WSBMR5060.C	Roller Apparatus, Modula Spacing, with 6 decks for 30×bottles (Exterior Dimensions : 79×65×h124cm)	22,916,890
WH.WSBMR5070.C	Roller Apparatus, Modula Spacing, with 7 decks for 35×bottles (Exterior Dimensions : 79×65×h142cm)	23,085,250
WH.WSBMR5080.C	Roller Apparatus, Modula Spacing, with 8 decks for 40×bottles (Exterior Dimensions : 79×65×h160cm)	27,044,880
WH.WSBMR5090.C	Roller Apparatus, Modula Spacing, with 9 decks for 45×bottles (Exterior Dimensions : 79×65×h178cm)	28,943,850
WH.W348887	Optional Deck Installation Kit, 5×Bottle Positions (Exterior Dimensions : 79×65×h18cm)	3,227,930

Additional Roll-in Incubator for Roller Culture Apparatus

		Ea. Price, ₩
WH.W753684.C.E	Roll-in Incubator, 220V/60Hz, Dimensions : (Interior) 89×66×h193cm, (Exterior) 104×86×h221cm Microprocessor Controller, 8℃ Above Ambient to 70℃, 4 Interior Electrical Outlet	32,734,120

※ Excluding Delivery & Installation Charges



※ Roller Culture Bottles
⇒ See the "Bottles, Plastic-Culture" Section!

※ The Price(VAT is extra) for Korean End-user, and Changeable.

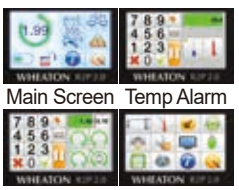
Wheaton® R2P™ 2.0 Roller Culture Apparatus, R2P 2.0 Control System, 1~11 Decks for 5~55 Bottles
With Top or Bottom Mounted Controller, 0.25~8.1/±0.01 rpm, Fixed/Removable Decks
With Advanced Color Touch Screen Interface, Belt Driven & Brushless DC Motor, <USA-Made> R2P™ 2.0 프로그램식 회전배양기



R2P™ 2.0 with 3 Decks

- ***Robust a Color Touch Screen Interface that is Easy to View from a Distance***
- ***An Icon Driven Interface with Intuitive Menus and Navigation***
- ***Multiple Decking and Capacity Configurations available for Process Flexibility***
- ***The Surface mount Gold Plated Electrical Connections for Better Reliability in High Temperature Environments***
- ***Updated Industry Standard Networking Communications Protocols and Connections***
- ***Lower Power Consumption for Longer Battery Run Time and a Safer Design***

* Backwards Compatibility for Continuing Support of Existing Installations
* Retrofit Kits available to Update Older Wheaton Systems or Unsupported Systems
* Maintenance Free Brushless DC Motors for Years of Trouble-free Operation
* Capable of Remote Control and Monitoring through SCADA Systems
* USB Downloadable System Event Log



Main Screen Temp Alarm
Bottle Speed Factory Setup

Specifications
‹L2›

Capacity	5~55 positions
Bottle Speed	0.25~8.1 RPM (110mm Dia. Bottle, other Speeds Available)
Bottle Diameter / Bottle Length	108~121mm / Up to 550mm
Accuracy	0.01 RPM
Drive / Motor Type / Rotation Direction	Belt Driven / Brushless DC / Clockwise and Counter-Clockwise
Belt Break Alarm	Included
Option	Temperature Monitoring and Battery Backup
Remote Communication	Modbus® and Wheaton® Protocol via Ethernet TCP/IP and RS422/485
Humidity / Operating Temperature	80% up to 31℃ / 10℃~40℃
Electrical	AC 230V, 50/60 Hz, 35W

		Ea. Price, ₩
WH.WRBPR5010.C	Roller Apparatus, R2P 2.0, with 1 deck for 5×bottles	15,812,430
WH.WRBPR5030.C	, with 3 decks for 15×bottles	21,795,320
WH.WRBPR5110.C	, with 11 decks for 55×bottles	37,709,090
WH.W348889	Optional Deck Installation Kit, 5×Bottle Positions	2,688,900

※ Excluding Delivery & Installation Charges
※ Temperature Monitoring and Battery Backup Options are available! Please contact us.

Wheaton® Roll-In Incubator, for Roller Culture Apparatus, Ambient 8℃~70℃
With Interior Electrical Outlet & Viewing Window, UL, CSA and CE, <USA-Made> 회전배양기용 인큐베이터



Roll-in Incubator
with Shelf & Apparatus

- ***Compatible with :***
  - ***Production-spaced R2P 2.0 and Standard Roller Apparatus with up to 11 Decks.***
  - ***Modular-spaced R2P 2.0 and Standard Roller Apparatus with up to 9 Decks.***
- ***4 Internal Electrical Power Outlets for Magnetic Stirrers, Orbital Shakers or Roller Apparatus.***
- ***Designed for Temperature Uniformity.***

* Convenient, Space-saving and Economical alternative to a Warm Room for Small Production runs.
* Can also be used in Combination with Optional Shelves to accommodate Spinner Flasks, Rocker and other Types of Cell Culture Laboratory Equipment.
* Forced-air Circulation with Digital Temperature Control. * Net Weight : 331kg
* Includes Digital Temperature Control Keypad with Digital Display of Set-point and Actual Temperature.
* Viewing Window with an Option for Dual Windows. * Independent Over-Temperature Safety Protection.
* Double Walled Construction for Temperature Stability and Easy Cleaning. * 1 Year Warranty

Specifications
‹L1›

Capacity	1160 Lit
Interior Dimensions / Exterior Dimensions	w890×d660×h1930 mm / w1040×d860×h2210 mm
Control	Microprocessor Controlled ±0.1℃
Temperature Range / Uniformity	8℃ above Ambient to 70℃ / Forced Air Circulation ±0.5℃ at 37℃
Shelving / Interior Electrical Outlet	20 Maximum / 4
Electrical	AC 230V, 50/60 Hz, 12A-8A

		Ea. Price, ₩
WH. W753684.C.E	Roll-In Incubator, Ambient 8℃~70℃	33,816,250
WH.753685	**Optional Shelf** for Roll-In Incubator	987,220

※ Excluding Delivery & Installation Charges

Articles	Cat. No	Description



SciLab® A-Class Standard Measuring Cylinder, With Batch Certificate, With Spout, 5~2,000㎖
Hexagonal-Base & White Graduation, Boro Glass 3.3, A급 메스실린더

■ *Supplied by SciLab Korea* ■ *Boro Glass 3.3* ■ *with Batch Certificate (배치성적서 포함)*
■ *A-Class로 높은 정밀도의 액체 부피 측정이 요구되는 화학, 생물학, 약학 실험에 적합*

<L1>

			Pk.	Price, ₩
SL.Cyl1001	Cylinder, Boro 3.3, 5 / 0.1㎖	, accu. ±0.05㎖	2ea	15,720
SL.Cyl1002	, 10 / 0.2㎖	, ±0.1㎖	2ea	16,090
SL.Cyl1003	, 25 / 0.5㎖	, ±0.25㎖	2ea	20,200
SL.Cyl1004	, 50 / 1.0㎖	, ±0.25㎖	2ea	21,000
SL.Cyl1005	, 100 / 1.0㎖	, ±0.5㎖	2ea	22,410
SL.Cyl1006	, 250 / 2.0㎖	, ±1.0㎖	2ea	37,510
SL.Cyl1007	, 500 / 5.0㎖	, ±2.5㎖	2ea	46,560
SL.Cyl1008	, 1,000 / 10.0㎖,	±5.0㎖	2ea	55,040
SL.Cyl1009	, 2,000 / 20.0㎖,	±10.0㎖	1ea	57,400



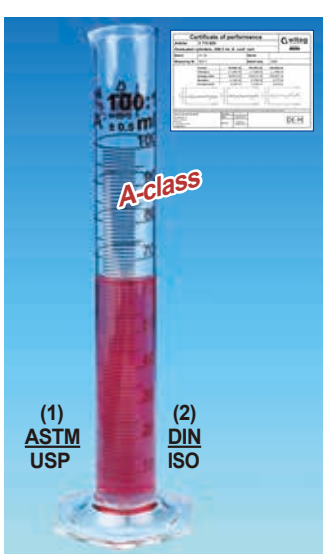
SciLab® A-Class Mixing Cylinder, With PE Stopper & Hexagonal-Base, 5~2,000㎖
White Fine Graduation, Excellent Accurate Measurement, Boro Glass 3.3, A급 믹싱 실린더

■ *Supplied by SciLab Korea* ■ *Boro Glass 3.3*
■ *A-Class로 높은 정밀도의 액체 부피 측정이 요구되는 화학, 생물학, 약학 실험에 적합*
■ *스토퍼가 있어 시약 및 용액의 혼합에 이상적이며, 외부오염으로부터 보호 및 유출 위험을 줄여 안정성 우수*
■ *Ideal for Mixing Various Liquid in Laboratory such as Chemistry, Biology, and Pharmacology*

<L1>

			Pk.	Price, ₩
SL.Cyl2001	Cylinder-A, PE Stopper, 5 / 0.1㎖	, accu. ±0.05㎖, 10/19	2ea	20,430
SL.Cyl2002	, 10 / 0.2㎖	, ±0.1㎖ , 10/19	2ea	20,940
SL.Cyl2003	, 25 / 0.5㎖	, ±0.25㎖, 14/23	2ea	23,650
SL.Cyl2004	, 50 / 1.0㎖	, ±0.25㎖, 19/26	2ea	27,320
SL.Cyl2005	, 100 / 1.0㎖	, ±0.5㎖ , 24/29	2ea	29,120
SL.Cyl2006	, 250 / 2.0㎖	, ±1.0㎖ , 29/32	2ea	48,740
SL.Cyl2007	, 500 / 5.0㎖	, ±2.5㎖ , 34/35	2ea	60,510
SL.Cyl2008	, 1,000 / 10.0㎖,	±5.0㎖ , 45/40	2ea	71,530
SL.Cyl2009	, 2,000 / 20.0㎖,	±10.0㎖, 45/40	1ea	74,610

"witeg" Premium A-class ASTM/USP and DIN/ISO Batch Certificated Graduated Cylinder, Tall-form, 5~2,000㎖
With Spout-Amber Stain Scale · Hexagonal Base · DURAN Glass 3.3 · DE-M marked, <Germany-Made> DIN & ASTM 표준 메스실린더, 배취보증서, 갈색침투눈금



USP and DIN Standard
A-Class, Batch Certificate

(1) ASTM / USP Standard, Batch Certificate

■ *USP : United States Pharmacopeia Standard*

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			Ea. Price,₩	Pk.	Price, ₩
WI.3715001USP	Cylinder-A, ASTM / USP, 10 / 0.2㎖	, accu. ±0.10㎖	15,180	10ea	147,180
WI.3715003USP	, 25 / 0.5㎖	, ±0.17㎖	16,330	10ea	158,230
WI.3715005USP	, 50 / 1.0㎖	, ±0.25㎖	17,540	10ea	169,920
WI.3715010USP	, 100 / 1.0㎖	, ±0.50㎖	19,470	10ea	188,670
WI.3715025USP	, 250 / 2.0㎖	, ±1.00㎖	31,530	10ea	305,720
WI.3715050USP	, 500 / 5.0㎖	, ±2.00㎖	56,820	10ea	550,890
WI.3715100USP	, 1,000 / 10.0㎖,	±3.00㎖	85,470		
WI.3715200USP	, 2,000 / 20.0㎖,	±6.00㎖	160,870		

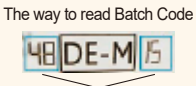
(2) DIN / ISO Standard, Batch Certificate

			Ea. Price,₩	Pk.	Price, ₩
WI.3715000	Cylinder-A, DIN / ISO, 5 / 0.1㎖	, accu. ±0.05㎖	15,150	10ea	146,850
WI.3715001	, 10 / 0.2㎖	, ±0.10㎖	14,230	10ea	137,820
WI.3715003	, 25 / 0.5㎖	, ±0.25㎖	14,640	10ea	141,840
WI.3715005	, 50 / 1.0㎖	, ±0.50㎖	15,740	10ea	152,540
WI.3715010	, 100 / 1.0㎖	, ±0.50㎖	18,140	10ea	175,950
WI.3715025	, 250 / 2.0㎖	, ±1.00㎖	28,450	10ea	275,970
WI.3715050	, 500 / 5.0㎖	, ±2.50㎖	51,700	10ea	501,390
WI.3715100	, 1,000 / 10.0㎖,	±5.00㎖	75,780		
WI.3715200	, 2,000 / 20.0㎖,	±10.00㎖	146,290		

"witeg" Batch Certificate - Easy, Compliant and Available at Anytime

- Can Download the Certificate from 'http://www.witeg.de/en/certificate-center/' with Bath Code On the Surface of the Product.
- Fill in the Batch Code and Click your Product type : Pipette, Flask, Cylinder, Burette
- Contains Production Date, Batch Code and Results of Testing

The way to read Batch Code



Batch Code : 48-15

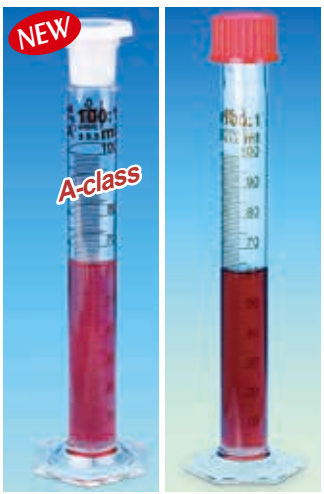


Batch Certificate

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description

"witeg" Premium A-class USP and B-class DIN Mixing Cylinder, with (1) PE Stopper or (2) PBT Screwcap, Graduated, 10~1,000㎖ With Hexagonal Base, DURAN Glass 3.3, ASTM & DIN, <Germany-Made> 믹싱 실린더



(1) USP/ASTM type with PE Stopper (2) DIN/ISO type with PBT Screwcap

■ ***Tall-form & Amber Stain Scale.***

(1) A-class USP/ASTM Standard type, PE Joint Stopper, 105℃ Stable NEW

<L1>

∗ Stopper Joint; Manipulated by SciLab Korea

		Ea. Price,₩	Pk.	Price, ₩
DH.GL1701	Cylinder-A, PE Stopper, 10 / 0.2㎖ , accu. ±0.10㎖, 10/19	25,770	10ea	249,900
DH.GL1702	, 25 / 0.5㎖ , ±0.17㎖, 14/23	26,490	10ea	256,940
DH.GL1703	, 50 / 1.0㎖ , ±0.25㎖, 19/26	27,670	10ea	268,340
DH.GL1704	, 100 / 1.0㎖ , ±0.50㎖, 24/29	29,350	10ea	284,700
DH.GL1705	, 250 / 2.0㎖ , ±1.00㎖, 29/32	46,570	10ea	451,670
DH.GL1706	, 500 / 5.0㎖ , ±2.00㎖, 34/35	66,180	10ea	641,900
DH.GL1707	, 1,000 / 10.0㎖, ±3.00㎖, 45/40	107,220		

(2) B-class DIN/ISO Standard type, Red PBT GL Screwcap, 180℃ Stable

■ ***High Temp Red PBT Screwcap & PTFE / Silicone Septa***

		Ea. Price,₩	Pk.	Price, ₩
WI.3751003	Cylinder-B, GL PBT Cap, 25 / 0.5㎖ , accu. ±0.5㎖, GL18	38,250	2ea	74,200
WI.3751005	, 50 / 1.0㎖ , ±1㎖ , GL25	43,740	10ea	424,130
WI.3751010	, 100 / 1.0㎖ , ±1㎖ , GL32	45,530	10ea	441,520
WI.3751025	, 250 / 2.0㎖ , ±2㎖ , GL45	62,840	10ea	609,430
WI.3751050	, 500 / 5.0㎖ , ±5㎖ , GL45	94,880	10ea	920,150
WI.3751100	, 1,000 / 10.0㎖, ±10㎖ , GL45	110,540	2ea	214,420



Glassco® Educational Measuring Cylinder, B-class, with Detachable PE Hexa-Base, 10~1,000㎖ With PE Bumper Guard, Boro-glass 3.3, <India-Made> B급 메스실린더, 교육용에 적합

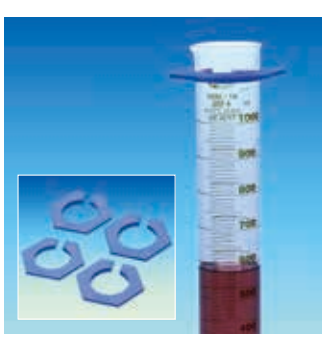
■ ***안전 PE바닥(Base) 탈부착형. 파손 방지용 PE링 범퍼 포함***

∗ Good for Educational Use, with White Graduation. ∗ B-class according to DIN ISO 4788

∗ with Protection PE Bumper Guard & Detachable PE Hexa-Base

<L1>

		Ea. Price,₩	Pk.	Price, ₩
GL.137.202.02	Meas. Cylinder, Detach-base, 10 / 0.2㎖ , accu. ±0.2㎖	4,470	10ea	43,120
GL.137.202.03	, 25 / 0.5㎖ , ±0.5㎖	5,750	10ea	55,420
GL.137.202.04	, 50 / 1.0㎖ , ±1.0㎖	7,230	10ea	69,790
GL.137.202.05	, 100 / 1.0㎖ , ±1.0㎖	10,090	10ea	97,670
GL.137.202.06	, 250 / 2.0㎖ , ±2.0㎖	15,080	10ea	146,080
GL.137.202.07	, 500 / 5.0㎖ , ±5.0㎖	17,550	2ea	34,020
GL.137.202.08	, 1,000 / 10.0㎖, ±10.0㎖		1ea	20,450



Safety PE Bumper for 10~2,000㎖ Standard/Tall-form Cylinders, 실린더 안전 범퍼

<L1>

∗ Made of Polyethylene

		Ea. Price, ₩	Pk.	Price, ₩
SL.Bum3001	Safety Bumper, for 10㎖ Cylinders	1,280	100ea	119,750
SL.Bum3002	, for 25㎖ Cylinders	1,280	100ea	119,750
SL.Bum3003	, for 50㎖ Cylinders	1,280	100ea	119,750
SL.Bum3004	, for 100㎖ Cylinders	1,280	100ea	119,750
SL.Bum3005	, for 250㎖ Cylinders	1,480	50ea	69,200
SL.Bum3006	, for 500㎖ Cylinders	1,730	50ea	81,840
SL.Bum3007	, for 1,000㎖ Cylinders	1,800	25ea	42,950
SL.Bum3008	, for 2,000㎖ Cylinders	2,390	10ea	22,780



DURAN® Low-form Graduated Cylinder, Class B, Good Stability, 10~2,000㎖ With Hexagonal Base & White Enamel Graduation, Boro-glass 3.3, <Germany-Made> 단형 메스실린더

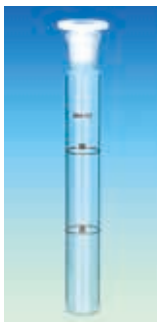
<L1>

∗ More Convenient to Use in Confined Spaces e.g. Fume Cupboards ∗ DIN / ISO 4788

		Ea. Price,₩	Pk.	Price, ₩
DU.2139508	Cylinder, Low, 10 / 1㎖ , accu. ±0.2㎖, Φ21×h90mm	29,250	2ea	56,750
DU.2139514	, 25 / 1㎖ , .±0.5㎖, Φ25×h115mm	29,250	2ea	56,750
DU.2139517	, 50 / 2㎖ , .±1㎖ , Φ29×h145mm	23,330	2ea	45,240
DU.2139524	, 100 / 2㎖ , .±1㎖ , Φ39×h165mm	27,880	2ea	54,070
DU.2139536	, 250 / 5㎖ , .±2㎖ , Φ54×h195mm	34,270	2ea	66,480
DU.2139544	, 500 / 10㎖ , .±5㎖ , Φ65×h250mm	51,820	2ea	100,520
DU.2139554	, 1,000 / 20㎖, .±10㎖ , Φ85×h285mm	86,640		
DU.2139563	, 2,000 / 50㎖, .±20㎖ , Φ105×h340mm	163,690		

Articles	Cat. No	Description


(1) Basic


(2) Stoppered

SciLab® Tall-form Nessler Tube, Color Comparison, 2 pcs Matched Set, 25/50 & 50/100㎖
With Optically Plane Bottom, Borosilicate Glass 3.3 **장형 비색관, 2개 매치 세트**

■ ***Made in Korea*** ■ ***with Graduation : 25/50, 50/100㎖ ; A-Class Tolerance***

〈L3〉

(1) Basic-type

		Pk.	Price, ₩
SL.Col2001	Nessler Tube, Tall, 25 / 50㎖ , Φ24×h180mm	2ea	11,700
SL.Col2002	, 50 / 100㎖, Φ30×h220mm	2ea	16,250

(2) With Joint Stopper

		Pk.	Price, ₩
SL.Col2004	Nessler Tube, Tall, 19/26 Stopper, 25/50㎖ , Φ24×h250mm	2ea	22,100
SL.Col2005	, 24/29 Stopper, 50/100㎖, Φ30×h290mm	2ea	29,250



MBL® Premium Short-form Nessler Tube, Color Comparison, 2 Pcs Matched Set, 50 & 50/100㎖
Shadow-Less Bottom, Blue Scale, **프리미엄 비색관 세트**

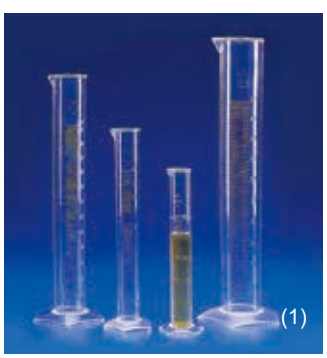
■ ***Made in UK***

〈L1〉

∗A-Class Tolerance, Free from Color or Visible Defects.

		Pk.	Price, ₩
Mb.CRC320	Nessler Tube, 2pcs Match, 50㎖ , tol. ±0.4㎖, Φ 26×h150mm	2ea	19,170
Mb.CRC322	, 50 / 100㎖, tol. ±0.8㎖, Φ 34×h180mm	2ea	28,550

, Plastic 실린더


(1)


(2)

Kartell® PMP Cylinder, Class B, Pentagon-base, 0℃~150℃, 10~2,000㎖
With Mould- & Blue Mould-Graduation, ISO/DIN, <Italy-Made> PMP **메스실린더,** B-급

■ ***High Transparency***
■ ***Chemical- and Heat-resistant : PMP > PP***

〈L1〉

(1) with Mould-Graduation, Standard-type, Pentagon-base

		Ea.	Price, ₩	Cs.	Price, ₩
KA.1570	Cylinder, PMP, 10 / 0.2㎖ , accu. ±0.2㎖ , Φ13.5×h139mm		4,430	10ea	42,820
KA.1571	, 25 / 0.5㎖ , ±0.5㎖ , Φ18.5×h195mm		6,390	30ea	185,880
KA.1572	, 50 / 1㎖ , ±1.0㎖ , Φ26×h199mm		7,150	30ea	207,890
KA.1573	, 100 / 1㎖ , ±1.0㎖ , Φ31×h249mm		8,120	30ea	235,540
KA.1574	, 250 / 2㎖ , ±2.0㎖ , Φ41.5×h315mm		13,450	12ea	156,540
KA.1575	, 500 / 5㎖ , ±5.0㎖ , Φ55×h361mm		19,120	12ea	222,330
KA.1576	, 1,000 / 10㎖, ±10.0㎖, Φ66×h438mm		29,700	6ea	172,790
KA.1577	, 2,000 / 20㎖, ±20.0㎖, Φ84×h531mm		59,970	2ea	116,300

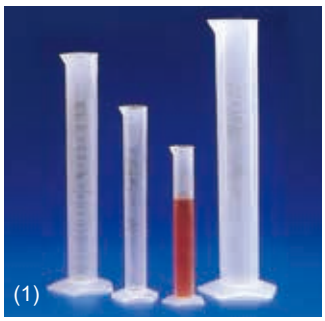
(2) with Blue Mould-Graduation, High Quality-type, Pentagon-base

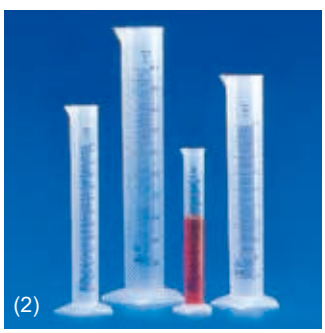
∗ The blue Graduations are Printed on the Mold Ring Scales.

		Ea.	Price, ₩	Cs.	Price, ₩
KA.2570	Cylinder, PMP, 10 / 0.2㎖ , accu. ±0.2㎖ , Φ13.5×h139mm		4,780	10ea	46,180
KA.2571	, 25 / 0.5㎖ , ±0.5㎖ , Φ18.5×h195mm		6,670	30ea	193,640
KA.2572	, 50 / 1㎖ , ±1.0㎖ , Φ26×h199mm		7,650	30ea	221,970
KA.2573	, 100 / 1㎖ , ±1.0㎖ , Φ31×h249mm		8,690	30ea	252,190
KA.2574	, 250 / 2㎖ , ±2.0㎖ , Φ41.5×h315mm		14,490	12ea	168,470
KA.2575	, 500 / 5㎖ , ±5.0㎖ , Φ55×h361mm		19,870	12ea	231,080
KA.2576	, 1,000 / 10㎖, ±10.0㎖, Φ66×h438mm		32,680	6ea	190,100
KA.2577	, 2,000 / 20㎖, ±20.0㎖, Φ84×h531mm		62,740	2ea	121,720

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description


(1)


(2)

Kartell® PP Graduated Cylinder, Class B, Pentagon-base, Autoclavable, 10~2,000㎖

With Mould- & Blue Print-Graduation, ISO/DIN, −10℃+125/140℃, <Italy-Made> PP 메스실린더, B-급

* NO-Breakage * Safety Pentagonal-Base
* Chemical · Corrosivity · Acid Resistant
* Precise Ring-Graduation and High Quality Blue Penetration Graduation

(1) with Mould-Graduation, Standard-type

<L1>

		Ea. Price, ₩	Cs.	Price, ₩
KA.1075	Cylinder, PP, 10 / 0.2㎖ , accu. ±0.2㎖ , Φ13.5×h140mm	3,620	50ea	174,570
KA.1077	, 25 / 0.5㎖ , ±0.5㎖ , Φ18×h195mm	4,400	30ea	127,740
KA.1078	, 50 / 1㎖ , ±1.0㎖ , Φ25.5×h199mm	4,580	30ea	132,990
KA.1079	, 100 / 1㎖ , ±1.0㎖ , Φ30.5×h249mm	4,750	30ea	137,750
KA.1080	, 250 / 2㎖ , ±2.0㎖ , Φ41.5×h315mm	5,640	12ea	65,490
KA.1081	, 500 / 5㎖ , ±5.0㎖ , Φ55×h361mm	10,740	12ea	124,930
KA.1082	, 1,000 / 10㎖, ±10.0㎖, Φ66×h439mm	18,440	6ea	107,320
KA.1094	, 2,000 / 20㎖, ±20.0㎖, Φ84×h531mm	35,420	6ea	206,080

(2) with Blue Mould Ring-Graduation, High Quality-type

		Ea. Price, ₩	Cs.	Price, ₩
KA.2560	Cylinder, PP, 10 / 0.2㎖ , accu. ±0.2㎖ , Φ13.5×h140mm	5,670	10ea	54,830
KA.2561	, 25 / 0.5㎖ , ±0.5㎖ , Φ18×h195mm	6,650	30ea	193,520
KA.2562	, 50 / 1㎖ , ±1.0㎖ , Φ25.5×h199mm	7,000	30ea	203,620
KA.2563	, 100 / 1㎖ , ±1.0㎖ , Φ30.5×h249mm	7,300	30ea	212,140
KA.2564	, 250 / 2㎖ , ±2.0㎖ , Φ41.5×h315mm	10,290	12ea	119,740
KA.2565	, 500 / 5㎖ , ±5.0㎖ , Φ55×h361mm	16,620	12ea	96,650
KA.2566	, 1,000 / 10㎖, ±10.0㎖, Φ66×h439mm	25,670	6ea	149,300
KA.2567	, 2,000 / 20㎖, ±20.0㎖, Φ84×h531mm	43,580	2ea	84,530


(1)



(2)

PP & SAN Short-form Cylinder Raised Mold Scale, Round-base, B-class, 10~2,000㎖

PP ; Transparent, 0℃+124/140℃ Stable, SAN ; −40℃+70℃, 단형 메스실린더, B급

(1) Kartell® PP, Good Chemical Resist, Autoclavable, <Italy-Made>

<L1>

		Ea. Price, ₩	Pk.	Price, ₩
KA.814	Cylinder, PP, 10 / 2㎖ , accu. ±0.25㎖, Φ16×h88mm	4,130	10ea	39,890
KA.815	, 25 / 5㎖ , ±1㎖ , Φ22×h107mm	4,840	10ea	46,920
KA.816	, 50 / 10㎖ , ±2.5㎖ , Φ29×h143mm	6,670	12ea	77,380
KA.817	, 100 / 25㎖ , ±5㎖ , Φ34×h178mm	7,950	8ea	61,640
KA.820	, 250 / 50㎖ , ±10㎖ , Φ45.5×h264mm	14,840	4ea	57,530
KA.821	, 500 / 100㎖ , ±10㎖ , Φ55.5×h305mm	17,950	4ea	69,570
KA.822	, 1,000 / 200㎖, ±25㎖ , Φ70×h332mm	22,840	2ea	44,280
KA.823	, 2,000 / 400㎖, ±50㎖ , Φ92×h370mm	31,490	2ea	61,050

(2) VITLAB® Crystal-Clear SAN, Non-Autoclavable, <Germany-Made> NEW

		Ea. Price, ₩	Cs.	Price, ₩
VI.640.91	Cylinder, SAN, 25 / 0.50㎖ , accu. ±0.50㎖ , Φ22×h122mm	5,050	12ea	58,740
VI.641.91	, 50 / 1.00㎖ , ±1.00㎖ , Φ27×h142mm	6,540	12ea	76,120
VI.642.91	, 100 / 2.00㎖ , ±2.00㎖ , Φ37×h163mm	7,480	12ea	86,870
VI.643.91	, 250 / 5.00㎖ , ±5.00㎖ , Φ51×h192mm	11,680	6ea	67,840
VI.644.91	, 500 / 10.00㎖ , ±10.00㎖, Φ67×h218mm	15,820	6ea	92,040
VI.645.91	, 1,000 / 20.00㎖, ±20.00㎖, Φ78×h285mm	20,920	6ea	121,620



VITLAB® PP Hydrometer Cylinder, B-class, 500㎖

With Raised Scale, Autoclavable, 125/140℃, <Germany-Made> PP 비중 실린더

* With Reservoir Beaker and Pouring Lip. Translucent Polypropylene, Autoclavable.
* for Liquid Hydrometer * with Reservoir Cover
* Ideal for Chemical / Acid / Anti-corrosive
* -10℃+140℃ Heat-resistant, PP, Autoclavable

<L1>

		Ea.	Price, ₩
VI.760.941	Hydrometer Cylinder, 500㎖, Divi.5㎖, Φ73×h351mm		46,030

Articles	Cat. No	Description





Kartell® PP & PMP Conical Measure Cylinder, Precise Graduation, 100~1,000㎖

Suitable for Precise Measuring Than Normal Beaker, <Italy-Made> **액량컵, 정밀 눈금부**

(1) PP-model, Translucent

∗ -10℃+125/140℃ Stable ∗ Autoclavable

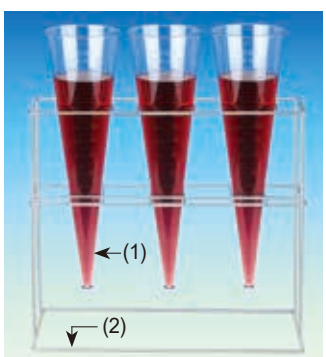
〈L1〉

		Ea.	Price,₩	Cs.	Price,₩
KA.422	Cylinder, Conical, PP, 100 / 2㎖ , h120mm		7,350	12ea	85,480
KA.423	, 250 / 5㎖ , h160mm		9,790	18ea	170,750
KA.424	, 500 / 10㎖ , h180mm		12,140	8ea	94,120
KA.425	, 1000 / 20㎖, h270mm		25,580	3ea	74,420

(2) PMP-model, Crystal Clear

∗ 0℃~180℃ Stable, Autoclavable ∗ Transparent : PMP > PP

		Ea.	Price,₩	Cs.	Price,₩
KA.1422	Cylinder, Conical, PMP, 100 / 2㎖ , h120mm		11,950	12ea	138,990
KA.1423	, 250 / 5㎖ , h160mm		17,730	18ea	309,390
KA.1424	, 500 / 10㎖ , h180mm		23,170	8ea	179,750
KA.1425	, 1000 / 20㎖, h270mm		50,690	3ea	147,500



VITLAB® SAN Crystal Clear Imhoff Sediment Cone and Stainless-steel Rack, 1,000㎖

With Bottom Outlet Plug, Precise Raised Scale, Fine-Graduated, <Germany-Made> SAN **임호프새디멘트콘, 완전투명**

■ ***Made of Styrene-Acrylonitrile(SAN) Resin ; Crystal Clear***
■ ***For Determination of Suspended Matter in Liquids : Ex. for Industrial & Municipal Wastewater.***
■ ***Fine-Graduation : ① 0~2㎖ / 0.1㎖, ② 2~10㎖ / 0.5㎖, ③ 10~40㎖ / 1㎖, ④ 40-100㎖ / 2㎖, ⑤ 100~1,000㎖ / 50㎖***
∗ Easy to Washing : Can Open Leak-Free Plug.
∗ Material : Styrene-acrylonitrile Cone, Low Density Polyethylene Plug

〈L1〉

		Ea.	Price,₩	Cs.	Price,₩
VI.759.91	(1) Plastic Imhoff Cone, 1,000㎖, Top Φ108×L451mm		49,480	3ea	143,940

(2) Stainless-steel Rack, 3- & 4- Places, <Korea-Made>

SL.Rac7091	Imhoff Cone Rack, 46×16×h42cm, 3-places		63,420		
SL.Rac7092	, 60×16×h42cm, 4-places		79,570		

, Accessories 액세서리



SciLab® 50~500㎖ Cylinder Drying Rack, 35-Holes, 235×345×h330mm

For Drying Cylinders, Stainless-steel Wire, **다용도 스텐 메스실린더 건조대**

■ ***Made in Korea***
■ ***Made of Stainless-steel Wire*** ■ ***with a Drainspout of Stainless-steel Pan / Base***
∗ Holding Capa. : (1) Φ26mm Hole×4ea for 50㎖ (2) Φ31mm Hole×16ea for 100㎖
(3) Φ47mm Hole×13ea for 250㎖ (4) Φ60mm Hole×2ea for 500㎖

〈L1〉

		Ea.	Price, ₩
SL.Rac7017	Drying Rack, for 50~500㎖ Cylinders, SS, 35-Holes, 235×345×h330mm		87,800

DURAN® Multi-use Silicone Lid, for Beakers, Cylinders, Flasks &c., 2 Colors for Identification, S · M · L · XL-size

Ideal for Sealing & Covering a Variety of Lab Containers, Autoclavable, **범용 실리콘 커버**



■ ***Supplied by DURAN® in Germany***
■ ***다양한 사이즈의 비커, 실린더, 플라스크 등의 용기류에 내용물을 편리하고, 안전하고, 위생적으로 보관하기 위한 범용 실리콘 커버***
∗ Dish washer Resistant ∗ Excellent Stretchability ∗ Reusable
∗ Please Note that Prolonged Exposure to a Solvent will Cause Swelling of the Material.
∗ XL Size is not included in Set(DU.29110001 & DU.29110002)

〈L1〉

Size	Opening Diameter (mm)	Suitable for Beaker	Pink		Blue	
			Cat. No.	Ea. Price, ₩	Cat. No.	Ea. Price, ₩
S	Φ43~61mm	50~100㎖	**DU.29110111**	4,890	**DU.29110112**	4,890
M	Φ64~76mm	150~250㎖	**DU.29110211**	6,420	**DU.29110212**	6,420
L	Φ84~116mm	400~600㎖	**DU.29110311**	8,050	**DU.29110312**	8,050
XL	Φ102~116mm	800~1000㎖	**DU.29110411** NEW	11,530	**DU.29110412** NEW	11,530
Set (S / M / L)			**DU.29110001**	17,220	**DU.29110002**	17,220

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description

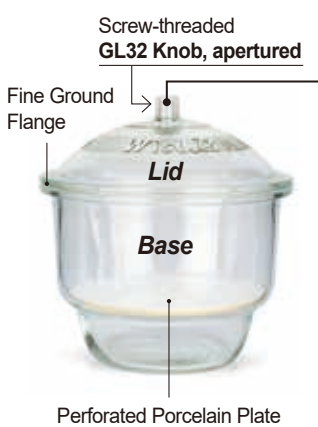
Wisd™ Functional Glass Desiccator Set for General-purpose and Vacuum-use, with Compatible Lid & Plate, id.Φ150~Φ300mm

With or Without Interchangeable PTFE Needle-valve Stopcock, Clear & Amber, 기능성 유리 데시케이터 세트, 일반용 & 진공용 호환, 투명 & 갈색

■ *Made in Korea.* ■ *일반용 & 진공용이 뚜껑 손잡이 Screwcap과 진공용 콕크 세트만의 교환으로 상호 호환됨.* ■ *Borosilicate Glass α5.3, Autoclavable*

■ *Excellent Compatibility in General-purpose & Vacuum-use;*
Interchangeable GL32 Handling Screwcap or Vacuum Stopcock Kit on GL32 Screw-threaded Knob(Apertured) of Lid.

■ *Desiccator Size; Flange ID. Φ150 · 210 · 250 · 300mm* ∗ Height "H" of Vacuum Desiccator; Exception of Stopcock Height.



Ⅰ. For General-Purpose;

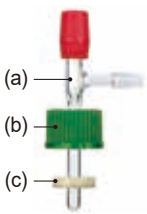


GL32 Solid-top Uni-Screwcap, PP
with PTFE/Butylrubber Septa (DH.Cap3104)



Ⅰ. General-purpose Set

Ⅱ. For Vacuum-Use;



Vacuum Stopcock Kit
(a) PTFE Needle-valve Vacuum Stopcock (DH.Sto2001)
(b) GL32 Open-top Screwcap, PP (DH.Cap3124)
(c) PTFE/Silicone O-Ring Washer/Seal
for GL32 (DU.2923612)



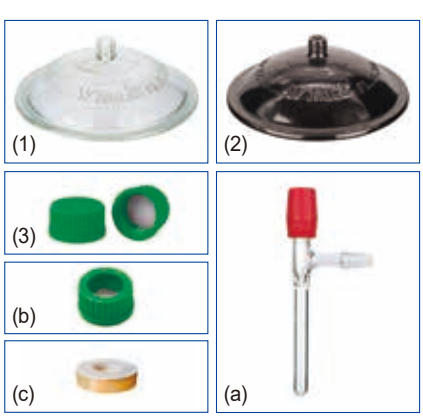
Ⅱ. Vacuum-use Set



Ⅰ. General-purpose Desiccator Set



Ⅱ. Vacuum Desiccator Set



Ⅰ. General-purpose Desiccator Set, 일반용 데시케이터 세트, 핸들캡 & 중판포함.

〈L1〉

1. Clear-glass 투명

		Pk.	Price, ₩
DH.Des1001	Desiccator-set, Clear, Flange ID-Φ150, H230, plate-Φ130~140mm	1set	131,640
DH.Des1002	-Φ210, H280, -Φ185~200mm	1set	172,790
DH.Des1003	-Φ250, H310, -Φ215~230mm	1set	214,780
DH.Des1004	-Φ300, H335, -Φ260~285mm	1set	269,150

2. Amber-glass 갈색

		Pk.	Price, ₩
DH.Des1006	Desiccator-set, Amber, Flange ID-Φ150, H230, plate-Φ130~140mm	1set	175,990
DH.Des1007	-Φ210, H280, -Φ185~200mm	1set	223,970
DH.Des1008	-Φ250, H310, -Φ215~230mm	1set	272,830
DH.Des1009	-Φ300, H335, -Φ260~285mm	1set	334,850

Ⅱ. Vacuum Desiccator Set, 진공용 데시케이터 세트, 진공 코크세트 & 중판포함.

3. Clear-glass 투명

		Pk.	Price, ₩
DH.Des1011	Desiccator-set, Clear, Flange ID-Φ150, H230, plate-Φ130~140mm	1set	233,780
DH.Des1012	-Φ210, H280, -Φ185~200mm	1set	256,250
DH.Des1013	-Φ250, H310, -Φ215~230mm	1set	300,870
DH.Des1014	-Φ300, H335, -Φ260~285mm	1set	358,640

4. Amber-glass 갈색

		Pk.	Price, ₩
DH.Des1016	Desiccator-set, Amber, Flange ID-Φ150, H230, plate-Φ130~140mm	1set	248,650
DH.Des1017	-Φ210, H280, -Φ185~200mm	1set	296,630
DH.Des1018	-Φ250, H310, -Φ215~230mm	1set	345,490
DH.Des1019	-Φ300, H335, -Φ260~285mm	1set	407,520

Ⅲ. Spare Accessory

		Ea.	Price, ₩
DH.Des1031	(1) Desiccator Lid, Clear, GL32 Threaded, Flange ID-Φ150mm		38,250
DH.Des1032	-Φ210mm		51,000
DH.Des1033	-Φ250mm		63,750
DH.Des1034	-Φ300mm		79,690
DH.Des1036	(2) Desiccator Lid, Amber, GL32 Threaded, Flange ID-Φ150mm		49,090
DH.Des1037	-Φ210mm		63,120
DH.Des1038	-Φ250mm		77,140
DH.Des1039	-Φ300mm		94,350
DH.Cap3104	(3) GL32 Solid-top Uni-Screwcap, PP, with PTFE / Butylrubber Septa	10ea	27,580
DH.Sto2001	(a) DURAN® Vacuum Stopcock with PTFE Needle Valve, Bore 2.5mm		57,490
DH.Cap3124	(b) GL32 Open-top Screwcap, PP, Bore 20mm	10ea	5,100
DU.2923612	(c) DURAN® PTFE / Silicone O-Ring Washer for GL32 (DU.2923612)		15,840

▸ Plate & Desiccant; See The "Desiccator, Desicaants" Section!

Articles	Cat. No	Description



DURAN® Premium General Purpose Desiccator with Knobbed Lid, 100-~300-type
Without Plate, Boro-glass 3.3, 일반 데시케이터, 중판 별도

■ ***Supplied by DURAN® in Germany***

∗ Lid with Glass Handle ∗ Plate should be ordered Separately.

〈L1〉

Cat. No	Description	Pk.	Price, ₩
DU.2478146	Desiccator, 100-type, Flange-id Φ119, h187, Usable Plate-od Φ90mm	1ea	315,700
DU.2478157	, 150-type, -id Φ172, h252, -od Φ140mm	1ea	355,500
DU.2478161	, 200-type, -id Φ224, h309, -od Φ190mm	1ea	449,900
DU.2478166	, 250-type, -id Φ274, h357, -od Φ235mm	1ea	488,170
DU.2478169	, 300-type, -id Φ332, h433, -od Φ285mm	1ea	673,870



DURAN® Premium MOBILEX® Vacuum Desiccator, Boro-Glass 3.3, 150-~300-type
With Safety PTFE Screw Needle Valve/Cock & Screw Capped Lid, 고진공 데시케이터, 중판 별도

■ ***Supplied by DURAN® in Germany***

∗ GL32 Closed top Screwcap and GL32 Screw Needle Valve are attached on a Lid and at Side of the Desiccator Base and can alternate with each other.

∗ Screwcap and Screw Needle Valve are 200℃ Heat-resistant. ∗ The Plate ; Option

〈L1〉

Cat. No	Description	Ea.	Price, ₩
DU.2478557	Desiccator, Screw cock, 150-type, Flange-id Φ172, h239, Usable Plate-od Φ140mm		620,820
DU.2478561	, 200-type, -id Φ224, h296, -od Φ190mm		700,390
DU.2478566	, 250-type, -id Φ272, h344, -od Φ235mm		793,200
DU.2478569	, 300-type, -id Φ332, h420, -od Φ285mm		978,920

Spare DURAN® Glass Desiccator Lid & Stopcock, Fit to All DURAN® Desiccators, for 150-~300-type

(1) For General Purpose Desiccators

〈L1〉



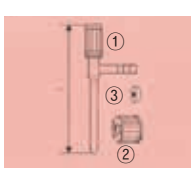
Cat. No	Description	Ea. Price,₩
DU.2441057	Lid, General, for 150-type	167,140
DU.2441061	, for 200-type	179,050
DU.2441066	, for 250-type	216,240
DU.2441069	, for 300-type	259,950

(2) For MOBILEX® Vacu. Desiccators, GL32-Screw



Cat. No	Description	Ea. Price,₩
SM.2444057	Lid, MOBIL®, for 150-type	174,650
SM.2444061	, for 200-type	187,140
SM.2444066	, for 250-type	208,340
SM.2444069	, for 300-type	260,440

(3) Spare Stopcocks



Cat. No	Description	Ea. Price,₩
SM.2479703	① MOBIL® Stopcock	78,920
DU.2922708	② MOBIL® GL32 Opencap	4,170
DU.2923612	③ MOBIL® Seal-O-Ring	15,840



Hi-Vacuum Desiccator Set, PP/PC & All Clear PC, id Φ145~Φ300mm
With PP Plate & PP Stopcock · Silicone O-Ring, 진공 데시케이터, 중판포함

∗ Interchangeable PP Vacuum Stopcock with PTFE-Plug & Silicone O-Ring. ∗ Stopcock OD: 7~8mm

∗ Up to 740mm Hg ∗ PC ; Clear Polycarbonate ∗ Autoclavable

(1) PP/PC Hi-Vacuum Desiccator Set, Clear PC Lid, 상부만 투명

∗ Base ; Opaque Polypropylene ∗ Lid ; Transparent Polycarbonate

〈L1〉

Cat. No	Description	Ea.	Price, ₩
SL.Des3016	Desiccator, Vacuum, PP/PC, Flange-od 171×id Φ150mm, plate-Φ140mm		91,140
SL.Des3017	-od 232×id Φ200mm, -Φ190mm		138,770
SL.Des3018	-od 276×id Φ250mm, -Φ230mm		161,550
SL.Des3019	-od 340×id Φ300mm, -Φ295mm		243,140



(2) All Clear PC Hi-Vacuum Desiccator Set, 전체 투명

■ ***All Transparent Polycarbonate - Base & Lid***

Cat. No	Description	Set.	Price, ₩
DH.Des3001	Desiccator, Vacu., PC/PC, Flange-od 170×h 210mm, id Φ145mm, plate-Φ135mm		87,690
DH.Des3002	-od 230×h 270mm, id Φ195mm, -Φ185mm		134,490
DH.Des3004	-od 275×h 330mm, id Φ240mm, -Φ230mm		172,470
DH.Des3005	-od 338×h 410mm, id Φ300mm, -Φ290mm		249,950

(3) Spare ; Stopcock & O-Ring



Cat. No	Description	Ea.	Price, ₩
DH.Des3011	Stopcock, for Vacuum Desiccators		30,580
DH.Des3013	O-Ring, Silicone, for All Clear Vacuum Desiccators, plate-Φ135mm		6,790
DH.Des3014	-Φ185mm		9,030
DH.Des3015	-Φ230mm		11,390
DH.Des3016	-Φ290mm		13,570

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



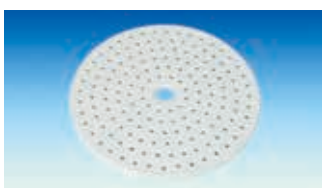
General Purpose Desiccator, PP/PC, Autoclavable, id Φ150~Φ300mm
With PP Plate · Silicone O-ring · Clear PC Lid, PP/PC **데시케이터, 중판포함**

■ ***Supplied by DAIHAN Korea***

∗ PP(Polypropylene) Lower Parts & Perforated PP Plate : Can be filled with Desiccants and Dried
∗ Clean PC(Polycarbonate) Lid : Sealed with a Silicone Rubber O-ring

〈L1〉

		Ea.	Price, ₩
SL.Des3011	Desiccator, PP/PC, Flange-od 171×id Φ150mm, plate-Φ140mm		57,680
SL.Des3012	-od 232×id Φ200mm, -Φ190mm		102,140
SL.Des3013	-od 276×id Φ250mm, -Φ230mm		134,770
SL.Des3014	-od 340×id Φ300mm, -Φ295mm		212,900



Perforated Porcelain Plate

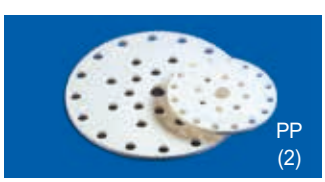
Premium Desiccator Plate of Glazed Porcelain, up to 1000℃, Φ90~290 mm
Numerous Perforated Plates, Φ23mm Center Hole & 5mm Holes, **데시케이터용 고급 자제 중판**

〈L1〉

		Pk.	Price, ₩
SC.DP90	Desiccator Plate, od Φ90mm , for 100-type Desiccator	1ea	11,270
SC.DP140	, od Φ140mm, for 150-type Desiccator	1ea	20,490
SC.DP190	, od Φ190mm, for 200-type Desiccator	1ea	22,850
SC.DP230.5	, od Φ230mm, for 250-type Desiccator	1ea	26,830
SC.DP240	, od Φ240mm, for 250-type Desiccator	1ea	27,370
SC.DP290	, od Φ290mm, for 300-type Desiccator	1ea	35,720



SS (1)



PP (2)

Desiccator Plate, PP & Stainless-steel, Perforated, Fine-finished, for 100-~300-type Desiccators

〈L1〉

(1) DURAN® Stainless-steel Plate, 500℃, <Germany-Made>

		Ea.	Price, ₩
DU.2908046	Desiccator Plate, Stainless-steel, od Φ90mm , for 100-type Desiccator		16,570
DU.2908057	, od Φ140mm, for 150-type Desiccator		24,770
DU.2908061	, od Φ190mm, for 200-type Desiccator		33,390
DU.2908066	, od Φ235mm, for 250-type Desiccator		42,550
DU.2908069	, od Φ280mm, for 300-type Desiccator		51,180

(2) Kartell® Polypropylene Plate, 140℃, <Italy-Made>

		Ea. Price,₩	Pk.	Price, ₩
KA.551	Desiccator Plate, PP, od Φ140mm, for 150-type Desiccator	11,240	10ea	108,800
KA.231	, od Φ190mm, for 200-type Desiccator	15,900	10ea	154,030
KA.553	, od Φ238mm, for 250-type Desiccator	16,940	10ea	164,090



Blue Silica-gel, 0.5 & 1 kg

Desiccant Indicating-type Blue Silica-gel, Reagent-grade CP, Reusable, 5~10mesh, 0.5 & 1kg
Good for Desiccant-use of Foodstuff · Medical Supplies &c., Non-toxic, Odorless, **청색 실리카겔 건조제**

■ ***When Absorption of Moisture the Color Changing Blue → White***
■ ***Reusable : Revivified to Blue By the Drying of the White Silicagel***

∗ Environment-Friendly ∗ Insoluble in Water.
∗ Excellent Chemical Resistance ∗ CP : Chemical Pure

〈L3〉

		Pk.	Price, ₩	Cs.	Price, ₩
DJ.7510.1405	Silica Gel, Blue, CP, 5~10mesh, 500g/PP Bottle	500g	8,780	20pk	
DJ.7510.1400	, 1kg/PP Bottle	1kg	16,200	10pk	



(1) 20g White Silica-gel (2) 500g White Silica-gel

Desiccant Non-Indicating-type White Silica-gel, 20g & 500g
Ideal for drying agent of Foodstuff · Medical Supplies &c., **백색 실리카겔 건조제**

∗ Environment-Friendly ∗ Insoluble in Water. ∗ Excellent Chemical Resistance

〈L3〉

(1) 20g, Silica-Gel, Breathable Non-woven Fabric Packing

		Pk.	Price, ₩	Cs.	Price, ₩
S19.320	Silica-Gel, Non-woven Fabric, 70×85mm, 20g	10ea	1,680	100pk	154,380

(2) 500g, Silica-Gel, PE Bottle Packing, 5~10mesh

		Pk.	Price, ₩
DJ.7513.1405	Silica-Gel, White, CP, 5~10mesh, 500g/PE Bottle	500g	7,430

Articles	Cat. No	Description

2-Year Warranty



(1) Short-model (2) Tall-model

With Digital Thermo-Hygrometer



(3) With Digital Thermo-Hygrometer

(4) With Urea Tray ; for Desiccant

DAIHAN® 33Lit General Purpose PMMA Desiccator, Short- & Tall-form
With Digital Thermo-Hygrometer · ABS Frame · Shelf · Desiccant Tray, 범용 PMMA 데시케이터

■ ***Supplied by DAIHAN Korea***

■ ***Excellent Viewing & Air Tight Structure ; Heavy-duty ABS(Acrylonitrile Butadiene Styrene Resin) Frame, 3mm Clear PMMA(Polymethyl Methacrylate Resin) Body Panel & 5mm Shelf, and Rubber Sealing Door.***

∗ Adjustable Shelf Quantity & Height / Distance.
∗ 2kg Shelf Load. ∗ 30mm Shelf Moving Interval.
∗ Including 1 Urea Tray 190×273mm for Silica-gel / Desiccant.

※ 운임 별도 〈L2〉

(1) 33Lit Short-model "DeLL", 1-PMMA Shelf, with Digi. Thermo-Hygrometer

		Ea. Price, ₩
DH.DeLL	General Desiccator, Short-model, 33Lit, "DeLL" Outer : 450×330×h350mm, Inner : 400×305×h270mm	390,000

(2) 33Lit Tall-model "DeLH", 3-PMMA Shelf, with Digi. Thermo-Hygrometer

		Ea. Price, ₩
DH.DeLH	General Desiccator, Tall-model, 33Lit, "DeLH" Outer : 330×330×h480mm, Inner : 270×305×h400mm	390,000
DH.DeSH003	**Spare,** PMMA Shelf, for Short-model, 397×302×thick 5mm, Load 2kg	36,250
DH.DeSH002	, for Tall-model, 267×302×thick 4mm, Load 2kg	36,250
DH.DeDHY	, (3) Digital Thermo-Hygrometer, DC, 1~99℃, 11%~99%RH	21,750
DH.DeSH006	, (4) Urea Tray for Desiccant 273×190mm	18,130

2-Year Warranty



(1) Bench-model



(2) Floor-model

With Digital Thermo-Hygrometer & Gas Valve

2-Year Warranty



(3) 320Lit 1Room-2Door (4) 640Lit 1Room-4Door (5) 604Lit 4Room-4Door

With Digital Thermo-Hygrometer & Gas Valve



(6) With Digital Thermo-Hygrometer

(7) With Urea Tray ; for Desiccant

DAIHAN® 164 · 207 · 320 · 640 · 604Lit Gas Exchangeable PMMA Desiccator, 1 & 4 Room
With Digital Thermo-Hygrometer · Gas Valve · Stainless-steel Shelf, 가스치환 데시케이터

■ ***Supplied by DAIHAN Korea***

■ ***Excellent Viewing & Air Tight Structure ; Heavy-duty Aluminium Frame, 5mm Clear PMMA(Polymethyl Methacrylate Resin) Body Panel, Stainless-steel Shelf, Caster, and Rubber Sealing Door.***

∗ Ideal for Sample Storage / precise Instrument / Semiconductive Articles / Low Humidity, Characterization Test, etc.
∗ 20kg Shelf Load. ∗ 50mm Shelf Moving Interval. ∗ Gas Exchane Valve; Φ6mm, One-touch fitting.
∗ Adjustable Shelf Quantity & Height / Distance.
∗ With Gas Valve / Gas Exchange / Stainless-steel Shelf / 1 Urea Tray 345×440mm for Desiccant / 1Digital Thermo-Hygrometer(But 4ea in 604Lit 4Room)

※ 운임 별도 〈L2〉

(1) 164Lit Bench Model "DeBG2", 1Room - 1Door, 2Shelf, 2Gas Valve

		Ea. Price, ₩
DH.DeBG2	164Lit Desiccator, Gas-Ex. "DeBG2", 1Room, 2Shelf Outer : 574×535×h765mm, Inner : 490×460×h730mm Including 2 Shelf, 1 Silica gel Tray, and 2 Gas Valve	998,000

(2) 207Lit Floor Model "DeBG1K", 1Room - 2Door, 4Shelf, 2Gas Valve, Caster

		Ea. Price, ₩
DH.DeBG1K	207Lit Desiccator, Gas-Ex. "DeBG1K", 1Room - 2Door, 4Shelf Outer : 574×535×h1070mm, Inner : 490×460×h920mm Including 4 Shelf, 1 Silica gel Tray, and 2 Gas Valve	1,360,000

(3) 320Lit Model "DeSS", 1Room - 2Door, 4Shelf, 2Gas Valve, Caster

		Ea. Price, ₩
DH.DeSS	320Lit Desiccator, Gas-Ex. "DeSS", 1Room - 2Door Outer : 574×535×h1770mm, Inner : 490×460×h1420mm Including 4 Shelf, 1 Silica gel Tray, and 2 Gas Valve	1,994,000

(4) 640Lit Model "DeWS", 1Room - 4Door, 8Shelf, 2Gas Valve, Caster

		Ea. Price, ₩
DH.DeWS	640Lit Desiccator, Gas-Ex. "DeWS", 1Room - 4Door Outer : 1164×535×h1770mm, Inner : 980×460×h1420mm Including 8 Shelf, 2 Silica gel Tray, and 2 Gas Valve	3,625,000

(5) 604Lit Model "DeW4S", 4Room - 4Door, 8Shelf, 8Gas Valve, Caster

		Ea. Price, ₩
DH.DeW4S	604Lit Desiccator, Gas-Ex. "DeW4S", 4Room - 4Door Outer : 1164×535×h1770mm, Inner : 490×460×h670mm, 4Room Including 8 Shelf, 4 Silica gel Tray, and 8 Gas Valve	4,532,000

Spare Accessory

		Ea. Price, ₩
DH.DeSH001	**Spare,** Stainless-steel Shelf, 20kg Load, 490×460mm	99,690
DH.DeDHY	, (6) Digital Thermo-Hygrometer, DC, 1~99℃, 11%~99%RH	21,750
DH.DeSH005	, (7) Urea Tray for Desiccant 440×345mm	23,570

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description

2-Year Warranty



(1) Short Auto-Dry



(2) Tall Auto-Dry



(3) With Dehumidifier Unit



(4) With Digital Thermo-Hygrometer

DAIHAN® 33Lit Auto-Dry PMMA Desiccator, Short- & Tall-form, Dehumidifier ~25%RH With ABS Frame · Digital Thermo-Hygrometer, 자동 습도 조절 데시케이터

■ ***Supplied by DAIHAN Korea***

■ ***Excellent Viewing & Air Tight Structure ; Heavy-duty ABS(Acrylonitrile Butadiene Styrene Resin) Frame, 3mm Clear PMMA(Polymethyl Methacrylate Resin) Body Panel & 5mm Shelf, and Rubber Sealing Door.***

∗ Adjustable Shelf Quantity & Height / Distance.
∗ 2kg Shelf Load. ∗ 30mm Shelf Moving Interval.
∗ Built-In Analog Dehumidifier Unit ; Repeated Regeneration of Solid Silica Gel Improves Dehumidification Capacity.
∗ Power Supply : 220V, 50/60Hz, 3Watts.

※ 운임 별도 〈L2〉

(1) 33Lit Auto-Dry Short-model "DeADLL", 1-PMMA Shelf

		Ea. Price, ₩
DH.DeADLL	Auto-Dry Desiccator, Short-model, 33Lit, "DeADLL" Outer : 450×330×h350mm, Inner : 400×305×h270mm	635,000

(2) 33Lit Auto-Dry Tall-model "DeADLH", 3-PMMA Shelf

		Ea. Price, ₩
DH.DeADLH	Auto-Dry Desiccator, Tall-model, 33Lit, "DeADLH" Outer : 330×330×h480mm, Inner : 270×305×h400mm	635,000
DH.DeSH003	**Spare,** PMMA Shelf, for Short-model, 2kg Load, 397×302×thick 5mm	36,250
DH.DeSH002	, for Tall-model , 2kg Load, 267×302×thick 4mm	36,250
DH.DeHY	, (3) Analog Dehumidifier Unit ; ~25%RH ; User Installable!	273,000
DH.DeDHY	, (4) Digital Thermo-Hygrometer, DC, 1~99℃, 11%~99%RH	21,750

2-Year Warranty



Analog Control or Digital Display

(2) 320Lit 1Room-2Door (3) 604Lit 1Room-4Door



With Analog Controlled Dehumidification Unit



(7) With Digital Thermo-Hygrometer

DAIHAN® 207 · 320 · 604Lit Auto-Dry PMMA Desiccator, Analog or Digital-Control, 15~60%RH With Dehumidifier · Digital ℃ · %RH Meter · Al-Frame · 1Room, 자동 제습 데시케이터

■ ***Supplied by DAIHAN Korea***

■ ***Excellent Auto-Dry / Viewing / Air Tight Structure ; Built-In Dehumidifier 15%~60%RH in Digital Control, Heavy-duty Aluminium Frame, 5mm Clear PMMA Body Panel, Stainless-steel Shelf 20kg Load, Caster, and Rubber Sealing Door.***

∗ Analog or Digital Controlled Dehumidifier Unit ; Repeated Regeneration of Solid Silica Gel Improves Dehumidification Capacity. ∗ Included 1-Dehumidifier.
∗ Ideal for Sample Storage / precise Instrument / Semiconductive Articles / Low Humidity, Characterization Test, etc.
∗ 20kg Shelf Load. ∗ Including 4 Stainless-steel Shelf.
∗ Adjustable Shelf Quantity & Height / Distance.
∗ Display : Digital Thermo-Hygrometer ; 1~99℃, 11%~99%RH
∗ Power Supply : 220V, 50/60Hz

1) 3 Step(12~60%RH) Analog Controlled, 207 · 320 · 604 Lit

※ 운임 별도 〈L2〉

∗ 3 Step Analog Control : 1 Step. 12~20%RH, 2 Step. 20~40%RH, 3 Step. 40~60%RH

		Ea. Price, ₩
DH.DeADABG1K	(1) 207Lit Analog Auto-Dry Desiccator "DeADABG1K" 1Room - 1Door, 4Shelf Outer : 574×535×h1070mm, Inner : 490×460×h920mm	1,994,000
DH.DeADASS	(2) 320Lit Analog Auto-Dry Desiccator "DeADASS" 1Room - 2Door, 4Shelf Outer : 574×535×h1770mm, Inner : 490×460×h1420mm	2,719,000
DH.DeADAWS	(3) 604Lit Analog Auto-Dry Desiccator "DeADAWS" 1Room - 4Door, 8Shelf Outer : 1154×535×h1770mm, Inner : 980×460×h1420mm	4,350,000

2) 15~60%RH Digital Hygro-Controlled, 207 · 320 · 604 Lit

		Ea. Price, ₩
DH.DeADDBG1K	(4) 207Lit Digi-Control Auto-Dry Desiccator "DeADDBG1K" 1Room - 1Door, 4Shelf Outer : 574×535×h1070mm, Inner : 490×460×h920mm	2,448,000
DH.DeADDSS	(5) 320Lit Digi-Control Auto-Dry Desiccator "DeADDSS" 1Room - 2Door, 4Shelf Outer : 574×535×h1770mm, Inner : 490×460×h1420m	3,263,000
DH.DeADDWS	(6) 604Lit Digi-Control Auto-Dry Desiccator "DeADDWS" 1Room - 4Door, 8Shelf Outer : 1154×535×h1770mm, Inner : 980×460×h1420mm	4,804,000
DH.DeSH001	**Spare,** Stainless-steel Shelf, 20kg Load, 490×460mm	99,690
DH.DeDHY	, (7) Digital Thermo-Hygrometer, DC, 1~99℃, 11%~99%RH for (1) "DeADABG1K", (2) "DeADASS", (3)"DeADAWS"	21,750

2-Year Warranty



Fully Digital Control

(6) 604 Lit, 1Room-4Door



With Digital Controlled Dehumidification Unit



With Digital Thermo Hygrometer

Articles	Cat. No	Description

2-Year Warranty



(1) Short Auto-Dry



(2) Tall Auto-Dry



(3) With Dehumidifier Unit



(4) With Digital Thermo-Hygrometer

DAIHAN® 33Lit UV Protected Auto-Dry PMMA Desiccator, Short- & Tall-model, ~25%RH
With Dehumidifier · Digital Thermo-Hygrometer · ABS Frame, UV차단 자동 습도 조절 데시케이터

- ***Supplied by DAIHAN Korea***
- ***Good Viewing / Excellent Auto-Dry / Air Tight Structure ; Heavy-duty ABS Frame, 3mm Transparent Amber PMMA Body Panel & 5mm Shelf, ~25% Dehumidifier Unit, and Rubber Sealing Door.***
- ***Made of Transparent Amber PMMA Panel ; 520nm (or Less) UV Protection.*** ∗ 2kg Shelf Load.

∗ Analog Controlled Dehumidifier Unit ; Repeated Regeneration of Solid Silica Gel Improves Dehumidification Capacity.
∗ Adjustable Shelf Quantity & Height / Distance. ∗ Power Supply : 220V, 50/60Hz, 3Watts.

※ 운임 별도 〈L2〉

(1) 33Lit Short-model "DeADLL.UV", UV Protect Auto-Dry, 1-PMMA Shelf

		Ea. Price, ₩
DH.DeADLL.UV	UV Protect Auto-Dry Desiccator "DeADLL.UV", Short-model, 33Lit Outer : 450×330×h350mm, Inner : 400×305×h270mm	853,000

(2) 33Lit Tall-model "DeADLH.UV", UV Protect Auto-Dry, 3-PMMA Shelf

		Ea. Price, ₩
DH.DeADLH.UV	UV Protect Auto-Dry Desiccator "DeADLH.UV", Tall-model, 33Lit Outer : 330×330×h480mm, Inner : 270×305×h400mm	853,000
DH.DeSH003	**Spare,** PMMA Shelf, for Short-model, 2kg Load, 397×302×thick 5mm	36,250
DH.DeSH002	, for Tall-model , 2kg Load, 267×302×thick 4mm	36,250
DH.DeHY	, (3) Analog Dehumidifier Unit ; ~25%RH	273,000
DH.DeDHY	, (4) Digital Thermo-Hygrometer, DC, 1~99℃, 11%~99%RH	21,750

2-Year Warranty



(1) 7Lit



(2) 9.2Lit

1) Upper Door Model



(3) 12Lit



(4) 30Lit

2) Front Door Model



(5) 48Lit

2) Front Door Model



Option : Gas Flowmeter



Spare Digital Thermo-Hygrometer

DAIHAN® 7~48Lit Vacuum PMMA Desiccator, Clear, with Press-Gauge
With Digital Thermo-Hygrometer, Approx - 1 Torr/133Pa, 진공 데시케이터

- ***Supplied by DAIHAN Korea*** ■ ***Permissible Degree of Vacuum ; Approx -1 Torr / 133Pa***
- ***With 20~30mm Clear PMMA Panel, 2 Vacuum Valve, 1 Vacuum Gauge, Silicone & Rubber Sealing Door, Shelf, and 1 Desiccant Tray(270×144×h16mm for 7 / 9.2 / 12 Lit)***

∗ Two Vacuum Valve Φ8mm ∗ 1 Pressure Dial Gauge ; 0Bar~1Bar±1.5%

※ 운임 별도 〈L2〉

1) 7 & 9.2Lit Upper Door, Short-form, 20mm PMMA Panel

		Ea. Price, ₩
DH.DeVS	(1) 7Lit Vacu. Desiccator "DeVS", 1Shelf, 1Tray Outer : 300×300×h170mm, Inner : 260×260×h100mm	979,000
DH.DeVM	(2) 9.2Lit Vacu. Desiccator "DeVM", 1Shelf, 1Tray Outer : 260×260×h360mm, Inner : 210×210×h210mm	998,000

2) 12 · 30 · 48Lit Front Door, Tall-form, 20~30mm PMMA Panel

		Ea. Price, ₩
DH.DeVL	(3) 12Lit Vacu. Desiccator "DeVL", 20mm Panel, 2Shelf, 1Tray Outer : 310×225×h430mm, Inner : 260×180×h260mm	1,305,000
DH.DeVLH	(4) 30Lit Vacu. Desiccator "DeVLH", 25mm Panel, 4Shelf, 1Tray(190×273×h18mm) Outer : 320×335×h600mm, Inner : 260×280×h410mm	2,175,000
DH.DeVW	(5) 48Lit Vacu. Desiccator "DeVW", 30mm Panel 3Shelf, 1Tray(313×230×h20mm) Outer : 470×365×h600mm, Inner : 400×300×h400mm	3,082,000

Optional Gas Flowmeter, for Gas-Ex. Desiccator, 10ℓ/min

		Ea. Price, ₩
DH.DeFL	Gas Flowmeter, with Bracket & 2 Fitting for Φ6mm Tube, 70×L170mm	149,000

Spare Digital Thermo-Hygrometer

		Ea. Price, ₩
DH.DeDHY	Built in Digital Thermo-Hygrometer, DC, 1~99℃, 11~99%RH	21,750

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



(1) COVID-19 Ag, 코로나 항원 검사



(2) COVID-19 IgG/IgM, 코로나 항체 검사



(3) COVID-19 홈테스트 자가 검사

Humasis™ COVID-19 Test Kit, Self Diagnosis Through Nasopharyngeal Swab, *Medicaluse*
Available Check within 15 min, <Korea-Made> 코로나19 진단 테스트 키트

- ***식품의약안전처(MFDS:Ministry of Food and Drug Safety) 내수용 허가 승인 완료***
- ***감염 초기 환자를 위한 높은 민감도***
- ***신속, 간편 조작법으로 대단위 검사에 적합***
- ***코로나 변이바이러스 검출 가능(Biosafety Level 3 시험 입증)***
- ***독성검사 적합 스왑 포함***

* MFDS approved for domestic use * High sensitivity for early stages of infection * 99% accuracy
* 항원 검사 : 체내에 침입한 물질 감염 반응 확인, 항체 검사 : 감염 이후 체내 면역 생성 결과
* 홈테스트 구성품 : 테스트기, 멸균면봉, 추출액 튜브, 필터캡, 사용설명서, 폐기물봉투

(1),(3) 항원 Test, 비인두 검체

검체가 묻은 멸균면봉을 튜브에 넣어 용액과 섞은 후 점적부위에 떨어뜨림



(2) 항체 Test, 혈청 검체

검체 10uL 채취 후 점적부위에 떨어뜨린 다음 즉시 동봉된 검체희석액 2~3방울 떨어뜨림



Ordering information

<M4>

Cat. No.	모델명	검체	Pk.	Price, ₩
HM.COVID19.Ag	(1) COVID-19 Ag Test, 코로나 항원 검사, 전문가용	비인두	25ea	57,000
HM.COVID19.IgG/IgM	(2) COVID-19 IgG/IgM Test, 코로나 항체 검사, 전문가용	혈청	25ea	115,000
HM.COVID19.Home	(3) COVID-19 Home Test, 항원 자가 검사, 일반용	비인두	2ea	15,000



Influenza A/B Antigen Test Kit

Humasis™ Influenza A/B Ag Testing Kit, Rapid One-step Self Test, *Medicaluse*
With Result Display for Sample, <Korea-Made> 인플루엔자 진단, 키트형

* Diagnosis of Influenza Infection * 8분 이내에 PCR검사에 준하는 A/B형 항원진단

<M4>

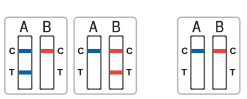
Cat. No.	타입	검출감도	사용검체	사용기간	Pk.	Price, ₩
HM.InfluenzaA/B.Ag	A형(신종플루 H1N1, H3N2) B형 항원진단	NA	비인두 (Nasopharyngeal)	24개월	25ea	125,000

Test Procedure

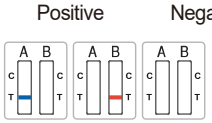


Sample Collection → Dispensing (6 drops) → Read Results

Interpretation of Results



Positive Negative



Invalid



Conway Dish Set, with a Partitioned Ring Chamber, Lid, and Chip, od Φ83mm With 2 Chambers of Φ60×h9 and Center Φ35×h4mm, 콘웨이 디쉬 세트

■ ***Supplied by DAIHAN Korea*** ■ ***Soda-lime Glass***

∗ Viewing the Diffusion and the Reaction of Samples
∗ Using to Obtain the Water Activity

〈L1〉

		Ea.	Price, ₩
SL.Di1101	Conway Dish Set, Chamber Φ60×h9 / Φ35×h4mm		45,000



Conway Diffusion Cell Dish Set, with Ring Chamber, Lid, and Chip, od Φ83mm With 2 Chambers of Φ60×h10 and Center Φ35×h7mm, 콘웨이 디퓨전 디쉬 세트

■ ***Supplied by DAIHAN Korea*** ■ ***Soda-lime Glass***

∗ Assay CO_2, Ammonia or Alcohol levels in Blood or Serum using the Diffusion Method.
∗ with 2 Chambers of 60×h10 and Center Φ35×h7mm

〈L1〉

		Ea.	Price, ₩
SL.Di1102	Conway Diffusion Cell Set, Chamber Φ60×h10 / Φ35×h7mm		50,630







mediclin® Sterile Confocal Culture Dish, Dish od Φ35mm, Glass Pore Bottom Φ15 & Φ20mm With Medical Grade Shadowless Glue, 콘포칼 컬처 디쉬

■ ***Supplied by DAIHAN Korea*** ■ ***Borosilicate Glass Bottom is Flat with High Purity ; Thickness is Uniform***
■ ***Ideal for Use in Fluorescent Microscope Experiments, Conforcal Microscopy and Phase-contrast Microscopic Experiments***
■ ***디쉬 표면이 매끄럽고 줄무늬가 없어 사용가능 면적을 극대화시킴***

∗ Glass Bottom Thickness : 0.13~0.16mm(Φ15mm), 0.16~0.19mm(Φ20mm)
∗ Dish Size od Φ35×h11.6mm ∗ Sterilized by Gamma Irradiation ∗ Special Bottom Design for Easy Grip
∗ Suitable for Living Cell Examination ∗ RNase/DNase/DNA-free, Non-Pyrogen, Non-Cytotoxic
∗ Dish Surface is Smooth and Free From Striation to maximize Usable Area for Growth.

〈M1〉

(1) TC Treated, Sterile

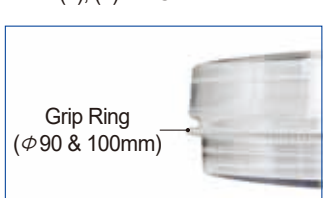
		Ea. Price,₩	Pk.	Price, ₩
DM.Dis1111	Confocal Dish, TC Treated, Dish Φ35mm, Glass Pore Φ15mm	2,850	10ea	26,390
DM.Dis1121	, Glass Pore Φ20mm	2,850	10ea	26,390

(2) Non-Treated, Sterile

		Ea. Price,₩	Pk.	Price, ₩
DM.Dis1112	Confocal Dish, Non-Treated, Dish Φ35mm, Glass Pore Φ15mm	2,680	10ea	24,820
DM.Dis1122	, Glass Pore Φ20mm	2,680	10ea	24,820



(1), (2) PS Culture Dish



Culture Dish Grip Ring

Biofil® Cell and Tissue Culture Dish, PS, TC-Treated & Non-treated, γ-Sterile, Φ35~Φ150mm 100,000 Clean Grade, Positioning Marker, Stackable, Lid with Effective Gas Exchange, −20℃+50℃, 셀 컬처 디쉬

■ ***Manufactured in Class 100,000 Cleanroom with Materials Conforming to USP CLASS VI Standards under the Quality Control of ISO 13485 & 9001 and CE.***
■ ***Batch Certifications : Lot No. is Printed on Every Case (or Pack) for Quality Traceability.***
■ ***Made of 100% USP VI Crystal Class Virgin Polystyrene : GPPS***
■ ***The Positioning Marker at the Bottom Edge(3 · 6 · 9 · 12) of the Culture Dish Facilitate Positioning of the Cells***

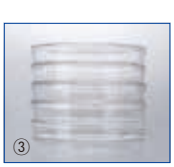
∗ Useful for Sample Separation, Pre-treatment, Storage, Applicability in Both Adherent and Suspension Cell Lines.
∗ Surface is Smooth and Free Striation to maximize Usable Area for Growth, Distortion-free Bottom.
∗ DNase/RNase Free, Non-pyrogenic & Non-cytotoxic



① The Gear Ring Design; Easy to Hold and Reduces Contamination



② The Notched Design of the Lid Ensures Sterility, Air Ventilation, and Very Effective Gas exchange



③ Convex Outer Edge for Stable Stacking

〈L1〉

(1) With TC-Treated Surface, Φ35~Φ150mm ∗ Ideal for Adherent Cell Culture

		Pk.	Price,₩	Cs.	Price, ₩
J1.C010.035	Dish, Culture, Φ35×h10.8mm, 8.5㎠-growth area	10ea	2,630	96pk	227,820
J1.C010.060	, Φ60×h12.7mm, 21.2㎠-growth area ***New***	10ea	3,270	60pk	177,480
J1.C010.090	, Φ90×h16.5mm, 55㎠-growth area, w/Grip Ring ***New***	10ea	4,640	50pk	210,590
J1.C010.100	, Φ100×h22.3mm, 60.8㎠-growth area, w/Grip Ring	10ea	4,630	30pk	125,900
J1.C010.150	, Φ150×h22mm , 143.0㎠-growth area	1ea	1,800	120pk	194,790

(2) With Non-Treated Surface, Φ35~Φ90mm NEW

∗ Ideal for Suspension Cell Culture

		Pk.	Price,₩	Cs.	Price, ₩
J1.C000.035	Dish, Culture, Φ35×h10.8mm	10ea	2,340	96pk	203,040
J1.C000.060	, Φ60×h12.7mm	10ea	2,630	60pk	142,890
J1.C000.090	, Φ90×h16.5mm, w/Grip Ring	10ea	3,320	50pk	150,390

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



SciLab® Petri Dish, Autoclavable, Φ60~Φ150 mm
Made of Boro Glass 3.3, DIN, **컬처 페트리 디쉬**

■ ***Supplied by SciLab Korea***

∗ Used in Biological and Medical Work, Culturation of Microorganism, Microscopy

〈L1〉

		Ea. Price,₩	Pk.	Price, ₩
SL.Dis1111	Petri Dish, Φ60×h15mm	1,260	10ea	12,140
SL.Dis1113	, Φ90×h18mm	1,590	10ea	15,290
SL.Dis1114	, Φ100×h20mm	2,380	10ea	22,920
SL.Dis1115	, Φ120×h25mm	6,900	5ea	33,450
SL.Dis1116	, Φ150×h30mm	11,170	5ea	54,130



Absolutely Flat Surface

A 121 °C

DURAN® STERIPLAN® Petri Dish, Autoclavable, Φ40~200mm
Good for Auto-Line, Made of Soda-lime Glass, Popular-model, **기본형 페트리디쉬**

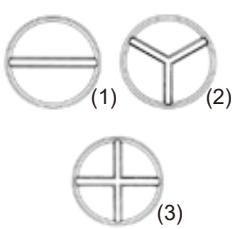
■ ***Supplied by DURAN® in Germany***

∗ Used in Biological and Medical Work, Culturation of Microorganism, Microscopy

〈L1〉

		Pk.	Price, ₩
DU.2375539	STERIPLAN® Petri Dish, Φ40×h12mm	10ea	29,870
DU.2375540	, Φ60×h15mm	10ea	30,930
DU.2375542	, Φ80×h15mm	10ea	32,720
DU.2375546	, Φ100×h15mm	10ea	35,190
DU.2375548	, Φ100×h20mm	10ea	40,170
DU.2375551	, Φ120×h20mm	10ea	50,820
DU.2375552	, Φ150×h25mm	10ea	68,600
DU.2375556	, Φ180×h30mm	10ea	131,490
DU.2375559	, Φ200×h30mm	10ea	158,130
DU.2375561	, Φ200×h45mm	10ea	172,700





(1) (2) (3)

DURAN® Sectional Petri Dish, Φ100mm, **칸막이 페트리디쉬**

■ ***Supplied by DURAN® in Germany***

■ ***DURAN® Borosilicate Glass α 3.3***

〈L1〉

		Ea. Price,₩	Pk.	Price, ₩
DU.2175048	(1) Petri Dish, **2-Section**, Φ100×h20mm	20,090	10ea	194,750
DU.2175348	(2) , **3-Section**, Φ100×h20mm	20,090	10ea	194,750
DU.2175248	(3) , **4-Section**, Φ100×h20mm	20,090	10ea	194,750



Φ35mm Petri Dish

Φ35mm Disposable Mini Sterile Petri Dish, PS, Gas Exchangeable, 2-types of h10 & h15mm
With Smooth & Glassy Clear Surface, γ-Sterile, **일회용 미니 멸균 페트리디쉬**

■ ***Made of Top-quality Polystyrene(PS)***

∗ Easy and Secure Stack. ∗ Very Effective Gas Exchange.

∗ Ideal for Bacterial Culture, Sample Separation, Pre-treatment, Storage.

∗ Dish Surface is Smooth and Free Striation to maximize Usable Area for Growth, Distortion-free Bottom.

(1) Biofil® 10mm Height-type

■ ***Manufactured in Class 100,000 Cleanroom with Materials Conforming to USP CLASS VI Standards under the Quality Control of ISO 13485 & 9001 and CE.***

■ ***Batch Certifications : Lot No. is Printed on Every Case (or Pack) for Quality Traceability.***

〈L1〉

		Pk. Price,₩	Cs.	Price, ₩
J1.D000.035	Petri Dish, PS, Sterile, Φ35×h10mm, 10pcs / Inner Pack	10ea 2,040	96pk	149,890

(2) mediclin® 15mm Height-type NEW

〈M1〉

		Pk. Price,₩	Cs.	Price, ₩
DM.Dis3004	Petri Dish, PS, Sterile, Φ35×h15mm, 10pcs / Inner Pack	10ea 1,790	50pk	82,350



DAIHAN® Φ60~Φ150mm Sterile Disposable Petri Dish, E-beam or EO Gas Sterile
Made of Crystal Clear PS, −10℃+70/80℃, **일회용 멸균 페트리디쉬**

■ ***Supplied by DAIHAN Korea*** ■ ***Breathing Lugs for Free Air Circulation, Nonpyrogenic.***
■ ***Crystal Clear Polystyrene(PS) for Easy Reading and Consistently Flat Bottoms.***
■ ***Ideal for Bacterial Culture, Sample Separation, Pre-treatment, Storage or Microscopic Examination Required.***
■ ***Stackable and Ideal for Usage in Auto-line System.***
■ ***Sterile Packing : 10pcs/inner Bag, 500pcs(10ea×50pk.) or 120pcs(10ea×12pk.) Outercase***
∗ Smooth and Free Striation Surface to maximize Usable Area for Growth.
∗ Uniform Wall Thickness ensures Distortion-free Bottom. ∗ Gas Exchageable



(1)



(2)

(1) *Wisd*™ Premium Grade; Φ60, Φ90, Φ150mm

∗ Made in Korea ∗ Electron Beam Sterile

〈L2〉

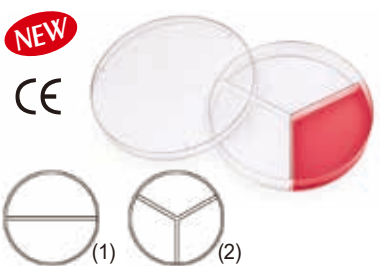
		Pk. Price,₩	Cs.	Price, ₩
DH.W30012	Petri Dish, PS, Sterile, Φ60×h15mm	10ea 1,490	50pk	68,640
DH.W30015	, Φ90×h15mm	10ea 1,390	50pk	64,050
DH.W30019	, Φ150×h20mm	10ea 7,190	12pk	79,800

(2) mediclin® Classic Model; Φ60, Φ90, Φ150mm NEW

∗ EO Gas Sterile

〈M1〉

		Pk. Price,₩	Cs.	Price, ₩
DM.Dis3001	Petri Dish, PS, Sterile, Φ60×h15mm	10ea 1,320	100pk	122,230
DM.Dis3002	, Φ90×h15mm	10ea 1,270	50pk	58,800
DM.Dis3003	, Φ150×h15mm	10ea 5,700	20pk	105,560


(1) (2)

mediclin® Φ90mm Sterile 2-&3-Compartment Petri Dish, PS, Venting Lugs for Free Air Circulation
With Flat Base, Φ90×h15mm, CE Certified, Stackable, for Parallel Testing, **멸균 페트리디쉬**

■ ***Supplied by DAIHAN Korea*** ∗ E.O Sterile Packaging : 10pcs/Pk
∗ Made of Polystyrene (PS) ∗ 90mm Diameter ensures Compatibility with most Automated System
∗ Dish Surface is Smooth and Free Striation to maximize Usable Area for Growth

〈M1〉

		Pk. Price,₩	Cs.	Price, ₩
DM.Dis3012	(1) Petri Dish, Φ90×h15mm, Two-Compartment	10ea 2,500	50pk	115,630
DM.Dis3013	(2) , Three-Compartment	10ea 2,620	50pk	120,750



Wisd Square PS Petri Dish, with Grid 18×18mm, Sterile, Non-Pyrogenic, 125×125×h20mm
Made of Polystyrene, Crystal Clear, −10℃+70/80℃, **눈금 4각 페트리디쉬**



∗ Crystal Clear Polystyrene for Easy Reading and Consistently Flat Bottoms
∗ for Wide Culture Space ∗ With Stacking Bead for Stable Stacking
∗ Sterile Packaging : 10pcs/Sterile inner Poly Bag Pack, 240pcs(10ea×24pk)/Outer case
∗ Sterilized by Electron Beam
∗ Striation Provide Easy Counting Cell & Colony Formation

〈L2〉

		Pk. Price,₩	Cs.	Price, ₩
DH.W40125	Dish, Petri., Square PS, 125×125×h20mm, Sterile	10ea 5,930	24pk	131,430



mediclin® Φ60mm Sterile Contact Dish, PS, Convex Bottom Type
With Alphanumeric Marked 10×10mm, CE Certified, −10℃+70/80℃, **눈금 멸균 컨택디쉬**

■ ***Supplied by DAIHAN Korea***
■ ***격자 눈금에 일련번호와 알파벳 표기가 되어 있음*** ■ ***Made of Crystal Clear Polystyrene(PS) for Easy Reading***
∗ Certified CE ∗ E.O Sterile Packaging : 10pcs/Pk
∗ Ideal for Phage Typing, Susceptibility Testing, Plate Counts, and Probe Assays

〈M1〉

		Pk. Price,₩	Cs.	Price, ₩
DM.Dis3011	Petri Dish, with Grid, Φ60×h15mm	10ea 2,430	100pk	224,000



Simport® PS Absorbent Pad Petri Dish, Φ50×h9mm, Accommodate Φ47mm Membrane Filters
Ideal for Culturing Micro-organism on Agar or Media, −10℃+70/80℃, **흡수패드 디쉬**

■ ***Supplied by Simport® in Canada*** ■ ***Made of PS(Polystyrene)***
■ ***Agar 나 묽은 Media 상에서의 미생물 배양에 용이함***
∗ Stackable and have Squared off Edges on both top and Bottom with Provide Convenient Grip for One Handed Opening.
∗ Designed to Accommodate Φ47mm Diameter Membrane Filters.

〈L1〉

		Pk. Price,₩	Cs.	Price, ₩
SP.D210.18A	Sterile Petri dish, without Pads, Φ50×h9mm, 20 pcs/Sterile Pack	20ea 11,770	25pk	279,670
SP.D210.18B	, with Pads, Φ50×h9mm, 20 pcs/Sterile Pack	20ea 13,630	25pk	324,340

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



Stainless-steel Petri Dish, with Cover, Fine-polished, Φ60~Φ120mm, 스텐레스 페트리디쉬

<L3>

■ ***Made in Korea*** ■ ***Made of 304 Stainless-steel, Excellent Surface Smoothness***

		Ea. Price, ₩
C9.1223	Petri Dish, Stainless-steel 304, Φ60×h20mm	7,800
C9.1224	, Φ75×h20mm	9,100
C9.1226	, Φ90×h20mm	11,050
C9.1227	, Φ120×h20mm	16,900



SciLab® Petri Dish Rack, 3-Place, up to 18 Dishes of Φ90mm
Made of Stainless-steel 304, 스텐 디쉬 랙

■ ***Made in Korea***
* Stainless-steel Wire, Good Finished for Safety Working.
* Each Place Holds up to 6ea of Φ90×15mm or 4ea of Φ90×20mm
* Use in Incubator or Refrigerator for Storage

<L1>

		Ea. Price, ₩
SL.Ra7010	"SDR-3", Rack, 3 Placed, 315×110×h110mm	55,570



SciLab® Petri Dish Carrier, 3-Place, up to 30 Dishes of Φ100mm
Stainless-steel Wire, 페트리디쉬 운반대

■ ***Made in Korea***
■ ***Φ100mm 이하의 Dish를 30개까지 수용함***
* Stainless-steel Wire, Good Finished : for Smooth Working.
* Each Place Holds up to 10ea of Φ100mm Dish
* Size : 345×115×h370 mm(Exclude Handle h290mm)

<L1>

		Ea. Price, ₩
SL.Rac7030	Rack, Dish, 3×10 dish (to Φ100mm), 345×115×h370mm	31,670



Petri Dish Sterilizer Can/Box, Stainless-steel, up to 10 Dishes of Φ105 & 130mm
With Stainless-steel Cover and Removable Rack, h250mm, 페트리디쉬 멸균통

■ ***Supplied by SciLab Korea*** * Good Finished for Smooth Working
* Including Stainless-steel Cover and Removable Rack * Protects Petri Dishes During and After Heat Sterilization
* Removable Rack is made of Iron Sheet with Chromed * For up to 10 Dishes

<L1>

		Ea. Price, ₩
SL.Ra7101	Sterilizer Can, for Petridish, Stainless-steel, Φ105×h250mm	27,490
SL.Ra7102	, Φ130×h250mm	27,490



(1) With Spout



(2) Without Spout

Crystallizing Dish, Normal-grade, Borosilicate Glass α3.3, 20~2,000㎖
With or Without Spout, DIN & USP Standard, 결정 / 크리스탈라이징 디쉬

<L1>

(1) Crystallizing Dishes, with Spout

		Ea. Price,₩	Pk.	Price, ₩
GL.246.202.01S	Crystallizing Dish, 20㎖ , Φ40×h25 mm	5,110	10ea	49,310
GL.246.202.02S	, 40㎖ , Φ50×h30 mm	5,680	10ea	54,870
GL.246.202.03S	, 60㎖ , Φ60×h35 mm	6,600	10ea	63,880
GL.246.202.04S	, 100㎖ , Φ70×h40 mm	7,940	10ea	76,720
GL.246.202.05S	, 150㎖ , Φ80×h45 mm	8,600	10ea	83,330
GL.246.202.06S	, 300㎖ , Φ95×h55 mm	10,600	10ea	102,810
GL.246.202.07S	, 500㎖ , Φ115×h65 mm	16,820	10ea	163,080
GL.246.202.08S	, 900㎖ , Φ140×h75 mm	20,570	10ea	199,490
GL.246.202.09S	, 2,000㎖, Φ190×h90 mm	32,830	10ea	318,390

(2) Crystallizing Dishes, without Spout

		Ea. Price,₩	Pk.	Price, ₩
GL.246.202.01	Crystallizing Dish, 20㎖ , Φ40×h25 mm	4,750	10ea	45,830
GL.246.202.02	, 40㎖ , Φ50×h30 mm	5,000	10ea	48,260
GL.246.202.03	, 60㎖ , Φ60×h35 mm	5,970	10ea	57,640
GL.246.202.04	, 100㎖ , Φ70×h40 mm	7,390	10ea	71,520
GL.246.202.05	, 150㎖ , Φ80×h45 mm	7,960	10ea	77,080
GL.246.202.06	, 300㎖ , Φ95×h55 mm	10,070	10ea	97,650
GL.246.202.07	, 500㎖ , Φ115×h65 mm	16,560	10ea	160,490
GL.246.202.08	, 900㎖ , Φ140×h75 mm	19,280	10ea	186,910
GL.246.202.09	, 2,000㎖, Φ190×h90 mm	32,600	10ea	316,140

Articles	Cat. No	Description


(1)




(2)

Evaporating Dish, Borosilicate Glass 3.3, 15~2,500㎖, 글라스 증발 접시

(1) DURAN® Premium Evaporating Dish, <Germany-Made>

〈L1〉

Cat. No	Description	Ea. Price,₩	Pk.	Price, ₩
DU.2130132	Evaporating Dish, 15㎖ , Φ50×h25mm	16,150	10ea	156,490
DU.2130134	, 45㎖ , Φ60×h30mm	9,250	10ea	89,630
DU.2130138	, 60㎖ , Φ70×h35mm	10,430	10ea	101,000
DU.2130141	, 90㎖ , Φ80×h45mm	16,500	10ea	159,940
DU.2130144	, 170㎖ , Φ95×h55mm	12,320	10ea	119,270
DU.2130149	, 320㎖ , Φ115×h65mm	18,180	10ea	176,140
DU.2130154	, 600㎖ , Φ140×h80mm	27,700	10ea	268,520
DU.2130159	, 1,500㎖, Φ190×h100mm	107,430	10ea	1,041,930
DU.2130163	, 2,500㎖, Φ230×h130mm	155,290	10ea	1,506,190

(2) Classic Evaporating Dish

Cat. No	Description	Ea. Price,₩	Pk.	Price, ₩
SL.Dis1011	Evaporating Dish, 45㎖ , Φ60×h30mm	2,780	6ea	16,180
SL.Dis1013	, 110㎖, Φ90×h45mm	3,180	6ea	18,510
SL.Dis1015	, 320㎖, Φ120×h60mm	5,200	2ea	10,090
SL.Dis1017	, 700㎖, Φ150×h75mm	6,990	2ea	13,570



PYREX® Rectangular Dish, without Lid, Boro-glass 3.3, for Multiuse, 2~4.5Lit
Autoclavable or Usable in Microwave Oven, 다용도 4각 글라스 디쉬

■ ***Supplied by PYREX® in UK***

∗ Ideal for Numerous Applications : Drying Powders & Crystals, Staining & Development, Collection of Drips & Spills from Solution Bottles, and Gel Electrophoresis & Paper Chromatography

〈L1〉

Cat. No	Description	Ea. Price,₩	Pk.	Price, ₩
Py.1490.04	Rectangular Dish, 2,000㎖, 210×200×h60mm	31,290	4ea	121,340
Py.1490.06	, 3,500㎖, 230×337×h57mm	35,070	4ea	135,990
Py.1490.08	, 4,500㎖, 270×389×h57mm	47,770	4ea	185,290



Quartz Evaporating Dish, up to 1,250℃, 10~320㎖, 석영 증발접시

■ ***Supplied by SciLab Korea***

〈L2〉

Cat. No	Description	Ea.	Price, ₩
WI.8651001	Evaporating Dish, 10㎖ , Φ40×h18mm		41,490
WI.8651002	, 15㎖ , Φ50×h25mm		53,900
SL.Qu.Di013	, 45㎖ , Φ60×h30mm		59,070
SL.Qu.Di014	, 60㎖ , Φ70×h35mm		85,320
SL.Qu.Di015	, 90㎖ , Φ80×h45mm		94,500
SL.Qu.Di016	, 170㎖, Φ95×h55mm		108,940
SL.Qu.Di017	, 320㎖, Φ115×h65mm		144,380

Premium Glazed Porcelain Evaporating Dish, Flat-& Deep-form, with Spout, up to 1,000℃, 22~8,500㎖
Printed Identification No., Acids and Alkalis(except HF) Resistance, 자제 증발 접시, 평형 & 둥근 바닥형, 유약처리, 식별번호부


(1) Flat-form, 28~450㎖

(1) Flat-form, 28~450㎖, Glazed in-side, 평바닥형

〈L1〉

Cat. No.	Description	Ea. Price, ₩	Cs.	Price, ₩
SC.DF65	28㎖ , Φ70×h15㎜	3,900	6ea	22,700
SC.DF75	55㎖ , Φ80×h20㎜	4,700	6ea	27,370
SC.DF85	75㎖ , Φ90×h22㎜	5,840	6ea	33,980
SC.DF100	110㎖, Φ102×h25㎜	8,430	6ea	49,040

Cat. No.	Description	Ea. Price, ₩	Cs.	Price, ₩
SC.DF115	195㎖, Φ120×h32㎜	9,700	6ea	56,470
SC.DF125	250㎖, Φ130×h30㎜	10,350	6ea	60,240
SC.DF150	450㎖, Φ160×h40㎜	19,380	6ea	112,770
-	-	-		-

※ Size OD Φ175, Φ200, Φ250 and Φ300mm Available on Demand.


(2) Deep-form, 22~8,500㎖

(2) Deep-form, 22~8,500㎖, Glazed out-side, 둥근바닥형

Cat. No.	Description	Ea. Price, ₩	Cs.	Price, ₩
SC.DD50	22㎖ , Φ50×h22㎜	3,240	6ea	18,850
SC.DD60	35㎖ , Φ60×h27㎜	3,900	6ea	22,700
SC.DD75	50㎖ , Φ73×h31㎜	4,700	6ea	27,370
SC.DD80	75㎖ , Φ80×h32㎜	5,190	6ea	30,200
SC.DD85	105㎖, Φ85×h41㎜	6,470	6ea	37,620
SC.DD95	140㎖, Φ95×h43㎜	7,770	6ea	45,190
SC.DD100	190㎖, Φ105×h44㎜	8,430	6ea	49,040
SC.DD115	232㎖, Φ115×h47㎜	9,700	6ea	56,470

Cat. No.	Description	Ea. Price, ₩	Cs.	Price, ₩
SC.DD125	390㎖ , Φ130×h53㎜	10,350	6ea	60,240
SC.DD140	500㎖ , Φ140×h61㎜	11,870	6ea	69,050
SC.DD150	750㎖ , Φ155×h66㎜	19,380	6ea	112,770
SC.DD185	1135㎖, Φ187×h81㎜	43,800	4ea	254,930
SC.DD200	1500㎖, Φ202×h84㎜	-	1ea	69,390
SC.DD250	3000㎖, Φ255×h105㎜	-	1ea	108,120
SC.DD350	5000㎖, Φ355×h130㎜	-	1ea	369,690
SC.DD400	8500㎖, Φ400×h190㎜	-	1ea	750,370

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



(1) Square-form



(2) Rectangular-form

Alumina Dish, Unglazed, 99.7%, up to 1750℃, 25~1,200㎖, 알루미나 디쉬

(1) Square-form

Cat. No		Ea.	Price, ₩
SC.HART10B	Alumina Dish, Square, approx-25㎖, 50×50×h15mm		24,690
SC.HART30	-40㎖, 50×50×h22mm		27,270

(2) Rectangular-form

Cat. No		Ea.	Price, ₩
SC.HART100	Alumina Dish, approx-120㎖ , 50×104×h32mm		43,600
SC.HART140	-160㎖ , 52×92×h42mm		87,550
SC.HART225	-225㎖ , 47×129×h40mm		136,930
SC.HART340	-400㎖ , 93×205×h25mm		190,180
SC.HART1000	-1200㎖, 160×250×h40mm		311,070



VITLAB® PFA Evaporating Dish, with Snap on Lid (PE), 25 & 50㎖, Autoclavable

Excellent Resistance to Chemical and Corrosion, −200℃+260℃, <Germany-Made> 투명 테프론 증발접시

∗ No-contamination ∗ Perfluoroalkoxy

Cat. No		Ea.	Price, ₩
VI.1032.97	Evaporating Dish, PFA, 25㎖, Φ50×h25 mm		66,990
VI.1033.97	, 50㎖, Φ50×h54 mm		89,030



PTFE Evaporating Dish

Cowie® 25~400㎖ PTFE Evaporating Dish, Smooth Internal Finish, UV Protection, Autoclavable

Excellent Chemical- & Corrosion-Resistant and Inert, <UK-Made> −200℃+260℃, PTFE 증발접시

(1) Low-form, with Spout

Cat. No		Ea. Price,₩
CW.006.1025.1	25㎖ , Φ65×h12 mm	27,280
CW.006.1050.1	50㎖ , Φ82×h15 mm	34,790
CW.006.1100.1	100㎖, Φ102×h20 mm	49,780
CW.006.1180.1	180㎖, Φ130×h22 mm	68,690
CW.006.1350.1	350㎖, Φ132×h36 mm	96,940
CW.006.1400.1	400㎖, Φ136×h40 mm	108,000

(2) Low-form, without Spout

Cat. No		Ea. Price,₩
CW.006.1025	25㎖ , Φ45×h25 mm	26,280
CW.006.1050	50㎖ , Φ60×h20 mm	29,470
CW.006.1100	100㎖, Φ80×h28 mm	38,100
CW.006.1180	180㎖, Φ80×h46 mm	54,740
CW.006.1350	350㎖, Φ100×h55 mm	79,330

(3) Tall-form, with Spout

Cat. No		Ea. Price,₩
CW.006.025	25㎖ , Φ38×h34 mm	30,700
CW.006.050	50㎖ , Φ40×h50 mm	31,230
CW.006.100	100㎖, Φ64×h50 mm	42,630
CW.006.150	150㎖, Φ78×h43 mm	49,420
CW.006.180	180㎖, Φ80×h50 mm	50,140
CW.006.250	250㎖, Φ97×h50 mm	58,080
CW.006.350	350㎖, Φ100×h60 mm	81,390



(1) Flat-type, without Lid



(2) Flat-type, with Lid

Bochem® 99.5% Pure Nickel Evaporating Dish, Flat type, 45~100㎖

Corrosion-Free under Inert Gas, High-quality & Shiny, <Germany-Made> 니켈 증발접시

■ ***Melting point 1,455℃***

(1) Flat/Low-type, without Lid, 45~100㎖

Cat. No		Ea.	Price, ₩
BC.8040	99.5% Nickel, Evap. Dish, without Lid, Flat, 45㎖ , Φ55×h19mm		128,170
BC.8041	, 45㎖ , Φ60×h16mm		147,940
BC.8042	, 73㎖ , Φ70×h19mm		145,350
BC.8045	, 100㎖, Φ90×h16mm		184,870

(2) Flat/Low-type, with Lid, 45~100㎖

Cat. No		Ea.	Price, ₩
BC.8060	99.5% Nickel, Evap. Dish, with Lid, Flat, 45㎖ , Φ55×h19mm		217,930
BC.8061	, 45㎖ , Φ60×h16mm		256,440
BC.8062	, 73㎖ , Φ70×h19mm		260,470
BC.8065	, 100㎖, Φ90×h16mm		304,930



(1)



(2)

Stainless-steel Evaporating Dish, Bowl & Flat type, 50~450㎖

Made of Non-magnetic 18/10 Stainless-steel, 1,400℃, 증발접시, 비자성

■ ***Supplied by SciLab Korea***

(1) Bowl-type, 50~450㎖

Cat. No		Ea. Price,₩
SL.Dis7021	50㎖ , Φ60×h30mm	16,130
SL.Dis7022	80㎖ , Φ70×h35mm	18,790
SL.Dis7023	130㎖, Φ80×h40mm	21,450
SL.Dis7025	250㎖, Φ100×h50mm	26,830
SL.Dis7026	450㎖, Φ120×h60mm	32,170

(2) Flat/Low-type, 50~90㎖

Cat. No		Ea. Price,₩
SL.Dis7011	50㎖, Φ60×h20mm	5,400
SL.Dis7012	65㎖, Φ70×h20mm	5,940
SL.Dis7013	90㎖, Φ80×h20mm	6,470

Articles	Cat. No	Description



Bochem® Premium Stainless-steel Multi-use Rectangular Dish, with Rim
Non-magnetic 18/10 Stainless-steel, **비자성 스텐 디쉬**

■ ***Supplied by Bochem® in Germany***

〈L1〉

Cat. No		Ea.	Price, ₩
BC.8454	Evap. Dish / Tray, Stainless-steel, 220×155×h40mm		50,200
BC.8455	, 240×160×h50mm		52,250
BC.8456	, 310×200×h45mm		60,180
BC.8457	, 340×210×h60mm		74,800



Emesis Basin, Stainless-steel, L200~L300mm
High Polished, Corrosion Resistance, <Korea-Made> **농반/베이신, 의료용에 적합**

〈L3〉

Cat. No		Ea.	Price, ₩
C9.3320	Basin, Stainless-steel, L200mm		12,350
C9.3340	, L250mm		13,650
C9.3360	, L300mm		24,700



Aluminum Rectangular Dish/Tray, Heat Resistance, 알루미늄 직사각형 디쉬, 재사용 가능

〈L2〉

Cat. No		Ea.	Price,₩	Pk.	Price, ₩
SL.Dis8111	"S-1", Dish/Tray, 102×45×h23mm	1,540		100ea	141,450
SL.Dis8112	"S-2", , 127×64×h26mm	1,450		100ea	133,680
SL.Dis8114	"S-4", , 184×124×h33mm	2,220		100ea	204,370
SL.Dis8115	"S-5", , 240×180×h30mm	2,130		100ea	196,100


Micro-

Wheaton® Micro-weighing Dish, Reusable Aluminum, 0.5 & 2.2㎖
Ideal for Analyitical Balance, Φ11 & 20mm, <USA-Made> **미량 디쉬**

〈L1〉

Cat. No		dh pk.	Price, ₩	Cs.	Price, ₩
WH.370790	Weighing Dish, 0.5㎖, Φ11×h6mm, 0.15g/pcs	10ea	4,090	1000ea	201,580
WH.370792	, 2.2㎖, Φ20×h8mm, 0.45g/pcs	10ea	5,170	1000ea	255,140


(1) Φ75·90·102mm Reusable Al. Dish


(2) Φ90mm Reusable Al. Dish

Φ75·90·102mm Reusable Aluminum Dish, for Sampling & Weighing, 30~57㎖
알루미늄 샘플/평량 디쉬, 재사용 가능

∗ Good for General Weighing, Testing and Moisture Drying Application for Moisture Analyzer

(1) Φ75·90·102mm Reusable Aluminum Dish

■ ***Supplied by DAIHAN Korea***

〈L3〉

Cat. No		Pk.	Price, ₩
DH.Dis8005	Al.Sample Dish, 30㎖, Φ75×h8mm, 4.5g	100ea	108,750
DH.Dis8006	, 25㎖, Φ90×h4mm, 3.05g	50ea	13,000
DH.Dis8007	, 57㎖, Φ102×h8mm, 3.8g	50ea	12,500

(2) Φ90mm Premium Reusable Aluminum Dish, <Germany-Made>

〈L1〉

Cat. No		Pk.	Price, ₩
KE.MLB.A01	Al.Sample Dish, 40㎖, Φ90×h7mm, 3.7g	80ea	104,250


(1)


(2)


(3)

SciLab® Disposable Aluminum Weighing Dish, Stackable, General- · Attached Handle- · Smooth Wall-type
Ideal for Weighing, Storage, Sampling and Drying, No Coating and Oil Free, **알루미늄 샘플/평량 디쉬**

■ ***Supplied by SciLab Korea*** ∗ Ideal for Weighing, Storage, Sampling and Drying ∗ with Flat Bottom

〈L3〉

(1) Aluminum Weighing Dish, General-type

Cat. No		Pk.	Price, ₩
SL.Dis8030	Weighing Dish, Aluminum, General-type, Φ51×h12.7mm , 20㎖ , 1g	100ea	16,000
SL.Dis8031	, Φ70×h30.0mm , 70㎖ , 1.5g	100ea	18,000
SL.Dis8032	, Φ71×h17.4mm , 75㎖ , 2g	100ea	16,500
SL.Dis8034	, Φ127×h28.6mm, 200㎖, 4g	50ea	18,000

(2) Aluminum Weighing Dish, Attached Handle-type, 8㎖~80㎖

Cat. No		Pk.	Price, ₩
SL.Dis8040	Weighing Dish, Aluminum, Attached Handle-type, Φ30×h10.0mm, 8㎖ , 0.3g	100ea	14,000
SL.Dis8042	, Φ50×h12.7mm, 20㎖, 1g	100ea	8,100
SL.Dis8043	, Φ60×h16.0mm, 40㎖, 1.5g	100ea	11,250
SL.Dis8044	, Φ76×h16.0mm, 80㎖, 2g	100ea	14,070

(3) Aluminum Weighing Dish, Smooth Wall-type, 90㎖

Cat. No		Pk.	Price, ₩
SL.Dis8051	Weighing Dish, Aluminum, Smooth Wall-type, Φ100×h13mm, 90㎖, 5g	100ea	33,000

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description


(1)


(2)


(3)

Simport® PS Anti-Static Weighing Dish, for Static-affected Materials, Disposable, 9~355㎖
With Smooth Surface, −10℃+70/80℃, PS **일회용 플라스틱 평량디쉬, 정전기방지용**

■ ***Supplied by Simport® in Canada***

∗ Use : Sampling for Liquid, Solid, and Powder ∗ Easily Transformed into Funnel-form
∗ Anti-static : Suitable for Clean Room Dish in Electronic & Semiconductor Field

(1) Square-type

<L1>

∗ Smooth Surface ; Minimum Sample Loss

		Pk.	Price,₩	Cs.	Price, ₩
SP.D250.1	Dish, Square type, 10㎖ , 40×40×h8mm	500ea	34,550	8pk	263,050
SP.D250.2	, 100㎖, 78×78×h25mm	500ea	82,830		
SP.D250.3	, 330㎖, 127×127×h25mm	500ea	170,370		

(2) Boat-type, Pour Dish

∗ Easy to pour out Samples

		Pk.	Price,₩	Cs.	Price, ₩
SP.D251.1	Dish, Boat type, 12㎖ , 50×37×h8mm	250ea	33,640	8pk	255,950
SP.D251.2	, 140㎖, 128×76×h25mm	250ea	73,450		
SP.D251.3	, 270㎖, 180×117×h25mm	250ea	114,590		

(3) Hexagonal-type

∗ Great Balance Protection and Safety

		Pk.	Price,₩	Cs.	Price, ₩
SP.D252.1	Dish, Hexagonal type, 9㎖ , Top i.d. 35mm , Base i.d.25mm	500ea	38,190	8pk	290,690
SP.D252.2	, 58㎖ , Top i.d. 70mm , Base i.d.47mm	500ea	75,420		
SP.D252.3	, 203㎖, Top i.d.115mm, Base i.d.85mm	500ea	124,400		
SP.D252.4	, 355㎖, Top i.d.130mm, Base i.d.95mm	500ea	152,750		


(1) Square-type Black

NEW


(2) Diamond-form Black

PS Black Weighing Dish, Square-type & Diamond-form, Ideal for White Sample
With Smooth Surface, −10℃+70/80℃, **검정 4각 & 다이아몬드형 웨잉디쉬**

<L3>

(1) Square-type, 10 · 100 · 300㎖, 4각형

		Pk.	Price, ₩
SL.Dis3021	Dish, Square-type, Black, 43×43×h8mm, 10㎖	250ea	15,000
SL.Dis3022	, 89×89×h25mm, 100㎖	250ea	24,000
SL.Dis3023	, 140×140×h25mm, 300㎖	250ea	46,500

<L1>

(2) Kartell® Diamond-form, 30 & 100㎖, <UK-Made> 다이아몬드형 NEW

		Pk.	Price,₩	Cs.	Price, ₩
KA.11101.09	Dish, Diamond-type, Black, 85×56×h15mm, 30㎖	250ea	72,850	2pk	134,890
KA.11102.09	, 135×96×h19mm, 100㎖	250ea	137,640		

Articles	Cat. No	Description



(1) Individual Package



(2) 100pads (3) 200pads

MediTop® Disposable Ethanol Swab, for Skin Disinfection, 30×30 & 40×40mm, *Medicaluse*

Sterile or Non-sterile, with 78.85% Ethyl Alcohol, **일회용 에탄올 스왑, 멸균/비멸균 소독솜**

■ Made in Korea ■ Made of Rayon Staple Fiber ■ Ideal for Disinfection of Wound & Medical Equipment
■ Made of Rayon Staple Fiber Containing 78.85% Ethanol Alcohol
∗ Easier and more Comfortable to Use for Disinfection ∗ Easy to Carry ∗ No Skin Irritation
∗ for External Use Only ∗ Approx Size Swab : 30×30 & 40×40mm

〈M3〉

1. Sterile, 78.85% Ethanol Swab

		Pk.	Price,₩	Cs.	Price, ₩
DM.Swa2001	(1) Ethanol Swab, **Sterile**, **Individual Package**, 30×30mm	100pads	2,330	60pk	
DM.Swa2002	(2) , **100pads/Package** , 40×40mm	100pads	1,270	100pk	

2. Non-sterile, 78.85% Ethanol Swab

		Pk.	Price,₩	Cs.	Price, ₩
DM.Swa2003	(1) Ethanol Swab, Non-sterile, **Individual Package**, 30×30mm	100pads	2,150	60pk	
DM.Swa2004	(2) , **100pads/Package** , 40×40mm	100pads	1,270	100pk	
DM.Swa2005	(3) , **200pads/Package** , 40×40mm	200pads	1,620	48pk	



Individual Package

MediTop® Disposable Isopropanol Swab, for Skin Disinfection, 30×30mm, *Medicaluse*

With 70% Isopropyl Alcohol, Rayon Staple Fiber, **일회용 이소프로판올 스왑, 살균소독용**

■ Made in Korea ■ Made of Rayon Staple Fiber Containing 70% Isopropyl Alcohol
∗ Ideal for Disinfection of Wound & Medical Equipment ∗ Easier and more Comfortable to Use for Disinfection
∗ Easy to Carry ∗ No Skin Irritation ∗ for External Use Only
∗ Approx Size Swab : 30×30mm

〈M3〉

		Pk.	Price,₩	Cs.	Price, ₩
DM.Swa2007	Isopropanol Swab, 30×30mm, Individual Package	100pads	2,330	60pk	



MediTop® Antiseptic Solution, Ethanol & Isopropanol & Hydrogen Peroxide, 250~4,000㎖, *Medicaluse*

Ideal for Disinfection of Skin · Hands · Affected Areas · Medical Device, **소독용 용액**

■ Made in Korea ■ 피부 및 손의 소독 / 수술부위 피부의 소독 / 의료기구의 소독

〈M3〉

(1) 78.85% Ethanol, 에탄올

		Ea.	Price, ₩
DM.Ant4001	Ethanol, 78.85%, 250㎖		1,390
DM.Ant4002	, 1,000㎖		4,480
DM.Ant4003	, 4,000㎖		14,300



(2) 70% Isopropanol, 이소프로판올

		Ea.	Price, ₩
DM.Ant4004	Isopropanol, 70%, 1,000㎖		5,370
DM.Ant4005	, 4,000㎖		16,580

(3) 3% Hydrogen Peroxide, 과산화수소수

		Ea.	Price, ₩
DM.Ant4006	Hydrogen Peroxide, 3%, 250㎖		900
DM.Ant4007	, 4,000㎖		5,370

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Liquid Handling

- Buret - Digital Motorized ..... P. 120
- Dispenser - Bottle Top ..... P. 250~256
- Peristaltic Pump ..... P. 257~259
- Pipet & Aid ..... P. 565~574
- Pipetter & Tip ..... P. 575~582



"witeg" Digital Buret



DAIHAN® *Wisdose*™ Dispenser



"witeg" *LABMAX Premium* Dispenser



Peristaltic Pump Set



Micro Pipetter, Single & 8 Channel

Application / Chemical Compatibility List for DAIHAN® *Wisdose™* Dispenser Series

Code explanations

• Regular = *W*isdose™ Standard • HF = *W*isdose™ HF

A = Good resistance B = Acceptable with limitations C = Not recommended

1 = Acid vapours (better resistance with lower concentration). Rinse the instrument in the rinse mode otherwise do not leave instrument on bottle.
2 = Risk of damage, softening or discoloration of external parts through vapours. Rinse the instrument in the rinse mode otherwise do not leave instrument on bottle.
3 = Chemical degradation of glass parts (plunger/barrel).

Reagent	Regular	HF	Reagent	Regular	HF	Reagent	Regular	HF	Reagent	Regular	HF
Acetaldehyde (Ethanal)	A	A	Chloroethanol	B/2	B/2	Hydrobromic acid	A	A	Potassium chloride	A	A
Acetic acid 96%	A	A	Chloroform (Trichloromethane)	B/2	B/2	Hydrochloric acid 20% (HCl)	A	A	Potassium dichromate	A	A
Acetic acid 100% (glacial)	B/2	B/2	Nitro-hydrochloric acid (Aqua regia)	B/2	A	Hydrochloric acid 37% (HCl)	B/1	B/1	Potassium dihydrogen phosphate	A	A
Acetic anhydride	B/2	B/2	Chlorosulfonic acid	B/2	B/2	Hydrofluoric acid (HF)	C/3	A	Potassium hydroxide	A	C/3
Acetone (Propanone)	B/2	B/2	Chlorosulfuric acid 100%	B/1/2	B/1/2	Hydrogen peroxide	A	A	Potassium iodide	A	C/3
Acetonitrile (MECN)	A	A	Chromic acid 100%	B/1/2	B/1/2	Iodine	A	A	Potassium permanganate (persulfate)	A	A
Acetophenone	B/2	B/2	Chromosulfuric acid 100%	C/1/2	C/1/2	Iodine bromide	C/2	C/2	Potassium peroxydisulface	A	A
Acetyl Chloride	B/2	B/2	Citric acid	A	A	Iodine chloride	C/2	C/2	Potassium sulfate	A	A
Acetylacetone	A	A	Copper fluoride	A	A	Isoamyl alcohol	A	A	Propionic acid (Propanoic acid)	A	A
Acrylic acid	A	A	Copper sulfate	A	A	Isobutanol	A	A	Propylene glycol (Propane-1,2-diol)	A	A
Acrylonitrile	B/2	B/2	Covi-Ox-T70 / Mixed Tocopherol	A	A	Isoocatane	A	A	Propylene oxide	A	A
Adipic acid	A	A	Cresol	A	A	Isopropanol	A	A	Picric acid (Trinitrophenol)	B/2	B/2
Allyl alcohol	A	A	Cumene (Isopropylbenzene)	B/2	B/2	Isopropyl ether	B/2	B/2	Pyridine	B/2	B/2
Aluminum chloride	A	A	Cyanoacrylate	A	A	Iso-propylamine	B/2	B/2	Pyruvic acid	A	A
Amino acids	A	A	Cyclohexane	B/2	B/2	Lactic acid	A	A	Resorcin	A	A
Ammonia 20%	B/2	B/2	Cyclohexanone	B/2	B/2	Kerosene	A	*	Salicyladehyde	A	A
Ammonia 20~30%	B/2	B/2	Cyclopentane	B/2	B/2	2-Methoxyethanol	A	A	Scintilation fluid	A	A
Ammonium chloride	A	A	1,2-Diethylbenzene	B/2	B/2	Methanol	A	A	Silver acetate	A	A
Ammonium fluoride	A	A	1,4-Dioxane (Diethylene dioxide)	B/2	B/2	Methoxybenzene (Anisol)	B/2	B/2	Silane (Silicon hydride)	*	B/1
Ammonium molybdate	A	A	1-Decanol	A	A	Methyl benzoate	B/2	B/2	Silver nitrate	A	A
Ammonium sulfate	A	A	Decane	A	A	Methyl chloride (Chloromethance)	B/2	B/2	Sodium acetate	A	A
Amyl alcohol (Pentanol)	A	A	Di-(2-ethylhexyl) peroxydicarbonate	B/2	B/2	Methyl ethyl ketone (MEK/Butanone)	B/2	B/2	Sodium chloride (kitchen salt)	A	A
Amyl chloride (Chloropentane)	B/2	B/2	Dibenzyl ether	B/2	B/2	Methyl formate	A	A	Sodium dichromate	A	A
Aniline	A	A	Dichloroacetic acid	A	A	Methyl iodide (Iodomethane)	B/2	B/2	Sodium fluoride	A	A
Ascorbic acid	A	A	Dichlorobenzene	A	A	Methyl methacrylate (MMA)	B/2	B/2	Sodium hydroxide 30%	A	A
n-Amyl acetate	B/2	B/2	Dichloroethane	A	A	Methyl propyl ketone (2-Pentanone)	A	A	Sodium hypochlorite	A	A
Barium chloride	A	A	Dichloroethylene	B/2	B/2	Methyl tert-butyl ether	B/2	B/2	Sodium thiosulfate	A	A
Benzaldehyde	A	A	Diesel oil (Heating oil)	A	A	Methylene chloride (Dichloromethance) (DCM)	B/2	B/2	Sulfonitric acid 100%	B/2	B/2
Benzene	B/2	B/2	Diethanolamine	A	A	Methylpentanone	A	A	Sulfur dioxide	B/2	B/2
Benzine	A	A	Diethylamine	B/2	B/2	Mineral oil (Engine oil)	A	A	Sulfuric acid 100%	B/2	B/2
Benzoyl chloride	B/2	B/2	Diethylene glycol	A	A	Monochloroacetic acid	A	A	Sulfuric acid <10%	A	A
Benzyl alcohol	A	A	Diethylether	B/2	B/2	Nitric acid 100%	A	A	Sulfuric acid (10-75%)	B/1	B/1
Benzyl chloride	B/2	B/2	Dimethylacetamide	A	A	Nitric acid 30-70%	A	A	Sulfuric acid (Cold conc.)	A	A
Bis(2-ethylhexyl) phthalate	B/2	B/2	Dimethyl sulfoxide (DMSO)	B/2	B/2	Nitric acid dil. <30%	A	A	Sulfuric acid (Hot conc.)	B/2	B/2
Boric acid 10%	A	A	Dimethylaniline	A	A	Nitrobenzene	B/2	B/2	1,1,2-Trichlortrifluoroethane	B/2	B/2
Bromine	C/2	C/2	Dimethylformamide (DMF)	B/2	B/2	Nitromethane	B/2	B/2	Tartaric acid	A	A
Bromobenzene	B/2	B/2	Ethanol	A	A	N-methyl-2-pyrrolidone (NMP)	A	A	Tetrachlorethylene	B/2	B/2
Bromonaphtalene	A	A	Ethanolamine	B/2	B/2	Octane	A	A	Tetrahydrofuran (THF)	B/2	B/2
Butanediol	A	A	Ether	B/2	B/2	Octanol	A	A	Tetramethylammonium hydroxide	A	A
Buthanol	A	A	Ethyl acetate	B/2	B/2	Oil (vegetable, animal)	B/2	B/2	Toluene	B/2	B/2
Butyl acetate	B/2	B/2	Ethylbenzene	B/2	B/2	Oil of turpentine	B/2	B/2	Trichlorethylene	B/2	B/2
Butyl methyl ether	B/2	B/2	Ethylene chloride	B/2	B/2	Oleic acid	A	A	Trichloroacetic acid	B/2	B/2
Butylamine	B/2	B/2	Ethylene diamine	A	A	Oleum (Fuming Sulfuric acid)	A	A	Trichlorobenzene	B/2	B/2
Butyric acid	B/2	B/2	Ethylene glycol	A	A	Oxalic acid	A	A	Trichloroethane	B/2	B/2
Calcium carbonate	A	A	Fluoroacetic acid	B/2	B/2	Pentane	B/2	B/2	Tricresyl phosphate	*	C/3
Calcium chloride	A	A	Formaldehyde (Formalin)	A	A	Peracetic acid	A	A	Triethanolamine	A	A
Calcium hydroxide	A	A	Formamide	A	A	Perchloric acid 100%	B/2	B/2	Triethylamine	A	A
Calcium hypochlorite	A	A	Formic acid	A	A	Perchloric acid diluted	A	A	Triethylene glycol	A	A
Carbon disulfide	B/2	B/2	Gamma-butyrolactone	A	A	Perchloroethylene	B/2	B/2	Trifuloroacetic anhydride (TFAA)	B/2	B/2
Carbon tetrachloride	B/2	B/2	Gasoline	B/2	B/2	Petroleum	B/2	B/2	Trifluoromethane (Fluoroform)	B/2	B/2
Chlorine dioxide	B/2	B/2	Glycerin <40%	A	A	Petroleum ether / spirit	B/2	B/2	Urea	A	A
Chlorine water	B/2	B/2	Glycolic acid 50%	A	A	Phenol	A	A	Uric acid	*	C/3
Chloro naphthalence	B/2	B/2	Heating oil (Diesel oil)	A	A	Phenylethanol	B/2	B/2	Xylene	B/2	B/2
Chloroacetaldehyde 45%	A	A	Heptane	A	A	Phenylhydrazine	B/2	B/2	Zinc chloride 10%	A	C/3
Chloroacetic acid	A	A	Hexane	A	A	Phosphoric acid 100%	A	A	Zinc sulfate 10%	A	C/3
Chloroacetone	B/2	B/2	Hexanoic acid	A	A	Phosphoric acid 85%	A	A			
Chlorobenzene	B/2	B/2	Hexanol	A	A	Piperidine	B/2	B/2			
Chlorobutane	B/2	B/2	Hydriodic acid	B/2	B/2	Potassium carbonate	*	C/3			

※ Store the instrument and accessories only in clean conditions in a cool and dry place.
Storage temperature : from −20℃ to +50℃ (from −4 °F to 122 °F)

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description

DAIHAN® *Wisdose™* 0.25~100㎖ Standard & HF Bottle Top Dispenser Set, with Adjustable Intake Tube & Delivery Nozzle With Re-Circulation Valve and Calibration Report, Fully Autoclavable, CE · ISO · DAkkS · IAF Certified, with GL45 Glass Bottle "Standard" & "HF"(for Hydrofluoric Acid)-models, 편리형 디스펜서, 일반형 & 불산형, 병 포함

- ***Supplied by DAIHAN Korea***
- ***With Individual Calibration Report***
- ***"Re-Circulation" 밸브를 통해 공기가 배기되는 동안 시약의 손실을 방지함***
- ***스프링 없는 PTFE밸브는 높은 호환성 및 밸브의 보존기간 보장***
- ***불산형 디스펜서는 Fluoropolymer Barrel로 제작되어 불산 사용에 적합함***
- ***Specially Designed Volume Adjustment Knob.***
- ***Springless Valve with High Purity Ceramic Components Facilitate Smooth and Jam-Free Functioning.***
- ***Certified ISO 9001, CE, DAkkS(German Accreditation Authority) and IAF(International Accreditation Forum).***
- ***Assured Quality with ISO 8655 Conformed Calibration.***

∗ Easy Calibration ∗ Specially Designed Calibration Tool is provided for Convenient and Quick in-lab user Re-calibration.
∗ PTFE Piston with ETP O-Ring Ensures Very High Chemical Compatibility& Wiper Like Smooth, Effortless Piston Movement.
∗ The Error Limits are well within the Limits of DIN EN ISO 8655

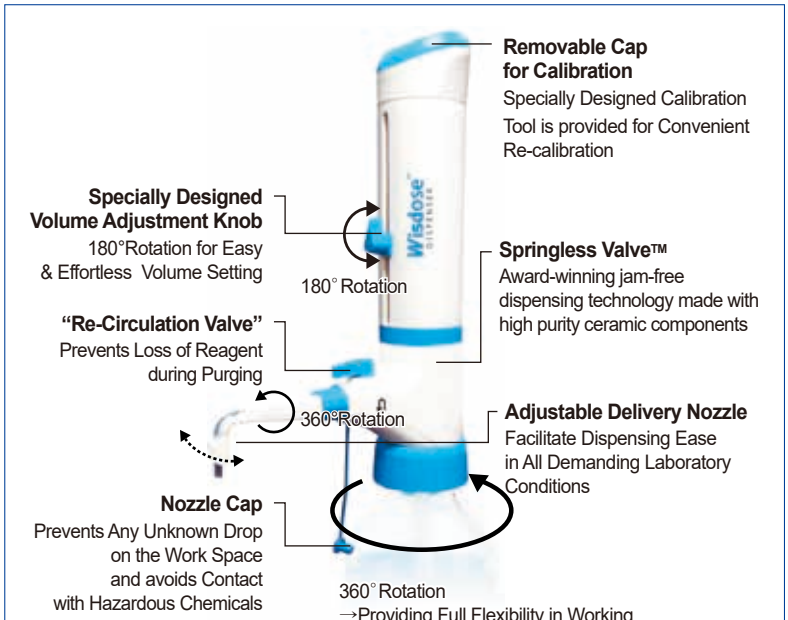


Incl. Calibration Report

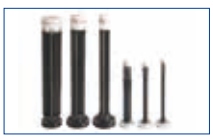


▸ **Complete Set with : 1) Dispenser, 2) Adjustable Intake Tube, 3) Calibration Tool, 4) Operation Manual**
5) Calibration Report, 6) PP GL Thread Adapter Set / 6ea of GL-28 · 30 · 32 · 38 · 40 · 45,
7) GL45 Glass Bottle ①1,000㎖ 1ea for 2.5~10㎖ dispensers or ②2,000㎖ 1ea for 25~100㎖ dispensers

※ **GL 38 Adapter is compatible with US ASTM Thread (38-400) like 4Lit Bottle from "J.T.Baker" or "Wheaton"**



(1) 0.25~100㎖ *W*isdose™ Bottle Top Dispenser



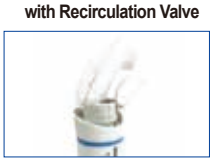
Move Effortlessly with a PTFE Piston



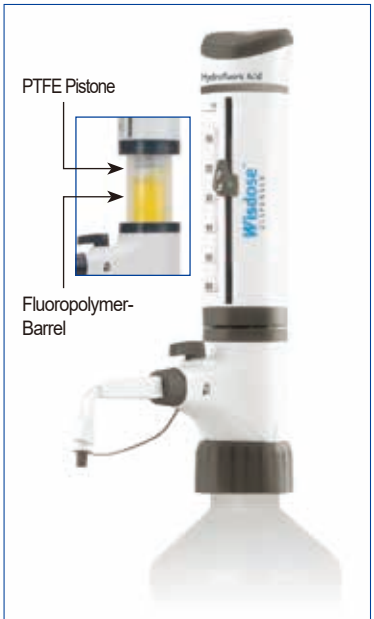
Operate Jam-free with Springless Valve™



Re-direct Liquids with Recirculation Valve



Convenient Re-calibration



(2) 1~30㎖ *W*isdose™ Dispenser for HF(Hydrofluoric Acid)

〈L1〉



Complete Kit

(1) *Wisdose™* Standard Dispenser Kit, 0.25~100㎖, with GL45 Glass Bottle, 병 포함

		Ea.	Price, ₩
DH.Dos301	Dispenser, Bottle Top, Standard, 0.25~2.5 / 0.05㎖, accu.±0.015㎖, cv.0.005㎖		301,890
DH.Dos302	, 0.5~5 / 0.1㎖ , .±0.030㎖, .0.010㎖		301,890
DH.Dos303	, 1~10 / 0.2㎖ , .±0.060㎖, .0.020㎖		301,890
DH.Dos304	, 2.5~30 / 0.5㎖ , .±0.180㎖, .0.060㎖		382,390
DH.Dos305	, 5~60 / 1㎖ , .±0.360㎖, .0.120㎖		382,390
DH.Dos306	, 10~100 / 2㎖ , .±0.600㎖, .0.200㎖		503,140

(2) *Wisdose™* HF(Hydrofluoric) Acid Dispenser Kit, 1~30㎖, without Bottle, 병은 별도

∗ Excellent Compatibility with Hydrofluoric Acid, High Purity Media, & Acids

		Set.	Price, ₩
DH.Dos311	Dispenser, Bottle Top, HF, 1.0~10.0 / 0.2㎖, accu.±0.060㎖, cv.0.020㎖		805,000
DH.Dos312	, 2.5~30.0 / 0.5㎖, accu.±0.180㎖, .0.060㎖		1,094,800



(3) GL Adapter Set, PP

(3) Spare GL Adapter Set, PP NEW

∗ Adapter Thread : GL-28, 32, 38, 40, and 45

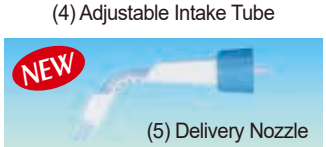
		Set.	Price, ₩
DH.Dos001	Adapter Set of 5pcs, Grey, for Basis Model	5ea	25,780



(4) Adjustable Intake Tube

(4) Spare Adjustable Intake Telescopic Tube for All Size NEW

		Ea.	Price, ₩
DH.Dos003	Adjustable Intake Tube for Dispenser (all sizes)		9,680



(5) Delivery Nozzle

(5) Spare Delivery Nozzle, with PTFE Screw Adaptor and FEP Tubing NEW

		Ea.	Price, ₩
DH.Dos004	Delivery Nozzle, for 2.5 · 5 · 10㎖		16,120
DH.Dos005	, for 30 · 60 · 100㎖		19,340

Application / Chemical Compatibility List for "witeg" Premium Dispenser LABMAX Series

Reagent	Premium	Airless	Eco & Minispensor	Reagent	Premium	Airless	Eco & Minispensor	Reagent	Premium	Airless	Eco & Minispensor
Acetaldehyde	*	*	*	Cumene	*	*	*	Methylene chloride		*	
Acetic acid 100%	*	*	*	Cyclohexane		*		Mineral oil	*	*	*
Acetic acid 96%	*	*	*	Cyclohexanone	*	*	*	Monochloroacetic acid	*		*
Acetic anhydride	*	*	*	Cyclopentane		*		Nitric acid 30%	*	*	*
Acetone	*	*	*	Decane	*	*	*	Nitric acid 30-70%	*	*	*
Acetonitrile	*	*	*	1-Decanol	*	*	*	Nitrobenzene	*	*	*
Acetophenone		*		Dibenzyl ether	*	*	*	Oleic acid	*		*
Acetylacetone	*	*	*	Dichlorobenzene	*	*	*	Oxalic acid	*		*
Acetyl chloride		*		Dichloromethane		*		n-Pentane		*	
Acrylic acid	*	*	*	Dichloroacetic acid	*	*	*	Peracetic acid	*	*	*
Acrylonitrile	*	*	*	Dichloroethane		*		Perchloric acid	*	*	*
Adipic acid	*		*	Dichloroethylene		*		Perchloroethylene		*	
Allyl alcohol	*	*	*	Diesel oil		*		Petroleum		*	
Aluminium chloride	*		*	Diethanolamine	*	*	*	Petroleum ether		*	
Amino acids	*		*	Diethyl ether		*		Phenol	*	*	*
Ammonia 20%	*	*	*	Diethylamine	*	*	*	Phenylethanol	*	*	*
Ammonia 20-30%	*	*	*	1.2 Diethylbenzene	*	*	*	Phenylhydrazine	*	*	*
Ammonium chloride	*		*	Diethylene glycol	*	*	*	Phosphoric acid 85%	*		*
Ammonium fluoride	*		*	Dimethyl sulfoxide	*	*	*	"Phosphoric acid 85% +Sulfuric acid 98%, 1:1"	*		*
Ammonium sulfate	*		*	Dimethylaniline	*		*	Piperidine	*	*	*
n-Amyl acetate	*	*	*	Dimethylformamide	*	*	*	Potassium chloride	*		*
Amyl alcohol	*	*	*	1.4 Dioxane		*		Potassium dichromate	*		*
Amyl chloride		*		Diphenyl ether	*	*	*	Potassium hydroxide	*		*
Aniline	*	*	*	Ethanolamine	*	*	*	Potassium permanganate	*		*
Barium chloride	*		*	Ethyl acetate	*	*	*	Propionic acid	*	*	*
Benzaldehyde	*	*	*	Ethyl alcohol	*	*	*	Propylene glycol	*	*	*
Benzol	*	*	*	Ethylbenzene		*		Pyridine	*	*	*
Benzine		*		Ethylene chloride		*		Pyruvic acid	*	*	*
Benzoyl chloride	*	*	*	Fluoroacetic acid	*		*	Salicylaldehyde	*	*	*
Benzyl alcohol	*	*	*	Formaldehyde 40%	*		*	Silver acetate	*		*
Benzylamine	*	*	*	Formamide	*	*	*	Silver nitrate	*		*
Benzylchloride	*	*	*	Formic acid 100%	*	*	*	Sodium acetate	*		*
Boric acid 10%	*		*	Glycerol	*	*	*	Sodium chloride	*		*
Bromobenzene	*	*	*	Glycol	*	*	*	Sodium dichromate	*		*
Bromonaphthalene	*	*	*	Glycolic acid 50%	*		*	Sodium fluoride	*		*
Butanediol	*	*	*	Heating oil		*		Sodium hydroxide 30%	*		*
1-Butanol	*	*	*	Heptane		*		Sodium hypochlorite	*		*
n-Butyl acetate	*	*	*	Hexane		*		Sulfuric acid 98%	*	*	*
Butyl methyl ether	*	*	*	Hexanoic acid	*	*	*	Tartaric acid	*		*
Butylamine	*	*	*	Hexanol	*	*	*	Tetrachloroethylene		*	
Butyric acid	*	*	*	Hydriodic acid 57%	*	*	*	Tetrahydrofuran		*	
Calcium carbonate	*		*	Hydrobromic acid	*	*	*	"Tetramethylammonium hydroxide"	*		*
Calcium chloride	*		*	Hydrochloric acid 20%	*	*	*	Toluene		*	
Calcium hydroxide	*		*	Hydrochloric acid 20-37%	*	*	*	Trichloroacetic acid	*		*
Calcium hypochlorite	*		*	Hydrogen peroxide 35%		*		Trichlorobenzene		*	
Carbon tetrachloride		*		Isooctane		*		Trichloroethane		*	
Chloro naphthalene	*	*	*	Isoamyl alcohol	*	*	*	Trichloroethylene		*	
Chloroacetaldehyde 45%	*	*	*	Isobutanol	*	*	*	Trichlorotrifluoro ethane		*	
Chloroacetic acid	*		*	Isopropanol	*	*	*	Triethanolamine	*	*	*
Chloroacetone	*	*	*	Isopropyl ether	*	*	*	Triethylene glycol	*	*	*
Chlorobenzene	*	*	*	Lactic acid	*	*	*	Trifluoro ethane		*	
Chlorobutane	*	*	*	Methoxybenzene	*	*	*	Trifluoroacetic acid	*	*	*
Chloroform		*		Methyl alcohol	*	*	*	Turpentine		*	
Chlorosulfonic acid	*	*	*	Methyl benzoate	*	*	*	Urea	*		*
Chromic acid 50%	*	*	*	Methyl butyl ether	*	*	*	Xylene		*	
Chromosulfuric acid	*	*	*	Methyl ethyl ketone	*	*	*	Zinc chloride 10%	*		*
Copper sulfate	*		*	Methyl formate	*	*	*	Zinc sulfate 10%	*		*
Cresol		*		Methyl propyl ketone	*	*	*				

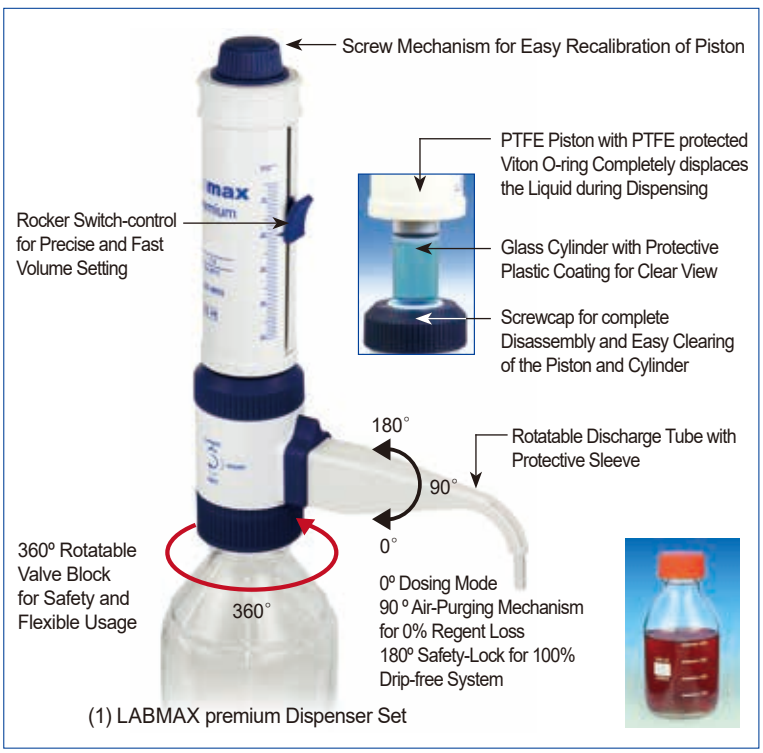
Only the Dispenser Labmax "HF" is specifically designed to dispense hydrofluoric acid (HF).

For your own safety: please observe the General Regulations for Handling Chemicals (e.g. Protective Clothing and Goggles). Read the Manual of the Dispenser carefully and follow the Instructions. Use the Dispenser only with regard to its Chemical Resistance according to this Table

※ The Price(VAT is extra) for Korean End-user, and Changeable.

"witeg" *LABMAX premium* Dispenser Set with GL45 Bottle, Built-in Recalibration & Mechanical Air-purging, 0.25~100㎖

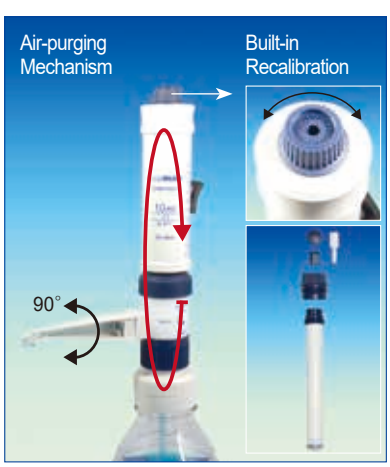
With Glass-cylinder · FEP Ejection Channel · PTFE Piston · Safety-Lock · Rocker Switch-control · GL-Screw Adapter Set
Universal Chemical Compatibility, Individual Certificate, Fully Autoclavable, <Germany-Made> 정밀 프리미엄 디스펜서, 보정기능 포함, 병 포함



(1) LABMAX premium Dispenser Set

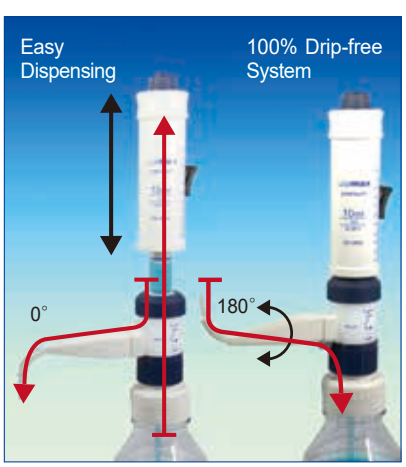
- ***DIN EN ISO 8655-5 요구 사항보다 오차 범위가 적어 최상의 정밀도와 정확도를 가짐.*** ■ ***with GL45 Bottle***
- ***All-purpose Dispenser, Universal Chemical Compatibility***
- ***Individual Certificate and Serial Number***
- ***Built-in Recalibration Mechanism Including Calibration Tool***
- ***Air-purging Mechanism for 0% Reagent Loss***
- ***100% Drip-free due to Unique Anti-drip System***
- ***Direct Displacement System; No liquid between Cylinder and Piston, Ideal for Crystalline Solution.***
- ***Fully Autoclavable at 121℃***
- ***All Dispensers allow Total Disassembling for Complete Cleaning.***
- ***DE-M marked according to the German Calibration Law***
- ***Parts in Contact with Reagent: Platinum Spring, Ceramic Valve Balls, PTFE Piston, Borosilicate Glass 3.3 Cylinder***
- ***Complete set with :***
  1) Dispenser, 2) Telescopic Filling- / Discharge-Tubes,
  3) Calibration Tool, 4) Individual Certification,
  5) PP / GL-screw Adapter Set
  ① up to 10㎖ dispensers - GL25 · GL28 · GL45 · S40
  ② 25~100㎖ dispensers - GL25 · GL28 · GL32&45 · S40
  6) GL45 Bottle ① 1,000㎖ 1ea of 2.5~10㎖ dispensers &
  ② 2,000㎖ 1ea of 25~100㎖ dispensers

* 360° Rotatable Valve Block for added Safety
* Flexible by Using Different Bottle Adapters
* Robust and Stable, made of High Quality Materials e.g. Platinum Springs
* One Handed Operation
* with 2 scales - for Measurements in Milliliter and Ounces
* Highest Reproducibility All Components can be Replaced
* Fulfils all Applicable Standards and Official Demands
* 100㎖ Version with Adjustment Precise Screw-controller for Volume Setting



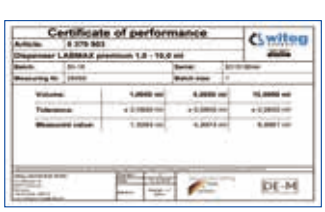
Perfect Air-purging Mechanism for 0% Reagent Loss
Turn the discharge tube at 90°. Remove (purge) trapped air without reagent loss by pumping in a closed circuit: The reagent flows back into the bottle! After pumping 2 - 3 times the dispenser is free of air and ready to use. This special feature helps not only to save residual reagent but also when accidentally setting the wrong volume!

Built-in Recalibration
for a long life time If you use the dispenser as a measuring device in conformity to ISO 9001 and GLP, you may also want to control and monitor its accuracy and reliability. The piston can easily be recalibrated by turning an internal screw!



Easy and Fatigue-proof Dispensing
Turn the discharge tube into the dosing mode and enjoy dispensing with LABMAX premium.
The piston completely discharges the reagent with each stroke. The dispensing glass cylinder is protected with a transparent plastic coating which allows the user to view the liquid in the glass cylinder. The protective coating also reduces the risk of breakage!

100% Drip-free System for Safety
By turning the discharge tube at 180° all liquid flows back into the bottle. LABMAX premium is completely closed and no accidental discharge can occur by inadvertently moving the piston. There is absolutely no dripping possible!



Incl. Individual Certificate

(1) *LABMAX premium* Dispenser Set, Universal Chemical Compatibility 0.25~100㎖, with GL45 Glass Bottle, 병 포함

<L1>

		Pk.	Price, ₩
WI.5.370.901	Dispenser, LABMAX premium, 0.25 ~ 2.5 / 0.05㎖, accu. ±0.012㎖, cv.0.002㎖, GL32	1set	462,990
WI.5.370.902	, 0.5 ~ 5 .0 / 0.1㎖ , ±0.03㎖ , .0.005㎖, GL32	1set	462,990
WI.5.370.903	, 1.0 ~ 10 .0 / 0.2㎖ , ±0.06㎖ , .0.01㎖ , GL32	1set	462,290
WI.5.370.904	, 2.5 ~ 25.0 / 0.5㎖ , ±0.15㎖ , .0.025㎖, GL45	1set	651,930
WI.5.370.905	, 5 ~ 50.0 / 1㎖ , ±0.3㎖ , .0.05㎖ , GL45	1set	685,110
WI.5.370.906	, 10 ~ 100.0 / 2㎖ , ±0.5㎖ , .0.1㎖ , GL45	1set	897,620



Incl. Telescopic Filling Tube

(2) Option ; GL38 Adapter PP, for 38-400 Screw-neck Bottles, <ex.> 4Lit "Wheaton" & "J.T. Baker"

		Pk.	Price, ₩
WI.5.377.038	Adapter, PP, GL38, for 38-400 screw-neck Bottles	1ea	23,350

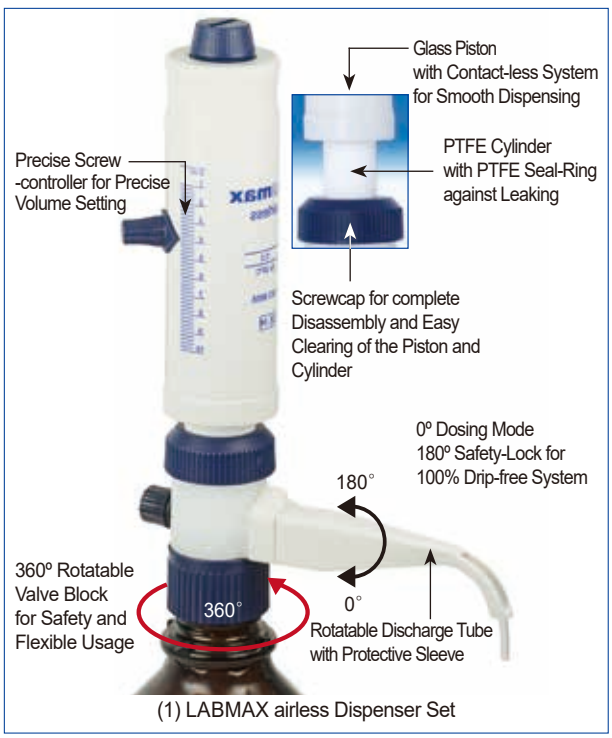
※ Chemical Compatibility List : ▶ See the Page 252
※ Optional & Spare Accessories : ▶ See the Page 255

Articles	Cat. No	Description

"witeg" *LABMAX airless & LABMAX airless HF* Dispensers set, with Automatic Air-purging, Fully Autoclavable, 0.25~100㎖

With PTFE-cylinder · Glass-or PTFE-Piston · FEP-Ejection Channel · Safety-Lock · Precise Screw-controller · GL-Screw Adapter Set
Ideal for (1) Solvent and (2) HF(Conc-acid), Individual Certificate, <Germany-Made> 고급 정밀 디스펜서, Air & Gas 자동제거, 병 포함

- ***DIN EN ISO 8655-5 요구 사항보다 오차 범위가 적어 최상의 정밀도와 정확도를 가짐***
- ***with GL45 Bottle***
- ***DE-M marked according to the German Calibration Law***
- ***Individual Certificate and Serial Number***
- ***Automatic Air-Purging***
- ***Contact-less Piston System; A Liquid Film between Cylinder and Piston, Ideal for PTFE Swelling Solvents***
- ***Fully Autoclavable at 121℃***
- ***100% Drip-free due to Unique Anti-drip System***
- ***All Dispensers allow Total Disassembling for Complete Cleaning***
- ***Complete Set with : 1) Dispenser, 2) Filling- / Discharge-Tubes, 3) Individual Certification, 4) PP / GL-screw Adapter Set {① up to 10㎖ dispensers - GL25 / GL28 · GL45 · S40 & ② 25~100㎖ dispensers - GL25 · GL28 · GL32 & 45 · S40}. 5) GL45 Bottle - {① 1,000㎖ 1ea for 2.5~10㎖ dispensers & ② 2,000㎖ 1ea for 25~100㎖ dispensers}***



(1) LABMAX airless Dispenser Set

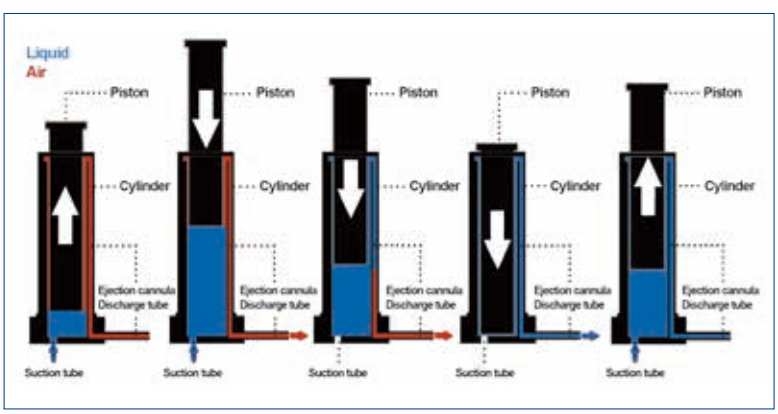
* 360° Rotatable Valve Block for added Safety
* Flexible by Using Different Bottle Adapters
* Highest Reproducibility All Components can be Replaced
* Highest Accuracy and Precision, Easy to Clean
* One Handed Operation
* Fulfils all Applicable Standards and Official Demands

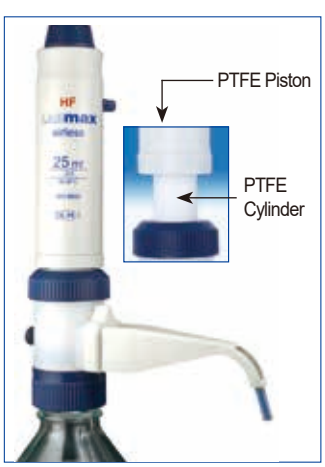


Incl. Individual Certificate

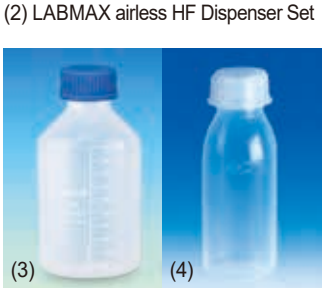
"Fully Automatic Air Purging" Avoid Wrong Value, Even by Dosing Gas Emitting Chemicals

LABMAX airless models have an automatic air purging system. Air, lighter than liquid, passes off the device automatically through the special ejection channel and discharge tube. A contamination of the bottle content is not possible.





(2) LABMAX airless HF Dispenser Set



(1) LABMAX airless Dispenser Set, for Solvent, All-purpose, 0.25~100㎖, with GL45 Bottle
With PTFE-cylinder · Glass Piston · FEP-Ejection Channel · Safety-Lock, 정밀 만능형, 병 포함

* Parts in Contact with Reagent : Platinum Spring, Ceramic Valve Balls, PTFE Cylinder, Borosilicate Glass 3.3 Piston <L1>

		Pk.	Price, ₩
WI.5.370.801	Dispenser, LABMAX airless, 0.25~2.5 / 0.05㎖, accu. ±0.012㎖, cv. 0.002㎖, GL32	1set	473,530
WI.5.370.802	, 0.5~5.0 / 0.1㎖ , ±0.03㎖ , 0.005㎖ , GL32	1set	473,530
WI.5.370.803	, 1.0~10.0 / 0.2㎖ , ±0.06㎖ , 0.01㎖ , GL32	1set	473,530
WI.5.370.804	, 2.5~25.0 / 0.5㎖ , ±0.15㎖ , 0.025㎖ , GL45	1set	631,370
WI.5.370.805	, 5~50 / 1㎖ , ±0.3㎖ , 0.05㎖ , GL45	1set	683,970
WI.5.370.806	, 10~100 / 2㎖ , ±0.5㎖ , 0.1㎖ , GL45	1set	921,850

(2) LABMAX airless HF Dispenser Set, for Hydrofluoric Acid · Concentrated acid, 1~50㎖, without Bottle
With PTFE-cylinder · PTFE Piston · FEP Ejection Channel · Safety-Lock, 불산/강산용, 병 별도

* Parts in Contact with Reagent : Platinum Spring, Ruby Valve Balls, Sapphire Valve, PTFE Cylinder, PTFE Piston
* Optional Bottle for HF & Strong Acid: PP- or PFA- Bottles

		Pk.	Price, ₩
WI.5.370.823	Dispenser, LABMAX airless HF, 1.0~10.0 / 0.2㎖, accu. ±0.06㎖, cv. 0.01㎖ , GL32	1set	1,204,070
WI.5.370.824	, 2.5~25.0 / 0.5㎖, accu. ±0.15㎖, 0.025㎖, GL45	1set	1,590,710
WI.5.370.825	, 5 ~ 50 / 1㎖ , accu. ±0.3㎖ , 0.05㎖ , GL45	1set	2,416,030

(3) Spare : Wisd™ PP DIN/GL45 Bottle, 250~5,000㎖

		Pk.	Price, ₩
DH.Bot3153	PP Bottle, GL 45, 250㎖ , Φ65×h136mm	10ea	12,340
DH.Bot3154	, 500㎖ , Φ80×h169mm	5ea	7,250
DH.Bot3155	, 1,000㎖ , Φ95×h221mm	4ea	13,130
DH.Bot3156	, 2,000㎖ , Φ125×h261mm	2ea	9,900
DH.Bot3158	, 5,000㎖, Φ182×h335mm	1ea	9,920

(4) Spare : PFA S40 Cap Pure Bottle, PFA Bottle, 250℃ Stable, 1 & 2 Lit

		Ea.	Price, ₩
VI.1096.97	Bottle, PFA, S40, 1,000㎖, Φ 96×h217mm		341,520
VI.1097.97	, 2,000㎖, Φ130×h245mm		900,040

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description


(1)


(2)


(3)


(4) & (10) GL38 Adapter for 38-400 Screw Neck (ex : 4Lit US. Bottles of "Wheaton" or "J.T. Baker"), & other Spares

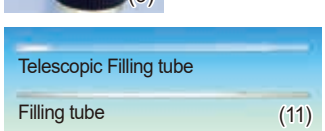

(5)


(6)


(7)


(8)


(9)



(11)


(12)

Accessory for All of "witeg" *LABMAX* Dispenser & *TITREX* Digital Buret

(1) SciLab® Dispenser Bottle with Side Neck, Graduated, Autoclavable 500~5,000㎖ with GL45-Center & GL18-Side for Solution Refill and Screwcaps, Boro Glass 3.3

〈L1〉

		Ea.	Price, ₩
SL.Bot2030	Dispenser Bottle, with GL45 Screwcap, 500㎖ , Φ86×h176mm		32,700
SL.Bot2031	, 1,000㎖, Φ101×h225mm		36,530
SL.Bot2032	, 2,000㎖, Φ136×h260mm		63,750
SL.Bot2033	, 5,000㎖, Φ183×h330mm		96,570

(2) Safety Plastic PE-coated Amber Square Bottle, 500~2,500㎖

		Ea.	Price, ₩
WI.5.372.050	Bottle, Coated Amber, Square, 500㎖ , GL32		20,390
WI.5.372.100	, Square, 1,000㎖, GL45		25,690
WI.5.372.250	, Round , 2,500㎖, GL45		50,790

(3) *Wisd*™ GL45 PP Bottle for HF/Conc Acid, Autoclavable, 250~5,000㎖

		Pk.	Price, ₩
DH.Bot3153	Heavy Duty Bottle, PP, W-N, GL 45, 250㎖ , Φ65×h136mm	10ea	12,340
DH.Bot3154	, 500㎖ , Φ80×h169mm	5ea	7,250
DH.Bot3155	, 1,000㎖, Φ95×h221mm	4ea	13,130
DH.Bot3156	, 2,000㎖, Φ125×h261mm	2ea	9,900
DH.Bot3158	, 5,000㎖, Φ182×h335mm	1ea	9,920

(4) GL38 Adapter for ASTM 38-400 Screw-neck Bottles (ex: 4Lit "J.T. Baker")

		Pk.	Price, ₩
WI.5.377.038	Adapter, PP, GL38, for 38-400, ideal for 4Lit US reagent bottles	1ea	23,350

(5) Standard Glass Joint Adapter, with Screw-Thread · Cone, Borosilicate Glass 3.3

		Ea.	Price, ₩
WI.0.550.029	Joint Adapter, Screw-thread GL32, Cone-19/26		58,350
WI.0.550.030	, Cone-24/29		33,640
WI.0.550.031	, Cone-29/32		37,600
WI.0.550.040	, Screw-thread GL45, Cone-29/32		70,780
WI.0.550.041	, Cone-45/40		79,900

(6) L180cm Flexible FEP Discharge Tube Set, Coiled-type, with Support Sleeve, Autoclavable

		Pk.	Price, ₩
WI.5.375.002	Flex. Discharge tube, FEP, L180cm, for 2.5~10㎖ dispensers	1ea	68,390
WI.5.375.012	, for 25~100㎖ dispensers & Digital Buret 50㎖	1ea	118,770

(7) Check-Valve, One-way, PE-Coated Glass, Fitting to the Ventilation Channel For Fuming Acids & Strong Smelling Liquids (ex. Linol or Brom, etc.)

		Pk.	Price, ₩
WI.5.377.300	Check Valve, PE Coated Glass	1ea	52,380

(8) Drying Tube, PE-Coated Glass, Fitting to the Ventilation Channel to Protect Reagent in the Bottle from the Moisture of Outside

		Pk.	Price, ₩
WI.5.377.310	Drying Tube, PE-Coated Glass	1ea	20,280

(9) One-way Filters, Against Bacteria & Dust All standard One-way Filters fit to the Ventilation Channel

		Pk.	Price, ₩
C1.SA20.25	Filter, Against Bacteria & Dust, Φ25mm, Pore Size 0.2㎛	50ea	136,730
C1.SA45.25	, Pore Size 0.45㎛	50ea	136,730

(10) Spare GL Adapter, PP, Autoclavable

		Pk.	Price, ₩
WI.5.377.025	Adapter, PP, GL25	1ea	13,020
WI.5.377.028	, GL28	1ea	13,020
WI.5.377.038	, GL38 ; for ASTM 38-400 Screw-neck ; Option	1ea	23,350
WI.5.377.045	, GL45	1ea	21,340
WI.5.497.600	, GL45/32	1ea	9,300

(11) Spare FEP Filling Tube, Autoclavable

		Pk.	Price, ₩
WI.5.375.000T	Telescopic Filling tube, FEP, for 2.5~10㎖ dispensers, od Φ4×L170~330mm	1ea	27,190
WI.5.375.001T	, for 25~100㎖ dispensers, od Φ6×L170~330mm	1ea	54,500
WI.5.375.000	Filling tube, FEP, for 2.5~10㎖ dispensers, od Φ5×L310mm	1ea	20,240
WI.5.375.001	, for 25~100㎖ dispensers, od Φ7×L310mm	1ea	25,970
WI.5.497.200	, for Digital buret 50㎖ , od Φ7×L390mm	1ea	28,980

(12) Spare FEP Discharge Tube Set, with Support Sleeve, Autoclavable

		Pk.	Price, ₩
WI.5.375.003	Discharge tube, FEP, for 2.5~10㎖ dispensers, L80mm	1ea	16,450
WI.5.375.004	, for 25~100㎖ dispensers, L120mm	1ea	21,440
WI.5.497.400	, for Digital buret 50㎖ , L120mm	1ea	25,940

Articles	Cat. No	Description

"witeg" *MINISPENSOR* Micro-Bottle Top Dispenser, 50~2,000㎕, 2 Fixed Micro-volume Dispensing

Ideal for Long & Repeat Pipetting, 4-colored Models, GL28/GL32 Adapters, <Germany-Made> 마이크로 디스펜서, 2-용량 고정식

Pipetting without Tips



Alternative to Micropipettes

■ ㎕ 단위의 미량을 정밀 정확하게 연속/반복, 신속 분주/피펫팅용
■ Alternative to Micropipettes, No Tips Required!
■ Highest Accuracy and Precision, Better than the DIN EN ISO 8655 Requirements.
■ Scope of Delivery : Minispensor Main Unit, 100㎖ Amber Bottle, Instruction Manual, Individual Certificate, Serial Number, Thread Adapter (GL28/GL32).

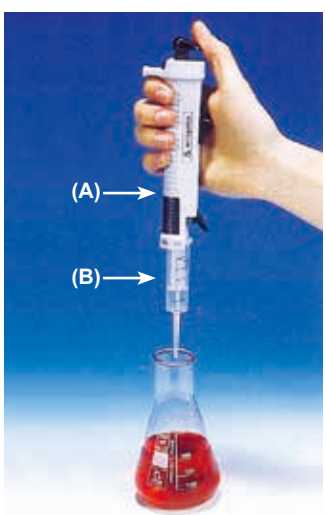
∗ Comfortable Handling for Larger Pipetting Series.
∗ 2 Define Volumes each Dispenser and Easy Volume Setting.
∗ Autoclavable at 121℃.
∗ 100% Drip-free by turning the Discharge Tube by 180°
∗ Individual Certificate and Serial Number
∗ Easy to Volume Setting : Just Push and Turn the Bottom at 180°
∗ Made of Chemical Resistant Materials like Ceramic Balls, PTFE Piston, and Borosilicate Glass 3.3 Cylinder.
∗ DE-M Marked According to the German Calibration Law, Valid from Jan. 2015.
∗ Spare Parts are available on Request

※ **Chemical Compatibility List ▶ See the 252 Page**

〈L1〉

		Ea.	Price, ₩
WI.5.371.101	Dispenser, Micro-Bottle Top, 50 & 100㎕ , C.V≤0.3㎕, accu.±1.5㎕, Yellow		428,250
WI.5.371.525	, 250 & 500㎕ , C.V≤1㎕ , accu.±5㎕ , Red		428,220
WI.5.371.950	, 500 & 1000㎕ , C.V≤2㎕ , accu.±6㎕ , Blue		428,220
WI.5.371.990	, 1000 & 2000㎕, C.V≤4㎕ , accu.±12㎕ , Green		428,250

, Continuous Step 분주기







PP Syringe Tips

"witeg" *WITOPETTE* Continuous Step Dispenser/Pipettor, Sterile or Non-sterile

With Adapter, 1~5000㎕ at 1-Step (Max. 50㎖), <Germany-Made> Digital 정밀 연속 Step-분주 겸 피펫터

■ Micro 분주기 겸 피펫터 1~5,000㎕, 직접 치환 방식
■ 8종의 PP Syringe Tip 선택가능
■ 시액을 Full 로 충진 후 1초 간격으로 최대 48회 분주 가능하여 원하는 용량을 연속, 정밀, 신속하게 분주할 수 있음
■ WITOPETTE is Hand Held Dispenser for 1㎕ to 5,000㎕, incl. Adapter for 25 and 50㎖.
■ Simple Serial Dosing within the range of 1㎕ to 5,000㎕
■ Light weight, approx. 100g
■ Allows up to 48 Dispensing steps of 29 different Volume in intervals of 1 sec. without Refill
■ Reproducibility and Accuracy
■ Certified precision (DIN 12 650)

∗ Micro- Dispenser / Pipettor do not Require a Bottle, 1~5,000㎕ (for Use Basic Acce. Adapter 25 & 50㎖)

〈L1〉

		Ea.	Price, ₩
(A) WI.5.385.200	**Dispenser, WITOPETTE**, 1~5,000㎕ (Ext. 50㎖) including Adaptor for 25 & 50㎖ Syringe		645,520

(B) 0.05~50㎖ Optional PP Syringe Tip

(1) Non-sterile Bulk Pack

		dh Pk.	Price,₩	Cs.	Price, ₩
WI.5.385.222	Tip, Syringe, Non-sterile, 0.05㎖, Divi. 10㎕	10ea	63,550	100ea	423,630
WI.5.385.223	, 0.5㎖ , Divi. 10㎕	10ea	22,300	100ea	148,630
WI.5.385.224	, 1.25㎖, Divi. 25㎕	10ea	31,970	100ea	212,980
WI.5.385.225	, 2.5㎖ , Divi. 50㎕	10ea	22,300	100ea	148,630
WI.5.385.226	Tip, Syringe, Non-sterile, 5.0㎖ , Divi. 100㎕	10ea	22,300	100ea	148,630
WI.5.385.227	, 12.5㎖, Divi. 250㎕	10ea	22,300	100ea	148,630
WI.5.385.228	, 25㎖ , Divi. 500㎕	5ea	10,500	25ea	48,630
WI.5.385.229	, 50㎖ , Divi. 1,000㎕	5ea	10,500	25ea	48,630

(2) Sterile Individual Pack

		Pk.	Price, ₩	Cs.	Price, ₩
WI.5.385.252	Tip, Syringe, **Sterile**, 0.5㎖ , Divi. 10㎕	1ea	3,880	100ea	257,690
WI.5.385.253	, 1.25㎖, Divi. 25㎕	1ea	4,370	100ea	290,200
WI.5.385.254	, 2.5㎖ , Divi. 50㎕	1ea	4,370	100ea	290,200
WI.5.385.255	Tip, Syringe, **Sterile**, 5.0㎖ , Divi. 100㎕	1ea	3,880	100ea	257,690
WI.5.385.256	, 12.5㎖, Divi. 250㎕	1ea	4,370	100ea	290,200
WI.5.385.257	, 25㎖ , Divi. 500㎕	1ea	7,140	25ea	118,900
WI.5.385.258	, 50㎖ , Divi. 1,000㎕	1ea	7,140	25ea	118,900

※ The Price(VAT is extra) for Korean End-user, and Changeable.

jiPump™ Micro Precise Flow Peristaltic Pump Set, with Micro-/Multi-channel Pump Head, 1~4 Channel

Up to 300rpm, Flow Rate 0.005~45㎖/min, Large-screen Color LCD Graphic Display, **정밀 미량 액체 연동 펌프**



jiPump™
Peristaltic Pump with DG4 Head, 4×0.005~45㎖ 4-channel



Multi-channel Micro Flow Pump Head, Module-type

- ***Supplied by SciLab Korea***
- ***1-/2-/4-채널 펌프 헤드를 장착하여 일정 유속으로 분주할 수 있게 하는 펌프***
- ***For Micro Flow Rate, Multi-channel Fluid Transfer, Easy to Change and Fix the Tubing***
- ***1 to 4 Channel DG series Pump Head***
- ***Flow rate : 0.005~45㎖/min, Depends on Pump Head Type, RPM and Tubing Size***
- ***Large Graphic Display shows Three Operating Modes - Timing, Filling and Continuous Run***
- ***Automatic Identification Footswitch***
- ∗ Change and Fix Tubing Easily
- ∗ Skillful Trigger Structure, Convenient to Eject the Cartridges (DG-1, DG-2)
- ∗ More Rollers reduces Pulsation and Flow Rate Slightly

Pump Driver Specification

Pump driver	CA-3
Display mode	Color LCD graphic display
Flow Rate	≤1500㎖
Speed	0.1~300 RPM
Speed Mode	Reversible / Rotary Encoder Switch
Suck-back Angle	0~360° Arbitrarily Set
Foot Switch	Automatic Identification (Optional)
Dimension	304×166×h178(mm)
Weight / Power	3.7~4.7kg / 36W
Work Environment	−20℃+60℃, Relative Humidity Less than 85%
Power Supply	AC220V 50/60Hz(AC110V 50/60Hz Optional)
Protection Grade	IP31

Flow Rate according to Pump Head · Pump Driver · Used Tubing (Medium : Water)

Pump Head Type	DG1	DG2	DG4
Channel Quantity	1	2	4
Tubing	ID≤3.17mm, Wall Thickness 0.8~1mm		
Speed(rpm)	0.1~150 rpm		
Max. Flow Rate/Channel(ml/min)	48㎖/min		
Flow Rate According to Tubing Size	ID 1mm - 0.005~15㎖/min ID 2mm - 0.14 ~18㎖/min ID 3mm - 0.23 ~45㎖/min		

Ordering Information

〈L1〉

CA-3, with Pump Head DGx Series, 0.005~45㎖/min, 1~4-channels

		Ea. Price, ₩
SL.PuCA3.DG1	Peristaltic Pump Set, **"CA-3"**, with DG1 Pump Head, 1 Channel, (0.005~45㎖/min)	1,269,430
SL.PuCA3.DG2	, with DG2 Pump Head, 2 Channel, 2×(0.005~45㎖/min)	1,302,180
SL.PuCA3.DG4	, with DG4 Pump Head, 4 Channel, 4×(0.005~45㎖/min)	1,367,690

Spare Pump Heads

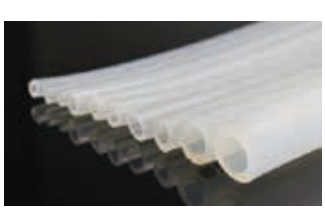
		Ea. Price, ₩
SL.DG1	Micro Flow Pump Head, **"DG1"**, Single Channel	177,100
SL.DG2	, **"DG2"**, 2-Channel	210,880
SL.DG4	, **"DG4"**, 4-Channel	278,400



(1) Optional Foot Switch

Optional Foot Switch and Silicone Tubings

		Ea. Price, ₩
SL.Fswitch	(1) Foot Switch, for Start-stop Control	30,030
SL.1010	(2) Silicone Tubing, for DG Head, 1.0mm Wall, id Φ1.0mm×L2m	12,530
SL.1020	, id Φ2.0mm×L2m	15,640
SL.1030	, id Φ3.0mm×L2m	21,900
SL.1040	, id Φ4.0mm×L2m	25,030



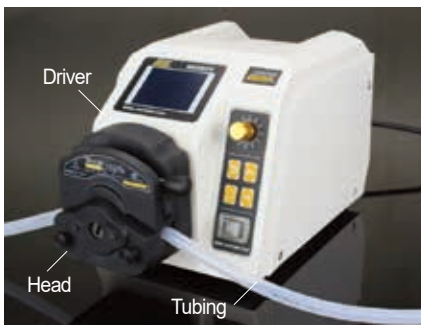
(2) Optional Silicone Tubing

※ **The Details for Optional Order : Please see the last page of peristaltic pump**

Articles	Cat. No	Description

jiPump™ Anti-corrosive Precise Peristaltic Pump Set, with PPS Module Pump Head

Up to 600rpm, Flow Rate 0.02~3000㎖/min, Large-screen Color LCD Graphic Display, **정밀 액체 연동 펌프, 내부식/내화학성 헤드**



jiPump™
Peristaltic Pump Set with PPS Head

- ***Supplied by SciLab Korea***
- ***High-strength Corrosion/Chemical Resistance Stackable Module Pump Head - PPS (Polyphenylene Sulfine)***
- ***Flow rate : 0.02~3000㎖/min, Depends on Pump Head Type, RPM and Tubing Size***
- ***Large Graphic Display shows Three Operating Modes - Timing, Filling and Continuous Run***
- ***Automatic Identification Footswitch***

∗ PPS Material Pump Head has Stable Performance and High Temperature Resistance(200℃)
∗ Rotating Code Switch, Convenient and Practical, with Voice and Text Prompt can be operated Easily
∗ Operation Instructions : Panel Operation, Foot Switch (Automatic Recognition - Optional)
∗ Stack up to 2pump Heads to Driver





Easy Load Pump Head, "15PPS"
Corrosion/Chemical Resistance

Pump Driver Specification

Pump driver	CA-1	CA-3	CA-6
Display mode	Color LCD graphic display		
Flow Rate	≤500㎖	≤1500㎖	≤3000㎖
Speed	0.1~100 RPM	0.1~300 RPM	0.1~600 RPM
Speed Mode	Reversible / Rotary Encoder Switch		
Suck-back Angle	0~360° Arbitrarily Set		
Foot Switch	Automatic Identification (Optional)		
Dimension	304×166×h178mm		
Weight / Power	3.5~4.5kg /18W	3.7~4.7kg / 36W	4.1~5.1kg / 54W
Work Environment	−20℃+60℃, Relative Humidity Less than 85%		
Power Supply	AC220V 50/60Hz(AC110V 50/60Hz Optional)		
Protection Grade	IP31		

Flow Rate according to Pump Head · Pump Driver · Used Tubing (Medium : Water)

Pump Head Type		15PPS					25PPS			
Tubing No.		SL.1616	SL.1632	SL.1648	SL.1664	SL.1679	SL.2448	SL.2464	SL.2479	SL.2496
Tubing Inner Dia.Φ(mm)		1.6	3.1	4.8	6.4	7.9	4.8	6.4	7.9	9.6
Tubing Thickness(mm)		1.6					2.4			
CA-1 Driver	Speed(rpm)	0.1 ~ 100								
	Flow Rate(㎖/min)	0.02~21	0.07~79	0.17~194	0.29~275	0.39~380	0.14~135	0.26~248	0.26~390	0.5~500
CA-3 Driver	Speed(rpm)	0.1 ~ 300								
	Flow Rate(㎖/min)	0.03~63	0.08~230	0.17~500	0.3~890	0.4~1170	0.2~445	0.3~840	0.4~1170	0.5~1500
CA-6 Driver	Speed(rpm)	0.1 ~ 600								
	Flow Rate(㎖/min)	0.03~125	0.08~470	0.17~1120	0.3~1780	0.4~2200	0.2~900	0.3~1620	0.4~2340	0.5~3000

Ordering Information

〈L1〉

CA-1 Driver, with Pump Head 15PPS and 25PPS, 0.02~500㎖/min, Single & 2-channels

		Ea. Price, ₩
SL.PuCA1.15PP	Peristaltic Pump Set, **"CA-1"**, with 1×15PPS Pump Head, (0.02~380㎖/min)	1,223,570
SL.PuCA1.25PP	, with 1×25PPS Pump Head, (0.14~500㎖/min)	1,223,570
SL.PuCA1.15PP2	, with 2×15PPS Pump Head, 2×(0.02~380㎖/min)	1,458,670
SL.PuCA1.25PP2	, with 2×25PPS Pump Head, 2×(0.14~500㎖/min)	1,458,670

CA-3 Driver, with Pump Head 15PPS and 25PPS, 0.03~1,500㎖/min, Single & 2-channels

		Ea. Price, ₩
SL.PuCA3.15PP	Peristaltic Pump Set, **"CA-3"**, with 1×15PPS Pump Head, (0.03~1,170㎖/min)	1,332,750
SL.PuCA3.25PP	, with 1×25PPS Pump Head, (0.2~1,500㎖/min)	1,332,750
SL.PuCA3.15PP2	, with 2×15PPS Pump Head, 2×(0.03~1,170㎖/min)	1,567,850
SL.PuCA3.25PP2	, with 2×25PPS Pump Head, 2×(0.2~1,500㎖/min)	1,567,850

CA-6 Driver, with Pump Head 15PPS and 25PPS, 0.03~3,000㎖/min, Single & 2-channels

		Ea. Price, ₩
SL.PuCA6.15PP	Peristaltic Pump Set, **"CA-6"**, with 1×15PPS Pump Head, (0.03~2,200㎖/min)	1,441,930
SL.PuCA6.25PP	, with 1×25PPS Pump Head, (0.2~3,000㎖/min)	1,441,930
SL.PuCA6.15PP2	, with 2×15PPS Pump Head, 2×(0.03~2,200㎖/min)	1,677,030
SL.PuCA6.25PP2	, with 2×25PPS Pump Head, 2×(0.2~3,000㎖/min)	1,677,030

Spare Pump Heads

		Ea. Price, ₩
SL.15PP	Pumphead, Easy Load, **"15PPS"**, for 1.6mm Thickness Tubing	242,390
SL.25PP	, **"25PPS"**, for 2.4mm Thickness Tubing	242,390

Optional Foot Switch

		Ea. Price, ₩
SL.Fswitch	Foot Switch, for Start-stop Control	30,030



Optional Foot Switch

※ **The Details for Optional Order : Please see the last page of peristaltic pump**

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description

Accessories for *jiPump*™ Peristaltic Pump : Pump-Driver · Head · Silicone Tubing &c.

With Peristaltic Pump Driver, Module Pump Head, Foot Switch, Countersunk Head, Silicone tubing, **액체 연동 펌프 세트 액세서리**



(1) Peristaltic Pump Only







(2) Multi-channel Micro Flow Pump Head, Module-type





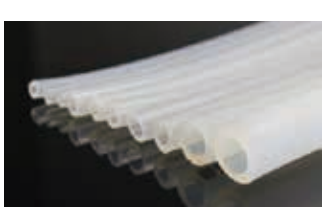
(3-1) PSU Pump Head, "15PSU"
(3-2) PPS Pump Head, "15PPS" Corrosion/Chemical Resistance



(4) Foot Switch, Start-stop Control



(5) Anti Floating Countersunk Head, 5Pcs, Φ2.5~10mm



(6) Silicone tubing, id Φ1.0~9.6mm

■ ***Supplied by SciLab Korea***

(1) Peristaltic Pump Driver

∗ Flow Rate : 0.02~3000㎖/min
∗ Large Graphic Display Shows Three Operating Modes - Timing, Filling and Continuous Bum
∗ Pump Head can be Attached to Driver

〈L1〉

		Ea. Price, ₩
SL.PuCA1	Driver **"CA-1"**, 0.1~100rpm, 3.5~4.5kg, 18W	1,019,040
SL.PuCA3	Driver **"CA-3"**, 0.1~300rpm, 3.7~4.7kg, 36W	1,131,590
SL.PuCA6	Driver **"CA-6"**, 0.1~600rpm, 4.1~5.1kg, 54W	1,244,150

(2) Micro Flow Pump Head, DG Series

∗ For Micro Flow Rate, Multi-channel Fluid Transfer, Easy to Change and Fix the Tubing
∗ Change and Fix Tubing Easily
∗ More Rollers reduces Pulsation and Flow Rate Slightly

		Ea. Price, ₩
SL.DG1	Micro Flow Pump Head, **"DG1"**, Single Channel	177,100
SL.DG2	, **"DG2"**, 2-Channel	210,880
SL.DG4	, **"DG4"**, 4-Channel	278,400

(3) Module Pump Head, PSU & PPS Materials, Stainless-steel 304 Imported Rollers

∗ PSU Material Pump Head (153Yx-PSU, 253Yx-PSU) : Good Appearance and Chemical Properties
∗ PPS Material Pump Head (153Yx-PPS, 253Yx-PPS) : High-strength Corrosion/Chemical Resistance
∗ 15model (153Yx) - Can only be installed Thickness 1.6mm Tubing (14# id Φ1.6mm ~18# Φ7.9mm / 1.6mm Wall)
∗ 25model (253Yx) - Can only be installed Thickness 2.4mm Tubing (15# id Φ4.8mm ~36# id Φ9.6mm / 2.4mm Wall)
∗ Unique Dust Cover Design, More Clean and Hygienic Easy to Clean
∗ Runner used imported SS304

		Ea. Price, ₩
SL.15PS	(3-1) PSU Pump Head, **"15PSU"**, Suit for 1.6mm Thickness Tubing, White	303,920
SL.25PS	, **"25PSU"**, Suit for 2.4mm Thickness Tubing, White	303,920
SL.15PP	(3-2) PPS Pump Head, **"15PPS"**, Suit for 1.6mm Thickness Tubing, Black	242,390
SL.25PP	, **"25PPS"**, Suit for 2.4mm Thickness Tubing, Black	242,390

(4) Foot Switch

∗ Foot Switch Starts and Stops the Dispensing Cycle without the Use of Hands
∗ Used in the Start-stop Control instead of a Key Operation ∗ Connect to Peristaltic Pump Directly

		Ea. Price, ₩
SL.Fswitch	Foot Switch, for Start-stop Control	30,030

(5) Anti Floating Countersunk Head, Stainless-steel 304, Various Size

∗ Countersunk Head in order to ensure that the Liquid in the Container of the Pump Tubing can be Completely Inhaled.
∗ Selectable Anti Floating Countersunk Head according to Silicone Tubing ∗ Made of 304 Stainless-steel

		Ea. Price, ₩
SL.AFH.1	Anti Floating Countersunk Head, for id Φ3.2mm Tubing	15,020
SL.AFH.2	, for id Φ4.8mm Tubing	20,280
SL.AFH.3	, for id Φ6.4mm Tubing	24,780
SL.AFH.4	, for id Φ7.9mm Tubing	26,280
SL.AFH.5	, for id Φ9.6mm Tubing	37,540

(6) Professional Platinum Silicone Tubing for Peristaltic Pump, Autoclavable

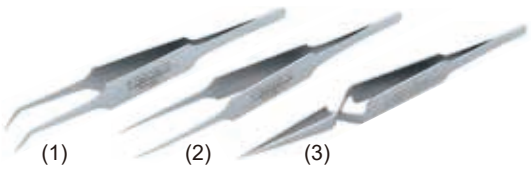
∗ Made of High-purity Quality Silicone Raw Materials ∗ Anti-aging, Anti-oxidation, Low Permeability
∗ Tear Resistance, Excellent Stretching and Resilience Fatigue Resistance
∗ High Transparency, Smooth Wall, High Cleanliness ∗ Higher Viscosity Liquids can be Transported

		Ea. Price, ₩
SL.1010	Silicone Tubing, for DG Head, 1.0mm Wall, id Φ1.0mm×L2m	12,530
SL.1020	, id Φ2.0mm×L2m	15,640
SL.1030	, id Φ3.0mm×L2m	21,900
SL.1040	, id Φ4.0mm×L2m	25,030
SL.1616	Silicone Tubing, for 15 Head, 1.6mm Wall, id Φ1.6mm×L2m	25,030
SL.1632	, id Φ3.2mm×L2m	40,650
SL.1648	, id Φ4.8mm×L2m	56,290
SL.1664	, id Φ6.4mm×L2m	68,800
SL.1679	, id Φ7.9mm×L2m	81,300
SL.2448	Silicone Tubing, for 25 Head, 2.4mm Wall, id Φ4.8mm×L2m	87,550
SL.2464	, id Φ6.4mm×L2m	109,440
SL.2479	, id Φ7.9mm×L2m	131,340
SL.2496	, id Φ9.6mm×L2m	140,700

※ Hammacher® Premium Maintenance Service for All stainless-steel Instruments of Diamond Coating, Sharpening, Refinishing &c.
⇒ See the "Forceps" Section.

Hammacher® Premium Micro Dissecting Forceps, Rustproof Stainless-steel, L100mm

With Sharp-Tip, Precision, <Germany-Made> 프리미엄 마이크로 해부 포셉/핀셋, 독일제, 비부식



- ***Germany-made 프리미엄급; 비부식, 내산성 / 내약품성 / 내열성 우수***
- ***Rustproof Stainless-steel of 18/8 Cr-Ni; Rust-proof, Excellent Resistance to Acid / Chemicals / Heat***

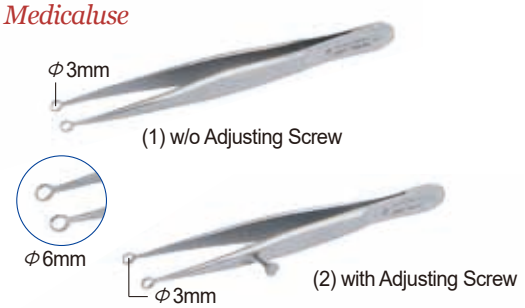
〈L1〉

			Ea.	Price, ₩
HA.HSO009.10	(1)	Micro Dissecting Forceps, Curved, L100mm		74,720
HA.HSO010.10	(2)	, Straight, L100mm		69,950
HA.HSO012.10	(3)	, Cross Action, L100mm		79,300

Hammacher® Premium Micro Tumor/Tissue Forceps, L90mm, *Medicaluse*

With or Without Adjusting Screw, Stainless-steel 410, <Germany-Made> 프리미엄 튜머 겸 티슈 포셉/핀셋, 독일제 의료용, 비부식

Medicaluse



- ***Germany-made 프리미엄급 의료용 포셉/핀셋, 비부식, 고강도, 고경도, 내약품성***
- ***Stainless-steel 410 : Rust-proof, High-Strength/Hardness, Chemical Resistance***
- ***Round Ring Tip : Φ3mm(id 2.2mm), Φ6mm(id 4.8mm)***

∗ For Taking Hold of Tumor and Tissue

〈M1〉

(1) without Adjusting Screw, Round Ring Tip Φ3 & 6mm

			Ea.	Price, ₩
HA.HSC700.93	Forceps, for Tumor/Tissue, Φ3mm, L90mm			66,340
HA.HSC701.96	, Φ6mm, L90mm			66,340

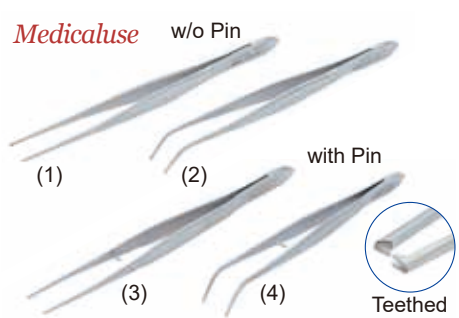
(2) with Adjusting Screw, Round Ring Tip Φ3 & 6mm

			Ea.	Price, ₩
HA.HSC702.93	Forceps, for Tumor/Tissue, w/Adjusting Screw, Φ3mm, L90mm			88,670
HA.HSC703.96	, Φ6mm, L90mm			88,670

Hammacher® Premium Micro Tissue Forceps, Wironit™ Special Non-magnetic/Rust-free Stainless-steel, *Medicaluse*

L105 & 115mm, with Teethed, Sterilizable, With or without Pin, <Germany-Made> 프리미엄 마이크로 티슈 포셉/핀셋, 독일제 의료용, 비자성/비부식 특수스텐

Medicaluse w/o Pin



- ***Germany-made 프리미엄급; 비자성, 비부식, 내산성 / 내약품성 / 내열성 우수***
- ***Wironit™ Special Stainless-steel of 18/10 Cr-Ni; Non-magnetic, Rust-free, Excellent Resistance to Acid / Chemicals / Heat***

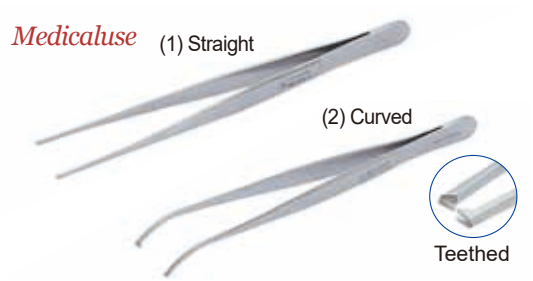
〈M1〉

			Ea.	Price, ₩
HA.HWC210.10	(1)	Micro Tissue Forceps, L105mm, Straight		69,630
HA.HWC211.10	(2)	, Curved		70,440
HA.HWC216.11	(3)	Micro Tissue Forceps, L115mm, with Pin, Straight		73,890
HA.HWC217.11	(4)	, Curved		81,280

Hammacher® Premium Fine Tissue Forceps, with Teethed, L130 & 145mm, *Medicaluse*

(1) Straight-type and (2) Curved-type, Stainless-steel 410, <Germany-Made> 프리미엄 파인 티슈 포셉, 독일제 의료용, 비부식

Medicaluse (1) Straight



- ***Germany-made 프리미엄급; 비부식, 고강도, 고경도, 내약품성***
- ***Stainless-steel 410 : Rust-proof, High-Strength/Hardness, Chemical Resistance***

〈M1〉

(1) Straight-type, L130 & 145mm

			Ea.	Price, ₩
HA.HSC214.13	Fine Tissue Forceps, Teethed, Straight, L130mm			32,170
HA.HSC216.14	, L145mm			39,940

(2) Curved-type, L130 & 145mm

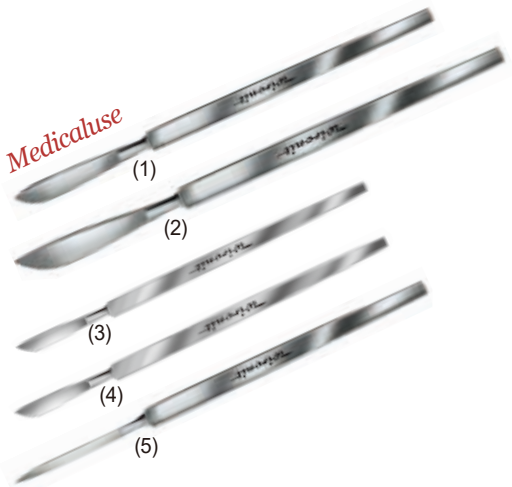
			Ea.	Price, ₩
HA.HSC215.13	Fine Tissue Forceps, Teethed, Curved, L130mm			34,530
HA.HSC217.14	, L145mm			40,680

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description

Hammacher® Premium Delicate Scalpel, Stainless-steel 420, *Medicaluse*

1. L155 & L163mm Delicate and 2. L120 · 125 · 129mm Very Delicate, <Germany-Made> 프리미엄 메스, 독일제 외과용, 비자성/비부식 특수스텐



■ *Germany-made 프리미엄급, 외과용 메스, 비부식, 고강도, 고경도, 내약품성*
■ *인체 조직의 절단 및 절개등에 사용*
■ *Surgical Stainless-steel 420 ; Rust-proof, High-strength / Hardness / Chemical Resistance*

<M1>

1. L155 & L163mm Delicate, 정밀형

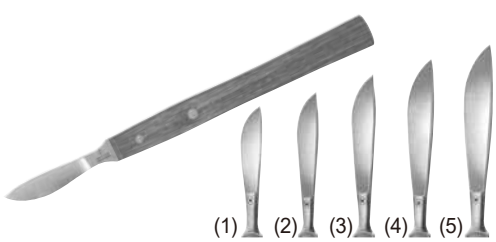
		Ea.	Price, ₩
HA.HWB220.30	(1) Fine Knife / Scalpel, Overall Length 155mm, Blade : L30×w6.5mm		67,170
HA.HWB222.40	(2) Fine Knife / Scalpel, Overall Length 163mm, Blade : L40×w8.0mm		67,170

2. L120 · 125 · 129mm Very Delicate, 매우 정밀형

		Ea.	Price, ₩
HA.HWB202.20	(3) Precision Knife / Scalpel, Overall Length 120mm, Blade : L20×w4mm		68,300
HA.HWB203.23	(4) Precision Knife / Scalpel, Overall Length 125mm, Blade : L23×w4mm *New*		64,250
HA.HWB201.26	(5) Precision Knife / Scalpel, Overall Length 129mm, Blade : L26×w3mm		70,600

Hammacher® Premium Dissecting Bellied-type Scalpel, with Wooden Handle, L129~156mm

For Lab, Stainless-steel 420, <Germany-Made> 프리미엄 해부 메스, 독일제, 비부식, 랩용



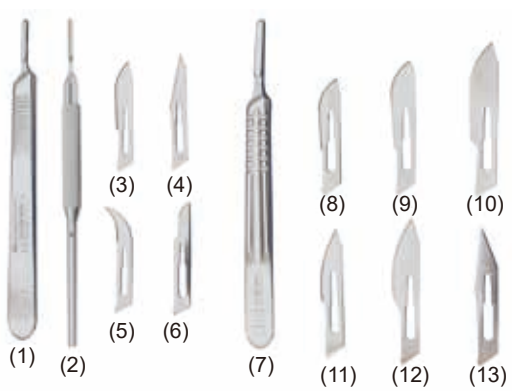
■ *Germany-made 프리미엄급*
∗ with Wooden Handle, Non-Autoclavable

<L1>

		Ea.	Price, ₩
HA.HSB715.25	(1) Scalpel, Overall Length 129mm, Blade : L27×w7mm		69,950
HA.HSB716.30	(2) 132mm, Blade : L30×w8mm		69,950
HA.HSB717.35	(3) 135mm, Blade : L36×w9mm		69,950
HA.HSB718.40	(4) 136mm, Blade : L37×w9mm		69,950
HA.HSB719.45	(5) 156mm, Blade : L46×w11mm		69,950

Hammacher® Premium Dissecting Scalpel Blade & Handle, for Lab

Excellent for Cutting & Dissection, <Germany-Made> 프리미엄 해부 메스 블레이드 및 핸들, 독일제, 랩용



■ *Germany-made 프리미엄급* ■ *메스날/칼날을 핸들에 장착하여 사용하며 분리가 가능*
∗ Blade ; Made of Carbon Steel(125Cr1), In Single Peel Pack
∗ Handle ; Made of Stainless-steel 430

<L1>

		Pk.	Price, ₩
HA.HSB805.03	(1) **Scalpel Handle, No.3,** for (3)~(6) Blades, L125mm	1ea	20,540
HA.HSB808.16	(2) **, No.16,** for (3)~(6) Blades, L160mm *New*	1ea	61,250
HA.HSB704.10	(3) **Scalpel Blade,** fig.10, Non Sterile	100ea	57,140
HA.HSB705.11	(4) 11, Non Sterile	100ea	57,140
HA.HSB706.12	(5) 12, Non Sterile	100ea	57,140
HA.HSB707.15	(6) 15, Non Sterile	100ea	57,140
HA.HSB820.04	(7) **Scalpel Handle, No.4,** for (8) ~ (13) Blades, L135mm	1ea	23,170
HA.HSB709.20	(8) **Scalpel Blade,** fig.20, Non Sterile	100ea	57,140
HA.HSB710.21	(9) 21, Non Sterile	100ea	57,140
HA.HSB711.22	(10) 22, Non Sterile	100ea	57,140
HA.HSB712.23	(11) 23, Non Sterile	100ea	57,140
HA.HSB713.24	(12) 24, Non Sterile	100ea	57,140
HA.HSB714.25	(13) 25, Non Sterile	100ea	57,140

Hammacher® Premium Scalpel Blade Remover, Rustproof Stainless-steel

Kling-EX, Easy and Safe, <Germany-Made> 프리미엄 메스 블레이드 제거기, 독일제, 비부식



■ *Germany-made 프리미엄급, 비부식스텐(18/8 크롬·니켈) 제품; 비부식, 내산성 / 내약품성 / 내열성 우수*
■ *Rustproof Stainless-steel of 18/8 Cr-Ni; Rust-proof, Excellent Resistance to Acid / Chemicals / Heat*
■ *How to use ;* ① **Insert Scalpel with Blade through Opening in tool and**
② **Press Together Sides of Tool Towards Blade to**
③ **Dislodge Blade from Scalpel.**

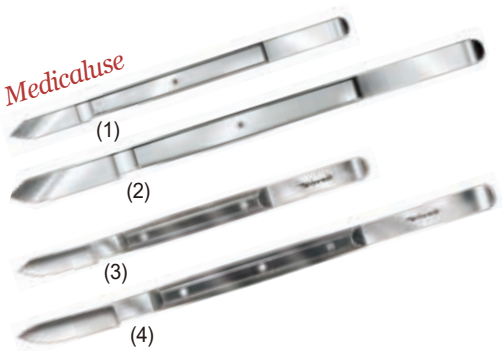
<L1>

		Ea.	Price, ₩
HA.HWB300.00	Scalpel Blade Remover, Kling-EX		28,090

Articles	Cat. No	Description

Hammacher® Premium L130 & 175mm Wax Knife, *Medicaluse*

1. All Stainless-steel and 2. Wood Handle, Stainless-steel, <Germany-Made> 프리미엄 왁스나이프, 독일제 의료용, 비부식



■ *Germany-made 프리미엄급, 의료용 왁스나이프, 석고 혼합 및 조각에 적합*

1. *Medicaluse* All Rustproof Stainless-steel, 의료용 비부식 올스텐형

<M1>

∗ Made of Stainless-steel DIN 1.4117

		Ea.	Price, ₩
HA.HSL108.13	(1) Wax Knife, All-metal, Overall L130mm, Blade L26×w6mm		60,770
HA.HSL109.17	(2) , Overall L175mm, Blade L37×w8mm		62,400

2. With Wood Handle, 우드핸들형, 비부식스텐

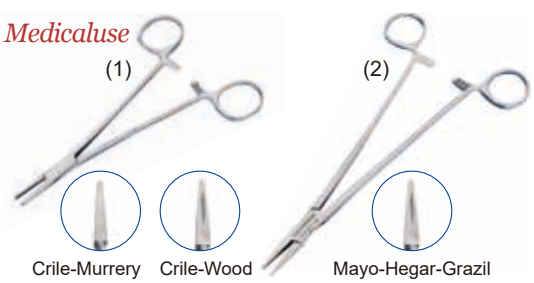
<L1>

∗ Made of Stainless-steel 410 ∗ Good for Dental- & Medical-Laboratory
∗ With Excellent Wood Handle for Easy Grip, Non-Autoclavable

		Ea.	Price, ₩
HA.HSL112.13	(3) Wax Knife, Overall L130mm, Blade L27×w5mm		53,220
HA.HSL115.17	(4) , Overall L175mm, Blade L37×w7mm		53,870

Hammacher® Premium Dissecting Needle Holder, with Serrated Jaws, L150~200mm, *Medicaluse*

Crile · Grazil · Hegar · Mayo · Murrey · Wood-Needle Holder, Stainless-steel 420, <Germany-Made> 프리미엄 니들홀더/지침기, 독일제 의료용, 비부식



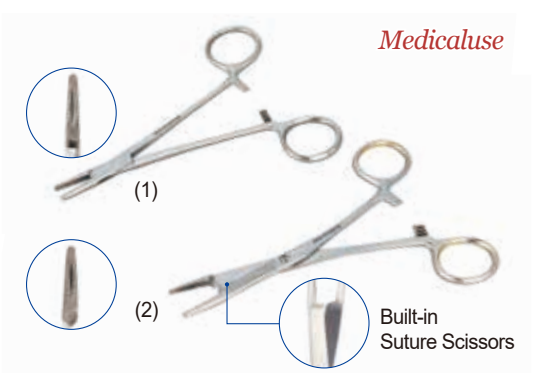
■ *Germany-made 프리미엄급; 비부식, 고강도, 고경도, 내약품성*
■ *니들을 잡고 가이드 하기 위해 일반적으로 사용*
■ *Surgical Stainless-steel 420: Rust-proof, High-Strength/Hardness, Chemical Resistance*

<M1>

		Ea.	Price, ₩
HA.HSD083.15	(1) Needle Holder, Crile-Murrey, L150mm		106,770
HA.HSD084.15	, Crile-Wood, L150mm		127,890
HA.HSD097.16	(2) Needle Holder, Delicate, Mayo-Hegar-Grazil, L160mm		113,790
HA.HSD098.18	, L180mm		118,140
HA.HSD099.20	, L200mm		121,200

Webster & *Olsen* Needle Holder, L135 & 140mm, *Medicaluse*

With Serrated-Jaws, Stainless-steel 410, *웹스터* & *올슨* 니들홀더/지침기, 의료용, 비부식



■ *Stainless-steel 410 : 비부식, 고강도, 고경도, 내약품성* ■ *니들을 잡고 가이드 하기 위해 사용*
∗ Rust-proof, High-Strength/Hardness, Chemical Resistance

(1) Webster Needle Holder, L135mm

∗ 성형외과, 피부과, 안과 등 작은 부위에 니들을 사용할 경우 적합
∗ Used for Microsurgery, Eye Surgery and Plastic Surgery or Subcutaneous Procedures
∗ Used with Small Needles and Fine Suture Material

<M1>

		Ea.	Price, ₩
DM.Ned7001	Needle Holder, Stainless-steel, Webster, L135mm		15,050

(2) Olsen Needle Holder, with Built-in Suture Scissors, L140mm

∗ 니들 홀더와 가위 두 가지 기능으로 사용

		Ea.	Price, ₩
DM.Ned7002	Needle Holder, Stainless-steel, Olsen, L140mm		27,570

Hammacher® Premium *Mathieu-Kocher* & *Mathieu* Needle Holder, L140mm, *Medicaluse*

With Slender Jaws, Spring Action, Stainless-steel 420, <Germany-Made> 프리미엄 *매튜-코카* & *매튜* 니들홀더/지침기, 독일제 의료용, 비부식



■ *Germany-made 프리미엄급; 비부식, 고강도, 고경도, 내약품성* ■ *니들을 잡고 가이드 하는데 사용*
■ *Surgical Stainless-steel 420: Rust-proof, High-Strength/Hardness, Chemical Resistance*

<M1>

		Ea.	Price, ₩
HA.HSD005.14	(1) Needle Holder, SS, Mathieu-Kocher, L140mm		99,500
HA.HSD009.14	(2) , Mathieu, L140mm		98,530

Castroviejo Needle Holder, with Smooth-Jaws, L145mm, *Medicaluse*

For Microsurgery, Spring Action, Stainless-steel 410, *카스트로비조* 니들홀더/지침기, 의료용, 비부식



■ *Stainless-steel 410 : 비부식, 고강도, 고경도, 내약품성* ■ *니들을 잡고 가이드하기 위해 사용*
■ *이중 스프링 구조, 미세 정밀 수술은 물론 그립감이 좋아 일반 지침기로도 다양하게 사용*

<M1>

∗ Stainless-steel 410 : Rust-proof, High-Strength/Hardness, Chemical Resistance

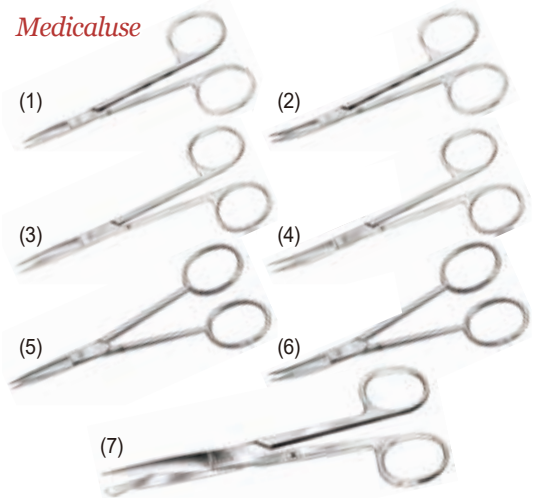
		Ea.	Price, ₩
DM.Ned7003	Needle Holder, Stainless-steel, Castroviejo, L145mm		50,070

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description

Hammacher® Premium Microscopic Operating Scissors, L90~145mm, *Medicaluse*

With Sharp-Sharp & Probe Pointed Tip, Very Delicate, Stainless-steel 420, <Germany-Made> 프리미엄 정밀 미세 수술용 가위, 독일제 의료용, 비부식



- *Germany-made 프리미엄급; 비부식, 고강도, 고경도, 내약품성*
- *인체조직의 절단 및 절개 등에 사용*
- *Surgical Stainless-steel 420: Rust-proof, High-Strength/Hardness, Chemical Resistance*
- *The Scissors are deliverable also with "MICRO-TOOTHING", i.e. Handy Cutting, No Slipping Off.*

〈M1〉

		Ea.	Price, ₩
HA.HSB002.09	(1) Operating Scissors, Angular Handle, Straight, L90mm		39,420
HA.HSB010.10	, L105mm		45,900
HA.HSB012.11	, L115mm		60,700
HA.HSB003.09	(2) Operating Scissors, Angular Handle, Curved, L90mm		42,530
HA.HSB011.10	, L105mm		47,880
HA.HSB013.11	, L115mm		62,140
HA.HSB014.11	(3) Operating Scissors, Round Handle, Straight, L115mm		61,620
HA.HSB015.11	(4) , Curved, L115mm		63,240
HA.HSB006.10	(5) Operating Scissors, Delicate, Straight, L110mm		66,850
HA.HSB007.10	(6) , Curved, L110mm		70,440
HA.HSB138.14	(7) Incision Scissors, Probe Pointed Tip, Straight, L145mm		66,990

Hammacher® Premium Micro Dissecting Scissors, Wironit™ Special Non-magnetic/Rust-free Stainless-steel, L110mm

With Sharp-Sharp Tip, Highest Elasticity and Toughness, <Germany-Made> 프리미엄 마이크로 해부용 가위, 독일제, 비자성/비부식 특수스텐



(1) Straight (2) Light Curved (3) Full Curved

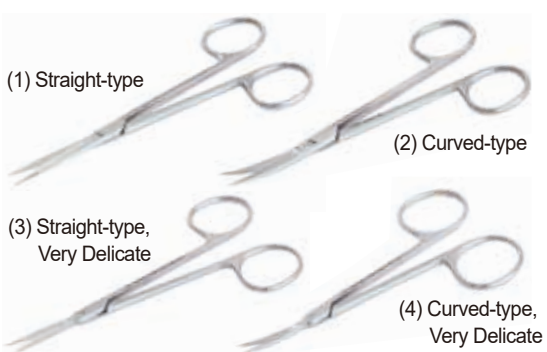
- *Germany-made 프리미엄급, Wironit™ 특수스텐(18/12 크롬·니켈) 제품 ; 비자성, 비부식, 내산성 / 내약품성 / 내열성 우수*
- *Wironit™ Special Stainless-steel of 18/12 Cr-Ni; Non-magnetic, Rust-free, Excellent Resistance to Acid / Chemicals / Heat*
- *The Scissors are deliverable also with "MICRO-TOOTHING", i.e. Handy Cutting, No Slipping Off.*

〈L1〉

		Ea.	Price, ₩
HA.HWB002.11	(1) Micro Dissecting Scissors, Straight, L110mm		83,420
HA.HWB003.11	(2) , Light Curved, L110mm		88,500
HA.HWB005.11	(3) , Full Curved, L110mm		94,090

Hammacher® Premium Dissecting Scissors, Rustproof Stainless-steel, L115 & 120mm

With Sharp-Sharp Tip, Very Delicate, <Germany-Made> 프리미엄 미세 해부용 가위, 독일제, 비부식



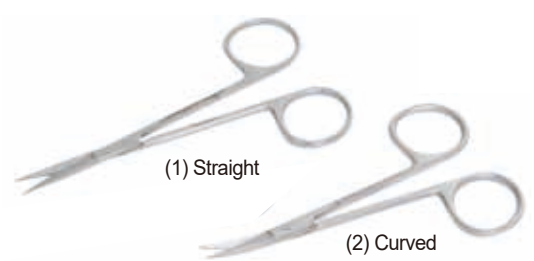
- *Germany-made 프리미엄급, 비부식스텐(18/8 크롬·니켈) 제품; 비부식, 내산성 / 내약품성 / 내열성 우수*
- *Rustproof Stainless-steel of 18/8 Cr-Ni; Rust-proof, Excellent Resistance to Acid / Chemicals / Heat*

〈L1〉

		Ea.	Price, ₩
HA.HSB022.12	(1) Dissecting Scissors, Straight, L120mm		63,880
HA.HSB023.12	(2) , Curved, L120mm		66,180
HA.HSB020.11	(3) Dissecting Scissors, Very Delicate, Straight, L115mm		86,850
HA.HSB021.11	(4) , Curved, L115mm		88,990

Hammacher® Premium Traditional Microscopic Scissors, Rustproof Stainless-steel, L90~130mm

With Sharp-Sharp Tip, Simple Type, <Germany-Made> 프리미엄 정밀 미세 가위, 독일제, 비부식



- *Germany-made 프리미엄급, 비부식스텐(18/8 크롬·니켈) 제품; 비부식, 내산성 / 내약품성 / 내열성 우수*
- *Rustproof Stainless-steel of 18/8 Cr-Ni; Rust-proof, Excellent Resistance to Acid / Chemicals / Heat*

〈L1〉

		Ea.	Price, ₩
HA.HSB942.09	(1) Microscopic Scissors, Straight, Sharp-Sharp, L90mm		12,820
HA.HSB942.11	, L115mm		13,320
HA.HSB942.13	, L130mm		15,940
HA.HSB943.09	(2) Microscopic Scissors, Curved, Sharp-Sharp, L90mm		14,790
HA.HSB943.11	, L115mm		15,120
HA.HSB943.13	, L130mm		16,280

Articles	Cat. No	Description

Hammacher® Premium Dissecting Set, Rustproof Stainless-steel, "HSO121.00" & "HSO120.00"

For Advanced Researchers, 5- & 8-Instrument in Wooden Case, <Germany-Made> 프리미엄 해부기 세트, 독일제, 비부식



(1) Dissecting Set, 8pcs, 5-Instrument



(2) Dissecting Set, 13pcs, 8-Instrument

■ *Germany-made 프리미엄급, 비부식스텐(18/8 크롬·니켈) 제품; 비부식, 내산성 / 내약품성 / 내열성 우수*
■ *Rustproof Stainless-steel of 18/8 Cr-Ni; Rust-proof, Excellent Resistance to Acid / Chemicals / Heat*
■ *Consist in Scalpels, Scissors, Forceps, Hook Retractor, Blow pipes & Needles*
■ *Designed for Advanced Researchers* ■ *All Components in Wooden Case*

∗ All Components can be Purchased Separately

〈L1〉

			Ea.	Price, ₩
(1) HA.HSO121.00		Dissecting Set, 5 Instrument - 8pcs		483,170
		Components of Set & Individual Prices		
		3 Scalpels : HSB715.25, HSB716.30, HSB719.45 -1Ea.		
HA.HSB138.14	*1pcs*	Incision Scissors, Straight, L145mm		66,990
HA.HSC048.10	*1pcs*	Dissecting Forceps, Straight, L105mm		27,100
HA.HSO095.10	*1pcs*	Hook Retractor : 4-Prongs, L100mm		37,280
HA.HSD464.12∗	*2pcs*	Suture Needles, 1/2 circle	12ea	39,920
(2) HA.HSO120.00		Dissecting Set, 8 Instrument - 13pcs		747,150
		Components of Set & Individual Prices		
		5 Scalpels : HSB715.25, HSB716.30, HSB717.35, HSB718.40, HSB719.45 -1Ea.		
HA.HSB717.35	*1pcs*	Dissecting Scalpel, L135mm, Blade : L36×w9mm		69,950
HA.HSB812.18	*1pcs*	Cartilage Knife, L166mm, Blade : L52×w10mm		73,370
HA.HSB138.14	*1pcs*	Incision Scissors, Straight, Sharp-probe Pointed, L145mm		66,990
HA.HSC048.10	*1pcs*	Dissecting Forceps, Straight, L105mm		27,100
HA.HSC184.10	*1pcs*	, Straight, Fine, L105mm		28,580
HA.HSO095.10	*1pcs*	Hook Retractor, 4-Prongs, L100mm		37,280
HA.HWP026.10	*1pcs*	Probe, Φ1.0×L130mm		13,320
HA.HSD464.12∗	*2pcs*	Suture Needles, 1/2 circle	12ea	39,920

∗ -mark : Can Purchase 12/pk. (Separate order)

※ NOTE! The Details of Components ⇒ See the Next Page!

Hammacher® Premium Microscopic Dissecting Set, Rustproof Stainless-steel, "HSO122.00" & "HSO123.00"

For Advanced Researchers, 5- & 11-Instruments in Wooden Case, <Germany-Made> 프리미엄 정밀 미세 해부기 세트, 독일제, 비부식



(3) Microscopic Dissecting Set, 16pcs, 11-Instrument



(4) Microscopic Dissecting Set, 5pcs, 5-Instrument

■ *Germany-made 프리미엄급, 비부식스텐(18/8 크롬·니켈) 제품; 비부식, 내산성 / 내약품성 / 내열성 우수*
■ *Rustproof Stainless-steel of 18/8 Cr-Ni; Rust-proof, Excellent Resistance to Acid / Chemicals / Heat*
■ *Consist in Scalpels, Scissors, Forceps, Lancets, Hook Retractor, Blow pipes & Needles*
■ *Designed for Advanced Researchers*

∗ All Components can be Purchased Separately

〈L1〉

			Ea.	Price, ₩
(3) HA.HSO122.00		Microscopic Dissecting Set, 16pcs		847,950
		Components of Set & Individual Prices		
		5 Scalpels : HSB715.25, HSB716.30, HSB717.35, HSB718.40, HSB719.45 -1Ea.		
HA.HSB717.35	*1pcs*	Dissecting Scalpel, L135mm, Blade : L36×w9mm		69,950
HA.HSB812.18	*1pcs*	Cartilage Knife, L180mm		73,370
HA.HSC048.10	*1pcs*	Dissecting Forceps, Straight, L105mm		27,100
HA.HSC550.10	*1pcs*	Microscopic Forceps, Straight, L105mm		40,240
HA.HSK257.04	*1pcs*	Chisel, L115mm, End-width 4mm		56,830
HA.HSB084.11	*1pcs*	Dissecting Scissors, Straight, Sharp-blunt, L115mm		61,740
HA.HSB006.10	*1pcs*	Microscopic Scissors, Straight, Sharp-sharp, L110mm		66,850
HA.HSO102.01	*1pcs*	Dissecting Needle with Plastic Handle, L142mm		6,420
HA.HSO104.03	*1pcs*	Dissecting Lancet with Plastic Handle, L140mm		12,990
HA.HSO095.10	*1pcs*	Hook Retractor, L100mm		37,280
HA.HWP026.10	*1pcs*	Probe, Φ1.0×L130mm		13,320
HA.HWP029.10	*1pcs*	, Φ1.0×L145mm		13,320
(4) HA.HSO123.00		Microscopic Dissecting Set, 5pcs		263,030
		Components of Set & Individual Prices		
HA.HSB007.10	*1pcs*	Microscopic Scissors, Curved, Sharp-sharp, L110mm		70,440
HA.HSB717.35	*1pcs*	Dissecting Scalpel, L135mm, Blade : L36×w9mm		69,950
HA.HSC550.10	*1pcs*	Microscopic Forceps, Straight, L105mm		40,240
HA.HSO102.01	*1pcs*	Dissecting Needle with Plastic Handle, L142mm		6,420
HA.HSO104.03	*1pcs*	Dissecting Lancet with Plastic Handle, L140mm		12,990

※ NOTE! The Details of Components ⇒ See the Next Page!

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description

Hammacher® Premium Precision Micro Dissecting Set, Rustproof Stainless-steel, "HSO001.10"

For Advanced Researchers, 10-Instrument in Wooden Case, <Germany-Made> 프리미엄 마이크로 해부기 세트, 독일제, 비부식



Micro Dissecting Set, 10-Instrument

■ *Germany-made 프리미엄급, 비부식스텐(18/8 크롬·니켈) 제품; 비부식, 내산성 / 내약품성 / 내열성 우수*
■ *Rustproof Stainless-steel of 18/8 Cr-Ni; Rust-proof, Excellent Resistance to Acid / Chemicals / Heat*
■ *Consist in Scalpels, Chisel, Forceps, Hook Retractor & Needles*

∗ All Components can be Purchased Separately

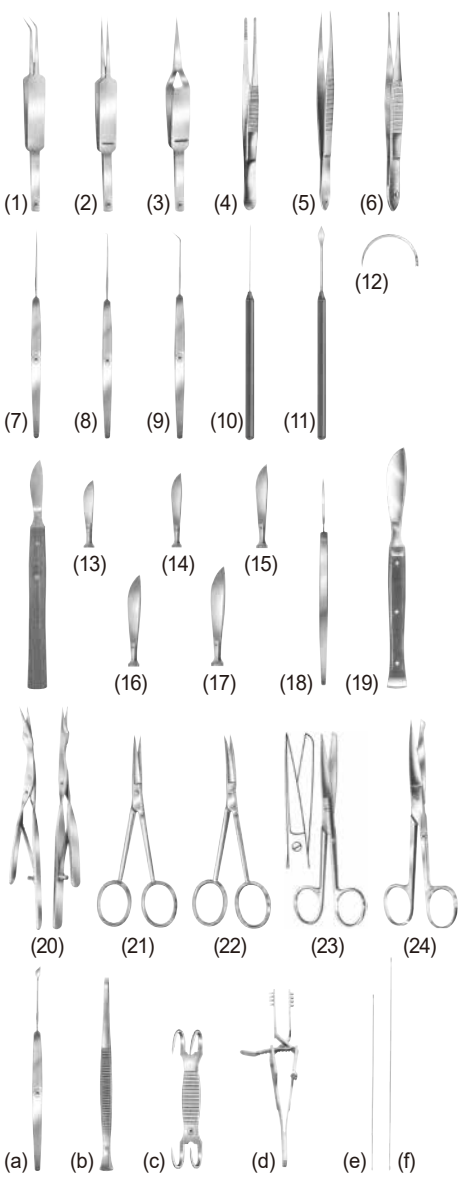
〈L1〉

		Ea. Price, ₩
HA.HSO001.10	Micro Dissecting Set, 10 Instrument -10pcs	1,212,900
	Components of Set & Individual Prices	
HA.HSB800.12	***1pcs*** Micro Scalpel, L155mm, Blade : L27×w2mm	117,570
HA.HSO003.12	***1pcs*** Dissecting Chisel, L125mm	58,950
HA.HSO004.13	***1pcs*** Dissecting Needle, Fine, L130mm	36,950
HA.HSO005.13	***1pcs*** , Hook-shaped, L130mm	40,890
HA.HSO007.13	***1pcs*** , Angled, L130mm	44,180
HA.HSO006.10	***1pcs*** Retractor, L100mm	122,170
HA.HSO008.15	***1pcs*** Micro Dissecting Scissors, Extra Fine, L150mm	528,480
HA.HSO009.10	***1pcs*** Micro Dissecting Forceps, Curved, L100mm	74,720
HA.HSO010.10	***1pcs*** , Straight, L100mm	69,950
HA.HSO012.10	***1pcs*** , Cross Action, L100mm	79,300

※ NOTE! The Details of Components ⇒ See the Followings!

Hammacher® Premium Components, for the Dissecting Sets of "HSO001.10", "HSO120.00", "HSO121.00", "HSO122.00" & "HSO123.00"

<Germany-Made> 프리미엄 해부기 세트 구성품들, 독일제, 비부식



■ *Germany-made 프리미엄급, 비부식스텐(18/8 크롬·니켈) 제품; 비부식, 내산성 / 내약품성 / 내열성 우수*
■ *Rustproof Stainless-steel of 18/8 Cr-Ni; Rust-proof, Excellent Resistance to Acid / Chemicals / Heat*

〈L1〉

1. Forceps

		Ea. Price, ₩
HA.HSO009.10	(1) Micro-dissecting Forceps, Curved, L100mm	74,720
HA.HSO010.10	(2) , Straight, L100mm	69,950
HA.HSO012.10	(3) , Cross Action, L100mm	79,300
HA.HSC048.10	(4) , Straight, L105mm	27,100
HA.HSC184.10	(5) , Fine, L105mm	28,580
HA.HSC550.10	(6) Microscopic Forceps, Straight, L105mm	40,240

2. Needle

HA.HSO004.13	(7) Dissecting Needle, Fine, L130mm	36,950
HA.HSO005.13	(8) , Hook Shaped,130mm	40,890
HA.HSO007.13	(9) , Angled, L130mm	44,180
HA.HSO102.01	(10) , with Plastic Handle, L142mm	6,420
HA.HSO104.03	(11) Dissecting Lancet, with Plastic Handle, L140mm	12,990
HA.HSD464.12	(12) Suture Needles, 1/2 Circle, 12ea/Pk	39,920

3. Scalpel/Knife

HA.HSB715.25	(13) Scalpel, Overall Length 129mm, Blade : L27×w7mm	69,950
HA.HSB716.30	(14) 132mm, Blade : L30×w8mm	69,950
HA.HSB717.35	(15) 135mm, Blade : L36×w9mm	69,950
HA.HSB718.40	(16) 136mm, Blade : L37×w9mm	69,950
HA.HSB719.45	(17) 156mm, Blade : L46×w11mm	69,950
HA.HSB800.12	(18) Micro Scalpel, Overall Length 128mm, Blade : L27×w2mm	117,570
HA.HSB812.18	(19) Cartilage Knife with Raspatory, Wooden Handle, Overall Length 166mm, Blade : L52×w10mm	73,370

4. Scissors

HA.HSO008.15	(20) Micro Dissecting Scissors, Straight, Extra Fine, L150mm	528,480
HA.HSB006.10	(21) Microscopic Scissors, Straight, Sharp-sharp, L110mm	66,850
HA.HSB007.10	(22) , Curved, Sharp-sharp, L110mm	70,440
HA.HSB084.11	(23) Dissecting, Scissors, Straight, Sharp-blunt, L115mm	61,740
HA.HSB138.14	(24) Incision Scissors, Straight, Sharp-Probe Pointed, L145mm	66,990

5. Others ; Chisel, Tenaculum, Retractor, and Probe

HA.HSO003.12	(a) Dissecting Chisel, L125mm	58,950
HA.HSK257.04	(b) Chisel, End-width 4mm, L115mm	56,830
HA.HSO095.10	(c) Hook Retractor, 4-Prongs, L100mm	37,280
HA.HSO006.10	(d) Retractor, L100mm	122,170
HA.HWP026.10	(e) Probe, Φ1.0×130mm	13,320
HA.HWP029.10	(f) , Φ1.0×145mm	13,320

Articles	Cat. No	Description

Hammacher® Premium Basic Animal Experiments Set, Rustproof Stainless-steel, "HSO119.00"

For Biology and Anatomy Researchers, 8-Instrument in Zipper Case, <Germany-Made> 프리미엄 동물 실험용 해부기 세트, 독일제, 비부식



Basic Animal Experiments Set, 8-Instrument

- ***Germany-made 프리미엄급, 비부식스텐(18/8 크롬·니켈) 제품; 비부식, 내산성 / 내약품성 / 내열성 우수***
- ***Rustproof Stainless-steel of 18/8 Cr-Ni; Rust-proof, Excellent Resistance to Acid / Chemicals / Heat***
- ***Consist in Scissors, Blades, Scalpel Handle, Forceps, Needle Holder, Serrefines, Cuticle Nippers and Bone Cutting Forceps***
- ***Designed for Biology, Medicine, Anatomy and General Lab. Researchers***

∗ All Components can be Purchased Separately

〈L1〉

		Ea.	Price, ₩
HA.HSO119.00	Basic Animal Experiments Set, in Zipper Case		732,040
	Components of Set & Individual Prices		
HA.HSB010.10	***1pcs*** Microscopic Scissors, Straight, L105mm		45,900
HA.HSB500.09	***1pcs*** Miniature Scissors L90mm, Cutting L10mm		320,380
HA.HSB705.11∗	***10pcs*** Scalpel Blades, no Sterile, for Medical, No.11	100ea	57,140
HA.HSB805.03	***1pcs*** Scalpel Handle, No. 3, L125mm		20,540
HA.HSC552.11	***1pcs*** Microscopic Forceps, Straight, L115mm		41,230
HA.HSD009.14	***1pcs*** Mathieu Needle Holder, L140mm		98,530
HA.HSE004.35	***2pcs*** Serrefine, Straight, L35mm		69,290
HA.HSM076.10	***1pcs*** Cuticle Nippers and Bone Cutting Forceps, L105mm		110,020

∗-mark : Can Purchase 100/pk. (Separate order)

Hammacher® Premium Basic Experiments Set, Wironit™ & Rustproof Stainless-steel , "HSO128.00"

For Biologist, 5-Instrument in Plastics Case, Highest Elasticity and Toughness, <Germany-Made> 프리미엄 생물학용 기본 실험 세트, 독일제, 비부식



Basic Experiments Set, 5-Instrument

- ***Germany-made 프리미엄급, Wironit™ 특수스텐(니들·루프) & Rustproof 스텐 (포셉·가위)제품***
- ***Forceps & Scissors : Rustproof Stainless-steel of 18/8 Cr-Ni ; Rust-proof, Excellent Resistance to Acid / Chemicals / Heat***
- ***Needle & Loop : Wironit™ Special Stainless-steel of 18/12 Cr-Ni ; Non-magnetic, Rust-free, Excellent Resistance to Acid / Chemicals / Heat***
- ***Consist in Forceps, Needle, Loop, Blade and Scissors***
- ***Designed for Biology, Medicine, Biochemistry and General Lab. Researchers***

∗ All Components can be Purchased Separately

〈L1〉

		Ea.	Price, ₩
HA.HSO128.00	Basic Experiments Set, 5 Instrument -5pcs		169,930
	Components of Set & Individual Prices		
	1 Scalpel : HA.HSB716.30(1ea)		
HA.HSC188.13	***1pcs*** Preparation Forceps, Fine, Straight, L130mm		34,830
HA.HWO008.14	***1pcs*** Dissecting Needle, Wironit, Straight, L140mm		12,990
HA.HWO072.20	***1pcs*** Specimen Loop Wironit, L200mm		21,520
HA.HSB010.10	***1pcs*** Microscopic Scissors, Straight, L105mm		45,900

Hammacher® Premium Biologist Set, Rustproof Stainless-steel, "HSO130.00"

For Students · General Lab. Researchers, 7-Instrument in Plastic Case, <Germany-Made> 프리미엄 경제형 생물학용 실험 세트, 독일제, 비부식



Biologist Set for students, 7-Instrument

- ***Germany-made 프리미엄급, 비부식스텐(18/8 크롬·니켈) 제품; 비부식, 내산성 / 내약품성 / 내열성 우수***
- ***Rustproof Stainless-steel of 18/8 Cr-Ni; Rust-proof, Excellent Resistance to Acid / Chemicals / Heat***
- ***Consist in Scalpel Handle, Scalpel Blade, Scissors, and Needles***

∗ All Components can be Purchased Separately

〈L1〉

		Ea.	Price, ₩
HA.HSO130.00	Biologist Set for Students, 7-Instrument -15pcs		69,790
	Components of Set & Individual Prices		
HA.HSB805.03	***1pcs*** Scalpel Handle, No. 3, L125mm		20,540
HA.HSB704.10∗	***5pcs*** Scalpel Blades, Non Sterile, for Medical, Curved Cutting Edge	100ea	57,140
HA.HSB707.15∗	***5pcs*** Scalpel Blades, Non Sterile, for Medical, Small Curved Cutting Edge	100ea	57,140
HA.HSB942.11	***1pcs*** Microscopic Scissors, Straight, Sharp-sharp, L115mm		13,320
HA.HSC801.11	***1pcs*** Forceps, Sharp, Simple, L115mm		16,430
HA.HSO104.03	***1pcs*** Dissecting Lancet with Plastic Handle		12,990
HA.HSO102.01	***1pcs*** Dissecting Needle with Plastic Handle		6,420

∗-mark : Can Purchase 100/pk. (Separate order)

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description

Hammacher® Premium Small Chemist Set, Rustproof Stainless-steel, "HSO125.00"

For Chemistry and General Lab. Researchers, 5-Instrument in Plastic Case, <Germany-Made> 프리미엄 화학용 기본 실험 세트, 독일제, 비부식



Small Chemist Set, 5-Instrument

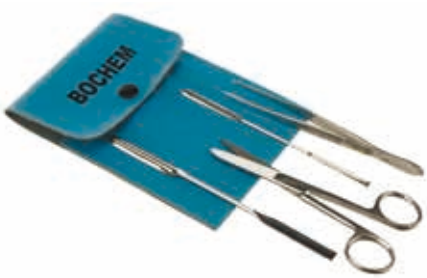
■ *Germany-made 프리미엄급, 비부식스텐(18/8 크롬·니켈) 제품; 비부식, 내산성 / 내약품성 / 내열성 우수*
■ *Rustproof Stainless-steel of 18/8 Cr-Ni; Rust-proof, Excellent Resistance to Acid / Chemicals / Heat*
■ *Consist in Spatulas, Scissors, Spoon and Forceps*
∗ All Components can be Purchased Separately

〈L1〉

		Ea. Price, ₩
HA.HSO125.00	Small Chemist Set, 5-Instrument -5pcs	59,290
	Components of Set & Individual Prices	
HA.HSB954.14	***1pcs*** Scissors, Sharp-Sharp, Straight, L140mm	21,370
HA.HSN022.15	***1pcs*** Micro Powder Spatula, L150mm	8,070
HA.HSN068.15	***1pcs*** Spatula, Double-ended, Flexible, L150mm	5,930
HA.HSN404.15	***1pcs*** Spoon-spatula, L150mm	7,080
HA.HSC809.13	***1pcs*** Thump Forceps, Simple Type, L130mm	14,300

Bochem® Dissecting Laboratory Set, High Grade Stainless-steel, with 4-Instrument in Case

For the First Works in the Laboratory, Finished Surface, 기본 실험 세트, 비자성/비부식



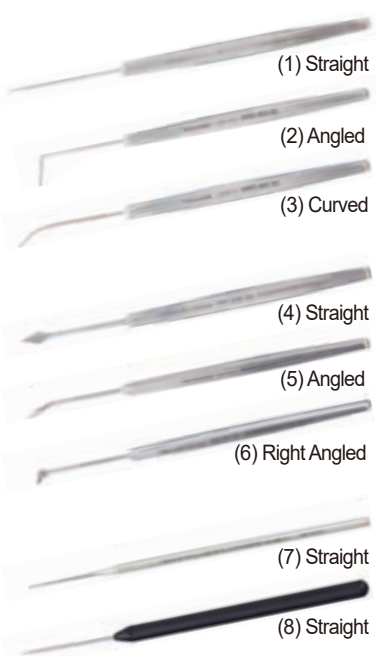
■ *Supplied by Bochem® in Germany*
■ *특급 스텐 (18/10 크롬·니켈) 제품; 비자성, 비부식, 내산성 / 내약품성 / 내열성-우수*
■ *High Grade Stainless-steel of 18/10 Cr-Ni; Non-magnetic, Rust-free, Excellent Resistance to Acid / Chemicals / Heat*
■ *Complete Set : ① Dressing Scissors(4100), ② Micro Spatula, Double(3017), ③ Forceps, Sharp(1012), ④ Micro Scoop, Half Rounded(3303)*

〈L1〉

		Ea. Price, ₩
BC.33999	Dissecting Laboratory Set, 4pcs	46,200
	Components of Set & Individual Prices	
BC.4100	Dressing Scissors, Stainless-steel, L130mm	13,500
BC.3017	Micro Spatula, Double, Stainless-steel, L130mm	5,000
BC.1012	Forceps, Sharp, with Guide-pin, Stainless-steel, L130mm	11,030
BC.3303	Micro Scoop, Half Rounded, Stainless-steel, L150mm	5,580

Hammacher® Premium Dissecting Needle, WIRONIT™ Special Non-magnetic/Rust-free Stainless-steel, with Handle, L140 & 160mm

With Straight · Bent · Lancet-model, Highest Elasticity and Toughness, <Germany-Made> 프리미엄 해부용 니들, 독일제, 비자성/비부식 특수스텐

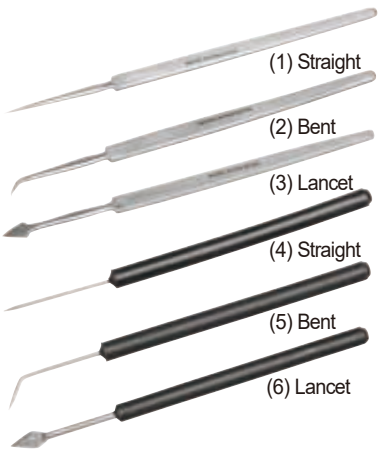


■ *Germany-made 프리미엄급; 비자성, 비부식, 내산성 / 내약품성 / 내열성 우수*
■ *Wironit™ Special Stainless-steel of 18/12 Cr-Ni ; Non-magnetic, Rust-free, Excellent Resistance to Acid / Chemicals / Heat*

〈L1〉

		Ea. Price, ₩
HA.HWO002.00	(1) Dissecting Needle, SS Handle, Straight, L140mm	21,370
HA.HWO001.00	(2) , Angled, L140mm	25,630
HA.HWO003.00	(3) , Curved, L140mm	25,140
HA.HWO004.00	(4) Dissecting Needle, SS Handle, Lancet Tip, Straight, L140mm	34,980
HA.HWO005.01	(5) , Angled, L140mm	38,750
HA.HWO007.02	(6) , Right Angled, L140mm	39,420
HA.HWO010.16	(7) Dissecting Needle, SS Handle, Straight, L160mm	19,720
HA.HWO008.14	(8) , Plastic Handle, Straight, L140mm	12,990

Articles	Cat. No	Description



Dissecting Needle, Stainless-steel, with Handle, L140mm
With Straight · Bent · Lancet-model, Rustproof, 해부용 니들

■ ***Supplied by SciLab Korea*** ∗ Made of Stainless-steel 410A, Melting Point-1,400℃, Finished Surface

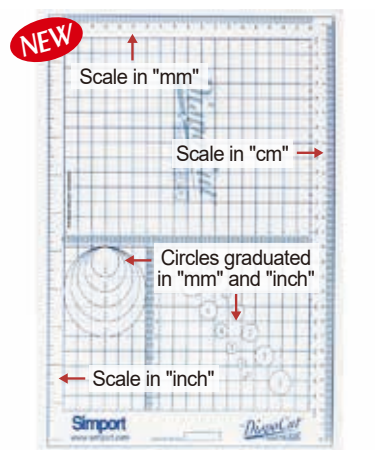
〈L1〉

1. With Stainless-steel Handle, 스텐 핸들형

		Ea.	Price, ₩
SL.Ned7015	(1) Dissecting Needle, with Stainless-steel Handle, Straight, L140mm		2,740
SL.Ned7016	(2) , Bent, L140mm		2,740
SL.Ned7017	(3) , Lancet, L140mm		2,740

2. With Plastic Handle, 플라스틱 핸들형

		Ea.	Price, ₩
SL.Ned7018	(4) Dissecting Needle, with Plastic Handle, Stainless-steel, Straight, L140mm		1,380
SL.Ned7019	(5) , Bent, L140mm		1,380
SL.Ned7020	(6) , Lancet, L140mm		1,380



Simport® DispoCut™ Disposable Dissecting Board, PP, Two-sided, Non-Autoclavable, −27℃+71℃
Ideal for Handling Infectious Tissue Specimens, Strong & Flexibility, <Canada-Made> 일회용 해부판

■ ***다양한 크기의 도형과 단위 눈금으로 사용하기가 편리함, 양면 사용 가능***
■ ***칼이 무뎌지지 않는 표면***
■ ***Can be Used on Both Sides***
■ ***Made of Polypropylene***
■ ***Ideal for Pathology Labs, Medical Schools, Classroom Dissections, Forensic Labs, Medical Research Labs, Pharmaceutical Labs, Surgery***

∗ Extrusion Made Using a Copolymer Resin for Increase Impact and Temperature Performance.
∗ Perfect for Use with Dissecting Pins
∗ Light Rubbing with Alcohol with No Effect on the Material

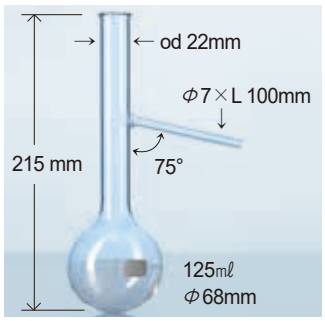
〈L1〉

		Pk.	Price, ₩	Cs.	Price, ₩
SP.M630.2	Dissecting Board, PP, Disposable, 229×305mm	12ea	119,370	4pk	454,700
SP.M630.3	, 305×483mm	12ea	230,140	2pk	438,350

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description

▶ Distillation Adapters and Tubes ⇒ See the "Adapters" & "Tubes" Section!

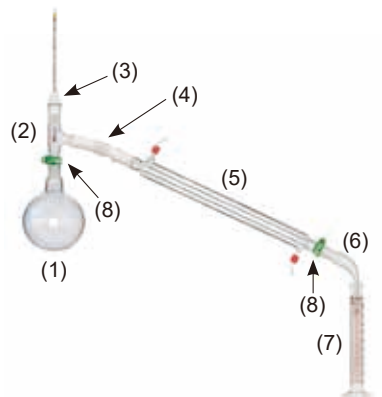


DURAN® Premium 125㎖ ASTM Distilling Flask
Made of Borosilicate Glass 3.3, ASTM E 133, ASTM 125㎖ 증류 플라스크

■ ***Supplied By DURAN® in Germany***
■ ***ASTM E 133 : (1) Flask Φ68mm-125㎖***
(2) Main Stem od 22×id 18mm
(3) 75° Angled Side Arm Φ7×L100mm

〈L1〉

		Ea. Price, ₩	Pk.	Pk. Price, ₩
DU.2165328	Flask, ASTM, Distilling, 125㎖, Φ68×h215mm	39,400	10ea	382,140



SciLab® Boiling Point Apparatus, 100~1,000㎖ Set, 비점 측정장치

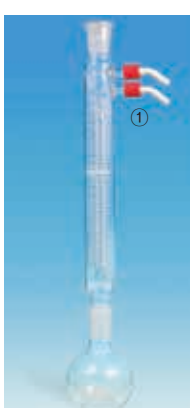
■ ***Supplied by SciLab Korea*** ■ ***Made of Boro Glass 3.3***
■ ***Custom-Made Available / 규격 외 Items 자유롭게 주문하세요!*** ∗ Separately Thermometer

〈L1〉

		Ea. Price, ₩
SL.App2026	Boiling Point apparatus, 24/40 Joint, 100㎖ set	232,990
SL.App2027	, 500㎖ set	235,230
SL.App2028	, 1,000㎖ set	239,490

Component Parts

(1) "SL.Fla2180~2183" : Round Bottom Joint Flask, 24/40
(2) "SL.Ada2266" : Still Head Adapter, 24/40
(3) "SL.Ada402" : PTFE Thermometer Holder, 24/40
(4) "CW.008.2424" : Connect bellow 24/40 Socket/Cone #
(5) "SL.Con2033" : Liebig Condenser 40cm, GL14, 24/40
(6) "SL.Ada2152" : Receiver / Delivery Adapter, 24/40
(7) "WI.3705010" : Grauated Cylinder 100/0.1㎖
(8) "SM.28633650" : Clamp POM, for Taper Joint 24 Green×2



(1) F/B Flat Bottom Flask



(2) Erlenmeyer Flask

C.O.D Distilling Apparatus, with 40cm Safety Dimroth Condenser
With ASTM-24/40 Joints, Safety Types, 250 or 300㎖ Set, C.O.D 증류장치

■ ***Supplied by SciLab Korea*** ■ ***Custom-Made Available / 규격 외 Items 자유롭게 주문하세요!***

(1) With Flat Bottom Flask, 250 or 300㎖ Set

		Ea. Price,₩
SL.App2030	250㎖ set, 24/40	75,640
SL.App2031	300㎖ set, 24/40	68,870

(2) With Erlenmeyer Flask, 300㎖ Set

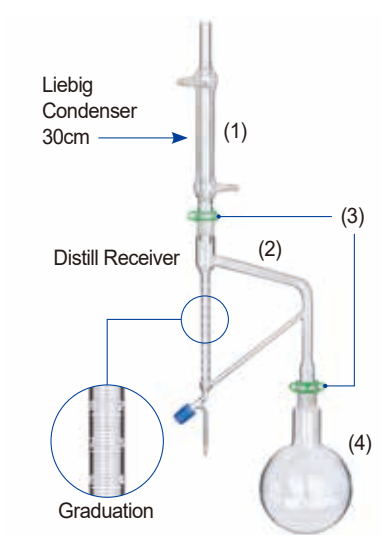
〈L1〉

		Ea. Price,₩
SL.App2034	300㎖ set, 24/40	67,200

Spare Components

〈L6〉

		Ea. Price,₩
SL.Con2044	Safety Dimroth Condenser GL14, Safety PP Connector, 24/40, 40cm	61,800
SL.Fla2155	Flat Bottom Flask, 250㎖, 24/40	16,900
SL.Fla2156	, 300㎖, 24/40	16,950
SL.Fla2117	Erlenmeyer Flask, 300㎖, 24/40	21,990
SL.Con3041	① High-Temp GL14 PBT Screw Kit *New*	2,350

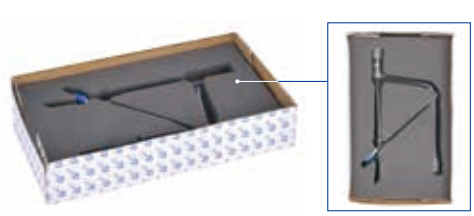


Oil Determination Apparatus, for Oil Lighter than Water, with 30cm Condenser
With Dean Stark 10 / 0.1㎖ Receiver and Flask 1,000㎖, Clevenger Type, 오일측정장치

■ ***Safety Packaging; Each Components are Individually Packaged in Hardboard Box.***
■ ***Components : (1) 24/29 Liebig Condenser 300mm***
(2) 10 / 0.1㎖ Fine Graduated "Dean-stark" Receiver with PTFE Plug Stopcock
(3) 24 Joint Clip ***(4) 24/29 Round Bottom Flask 1,000㎖***
∗ Overrall Height; Approx : 90cm ∗ Made of Boro-glass 3.3

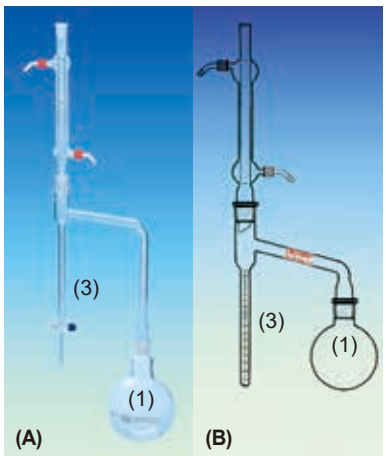
〈L1〉

		Ea. Price, ₩
GL.227.202.01	Oil Determination Apparatus, Set with 1000㎖ Flask, 10 / 0.1㎖ Reciver, and 30cm Condenser	126,650



▶ **(2) Dean-stark Receiver is Packaged with Safety Sponge Packaging to Prevent Breakage.**

Articles	Cat. No	Description



Water Determination Apparatus "Dean-Stark", with ASTM 24/40 Joints
Ideal for Moisture Test, 500㎖ Flask, 10㎖ Receiver, 수분측정장치

■ ***Supplied by SciLab Korea***
■ ***Custom-Made Available / 규격 외 Items 자유롭게 주문하세요!***
∗ ASTM D95.99
∗ Use : Use in the Determination of water in Petroleum & Bituminous materials Liebig Condenser
∗ Consist of : **A & B** - (1) 500㎖ 24/40 Joint Flask
(2) L 30cm 24/40 Joint Liebig Condenser
(3) 10㎖ Measuring Receiver : 0~2㎖(0.1㎖) / 2~10㎖(0.2㎖)

〈L1〉

(A) With PTFE-plug Stopcocked 10㎖ Receiver

		Ea. Price,₩
SL.App2011	Water Determin Appa, PTFE Cock, 10㎖ Trap, 500㎖, 24/40	170,900

(B) With None Stopcock 10㎖ Receiver

		Ea. Price,₩
SL.App2013	Water Determin Appa, 10㎖ Trap, 500㎖, 24/40	129,100


Distillation Receiver

Distilling Receiver, with ASTM & DIN Joints, for Moisture Test, 10㎖ & 20㎖
With "DEAN-STARK", Fine Graduation, 딘스탁 증류 수기

■ ***Supplied by SciLab Korea*** ■ ***Custom-Made Available / 규격 외 Items 자유롭게 주문하세요!***
∗ Burrett-type Usually Used in the Determination of Water in Petroleum or Bituminous Products.
∗ Graduated : 10㎖ (0~10×0.1㎖), 20㎖(0~3×0.2㎖, 3~20×0.5㎖)

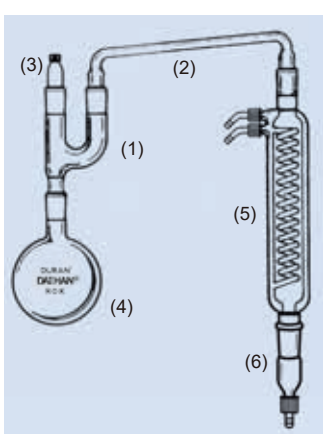
(1) with PTFE-plug Stopcock, 10㎖ & 20㎖

〈L1〉

① with ASTM Joint		Ea. Price,₩	② with DIN Joint		Ea. Price,₩
SL.Ada2221	ASTM-24/40, 10㎖	62,070	**SL.Ada2223.0**	DIN-24/29, 10㎖	62,070
SL.Ada2222	, 20㎖	64,900	**SL.Ada2224.0**	, 20㎖	64,900

(2) without Stopcock, 10㎖

① with ASTM Joint		Ea. Price,₩	② with DIN Joint		Ea. Price,₩
SL.Ada2226	ASTM-24/40, 10㎖	43,020	**SL.Ada2227.0**	DIN-24/29, 10㎖	43,020



SciLab® DURAN glass Fluoride Distillation Kit, 1,000㎖
In Accordance with Water Quality Standard, ES05351.2a · ASTM · EPA, 불소화물 증류장치

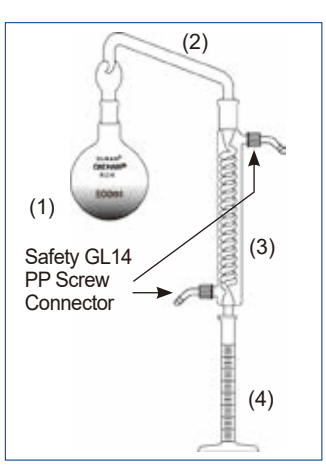
■ ***Supplied by SciLab Korea*** ■ ***Custom-Made Available / 규격 외 Items 자유롭게 주문하세요!***
∗ Standard Methods for the Examination of Water and Wastewater, 18th Edition(1992), Method 4500-F-B.
For the distillation of fluoride in a water sample

〈L1〉

		Ea. Price, ₩
SL.App2040	**Fluoride Distillation Kit**, Complete 1,000㎖	152,630

Component Parts

		Ea. Price, ₩
SL.Ada2128	(1) Parallel Neck Adapter, 24/40	33,800
SL.Ada2818	(2) Connecting Adapter, 24/40	24,510
SL.Ada402	(3) Thermometer Adapter, 24/40(PTFE)	16,870
SL.Fla2183	(4) DURAN® Round Bottom Joint Flask, 1,000㎖, 24/40	27,290
SL.Con2051	(5) Double Jacketed Condenser, 300 mm, 24/40	57,770
SL.Ada2067	(6) Safety Screw Adapter, Socket 24/40	15,430



SciLab® DURAN glass Phenol Distilling Apparatus, 500 & 1,000㎖
In Accordance with International Water Quality Standard, ES05311.1, 페놀증류장치

■ ***Supplied by SciLab Korea***
■ ***Custom-Made Available / 규격 외 Items 자유롭게 주문하세요!***

〈L1〉

		Ea. Price, ₩
SL.App2041	**Phenal Distilling Apparatus Set**, 500㎖	137,520
SL.App2042	, 1,000㎖	143,540

Component Parts

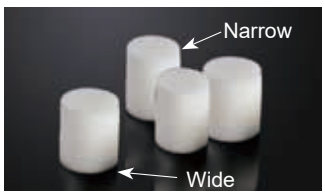
		Ea. Price, ₩
SL.Fla2182	(1) DURAN Joint Flask, 500㎖, 24/40	23,330
SL.Fla2183	, 1,000㎖, 24/40	28,190
SL.Ada2256	(2) Splash Head Glass Adapter, 24/40	47,990
SL.Con2013	(3) Safety Connection Glass Graham Condenser, L30cm, 24/40	46,790
WI.3705010	(4) witeg Cylinder α 3.3 Boro Glass, Graduated 100㎖	16,020

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



(1) & (2) PS Drosophila Vials



(3) Drosophila Stoppers, PE-Foam

PS Drosophila Vials, Glassy-Clear, Rigidity, od Φ25 & 28.5mm
Ideal for Drosophila Culture, Disposable Shell-type, −10℃+70/80℃ Stable, **초파리 배양 바이알**

■ ***Supplied by SciLab Korea***

∗ Made of Premium Grade Polystyrene : Precision Molded
- Glassy-Clear, for Easy Sample Viewing
- Ideal for Safety and Cost-saving Alternative to Glass Vials
- Optional Stopper : Made of High Density Foam and Ideal for Minimal Shedding as well as Reduce Evaporation

∗ 2×Style : ① Φ 25×h 95mm : "Narrow Vials" ② Φ 28.5×h 95mm : "Wide Vials"
∗ 2×Packaging : ① Bulk-packed : 25 pcs/Inner Bags, 500pcs(20bag×25)/Outer Case
② Tray-packed : 100 pcs(10×10)/Inner Tray, 500pcs(5 Tray×100)/Outer Case

〈L2〉

(1) 25ea/Bag Bulk-Packed Vials, PS, Φ25 & 28.5mm

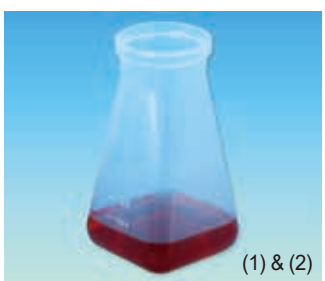
		Pk.	Price, ₩	Cs.	Price, ₩
SL.Via3311	Vial, Drosophila, PS, Narrow, Φ 25×h 95mm, 25ea / Pk	25ea	7,040	500ea	129,670
SL.Via3313	, Wide , Φ 28.5×h 95mm, 25ea / Pk	25ea	7,040	500ea	129,670

(2) 100ea/Cell Tray-Packed Vials, PS, Φ25 & 28.5mm

		Pk.	Price, ₩	Cs.	Price, ₩
SL.Via3312	Vial, Drosophila, PS, Narrow, Φ 25×h 95mm, 100ea / Tray	100ea	31,680	500ea	146,400
SL.Via3314	, Wide , Φ 28.5×h 95mm, 100ea / Tray	100ea	31,680	500ea	146,400

(3) Optional Drosophila Stoppers, PE-Foam

		Pk.	Price, ₩
SL.Sto3001	Stopper only, for Narrow Vials(OD Φ25mm)	100ea	37,380
SL.Sto3002	, for Wide Vials(OD Φ28.5mm)	100ea	37,380


(1) & (2)


(3)

Drosophila PP Bottle, with Pliable Top id Φ38.5mm for Easy Stopper Removal, 177㎖
With Square-bottom & Mold Graduated, Autoclavable, −10℃+125/140℃, **초파리 배양병, 스토퍼 타입**

■ ***Supplied by SciLab Korea***

∗ Made of Polypropylene ∗ Size : Bass 55.6×55.6, Neck od Φ43, Height 103.3mm
∗ Firm and Transparent Square-bottom and Stiff Neck for easier Handling
∗ Molded Graduations in 25㎖ Increments Up to 100㎖ (Total Capacity : 177㎖(6oz) bottle)
∗ Available Optional Stopper : Made of High Density Foam and Ideal for Minimal Shedding as well as Reduce Evaporation

〈L2〉

(1) Tray Packed, 25ea/Tray

		Pk.	Price,₩	Cs.	Price, ₩
SL.Bot3122	Drosophila Bottle, PP, 177㎖, Neck id Φ38.5mm, 25ea/Tray	25ea	20,920	200ea	154,750

(2) Bulk Packed, 200ea/Bag

		Cs.	Price, ₩
SL.Bot3121	Drosophila Bottle, PP, 177㎖, Neck id Φ38.5mm, 200ea/Bulk	200ea	121,290

(3) Optional PE-Foam Stopper

		Pk.	Price,₩	Cs.	Price, ₩
SL.Sto3003	Drosophila Btl Stopper, PE-Foam, for Neck id Φ38.5mm Bottles	50ea	49,520	1,000ea	458,330



Simport® 170㎖ Specimen-/Drosophila-PP Bottle & PE Snap Cap, Graduated
With Pour Spout, Stable Square Base, −10℃+125/140℃, **샘플/초파리 배양병, 스냅캡 타입**

■ ***Supplied by Simport® in Canada***

∗ Features a Dip-stick Well for Small Volume Testing and a Pour Spout for Dripless Pouring.
∗ Translucent, with a Stable Square Base.
∗ PP : -10℃+140℃, Autoclavable
∗ PE : -50℃+120℃, Non-Autoclavable

〈L1〉

		dh pk.	Price,₩	Cs.	Price, ₩
SP.B352	Bottle only, PP, 170㎖, 55×55×h102mm	10ea	14,170	500ea	471,370
SP.B352.1	Snap cap, PE, od.Φ46mm	10ea	2,450	2,000ea	323,000

Articles | Cat. No | Description


(1),(2)
Standard Pk.(2ea)


(1),(2)
Bulk Pk.(16ea)


(3)


(4)


(5)

Energizer® General Purpose Alkaline Dry-Cell, 1.5 & 9V
With 100% Checked for Quality Assurance, **알칼라인 건전지**

* Ideal for Flashlights, Portable Electronics, Clocks and Radios, Flashlights, Remote Controls, etc.
* Clear BLISTER with Description Card Packing
* Guaranteed for 10 Years in Storage
* Bulk Package (8ea/PK.& 16ea/Pk.) are MAX Plus type, It has more Efficiency and Stronger Sustainability than Normal

〈B4〉

Cat. No.	Dry-Cell Type	Pk.	Price, ₩
E3.LR03	(1) AAA 1.5V	2ea	1,570
E3.LR03.8		8ea	9,570
E3.LR03.16		16ea	13,650
E3.LR06	(2) AA 1.5V	2ea	1,730
E3.LR06.8		8ea	9,570
E3.LR06.16		16ea	13,650

Cat. No.	Dry-Cell Type	Pk.	Price, ₩
E3.MN1400	(3) C, 1.5V	2ea	6,430
E3.MN1400.4		4ea	11,760
E3.MN1300	(4) D, 1.5V	2ea	8,000
E3.MN1300.4		4ea	14,590
E3.6LR61	(5) 9V	1ea	5,340
-	-	-	



Energizer® Rectangular Manganese Dry-Cell, 6V
Ideal for Lantern, 100% Checked for Quality Assurance, **4각 망가니즈 건전지, 랜턴용**

■ ***Mercury- / Cadmium-free, Quality Seal for Trusted Power***
* Hold Power for 3 Years in Storage
* Shrink wrapping Packing

〈B4〉

Cat. No.		Pk.	Price, ₩
E3.4R25	Dry-Cell, Manganese, 6V, 4R25, 67×67×h115mm	1ea	5,490


Standard Pk.(2ea)


Bulk Pk.(5ea)

Energizer® Popular Lithium & Alkaline Dry-Cell, Coin-type, 1.5 & 3V
With 100% Checked for Quality Assurance, **리튬/알칼라인 코인건전지**

* 무수은, Hold Power for 8 years in Storage

〈B4〉

Cat. No.	Dry-Cell Type	Pk.	Price, ₩
E3.CR2016	(1) CR2016, 3V Lithium	2ea	3,450
E3.CR2016.5		5ea	5,490
E3.CR2025	(2) CR2025, 3V Lithium	2ea	3,450
E3.CR2025.5		5ea	5,490

Cat. No.	Dry-Cell Type	Pk.	Price, ₩
E3.CR2032	(3) CR2032, 3V Lithium	2ea	3,800
E3.CR2032.5		5ea	5,490
E3.A76	(4) A76, 1.5V Alkaline	4ea	3,450
E3.A76.10		10ea	5,490


(1) 1.5V AAA


(2) 1.5V AA

Energizer® Ultimate Lithium™ Anti-Freezing Dry-Cell, Performs in Temp −40℃+60℃, 1.5V
Ideal for Low Temperature Environment, Hold Power for Up to 20 years in Storage, **극저온용 리튬건전지**

* Hydrargyrum- / Lead- / Cadmium-Free
* Clear BLISTER with Description Card Packing
* Weighs 1/3 Less than Standard Alkaline Dry-Cell
* Ideal for Temperature Sensitive Laboratory & Industry High-tech Device
* Leak-proof Construction
* Suitable for High Power
* Guaranteed for 20 Years in Storag

〈B4〉

Cat. No.	Dry-Cell Type	Pk.	Price, ₩
E3.AFLR03	(1) AAA.1.5V, Lithium	2ea	9,730
E3.AFLR03.4		4ea	19,130

Cat. No.	Dry-Cell Type	Pk.	Price, ₩
E3.AFLR06	(2) AA, 1.5V, Lithium	2ea	9,730
E3.AFLR06.4		4ea	19,130


(1) 1.2V AAA


(2) 1.2V AA

Energizer® Nickel Metal Hydride Rechargeable Dry-Cell, 1.2V, 800 & 2300mAh
Ideal for Power Hungry Devices, Battery Life Up to 5-years, **충전용 건전지**

* 니켈수소 건전지
* 에너지 소비량이 큰 기기에 적합한 고출력 충전용 건전지

〈B4〉

Cat. No.	Dry-Cell Type	Pk.	Price, ₩
E3.CHLR03	(1) AAA.1.2V NiMH, 800mAh	2ea	13,020

Cat. No.	Dry-Cell Type	Pk.	Price, ₩
E3.CHLR06	(2) AA.1.2V NiMH, 2300mAh	2ea	13,020



Energizer® Complex Dry-Cell Charger, with Audio and LED Charging Indicator, 230V
For Recharge 2ea or 4ea AA or AAA NiMH Dry-Cells at One Time, 1 Year warranty, **충전용건전지 충전기**

■ ***Complex Recharge 2ea or 4ea AA or AAA Nickel-metal Hydride Dry-Cells at One Time***
■ ***4ea×AA NiMH Dry-Cell Included***
* Audio & LED Charging Indicator
* Bad Dry-Cell Detection Function
* Auto Off Timer Function
* Complete Recharging in 3 Hours

〈B4〉

Cat. No.		Pk.	Price, ₩
E3.CHPRO	Charger, Complex(AA / AAA), AC 230V, 70×42×h105mm	1ea	51,750

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



Blue Silica-gel, 0.5 & 1 kg

Desiccant Indicating-type Blue Silica-gel, Reagent-grade CP, Reusable, 5~10mesh, 0.5 & 1kg
Good for Desiccant-use of Foodstuff · Medical Supplies &c., Non-toxic, Odorless, **청색 실리카겔 건조제**

■ ***When Absorption of Moisture the Color Changing Blue → White***
■ ***Reusable : Revivified to Blue By the Drying of the White Silicagel***

∗ Environment-Friendly ∗ Insoluble in Water.
∗ Excellent Chemical Resistance ∗ CP : Chemical Pure

〈L3〉

Cat. No		Pk.	Price, ₩	Cs.	Price, ₩
DJ.7510.1405	Silica Gel, Blue, CP, 5~10mesh, 500g/PP Bottle	500g	8,780	20pk	
DJ.7510.1400	, 1kg/PP Bottle	1kg	16,200	10pk	



(1) (2)



(3)



(4)

Desiccant Non-Indicating-type White Silica-gel, Water-Insoluble, Environment-Friendly, 1g~500g
Ideal for Drying Agent of Foodstuff · Medical Supplies &c., Chemical Resistance, **백색 실리카겔 건조제**

(1) 1~5g Silica-Gel, Breathable OPP Film packing

∗ OPP Film : The Excellent Chemical Resistance and Durability

〈L3〉

Cat. No		Pk.	Price, ₩	Cs.	Price, ₩
S19.101	Silica-gel, OPP Film, 35×35mm, 1g	10ea	150	1,200pk	156,000
S19.102	, 45×35mm, 2g	10ea	190	800pk	136,500
S19.103	, 50×50mm, 3g	10ea	280	500pk	121,880
S19.105	, 50×60mm, 5g	10ea	450	400pk	162,500

(2) 5~10g Silica-Gel, Breathable Paper Packing

Cat. No		Pk.	Price, ₩	Cs.	Price, ₩
S19.205	Silica-gel, Paper, 50×60mm, 5g	10ea	420	350pk	130,820
S19.210	, 60×80mm, 10g	10ea	770	160pk	111,800

(3) 20g Silica-Gel, Breathable Non-woven Fabric Packing

Cat. No		Pk.	Price, ₩	Cs.	Price, ₩
S19.320	Silica-gel, Non-woven Fabric, 70×85mm, 20g	10ea	1,680	100pk	154,380

(4) 500g Silica-Gel, PE Bottle Packing, 5~10mesh

Cat. No		Pk.	Price, ₩
DJ.7513.1405	Silica-Gel, White, CP, 5~10mesh, 500g/PE Bottle	500g	7,430



Oxy® Charcoal Dehumidifying Agent, for Wardrobe & Drawer-cabinet
물먹는 하마 참숯 제습제, 옷장 & 서랍장용

∗ Absorb amount 500㎖ ∗ Strong moisture absorb and prevent malodor and mildew
∗ Using Q'ty : 1~2ea/1㎡ ∗ Ingredient : $CaCl_2$ / Charcoal

〈B4〉

Cat. No		Pk.	Price,₩	Cs.	Price, ₩
O3.503261	Agent, Dehumidifying, 500㎖	3ea	5,960	6pk	35,740

DAIHAN® 105 & 155 Lit Multi-purpose Drying Chamber, I.Gravity-air "DRYG" & II.Forced-air "DRYF", 50℃~90℃, ±1.0℃

With Digital PID Control, FND-display, Viewing Window, and 2 Stainless-steel Wire Shelves, **다용도 드라잉 챔버, 자연대류식 & 강제순환식**



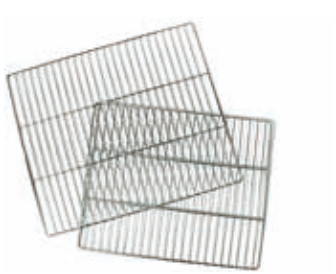
2-Year Warranty

I. 105Lit. Gravity-Air type



2-Year Warranty

II. 155Lit. Forced-Air Type, with Casters



Stainless-steel Wire Shelf (Included)

■ ***Supplied by DAIHAN Korea*** ■ ***PL (Product Liability) Insurance***

■ ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***

■ ***Optimized Air Flow by Forced-air & Gravity-air Convection Mechanism***

* Suitable for Drying, Baking, Conditioning, Curing, Pre-Heating and Aging
* Digital PID Control System Implementing Superior Temperature Accuracy
* Seven-segment FND-display
* Compact Design
* Ambient to Max 90℃ Temp Range, Accuracy of ±1.0℃
* Corrosion Resistant 304 Stainless-steel Chamber and Shelves
* Perfect Heat Insulation made by Heat-Resistant Rubber Packing and Air Flow Layer
* Over Temp & Over Current Protection and Sensor Error Detection
* 2 Stainless-steel Shelves are Included

Specifications & Ordering information

<L1>

Spec. \ Model		I. Gravity-Air type		II. Forced-Air type	
		(1) "DRYG-105"	(2) "DRYG-155"	(3) "DRYF-105"	(4) "DRYF-155"
Air Flow Fan		None		Yes	
Capacity		105 Lit	155 Lit	105 Lit	155 Lit
Temp	Range & Sensor	50℃~90℃, PT100 Sensor			
	Accu. & Unifom.	Accuracy ±1.0℃ at 90℃, Uniformity ±1.5℃ at 90℃			
Heater Power		1,100 W	1,200 W	1,150 W	1,300 W
Heat-up Time		30min up to 90℃			
Timer & Alarm		99hr 59min (with Delay / Continuous Run.), Error Status & Timer-end			
Display		Seven segments FND			
Controller		Digital PID Controller			
Resolution		Control : ±1.0℃, Display : ±1.0℃			
Shelf (Included)		2 Stainless-steel Wire Shelf			
Load per Shelf		16 kg			
Movable Caster		none	4ea	none	4ea
Permitted Total Load		32 kg (16 kg×2 Shelves)			
Ventilation		1 of Ventilation Hole (id. Φ40mm) with Stainless Steel Cap			
Safety Circuit		Over Temp, and Over Current Protector, Sensor Error Detector			
Material	Internal	Stainless-steel (#304)			
	External	Powder Coated steel			
	Insulation	Glass Wool			
Dimension (w×d×h)	Interior (mm)	485×410×535	550×470×600	485×410×535	550×470×600
	Exterior (mm)	653×739×783	718×804×848	653×739×783	718×804×848
Net Weight		60 kg	71 kg	62 kg	74 kg
Packing Size (w×d×h)(mm)		753×818×934	818×878×995	753×818×934	818×878×995
Gross Weight		75 kg	89 kg	77 kg	92 kg
Power Consumption		1.1 Kw	1.2 Kw	1.2 Kw	1.3 Kw
Electric Reqts.		1 Phase, AC 120V, 60Hz or AC 230V, 50/60Hz			
Cat. No.	230V	DH.DryG0105	DH.DryG0155	DH.DryF0105	DH.DryF0155
	120V	DH.DryG1105	DH.DryG1155	DH.DryF1105	DH.DryF1155
Price, Each. ₩		1,474,000	1,669,000	1,708,000	1,915,000

* Other Specifications are available upon Customer's Request.

※ 운임 별도

Spare Stainless-steel Wire Shelves

		Ea. Price, ₩
DH.WOF11105	Wire Shelf, for **105 Lit, "OFS105",** w455×d375mm	33,800
DH.WOF11155	, for **155 Lit, "OFS155",** w520×d449mm	37,500

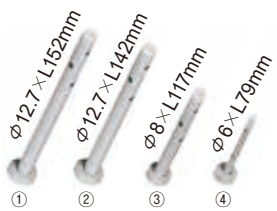
※ The Price(VAT is extra) for Korean End-user, and Changeable.

DAIHAN® 39 places Labware Dryer "DRYL-39", with Heating Blower & Air Filter, 230V, 1.5kW, Max 50℃ & 75℃

Ideal for Glassware · Plasticware · Small Articles, Timer Set 1~120min, Continuous 8 hours, **실험기구 건열풍 건조기**



2-Year Warranty



Assorted Drying Pegs (Included)

■ ***Supplied by DAIHAN Korea*** ■ ***PL(Product Liability) Insurance***
■ ***with Rating 1 MERV Fabric Pre-Filter : 3~10㎛ less than 20%***

* 1 Pre-Filter Installed, 2 spare Pre-Filters Included
* High Efficiency & Long Life!
* Made of Galvanized Steel with Powder Coating ; All Body
* Free-Standing ; Space Saving Design.
* a Peg has Several Blown Air Holes.
* Blown-over Tray on the Underside of Dryer.

Specifications & Ordering Information

〈L1〉

Spec. \ Model	"DRYL-39"
Operation mode & Filtered Heating Air Temp	Glass Mode : for Glassware Drying, max. 75℃±5℃ Plastic Mode : for Plasticware Drying, max. 50℃±5℃ Ambient mode : Ambient Temp
Timer	Countdown Timer Interval Setting : 1~120min Continuous Run
39 Drying Pegs	① 7 Pegs - Φ12.7×L152mm ② 6 Pegs - Φ12.7×L142mm ③ 13 Pegs - Φ8×L117mm ④ 13 Pegs - Φ6×L79mm Stainless-steel
Safety	Over Heat Protection
Ambient Temp & Humidity	5℃~45℃, up to 90% RH
Dimension & Weight (w×d×h)	550×350×h515mm, 17kg
Heater power	1,500W
Power Consumption	Max. 1,600W
Electric Reqts	230V, 60Hz
Cat. No.	**DH.Dry8013**
Price, Each. ₩	1,852,000

※ **운임 별도**



Philips® Warm Air Dryer, Ideal for up to 57℃ Drying, 220V, 50-60Hz

3 Step Temperature & 2 Step Speed Control, Black Color, **원에어 드라이어**

■ ***Supplied by DAIHAN Korea*** ■ ***전문가용 2100W*** ■ ***3단계 온도 조절 & 2단계 속도 조절***

* TP(Thermo Protect) Button Provide Holding the Temperature 57℃
* Easy to use with Simple & Compact Design
* Intensive Nozzle
* Adjustable for Temperature & Speed Setting
* Cable length: 1.8m
* DC Motor
* Good for Hair Drying

〈B1〉

		Ea.	Price, ₩
DH.Dry3002	Dryer, 2100W, 220×100×h310mm, 600g, 220V		64,920



(1) Analog-type

(2) Digital-type

Bosch® Analog & Digital Hot Air Gun, with Controller & Safety Device, 220V, 50/60Hz

With Attemperator, 50℃~630℃ Controlled, 150~500ℓ/min(wind Speed), **열풍건조기**

■ ***강력 모터로 630℃ 까지 열풍 가능***

* Button type : Convenient Handle with one Hand
* Lightweight and Easy Design, with Safety Device
* Adjustable Heat & Air : up to 630℃(Heat), and up to 500 Lit(wind Speed)

〈B3〉

(1) Analog-type, 2 Step Control, "GHG16-50", 300℃~500℃

		Ea.	Price, ₩
0527-680	Heat Gun, 300~500℃, 520g, 240~450ℓ/min(wind Speed), 1,600w		76,440

(2) Digital-type, 3 Step Control, "GHG20-63", 50℃~630℃, LCD Display

		Ea.	Price, ₩
0527-681	Heat Gun, 50~630℃, 650g, 150~500ℓ/min(wind Speed), 2,000w		141,120

Articles	Cat. No	Description



(1) 1구 콘센트 + 2 USB 포트



(2) 3구 콘센트 ON-OFF형

전기 멀티탭, Electrical Outlet Multi-Tap, 250V

<B3>

(1) 1구 콘센트 + 2 USB 포트

		Ea.	Price, ₩
0488-915	멀티탭 "SGU-1", 1구+2 USB, 10A		8,540

(2) 3구 콘센트, ON-OFF Switch-type

		Ea.	Price, ₩
0257-666	멀티탭 "HET-4", 3구, 1 Switch, 15A		3,130



다른 콘센트에 간섭없는 형

(1) HJT-32



(2) HJT-33

회전형 멀티탭, Rotating Multi-Tap, 250V

<B3>

(1) 3구, 1 Switch, 회전형

		Ea.	Price, ₩
0395-097	회전멀티탭 "HJT-32", 3구 차단, 16A		3,390

(2) 3구, 3 Switch, 회전형

		Ea.	Price, ₩
0395-098	회전멀티탭 "HJT-33", 3구 개별차단, 16A		5,200



Winners® 1.5 ~10m Power Saving Multiple Socket-outlet, with Earth-type, AC 250V, 15A

With Individual Power Switch & Power Down Function, Heat-Resistant, Polycarbonate/ABS, **절전 멀티탭(접지)**

* When Occur Overload and Short Circuit, Power Disconnecting Device is Operating.
* Individual Switch : Block Standby Power & Micro Current.
* Earth-type : Prevent Electrical Shock
* with Thunder Stroke Protection Equipment.
* with Convenient Small Message Board.

<B4>



(1) 3 Sockets

(1) 3 Holes Power Saving Socket-outlet

		Ea. Price,₩	Cs.	Price, ₩
W3.64130.1	Multiple Socket-outlet, 3 Holes, 1.5m	10,910	20ea	202,000
W3.64130.2	, 3m	13,410	20ea	248,120
W3.64130.3	, 5m	16,670	20ea	308,450
W3.64130.4	, 10m	25,420	10ea	235,280



(2) 4 Sockets

(2) 4 Holes Power Saving Socket-outlet

		Ea. Price,₩	Cs.	Price, ₩
W3.64140.1	Multiple Socket-outlet, 4 Holes, 1.5m	14,230	20ea	263,290
W3.64140.2	, 3m	16,640	20ea	307,930
W3.64140.3	, 5m	19,930	15ea	276,700
W3.64140.4	, 10m	28,680	10ea	265,440



(3) 6 Sockets

(3) 6 Holes Power Saving Socket-outlet

		Ea. Price,₩	Cs.	Price, ₩
W3.64160.1	Multiple Socket-outlet, 6 Holes, 1.5m	17,960	20ea	332,360
W3.64160.2	, 3m	20,480	20ea	379,010
W3.64160.3	, 5m	24,010	15ea	333,360
W3.64160.4	, 10m	32,750	10ea	303,220

Winners® 1.5 ~10m General Multiple Socket-outlet, Polycarbonate/PC ABS, AC 250V, 15A

With Function for Prevention of Electric Shock, Earth-type, Heat-Resistant, **멀티탭(접지)**

<B4>



(1) 3 Sockets

(1) 3 Holes Socket-outlet

		Ea. Price,₩	Cs.	Price, ₩
W3.22730.1	Multiple Socket-outlet, 3 Holes, 1.5m	5,530	50ea	255,360
W3.22730.2	, 3m	7,970	30ea	221,180
W3.22730.3	, 5m	11,030	25ea	254,880
W3.22730.4	, 10m	19,310	15ea	268,030



(2) 4 Sockets

(2) 4 Holes Socket-outlet

		Ea. Price,₩	Cs.	Price, ₩
W3.22740.1	Multiple Socket-outlet, 4 Holes, 1.5m	8,370	30ea	232,270
W3.22740.2	, 3m	11,520	24ea	255,800
W3.22740.3	, 5m	14,790	20ea	273,650
W3.22740.4	,10m	23,040	10ea	213,300



(3) 6 Sockets

(3) 6 Holes Socket-outlet

		Ea. Price,₩	Cs.	Price, ₩
W3.22760.1	Multiple Socket-outlet, 6 Holes, 1.5m	9,290	30ea	257,850
W3.22760.2	, 3m	12,280	24ea	272,740
W3.22760.3	, 5m	15,790	20ea	292,190
W3.22760.4	,10m	24,300	15ea	337,290

※ The Price(VAT is extra) for Korean End-user, and Changeable.



Cais® Cable Tie, Nylon, White & Black, 나일론 케이블타이

* Nylon 66, 94V-2 Certificated by UL. Heat-resisting, Erosion Control, Insulate well and not Apt to Age.
* Natural (or White, Standard Color), UV Black and Other Color are Available as Requested.

〈B4〉

ORDER NO.		Width×Length(mm)	dh pk.	Price, ₩	Cs.	Price, ₩
White	Black					
C2.T25100	C2.T25100.1	100×2.5	100ea	620	10dh pk.	4,080
C2.T36140	C2.T36140.1	140×3.6	100ea	1,320	10dh pk.	8,740
C2.T48200	C2.T48200.1	200×4.8	100ea	2,690	10dh pk.	17,910
C2.T50270	C2.T50270.1	270×5.0	100ea	4,600	5dh pk.	15,290
C2.T48300	C2.T48300.1	300×4.8	100ea	5,080	5dh pk.	16,890
C2.T76300	C2.T76300.1	300×7.6	100ea	7,220	3dh pk.	14,420
C2.T76370	C2.T76370.1	370×7.6	100ea	9,110	3dh pk.	18,200
C2.T90450	C2.T90450.1	450×9.0	100ea	17,640		
C2.T90540	C2.T90540.1	540×9.0	100ea	28,360		
C2.T90780	C2.T90780.1	780×9.0	100ea	44,110		



Cais® Marker Tie, Available to Tie Max. Φ22mm, with Tag, 마커 타이

■ 펜과 스티커 등으로 분류별 마킹이 가능하여 효율적인 선 정리 가능

* Nylon 66 94V-2 Certificated by UL. Acid Control and not Easy to Age.
* Write Down the Maker on the Tag, Tag Size w8×L25mm

〈B4〉

C2.100MT Marker Tie, w2.5×L100mm
C2.200MT , w2.5×L200mm

dh pk.	Price, ₩	Cs.	Price, ₩
100ea	2,610	10dh pk.	17,330
100ea	3,170	10dh pk.	21,120



Cais® Reusable Cable Tie, Easy Assembling, 재사용 케이블 타이

■ 해제 버튼이 있어서 쉽게 재사용 가능

* Nylon 66 Certificated by UL.
* Easily Assembled by Hand or with Pliers

〈B4〉

C2.200RT Reusable Cable Tie, w4.8×L200mm, Max. Bundle Φ50mm
C2.250RT , w7.2×L250mm, Max. Bundle Φ65mm

dh pk.	Price, ₩	Cs.	Price, ₩
100ea	6,210	10dh pk.	41,360
100ea	10,970	5dh pk.	36,550



Cais® Cord Band, General Purpose, 코드/케이블 밴드(타이)

■ Supplied by Cais® in Korea ***■ Cord Band, Polyethylene***

〈B4〉

C2.CB150 Cord Band, Color-Natural, 157mm
C2.CB150.1 , Color-Black, 157mm

dh pk.	Price, ₩	Cs.	Price, ₩
100ea	3,420	5dh pk.	11,360
100ea	3,420	5dh pk.	11,360



(1) T4.3200A



(2) T4.3201

Pocket Multimeter

Taekwang® Pocket Multimeter, 0~500V, 0~34Ω, 3¾ Digit, 3,200 Count With DC/AC Voltage, Resistance-check, Diode-test, Overload Protection, 포켓 멀티미터

* Small & Compact
* 3¾ Digit, 3,200Count
* Full Range Protection
* Convenient Range
* Auto Power Off(10min.)
* High Speed Bar-Graph
* Data Hold

Specifications & Ordering information

〈B3〉

Models	(1) "3200A"	(2) "3201"
DCV	0-500V ±(1.3%+2dgt)	0-500V ±(1.3%+2dgt)
ACV	0-500V ±(2.3%+5dgt)	0-500V ±(2.3%+5dgt)
Resistance	0-34MΩ	0-32MΩ
Continuity	30Ω or Less	20Ω or Less
Diode	Open Voltage Approx. 2.3V	Open Voltage Approx. 2.3V
Power supply	LR44 or SR44×2Ea.	LR44 or SR44×2Ea.
Dimension	w71×h112×t16mm	w54×h108×t12mm
Weight Approx.	100g	110g
Cat. No.	T4.3200A	T4.3201
Price, Each. ₩	23,730	28,620

Articles	Cat. No	Description



(1) "3205"
Portable type Digital Multimeter



(2) "4002"
Multi-use Digital Multimeter

Taekwang® Multi-use Digital Multimeter, 320mV~1,000V, 320Ω~40MΩ, 320μA~10A
With DC/AC Voltage & Ampere, Resistance, Diode-test, 디지털 멀티미터

* Overload Protection
* Convenient & Safe Holster
* Range Hold & Data Hold
* High Speed Bar-graph
* Min/Max Function(T4.4002)
* Built in Thermometer(T4.4002)

Specifications & Ordering information

<B3>

Spec. \ Model	(1) "3205" Portable type Digital Multimeter	(2) "4002" Multi-use Digital Multimeter
DCV	320㎷ ±(0.5%+2dgt), 3.2 / 32 / 320 / 1000V ±(1.0%+2dgt)	400mV / 4V ± (0.5%+1dgt), 40 / 400V ± (0.5%+3dgt), 1000V ± (0.7%+2dgt)
ACV	3.2 / 32 / 320 / 750V ±(1.2%+4dgt)	400mV/4V/40V/400V/750V ± (1.0%+3dgt)
Resistance	320Ω / 3.2 / 32 / 320kΩ ±(1.0%+2dgt), 3.2 / 32MΩ ±(3.5%+5dgt)	400Ω / 4kΩ / 40kΩ / 400kΩ ± (0.7%+2dgt), 4MΩ ± (1.0%+2dgt), 40MΩ ± (2.5%+2dgt)
DCA	320μA / 3.2 / 32 / 320㎃ ±(1.0%+2dgt), 10A ±(2.5%+2dgt)	40mA / 400mA ± (1.5%+2dgt), 10A ± (2.0%+5dgt)
ACA	320μA / 3.2 / 32 / 320㎃ ±(2.0%+5dgt), 10A ±(2.5%+2dgt)	40mA / 400mA ± (1.5%+2dgt), 10A ± (2.0%+6dgt)
Diode	Open Voltage 2.2V-3.3V	
Continuity	18Ω or Less	40Ω or Less
hFE Base current Approx.	1μA Vce 3V	None
Frequency	None	99.99Hz ~ 999.9kHz ± (0.3%+3dgt)
Capacitance 4	None	0 / 400㎋ / 4 / 40μF ±(0.5%+5dgt)
Temperature	None	-30℃+1350℃ ±(3%+3dgt)
True RMS	None	Crest Factor Below 3
Display	3¾ Digit, 3400 Count	3¾ Digit, 4,000 Count
Auto Power off	30min	10min
Power Supply	NEDA 1604 9V or 6F22 9V 1Ea.	
Dimension	w84×h183×t40mm (w125×h195×t45mm, with Holster)	
Weight Approx.	350g (600g, with Holster)	
Accessories	Manual, Test Leads with Clip, Holster, Temp Probe (T4.4002)	
Cat. No.	**T4.3205**	**T4.4002**
Price, Each. ₩	50,670	82,240



Taekwang® Digital Clamp Meter, Max : 36㎜, 3¾ Digit, 3,400 Count, 330g
With Test Leads & Case, Overload Protection, Auto Power Off 10min, 디지털 클램프미터

* Small & Compact
* Clamp Core Size(36mm)
* Auto Range
* Data Hold

<B3>

ACA	340.0/600A ±(2%+4dgt)
ACV	3.400 / 34.00 / 340.0 / 600V ±(1.5%+4dgt)
DCV	340.0㎷ / 3.400 / 34.00 / 340.0 / 600V ±(1%+2dgt)
Resistance	340.0 / 3.400 / 34.00 / 340.0kΩ±(1%+2dgt), 3.400 / 34.00MΩ±(3%+5dgt)
Continuity	30Ω or Less
Power Supply	LR44 or SR44 2Ea.
Clamp Jew Size	36mm
Dimension & Weight	73(W)×194(H)×33(D)mm, 330g
Accessories	Manual, Teat leads, Carrying Case
Cat. No. & Price ₩	**T4.600A** **₩ 55,380 / Ea**



Taekwang® Digital Insulation Meter, ACV & DCV Measurement, 3¾ Digit, 4,000 Count, 550g
With Test Leads & Case, Overload Protection, Auto Range, 디지털 절연저항계

* Microprocessor Controlled IC
* Bar Graph
* Data Hold
* Continuity Test

Specifications

* 250V(4- / 40- / 400- / 1000MΩ, ±2%±8DGT), 500V(4- / 40- / 400MΩ, ±2%±8DGT), 500V(2000MΩ, ±5%±8DGT), 1000V(4- / 40- / 400MΩ, ±2%±8DGT), 1000V(2000MΩ, ±5%±8DGT)
* DCV : 0~600V(±2%±4DGT)
* ACV : 0~600V(±2%±4DGT)

<B3>

	Ea.	Price, ₩
T4.4003 Digital Insulation Meter, w84×h183×t54mm		79,100

※ The Price(VAT is extra) for Korean End-user, and Changeable.

DAIHAN® Portable Gel Documentation System "WGD-20", 1.45M Pixel CCD Camera, with Certi. & Traceability

With Digital CCD Camera & Optical Lens, Portable Darkroom Hood, Capture Software, USB Interface

젤 이미지 분석기, 고성능/최저가, 디지털 CCD 카메라(145만 화소) 장착

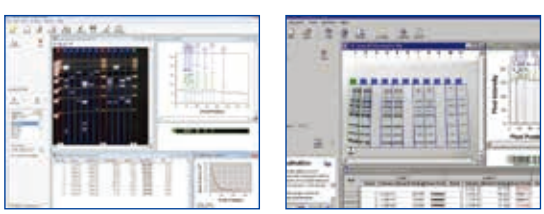


2-Year Warranty

Portable Gel Documentation System "WGD-20"

※ Computer System Requirements

- Intel Chipset, USB 2.0 Support Mainboard
- Over Pentium 4 Processor
- Over 256MB Main Memory
- Over 60MB Space of HDD for Installation and Running
- Window XP, Vista & 7, 8, 10



Imaging Capture S/W

: Included S/W, Real-Time Image Viewing/Capture, Manipulate and Save Images



(1) UV Transilluminator(Optional)

- ***Supplied by DAIHAN Korea*** ■ ***CE Certified*** ■ ***PL(Product Liability) Insurance***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
- ***The Most Cost-Effective System***
- ***High Precise and Large Caliber Optical Lens with Zoom, Focus and Iris Control are Used***

∗ DNA, RNA gel Imaging Capture and Analysis
∗ Digital CCD Camera (Resolution 1.45 Million pixel) with Portable Darkroom is Offered
∗ 1360×1024, 10-bit CCD, Available for 8-bit Gray Level Image Capturing
∗ Power Consumption : Supplied USB(USB 3.0)
∗ Very Compact Portable Darkroom System Enables the Existing Transilluminators in the Lab to be used together with this system. High Flexibility in use is Offered
∗ USB 3.0 Interface is available, through which Real-Time Images are transferred directly to PC
∗ Software : Easy and Fast Capture of Gel Image
∗ TotalLab™ Software : Fully Automatic, Single Button Press Complete Image Analysis in Interesting Area(Optional)

Specifications & Ordering information

〈L1〉

Spec. \ Model		"WGD-20"	"WGD-20S" Includes DNA Analysis S/W
CCD Module	CCD & Pixel Size	1/2″ CCD, 4.65×4.65 um	
	Max. Resolution	1,360×1,024	
	Lens Mount & Optical Size	C mount, 7.6×6.2 mm	
	Connect to PC & Power	USB 3.0, Supplied USB	
Zoom Lens	Iris & Focal Length	F1.0 - Close, 8~48mm	
	Ambient Temp	−10℃ to +50℃	
Overall	Dimension & Weight	300×260×h470 mm, 9 kg	
	Software Capability	Windows XP, Vista & 7, 8, 10	
Standard S/W		Imaging Capture Software Included	
DNA Analysis S/W		none	TotalLab™ CLIQS Included
Packing Size & Weight		400×350×h510 mm, 18 kg	
Cat. No.		DH.WGD00020	DH.WGD00024
Price, Each. ₩		3,059,000	4,179,000

* Other Specifications are available upon Customer's Request.

※ 운임 별도

Optional Transilluminator & S/W

		Ea. Price, ₩
DH.WUV00020	(1) Transilluminator, **"WUV-L20",** 20×20cm Filter 312nm, 15W UV Lamp×6ea	1,372,000
DH.WUV00050	(1) Transilluminator, **"WUV-L50",** 20×20cm Filter 365nm+312nm, 15W UV Lamp×6ea	1,174,000
DH.WUV00120	(1) Transilluminator, **"WUV-M20",** 20×20cm Filter 312nm, 8W UV Lamp×6ea	1,339,000
DH.WGD00100	(2) DNA/Protein Analysis S/W, **TotalLab™ CLIQS**	1,576,300
DH.WGD00121	(3) , **CLIQS 1D Pro**	15,056,300
DH.WGD00200	LapTop Computer, **WGD-Laptop,** for WGD Gel Doc.System	1,613,800

DNA Analysis S/W

(2) TotalLab™ CLIQS

■ Automatic and Manual Lane Detection, Background Subtraction
Fully Automatic Band Detection, Molecular Size / pI Calibration
Quantity Calibration, Normalization

(3) CLIQS 1D Pro (additional function)

■ Match Band Data Patterns across Large Groups of Lanes
Choice of Algorithms to Generate Dendrograms : NeighborJoining, UPGMA, Complete Linkage, Single Linkage, Ward Library, Queries Function



One Stop Analysis

Articles	Cat. No	Description

DAIHAN® Gel Imaging System "GIS-2", 6.3M Pixel, 2.4㎛, F1.4, 11~69mm Manual Zoom

With Capture Software, High-quality CMOS Camera & Optical Lens, Auto Control System, USB Connection, Certi. & Traceability

젤 이미지 분석기, 자외선 발산기 일체형, 디지털 CMOS 카메라(630만 화소) 장착



2-Year Warranty

"GIS-2" Gel Imaging System, Built-in Transilluminator

- ***Supplied by DAIHAN Korea*** ■ ***PL(Product Liability) Insurance***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System.***
- ***Complete System with 6.3M Pixel Digital CMOS Camera, Safety Darkroom Hood and Built-in Transilluminator(UV Type or LED Type)***
- ***High-quality F1.4 Optical Lens with 11~69mm Manual Zoom, Focus and Iris Control is Used.***
- ***Included Imaging Capture Software.***

∗ Ideal for Various Applications of DNA, RNA Protein Gel Imaging Capture and Analysis.
∗ Unified Darkroom System with Built-in Sliding Transilluminator offers very safety and convenience in use
∗ Built-in Single Wave Transilluminator(UV Type) : 312nm, 6×8W UV Lamps and ETI White LED×3Ea
∗ Built-in Single Wave Transilluminator(LED Type) : 470nm, Blue LED×324Ea, 35W
∗ 3072×2048 CMOS Resolution ∗ Can be Used with Tablet PC(Optional)
∗ USB 2.0 Interface is Available through Which Real-time Images are Transferred Directly to PC

Specifications & Ordering information

〈L1〉

Spec. \ Model	"GIS-2"	
Transilluminator Type	Standard UV Type	Blue LED Type
Camera Resolution	6.3 Mega Pixel CMOS	
Pixel Size	2.4㎛	
Lens	F1.4 Fixed, 11~69mm Manual Zoom	
Transilluminator	312nm, 6×8W UV Lamps, Filter Size : 210×260mm	470nm, Blue LED×324Ea, Filter Size : 210×260mm
Software	Imaging Capture Software Included	
White Light	3×LED Lamps	
PC Interface(OS)	Window7 or Window10 64bit or Window11	
Camera Interface	USB 2.0	
Dimension & Weight	360×380×h700 mm, 24kg	
Packing Size (mm) & Gross Weight (kg)	430×490×h830 mm, 28kg	
Electric Reqts.	1 Phase, AC 120V, 60Hz or AC 230V, 50/60Hz	

Cat. No.			
	230V	DH.WGD00300	DH.WGD00310
	120V	DH.WGD00301	DH.WGD00311
Price, Each. ₩		5,960,000	5,860,000

∗ **Other Specifications are available upon Customer's Request.**





Imaging Capture S/W

: Included S/W, Real-Time Image Viewing/Capture, Manipulate and Save Images



Optional Software/Transilluminator/White Light Table

		Ea. Price, ₩
DH.WGD00100	(1) DNA/Protein Analysis S/W, **TotalLab™ CLIQS**	1,576,300
DH.WGD00121	(2) , **CLIQS 1D Pro**	15,056,300
DH.WUV01110	UV Lamp, 365nm, 8W	23,800
DH.WUV02110	, 312nm, 8W	65,000

DNA Analysis S/W

(1) TotalLab™ CLIQS

■ Automatic and Manual Lane Detection, Background Subtraction
Fully Automatic Band Detection, Molecular Size / pI Calibration
Quantity Calibration, Normalization

(2) CLIQS 1D Pro (additional function)

■ Match Band Data Patterns across Large Groups of Lanes
Choice of Algorithms to Generate Dendrograms : NeighborJoining, UPGMA, Complete Linkage, Single Linkage, Ward Library, Queries Function

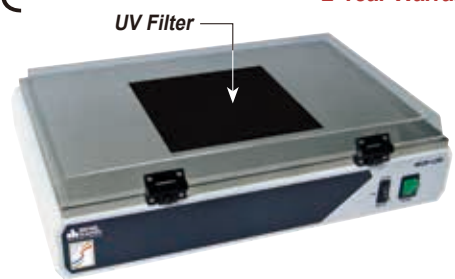


One Stop Analysis

※ The Price(VAT is extra) for Korean End-user, and Changeable.

DAIHAN® UV Transilluminator "WUV", Standard- & Compact Case-type, 48W & 90W UV Lamp
With Hinged UV-Blocking Safety Cover, Robust, Versatile, 312 · 365 · 312+365 nm, with Certi. & Traceability
자외선 발산기, 기본형 핵산(DNA, RNA), 스탠다드-/컴팩트-케이스 타입

CE *2-Year Warranty*



(1) Standard Case "WUV-L" Model

CE *2-Year Warranty*



(2) Compact Case "WUV-M" Model

- ***Supplied by DAIHAN Korea*** ■ ***CE Certified*** ■ ***PL(Product Liability) Insurance***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
- ***Low Cost, Robust, Versatile, Affordable & Gentle Excitation***
- ***Hinged UV-Blocking Safety Cover Protects User from UV Radiation***
- ***Stainless-steel Frame and Robust Steel Housing***

∗ Ideal for Standard Gel Documentation and Preparative Work, especially for Detection of very small amount of DNA & RNA Stained by EtBr
∗ Long-Life Electronic (Low Heat, no Flickering) ∗ High (100%) / Low (75%) Intensity Switch

Specifications & Ordering information

〈L1〉

Spec. \ Model		(1) Standard Case-type			(2) Compact Case-type	
		"WUV-L10" Single 365 nm	"WUV-L20" Single 312 nm	"WUV-L50" Dual 365+312 nm	"WUV-M10" Single 365 nm	"WUV-M20" Single 312 nm
Filter Size		200×200 mm				
Wave Length		Single 365 nm	Single 312 nm	Dual 365+312 nm	Single 365 nm	Single 312 nm
UV Lamps		15W×6ea (90W)			8W×6ea (48W)	
Power Consumption		95 W			52 W	
Dimension		495×330×h95 mm			350×275×h95 mm	
Weight		10 kg			8 kg	
Packing Size (mm) & Gross Weight (kg)		520×380×h220 mm, 12 kg			380×320×h220 mm, 10 kg	
Electric Reqts.		1 Phase, AC 120V, 60Hz or AC 230V, 50/60Hz				
Cat. No.	230V	DH.WUV00010	DH.WUV00020	DH.WUV00050	DH.WUV00110	DH.WUV00120
	120V	DH.WUV02010	DH.WUV02020	DH.WUV02050	DH.WUV00210	DH.WUV00220
Price, Each. ₩		968,000	1,372,000	1,174,000	915,000	1,339,000

∗ **Other Specifications are available upon Customer's Request.**

Spare UV Lamp

		Ea. Price, ₩
DH.WUV01010	UV Lamp, 365nm, 15W, for **"WUV-L10/-L50", "UVL365"**	23,800
DH.WUV01020	, 312nm, 15W, for **"WUV-L20/-L50", "UVL312"**	71,300
DH.WUV01110	, 365nm, 8W, for **"WUV-M10", "UVM365"**	23,800
DH.WUV02110	, 312nm, 8W, for **"WUV-M20", "UVM312"**	65,000



Custom® Digital UV-intensity Meter, 1999~19,990㎼/㎠
With UV Sensor, 70×25×h131mm, 335g, **디지털 자외선 강도계**

∗ Range : 1,999~19,990㎼/㎠ ∗ Accuracy : ±(4%rdg+2 dgt)
∗ Wavelength Sensitivity Characteristics : 290-390 nm ∗ Sampling : 2.5time/sec
∗ Size : Body 70×25×131mm, Sensor 46×27×168mm, Cord Length 700mm
∗ Measurement of UVA, UVB is Possible
∗ Separated Sensor enables you to Measure from Further.

〈L2〉

		Ea. Price, ₩
SL.Met3972	"UV340" Meter, Digital, UV-intensity	551,290



Jayu® UV-indicator Dot Label, ϕ18mm, 자외선 감시 라벨

∗ Original Color → Discoloration : UV-L / Clear(White) → Reddish Brown,
UV-S / Clear(White) → Red
∗ Labels Change Color by UV and keep Remaining Once Discolored.
∗ The Back has Special Adhesives so that it can Stick Easily. ∗ Quantity : 1pack (100sheet)

〈L2〉

		Pk. Price, ₩
SL.Lab9043	"UV.S" Label UV-indicator Dot, for UV-lamp	100ea 88,600
SL.Lab9044	"UV.L" , Solar	100ea 88,600

Ev

Premium EVAPORATOR Wide-range Capacity "EVA-05"

DAIHAN® Premium

Rotary Vacuum Evaporator

For 0.1~5Lit Evaporating Flasks

Programmable Electric Automatic Lifting
Up to 195mm, Digital Display Height

Adjustable Immersion Angle & Automatic Reverse Rotation

1,600cm² Vertical High Cooling Capacity

- 1,600cm² Cooling Surface Condenser.
- Superior Evaporation Capacity : Max. 23ml/min(Water)

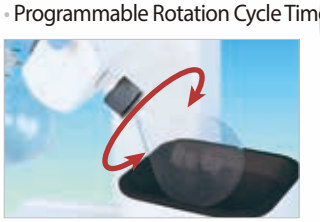
10-Step Adjustable Wide Immersion Angle

- Adjustable 10-Step Wide Immersion Angle 1° ~ 50°



Automatic Reverse Rotation

- Rotated Direction of Evaporating Flask Can be Reversed (Clockwise or Counter-Clockwise)
- Programmable Rotation Cycle Time for User Convenience



Interchangeable Detachable Heating Bath

- Separable Bath Structure from Digital Controller for User Safety and Convenience



Possible to Use a Heating Bath by Itself !

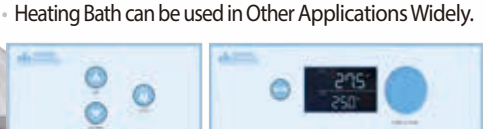
Programmable Electric Automatic Lifting



- Adjustable Electric Automatic Lifting : Up to 195mm to Accommodate Changing Flask
  - Programmable Prefer Height
  - Digital Display the Height for User Convenience
  - Automatic Raising when Power Error for Sample Protection

Individual Digital Control

- Evaporator and Heating Bath have the Individual Digital Control System for User Convenience.
- Heating Bath can be used in Other Applications Widely.



0.1~5.0 Lit Wide Range Capacity

- Designed for Using 0.1~5Lit Evaporating Flasks Up to 200℃
  - 2.5Lit Oil Bath(Included) : for 0.1~2Lit Flasks
  - 5.5Lit Oil Bath(Optional) : for 2~5Lit Flasks



up to 2Lit



up to 5Lit

DAIHAN® Premium 0.1~5Lit Rotary Vacuum Evaporator "EVA-05", Vertical-type, 195mm Auto Lifting With 2.5Lit Heating Bath(Option 5.5Lit Bath), Up to 200℃, Cooling Surface 1,600cm², 10-Step Immersion Angle 1°~50° and Automatic Reverse Rotation Function ; Clockwise or Counter Clockwise, 10~300rpm, 프리미엄 회전 진공 농축기

CE *2-Year Warranty*

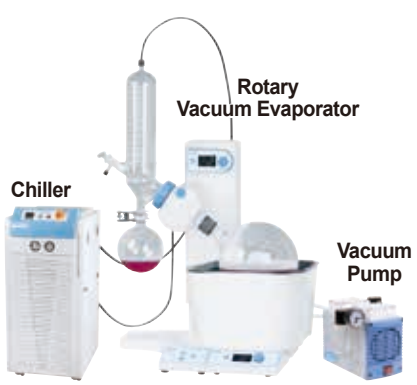


Premium Rotary Evaporator, with 2.5Lit Oil Bath(Included), for 0.1~2Lit Evaporating Flask

CE *2-Year Warranty*



Premium Rotary Evaporator, with 5.5Lit Oil Bath(Optional), for 2~5Lit Evaporating Flask



▶ Figure : One of Rotary Vacuum Evaporator Systematization

Rotary Evaporator is for Research Facilities of Biotechnological, Chemical, Cosmetic, Medical Industries, Pharmaceutical, and Universities. For Crystallization, Distillation, Powder Drying, Product Concentration, and Separation of one or more Solvents.

- ***Supplied by DAIHAN Korea*** ■ ***CE Certified*** ■ ***PL (Product Liability) Insurance***
- ***Patented Jog Dial & Touch Button Control System***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
- ***Designed for Using 0.1~5Lit Evaporating Flasks, up to 200℃***
  - ***2.5Lit Oil Bath(Included) : for 0.1~2Lit Evaporating Flasks.***
  - ***5.5Lit Oil Bath(Optional) : for 2~5Lit Evaporating Flasks.***
- ***Automatic Reverse Rotation Function : Clockwise or Counter Clockwise***
- ***Adjustable Wide Immersion Angle : 10 Steps, 1° ~ 50°***
- ***No Grease is needed for the Flask Connection of Vapor Duct due to Teflon & Viton O-ring Gasket.***

∗ Evaporator and Heating Bath have the individual Digital Control System.
∗ Separable Bath Structure from Digital Controller for User Safety and Convenience
∗ Embedded Heating Elements for Bath
∗ High Cooling Surface Condenser : 1,600cm², Max. 23㎖/min
∗ Adjustable Electric Automatic Lifting : Up to 195mm to Accommodate Changing Flask
- Programmable Prefer Height
- Digital Display the Height for User Convenience
- Automatic Raising when Power Error for Sample Protection

∗ Rotary Evaporators can be Set with Circulation Aspirator Pump (P.290)

Specifications & Ordering information

〈L1〉

Spec. \ Model		"EVA-05" 0.1~5Lit Flask
Condenser Type		Vertical-type
Flask	Evaporating	0.1~5Lit, Included 1Lit Evaporating Flask
	Receiving	0.1~3Lit, Included 1Lit Receiving Flask
Controller & Display		PID Controller, Digital Display
Rotation Speed		10~300rpm
Evaporating Capability		Max. 23㎖/min
Cooling Surface		1,600cm²
Heating Bath Capacity & Temp Range	Standard (Included)	2.5Lit Oil Bath, Up to 200℃, for 0.1~2Lit Evaporating Flasks External(215×205×h179mm), Internal(197×187×h117mm)
	Optional	5.5Lit Oil Bath, Up to 200℃, for Max 5Lit Evaporating Flasks External(324×269×h209mm), Internal(305×250×h118mm)
Lifting Type		Adjustable Automatic Electric Lifting : up to 195mm Programmable Prefer Height and Digital Display Height
Immersion Angle		Adjustable 10-step Angle 1° ~ 50°
Vacuum Seal		Double Sealing Rings made of Teflon + Viton Material
Power Consumption		Rotation Motor(100W), Heating Bath : Included 2.5Lit Bath(1,200W/220V, 1,100W/110V), Optional 5.5Lit Bath(1,500W/220V, 1,100W/110V)
Material	Housing	Aluminum Die Casting
	Heating Bath	External(PBT), Internal(Ceramic-coated SS304)
Dimension & Net Weight		510×438×h519(Max. 714)mm, 16kg
Electrical Reqts.		AC220V, 50/60Hz or AC110V, 60Hz
Cat. No.	230V	**DH.Eva0005**
	120V	**DH.Eva0005.1**
Price, Set. ₩		4,447,000

※ 운임 별도

Optional Heating Bath

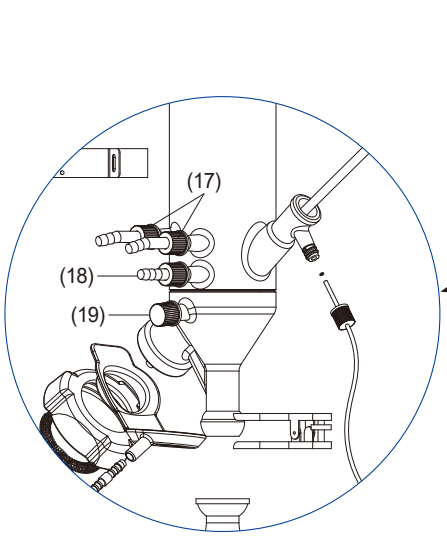
Cat. No.	Description	Ea. Price, ₩
DH.Bat005.1	Oil Bath Only, without Digital Controller, 5.5Lit, Up to 200℃, External(324×269×h209mm, PBT), Internal(305×250×h118mm, Ceramic-coated SS304)	779,000

▶ Optional Vacuum Pumps for Evaporators :
⇒ See the "Evaporators, Access-Vacuum Pump" Section

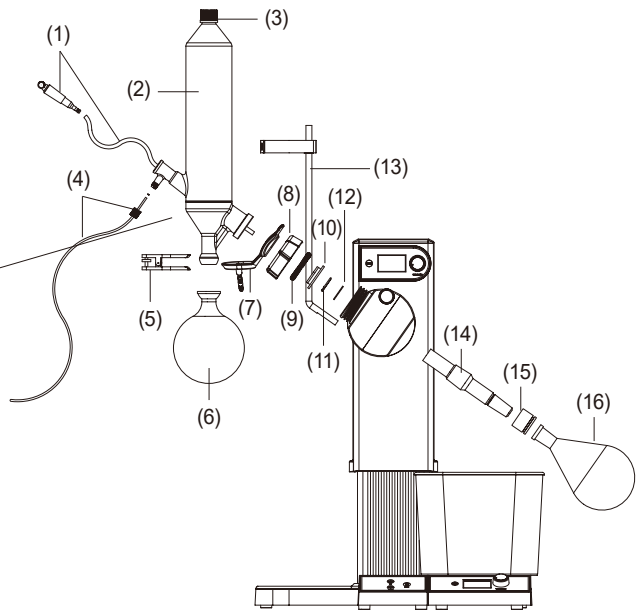
<Continued On Next Page>

<Continued From...DAIHAN® Premium 0.1~5Lit Rotary Vacuum Evaporator>

The Detail of Spare Parts for Premium 0.1~5Lit Rotary Vacuum Evaporator "EVA-05"



Backside of Glass Condenser



Drawing of Premium Rotary Vacuum Evaporator, "EVA-05"

Ordering Information

‹L6›

Seq. No.	Cat. No.	Description	Ea.	Price, ₩
(1)	DH.EvaA10050	Glass Feeding Valve Stopcock, 19/38, with od. Φ7×L350mm PTFE Tube		50,000
(2)	DH.Con2059	**Glass Condenser**, Φ85×471mm, with (3) PBT GL25 Cap & (4) PP GL10 Opentop Cap and PTFE Tube, **"GC05"**		800,000
(3)	DU.2924013	Spare PBT Closetop Cap, GL25, Red, for Closure	10ea	56,540
(4)	DH.EvaA30010	Spare PP Opentop Cap, GL10, Hole Φ3.2mm, with od. Φ3×L400mm PTFE Tube		5,000
(5)	SL.Cl7454	Stainless-steel Ball Joint Clamp, w/Screw, Joint 35		7,520
(6)	SL.Fla2081	DURAN glass Receiving Flask, 250㎖, 35/20(Optional)		46,100
	SL.Fla2082	DURAN glass Receiving Flask, 500㎖, 35/20(Optional)		48,190
	SL.Fla2083	DURAN glass Receiving Flask, 1,000㎖, 35/20(Included)		54,790
	SL.Fla2084	DURAN glass Receiving Flask, 2,000㎖, 35/20(Optional)		88,000
(7)	DH.EvaA30020	Condensate Silicone Trap for Glass Condenser		11,300
(8)	DH.EvaA30030	Condenser Locknut, PBT, Hole Φ51mm		11,300
(9)	DH.EvaA30040	Circlip Spring Ring, Stainless-steel 304, od. Φ7.8mm(Φ1.0mm thickness)		2,500
(10)	DH.EvaA30050	Vacuum Seal, Rubber & PTFE, od. Φ50mm, id. Φ25.4mm		23,800
(11)	DH.EvaA30060	Viton O-ring, Black, id.Φ26.5mm		2,500
(12)	DH.EvaA30070	Teflon O-ring, White, id. Φ26.5mm		2,500
(13)	DH.EvaA30080	Fixing Stand Rod for Glass Condenser, Stainless-steel 304		41,300
(14)	DH.EvaA10024	**Glass Vapor Duct**, 24/40, L185mm, **"GVD 2440"**		104,900
	DH.EvaA10029	**Glass Vapor Duct**, 29/32, L185mm, **"GVD 2932"**		104,900
(15)	WI.0140024	Suferfix Screwcap-type Joint Clamp, Joint 24, Gray		5,370
	WI.0140029	Suferfix Screwcap-type Joint Clamp, Joint 29, Blue		5,370
(16)	SL.Fla2061	DURAN glass Evaporating Flask, 100㎖, 24/40(Optional)		29,740
	SL.Fla2063	DURAN glass Evaporating Flask, 250㎖, 24/40(Optional)		35,300
	SL.Fla2065	DURAN glass Evaporating Flask, 500㎖, 24/40(Optional)		42,250
	SL.Fla2067	DURAN glass Evaporating Flask, 1,000㎖, 24/40(Included)		53,900
	SL.Fla2069	DURAN glass Evaporating Flask, 2,000㎖, 24/40(Optional)		120,350
	SL.Fla2070	DURAN glass Evaporating Flask, 3,000㎖, 24/40(Optional)		200,100
	SL.Fla2186	DURAN glass Evaporating Flask, 5,000㎖, 24/40(Optional)		195,370
(17)	SM.28623060	Red PBT Screwcapped PP & PTFE Hose Connector Kit, Bent, GL14		16,090
(18)	SM.28623000	Red PBT Screwcapped PP & PTFE Hose Connector Kit, Straight, GL14		11,730
(19)	DU.2924008	PBT Closetop Cap, GL14, Red, for Closure	10ea	39,920

※ The Price(VAT is extra) for Korean End-user, and Changeable.

DAIHAN® 0.5~2Lit Digital Rotary Evaporator "WEV-1001V" & "WEV-1001L", Vertical & Diagonal-type

With 6.5 Lit Digital Bath 100℃, PID Control & Lifting Table, 10~180rpm, Cooling Surface 1,300cm², Certi. & Traceability, **회전식 증발 농축기**



2-Year Warranty

(1) Vertical-type "WEV-1001V"



2-Year Warranty

(2) Diagonal-type "WEV-1001L"

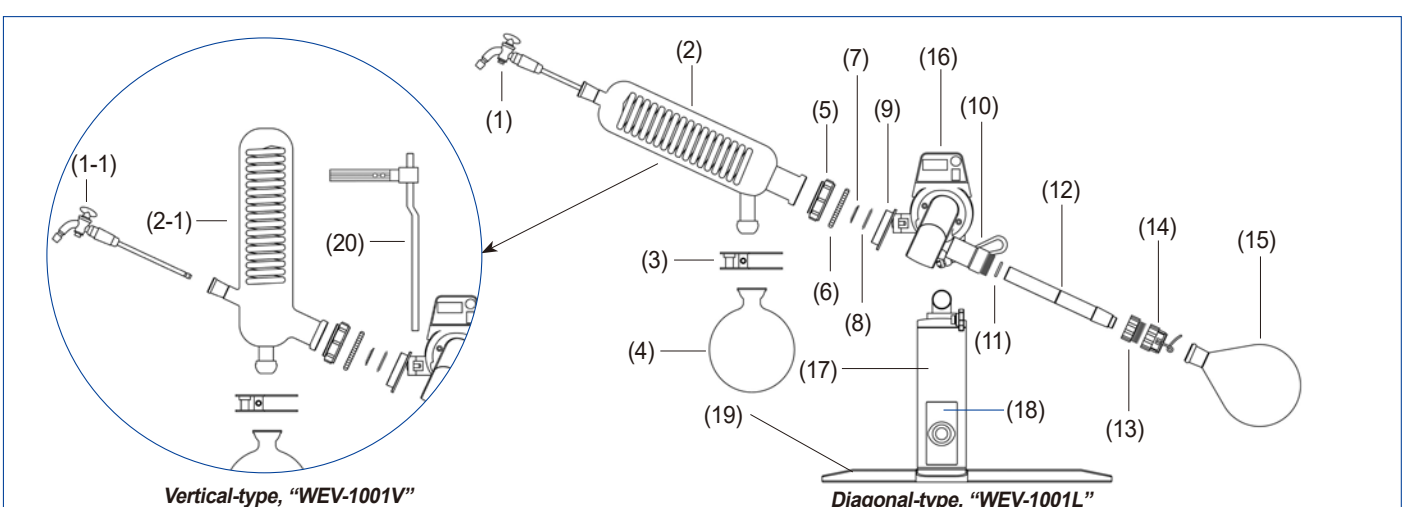
- ***Supplied by DAIHAN Korea*** ■ ***Cooling Surface 1,300cm²***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
- ***Ideal for Distilling (Mixed) Solvent, Condensation Solution and Suspension, Concentrating Liquid, Re-crystallization Dry Powder and Granulate, Synthesizing Chemical, Soxhlet Extraction, etc.***
- ***Included Two Evaporating Flasks : 1×0.5Lit & 1×1Lit***
- ***The Temperature adopts PID Control, which ensures accurate Temperature Control.***
- ***Speed Display, Operate Visually and easily***

∗ Digital Speed Display, Digital Temp Display on Water Bath.
∗ Double Sealing with PTFE and Vinton Materials to ensure High Vacuum Degree.
∗ The Air Extraction Nozzle of Condenser is set down, and it is Safer after Connection with Vacuum Pipe
∗ Building Block Design is Easily to be Extended.
∗ Easy Operation of Lifting, Move up and Down Smoothly and Easy to Lock.
∗ Dedicated Electric Machinery, Worm and Gear Drive Steadily.
∗ The Separation of Bath and the Mainframe makes Configure Flexible.
∗ These Rotary Evaporators could Set with Circulation Aspirator Pump (P.290)

Specifications & Ordering information

<L1>

Spec. \ Model		(1) "WEV-1001V" Vertical-type	(2) "WEV-1001L" Diagonal-type
Condenser Type		Vertical-type	Diagonal-type
Bottle Capacity	Evaporating	Included 2×Evaporating Flasks : 1×0.5Lit & 1×1Lit, Available 100-/250-㎖, 2Lit Evaporating Flask(Optional)	
	Receiving	Included 1Lit Flask 1ea	
Rotary Speed		10~180 rpm	
Evaporating Capability		20㎖/min	
Cooling Surface		1,300 cm²	
Achievable Vacuum		399.9Pa(below 3mmHg)	
Bath Capacity		6.5 Lit / Φ254×130 mm	
Temp Range		0℃~100℃	
Functional of Lifting Table		Weight Balancing Gliding Elevating & Manual Lifting	
Elevating Stroke		100~250 mm	
Vacuum Sealing		Double Sealing Rings made of Teflon + Vinton Materials	
Power Consumption		Motor : 25 W, Heater : 1.05kW	
Controller & Display		PID Controller, Digital display	
Dimension & Net Weight		560×320×h660mm / 9.5 kg	750×320×h540mm / 9.5 kg
Electrical Reqts.		AC220V, 50/60Hz or AC110V, 60Hz	
Cat. No.		DH.WEV01001V	DH.WEV01001L
Price, Each. ₩		2,806,450	2,806,450



Vertical-type, "WEV-1001V"

Diagonal-type, "WEV-1001L"

※ *NOTE!* ▶ *Optional Vacuum Pumps for Evaporators : See the "Evaporators, Access-Vacuum Pump" Section.*
▶ *For the Information of Spare Parts : Contact Us Directly.*

DAIHAN® 5·10·20 Lit Digital Rotary Evaporator "WEV-1005"·"WEV-1010"·"WEV-1020", Large Capacity

With Digital Controlled Stainless-steel Bath 99℃, Electric Lift Bath, Vertical-type, 20~130 rpm, **대용량 회전식 증발 농축기**

2-Year Warranty



(1) "WEV-1005" 5Lit

2-Year Warranty



(2) "WEV-1010" 10Lit & (3) "WEV-1020" 20Lit

- ***Supplied by DAIHAN Korea***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
- ***Ideal for Distilling (Mixed) Solvent, Condensation Solution and Suspension, Concentrating Liquid, Re-crystallization Dry Powder and Granulate, Synthesizing Chemical, Soxhlet Extraction, etc.***
- ***Teflon (PTFE) and Fluorine Rubber Dual Rotating Seal, Patented Technology to ensure High Vacuum.***
- ***A Vacuum Switching Valve : without Affecting the System Vacuum, Distillation of the Situation and the Solution can be Continuously Collected.***
- ***Electric Lift - Stainless-steel Water Bath, Easy to Use.***
- ***Cooling Surface : "WEV-1005" total 2,700cm²***
  "WEV-1010" total 6,500cm²
  "WEV-1020" total 11,500cm²

∗ Accurate and Reliable Temp. Control due to the Introduction of Advanced Frequency Control System
∗ PTFE Discharge Valve, Corrosion Resistance, Pollution-free.
∗ Rotary Evaporators can be Set with Circulation Aspirator Pump (P.290)

Specifications & Ordering information

〈L1〉

Spec. \ Model	(1) "WEV-1005" Evaporating Flask 5Lit	(2) "WEV-1010" Evaporating Flask 10Lit	(3) "WEV-1020" Evaporating Flask 20Lit
Evaporating Flask	**5 Lit**, Flange Opening Φ50 mm	**10 Lit**, Flange Opening Φ125 mm	**20 Lit**, Flange Opening Φ125 mm
Receiving Flask	3 Lit	5 Lit	10 Lit
Condenser	Water Refrigerating	Standing, Main & Auxiliary Cooling and Highly Efficient 3 Circulating Cold Trap	
Temp. Range	0℃ ~ 99℃		
Rotary Speed	20 ~ 140 rpm	20 ~ 130 rpm	
Evaporating Capability	Water : 2 Lit/h, Alcohol : 4 Lit/h	Water : 3.2 Lit/h, Alcohol : 6.5 Lit/h	Water : 5 Lit/h, Alcohol : 11 Lit/h
Cooling Surface	Condenser 2,700 cm²	Main Condenser 4,500 cm² Auxiliary Condenser 2,000 cm²	Main Condenser 8,000 cm² Auxiliary Condenser 3,500 cm²
Achievable Vacuum	399.9Pa(below 3mmHg)		
Functional of Lifting Table	Electric		
Elevating Stroke	0 ~ 150 mm	0 ~ 160 mm	0 ~ 190 mm
Vacuum Sealing	PTFE and Fluorine Rubber Dual Rotating Seal		
Motor	250 W, Phase DC Induction Motor		
Heating Boiler	Stainless-steel Water Bath		
Display	Digital display		
Power Consumption	2.3 kW	1Phase 220V, 3.8kW or 3Phase 380V, 6.3kW	
Dimension (mm)	835×400×h1090	990×550×h1655	1195×635×h2070
Electrical Reqts.	1Phase 220V, 50/60Hz	1Phase 220V, 50/60Hz	
Cat. No.	**DH.WEV01005**	**DH.WEV01010**	**DH.WEV01020**
Price, Each. ₩	6,073,430	9,060,900	12,475,140

※ **운임 별도**

※ *NOTE!* ▶ *Optional Vacuum Pumps for Evaporators : See the "Evaporators, Access-Vacuum Pump" Section.*
▶ *For the Information of Spare Parts : Contact Us Directly.*

※ The Price(VAT is extra) for Korean End-user, and Changeable.

DAIHAN® 50 Lit Digital Rotary Evaporator "WEV-1050", Large Capacity, Vertical Type, with Electric & Manual Lift Bath

With Digital Controlled Stainless-steel Bath 99℃, 20~110 rpm, 19 Lit/h, Cooling Surface 14,500 cm², **대용량 회전식 증발 농축기**



2-Year Warranty

- ***Supplied by DAIHAN Korea*** ■ ***Cooling Surface : 14,500cm²***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
- ***Ideal for Distilling (Mixed) Solvent, Condensation Solution and Suspension, Concentrating Liquid, Re-crystallization Dry Powder and Granulate, Synthesizing Chemical, Soxhlet Extraction, etc.***
- ***Large Capacity & Diameter Rotary Evaporator Flask - 50Lit***
- ***Teflon (PTFE) and Fluorine Rubber Dual Rotating Seal, Patented Technology to Ensure High Vacuum.***
- ***Stainless-steel Water Bath - Electric & Manual Lift, Easy to Use***

∗ The Introduction of Foreign Advanced Frequency Control System, Temperature Control System, Accurate and Reliable.
∗ A Vacuum Switching Valve, without Affecting the System Vacuum Distillation of the Situation and the Solution can be Continuously Collected.
∗ Water Bath Electric Lift and Manual Lift Support, Easy to Use.
∗ PTFE Discharge Valve, Corrosion Resistance, Pollution-free.
∗ This Rotary Evaporator could Set with Circulation Aspirator Pump (P.290)

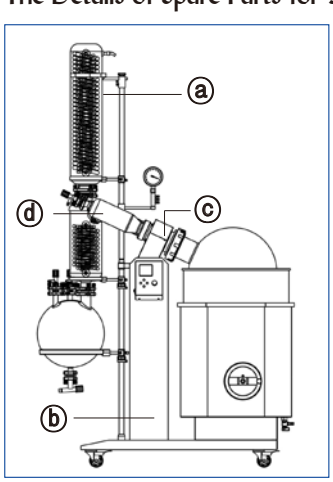
Specifications & Ordering information

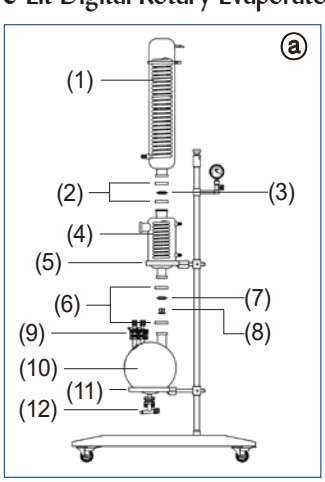
〈L1〉

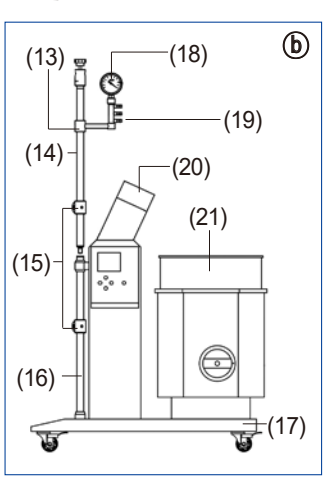
Spec. \ Model	"WEV-1050"
Evaporating Flask	**50 Lit**, Flange Opening Φ125 mm
Receiving Flask	20 Lit
Condenser	Standing, Main & Auxiliary Cooling and Highly Efficient 3 Circulating Cold Trap
Temp. Range & Rotary Speed	0℃~99℃, 20~110 rpm
Evaporating Capability	Water : 9 Lit/h, Alcohol : 19 Lit/h
Cooling Surface	Main Condenser 9,500 cm² Auxiliary Condenser 5,000 cm²
Achievable Vacuum	399.9Pa(below 3mmHg)
Functional of Lifting Table & Stroke	Electric & Manual, 0~180 mm
Vacuum Sealing	PTFE and Fluorine Rubber Dual Rotating Seal
Motor	250 W, Phase DC Induction Motor
Heating Boiler	Stainless-steel Water Bath
Display	Digital display
Dimension (mm)	1345×770×h2140
Electrical Reqts.	6.3 kW, 3Phase 380V, 50Hz
Cat. No.	**DH.WEV01050**
Price, Each. ₩	17,399,540

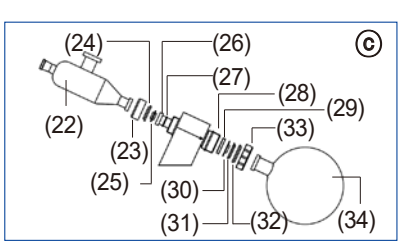
※ 운임 별도

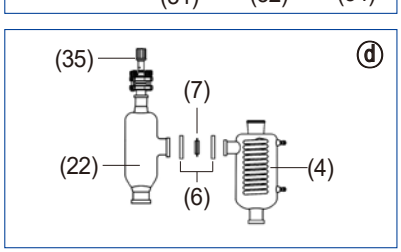
The Details of Spare Parts for 50 Lit Digital Rotary Evaporator "WEV-1050"











※ *NOTE!* ▶ *Optional Vacuum Pumps for Evaporators : See the "Evaporators, Access-Vacuum Pump" Section.*
▶ *For the Information of Spare Parts : Contact Us Directly.*

Articles	Cat. No	Description

DAIHAN® −20℃+40℃ Chiller "CHI", Heavy-duty Refrigerated External Circulator, Fill-17 · 29 · 47 Lit

Ideal for Evaporator/Reactor &c. Cooling Line, Lift 27m, Cooling Capa 0.87 · 1.3 · 3.0 kW, 다용도 냉각 써큘레이터/칠러



Max. Filling Volume 47Lit, "CHI-50"



Assembly-type Safety Connection Ports/Pipe for Fluid In/Out-let ; ISO RC 1/2" Thread, Located On Rear-Upper Panel

※ See page 57 for the Cooling/Heating Transfer Fluids & Circulation Hoses ;

- ▶ SYN THERM 7008® −40℃+400℃
- ▶ SUPER THERM FG-20® −10℃+300℃
- ▶ SYN THERM 22L® −5℃+320℃
- ▶ Insulated External Circulating Tubings

※ Note : Cooling Transfer Fluid Should be an Antifreezing Solution

- ■ *Supplied by DAIHAN Korea* ■ *PL(Product Liability) Insurance*
- ■ *with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System*
- ■ *Ideal for Wide-range Reaction System and Evaporator.* ■ *Max. Lift 27m*
- ■ *Assembly-type Safety Connection Ports/Pipe for Fluid In/Out-let : ISO RC 1/2" Thread, Stainless-steel.*
- ■ *Digital PID Control System Implementing Superior Temperature Accuracy.*
- ■ *Embedded External Nozzle Part for the Prevention of Nozzle Damaged.*
- ■ *Stainless-steel Internal Bath for Prevention of Corrosion.*

∗ Wide-range Filling Volume 17Lit · 29Lit · 47Lit ∗ Effective Cooling Capacity
∗ Useful for 1~50Lit Various Reactors and Evaporators. ∗ Emergency Stop Button for safety.
∗ High Quality Circulation Pump : 30-Lit/min Max Flow Rate and 3.3-bar Max. Pressure.
∗ Built in Pump Pressure Gauge and Compressor Pressure Gauge.

Specifications & Ordering information

〈L1〉

Spec. \ Model		"CHI-20" Filling Volume Max. Capa. 17Lit	"CHI-30" Filling Volume Max. Capa. 29Lit	"CHI-50" Filling Volume Max. Capa. 47Lit
Temp Range & Stability		−20℃+40℃-Range, ±0.2℃(at 15℃)-Stability		
Cool-Fluid. Filling Volume		17 Lit max	29 Lit max	47 Lit max
Useful for 1~50Lit Evaporators, etc.		for 1~20Lit Evaporator	for 10~30Lit Evaporator	for 20~50Lit Evaporator
Refrigerator Capacity(HP)		1 HP	1.5 HP	2 HP
Lid & Top Opening Dia.		Φ100 mm		
Fluid In/Out-let Connector		ISO RC 1/2" (English System AG 1/2") Thread, Stainless-steel		
Pump Power, Lift Height, m	Max. Flow Rate	30 Lit/min		
	Max. Pressure & Lift	3.3 bar Max. Lift : 27m		
Cooling Capacity	at +20℃	1.7 kW	2.8 kW	6.5 kW
	at 0℃	0.87 kW	1.3 kW	3.0 kW
	at −20℃	0.32 kW	0.45 kW	1.2 kW
External Dimension		450×630×h650 mm	550×830×h975 mm	605×975×h1265 mm
Material		Internal : Stainless-steel, External : Powder Coated steel		
Electrical Reqts.		1 Phase 230V, 50 / 60 Hz		3 Phase 380V
Cat. No.	60Hz	DH.Chi0020	DH.Chi0030	DH.Chi0050
	50Hz	DH.Chi0025	DH.Chi0035	DH.Chi0055
Price, Each. ₩		5,463,000	6,888,000	8,313,000

* Other Specifications are available upon Customer's Request.

※ 운임 별도



▶ Figure : One of the Applications in the Large Volume Evaporator Line.

※ The Price(VAT is extra) for Korean End-user, and Changeable.

DAIHAN® −35℃+150℃ External/Internal Digital Precise Refrigerated/Heating Bath Circulator "CL", ±0.2℃

With Flat Lid, Digital Fuzzy Control, CFC-free, Certi. & Traceability, Capa. 8 · 12 · 22 · 30 Lit, Flow 25Lit/min, Lift 4m

Ideal for Cooling/Heating Line of Facility, External Circulating Connect - od.12 & id.10mm, **정밀 냉동/가열 배스 겸용 써큘레이터**

CE −35℃+150℃

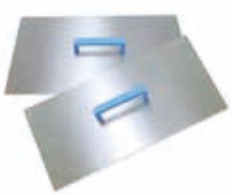


2-Year Warranty

−35℃+150℃ Refrigerated / Heating Bath Circulator
Max. 8Lit, "CL-8" & Max. 12Lit, "CL-12"



External Circulation Nozzle



Stainless-steel Flat Lid Included

※ Note : Cooling Transfer Fluid Should be an Antifreezing Solution

※ Validation (IQ, OQ) Service Available upon Request

■ ***Supplied by DAIHAN Korea*** ■ ***CE Certified*** ■ ***PL (Product Liability) Insurance***
■ ***Advanced Refrigeration System Ensures Temperature Performance***
■ ***Patented Jog-Dial Control System and Capacitive Touch Button***

∗ RS232C Interface for Remote Monitoring and Controlling with PC ∗ All models Built in Caster
∗ User's Self-compensation Function to Control Difference between Real Temperature and Indicated Temperature (±10.0℃). ∗ Much Faster Cool-down Time ∗ Proper Liquid Level Line in Bath
∗ Warning and Auto-Stop Function in case of Liquid Shortage.

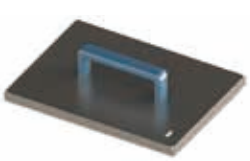
Specifications & Ordering information

〈L1〉

Spec. \ Model		"CL-8" Max. Capa. 8 Lit	"CL-12" Max. Capa. 12 Lit	"CL-22" Max. Capa. 22 Lit	"CL-30" Max. Capa. 30 Lit
Temp Range & Accuracy		−35℃+150℃, ±0.1℃			
Temp Resolution		0.1℃-Display, 0.1℃-Control			
Temp Uniformity & Probe		±0.2℃ at −20℃, PT100			
Pump		Max Flow Rate : 25Lit/min(Controlled 5 Steps Flow Rate Speed) Max Pressure : 7.5 psi, Max Lift : 4m			
Bath Volume		8 Lit	12 Lit	22 Lit	30 Lit
Heating & Refrigerator		1 kW, 1/2HP	1.5 kW, 1/2HP	2 kW, 7/8HP	2.2 kW, 1HP
Cooling Capacity	at +20℃	500 W	530 W	860 W	1030 W
	at 0℃	340 W	370 W	620 W	760 W
	at −20℃	200 W	210 W	400 W	500 W
Total Power Consumption		1.7 kW	2.2 kW	3 kW	3.3 kW
Compressor Control		Intelligent Control of Refrigerator for preventing Compressor Overload			
External Circulation Nozzle		id.10.5 / od.12.5mm(For Inner Circulat. : to Connect directly the in-/outlet Nozzles)			
Timer & Alarm		99hr 59min (Delay & Continuous run), Error status & Timer-end			
Display		Digital LCD with Back-Light Function			
Controller		Digital Fuzzy Controller with Jog-Dial Knob (Turn+Push)			
Safety Circuit		Over-Temp/-Current protection, Sensor Error Detection, Leakage Breaker			
Material		Internal : Stainless-steel (#304), External : Powder Coated steel Insulation : 40 mm Thickness Urethane Foaming			
Lid & Drain Valve		Includes Stainless-steel Flat Lid & Ball Valve			
Dimension (w×d×h)	Effective Space (mm)	175×153×150	230×181×150	290×220×200	330×290×200
	Internal (mm)	175×320×150	230×350×150	290×390×200	330×460×200
	External (mm)	400×523×807	400×523×807	483×563×850	494×633×906
Packing Size (mm) & Gross Weight (kg)		530×630×985 50 kg	530×630×985 55 kg	615×670×1025 65 kg	630×740×1075 78 kg
Electrical Reqts.		1 Phase, AC 120V, 60Hz or AC 230V, 50 / 60Hz			
Cat. No.	230V	DH.WCL00408	DH.WCL00412	DH.WCL00422	DH.WCL00430
	120V	DH.WCL00508	DH.WCL00512	DH.WCL00522	DH.WCL00530
Price, Each. ₩		2,664,000	2,800,000	3,005,000	3,458,000

∗ Other Specifications are available upon Customer's Request.

※ 운임 별도



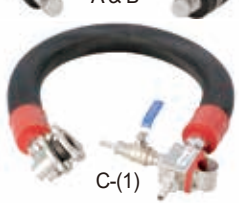
▶ Insulated Lid (Optional)

▶ *Optional Microporous Ceramic Insulation Lid*
T15mm(10mm Microporous Ceramic + 5mm Ceramic Paper)

		Ea. Price, ₩
DH.WCR.L008	Insulation Lid, for **CL-8** , 240×178×T15mm	56,000
DH.WCR.L012	for **CL-12,** 316×206×T15mm	65,000
DH.WCR.L022	for **CL-22,** 396×245×T15mm	80,000
DH.WCR.L030	for **CL-30,** 436×316×T15mm	101,000



A & B



C-(1)

NEW



C-(2)

Insulated Circulation Hose, Silicone · Teflon PFA or PTFE · Stainless-steel, Id Φ10~19mm, L1 & 1.5m

■ ***Supplied by SciLab Korea*** ∗ A & B Φ37mm Black EPDM Foam Insulated ∗ Silicone Vacu-Hose : id 10×od 13mm, id 15×od 20mm, id 18×od 24mm, 200℃ ∗ PFA Hose : id 10×od 12mm ∗ PTFE Hose : id 15×od 16mm, id 19×od 21mm, −100℃+260℃ ∗ Stainless-steel(SS 304) Hose : id 17×od 60mm, 360℃, Silicone Foam & Black Woven Nylon Mesh Insulated

〈L1〉

A. Insulated Silicone Hose, 200℃

		dh	Pk. Price,₩
SL.Tub4021	Sili-hose, id 10mm, L1m	1m	23,050
SL.Tub4022	, L1.5m	1.5m	26,050
SL.Tub4023	, id 15mm, L1m	1m	30,900
SL.Tub4024	, L1.5m	1.5m	37,530
SL.Tub4025	, id 18mm, L1m	1m	37,800
SL.Tub4026	, L1.5m	1.5m	48,980

B. Insulated PFA or PTFE Hose, 260℃

		dh	Pk. Price,₩
SL.Tub4031	PFA-hose, id 10mm, L1m	1m	35,080
SL.Tub4032	, L1.5m	1.5m	43,400
SL.Tub4033	PTFE-hose, id 15mm, L1m	1m	36,630
SL.Tub4034	, L1.5m	1.5m	46,400
SL.Tub4035	, id 19mm, L1m	1m	46,330
SL.Tub4036	, L1.5m	1.5m	47,970

C. Best Insulated & Stainless-steel Bellows(Flexible) Hose, SS 304, 360℃

		Ea. Price,₩
SL.Tub7021	(1) Stainless-steel Bellows Hose, id 17mm, L1m, with Connector	984,890
SL.Tub7021.A01	(2) , for Extension, without Connector *New*	317,150

Articles	Cat. No	Description

DAIHAN® 105mbar Oil Free Vacuum Pump "PU-300", with Fine Vacuum Regulator and Moisture Trap, 20Lit/min
With Prote™ Overflow Protection, Built-in Thermal Protection, Protection Class IP30, 진공 펌프

CE 1-Year Warranty



105mbar Oil Free Vacuum Pump "PU-300"

■ *Supplied by DAIHAN Korea* ■ *진공처리가 필요한 다양한 실험에서 사용이 가능* ■ *CE, CSA, and RoHS Certified*
■ *Used for General Filtration, Microbiological Test, Suspended Solid Test, Solid-Phase Extraction, Microplate Vacuum Manifold, Air Sampling, etc.*

∗ Driven by Piston without Lubricant, Regular Oil Change and Maintenance ; No Oil Pollution
∗ Prote™ Overflow Protection is Installed to Prevent a Large Amount of Liquid from being Sucked into the Pump.
∗ Equipped with Filter Cartridge in Air Inlet to Filter Particle and Moisture to Prolong the Life of Pump.

〈L1〉

Spec. \ Model	"PU-300"	
Speed of Evacuation	20 Lit/min	23 Lit/min
Max. Vacuum	105 mbar, 78.8 torr	
Motor Power & Max. Current	60 W, 0.3A	65 W, 0.7A
Motor Rotation & Noise Level	1450 rpm, 50 dB	1750 rpm, 50 dB
Hose Barb	8mm	
Size & Weight	268×135×h204mm, 4.1kg	
Electric Rqts.	220V, 50Hz	110V, 60Hz
Cat. No.	**DH.Pu0300**	**DH.Pu0301**
Price, Each. ₩	396,000	396,000

DAIHAN® 10mbar Anticorrosive Vacuum Diaphragm Pump "PU-20", with Fine Regulator and Moisture Trap, 18Lit/min
With Built-in Thermal Protection, Quit and Low Vibration, 내부식성 저소음/저진동 진공 다이어프램 펌프

1-Year Warranty



10mbar Anticorrosive Vacuum Diaphragm Pump "PU-20"

■ *Supplied by DAIHAN Korea*
■ *진공처리가 필요한 다양한 실험에서 사용이 가능하며 최고 10mbar의 고진공 성능을 보여줌*
■ *Used for Solvent purification, Gel dryer, Rotary Evaporator, Vacuum Filtration, etc.*
■ *Resistance to Chemicals ; the Parts in Contact with the Gas are PTFE Coated.*

∗ Driven by Diaphragm without Lubricant, Regular Oil Change and Maintenance ; No Oil Pollution
∗ Quiet and Low Vibration ∗ Built-in Thermal Protection

〈L1〉

Spec. \ Model	"PU-20"
Speed of Evacuation	18 Lit/min
Max. Vacuum	10 mbar, 7.5 torr
Motor Power & Max. Current	90 W, 0.5A
Motor Rotation & Noise Level	1450 rpm, 52dB
Hose Barb	8mm
Size & Weight	262×236×h193mm, 7.4kg
Electric Rqts.	220V, 50Hz
Cat. No.	**DH.Pu8020**
Price, Each. ₩	2,900,000

DAIHAN® 0.098MPa Multiuse Water Jet Vacuum Pump/Aspirator "WEV-003S"
Ideal for Evaporator 1~5Lit, with Multi-Taps & Safety Valve, Bath 15Lit, 다용도 아스피레이터, 워터젯 진공펌프

2-Year Warranty



"WEV-003S" ideal for 1~5Lit Evaporator

■ *Supplied by DAIHAN Korea*
■ *Resist Corrosion by Acid, Alkali and Solvents.* ■ *Cyclically use Water*
■ *Good for Evaporation, Distillation, Crystallization, Drying, Sublimation, Filtration &c.*
■ *Fluorine Rubber Sealing* ■ *Need to Replace the Water in the Flume Regularly*

∗ Can be used alone or in Parallel - WEV-003S(2 Tap & 2-Display)
∗ Stainless-steel(#304) Body, Copper Ejector, Tee Junction, PP Back Valve

〈L1〉

Spec. \ Model	"WEV-003S" Ideal for 1~5Lit Evaporator
Max. Vacuum Degree	0.098 Mpa
Pump Power & Water Bath Volume	180W & 15Lit
Flow Rate	80 Lit/min
Taps & Air Sucking Amount	2 Tap, 10 Lit/min (1 Tap)
External Circulation Nozzle	id. 5/od. 10mm (id. 8/od.11 mm Silicone tube Connected for Circulation)
Safety Function	Safety Check Valve
Drain Pipe	id. 15mm
Material of Water Tank / Body	PP / PP
Dimension & Net Weight	385×280×h420 mm / 11 kg
Electric Reqts.	230V, 50/60Hz
Cat. No.	**DH.WEV0003S**
Price, Each. ₩	787,930

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



(1) Without Return Holes



(2) With Return Holes



(3) With Filter

Premium Rotary Evaporator Safety Trap / Splash Head Adapter
With ASTM & DIN Joints, 100~500㎖, 에바포레이터 트랩(헤드 어댑터)

■ *Supplied by SciLab Korea*
■ *Custom-Made Available / 규격외 Items 자유롭게 주문하세요!*

(1) Evaporator Trap, without Return Holes 〈L1〉

① with ASTM Joint		Ea. Price,₩	② with DIN Joint		Ea. Price,₩
SL.Ada2280	100㎖, 24/40	35,650	SL.Ada2283	100㎖, 29/32	38,840
SL.Ada2281	250㎖, 24/40	35,870	SL.Ada2284	250㎖, 29/32	39,050
SL.Ada2282	500㎖, 24/40	40,150	SL.Ada2285	500㎖, 29/32	41,150

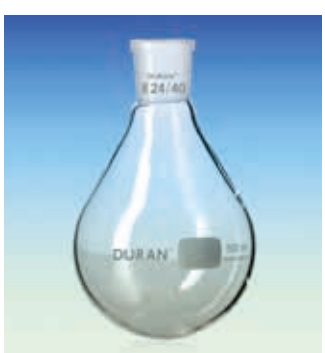
(2) Evaporator Trap, with Return Holes

① with ASTM Joint		Ea. Price,₩	② with DIN Joint		Ea. Price,₩
SL.Ada2290	100㎖, 24/40	48,000	SL.Ada2296	100㎖, 24/29	47,890
SL.Ada2291	, 29/42	50,540	SL.Ada2297	, 29/32	51,120
SL.Ada2292	250㎖, 24/40	55,770	SL.Ada2298	250㎖, 24/29	56,050
SL.Ada2293	, 29/42	58,320	SL.Ada2299	, 29/32	58,820
SL.Ada2294	500㎖, 24/40	62,870	SL.Ada2300	500㎖, 24/29	62,870
SL.Ada2295	, 29/42	65,430	SL.Ada2301	, 29/32	65,930

(3) Evaporator Trap, with Glass Filter Disk

∗ Filter Porosity : "P1" 100~160㎛ : Protection of Condenser Contamination

① with ASTM Joint		Ea. Price,₩	② with DIN Joint		Ea. Price,₩
SL.Ada2303	250㎖, 24/40	70,890	SL.Ada2305	250㎖, 24/29	73,590
SL.Ada2304	, 29/42	72,740	SL.Ada2306	, 29/32	73,230



SciLab® Premium Evaporating Flask, with ASTM & DIN Joints, 100~3,000㎖
Made of DURAN® Flask, Borosilicate Glass 3.3, 에바포레이팅 플라스크

■ *Supplied by SciLab Korea* ■ *Custom-Made Available / 규격외 Items 자유롭게 주문하세요!*

〈L1〉

Capacity(㎖), Size Approx., od×h(mm)	(1) With ASTM-24/40 Joint		(2) With DIN-29/32 Joint	
	Cat. No.	Ea. Price, ₩	Cat. No.	Ea. Price, ₩
100㎖, Φ 60×h118mm	SL.Fla2061	29,740	SL.Fla2060	31,730
250㎖, Φ 81×h148mm	SL.Fla2063	35,300	SL.Fla2062	37,280
500㎖, Φ101×h178mm	SL.Fla2065	42,250	SL.Fla2064	44,230
1,000㎖, Φ126×h218mm	SL.Fla2067	53,900	SL.Fla2066	55,890
2,000㎖, Φ158×h248mm	SL.Fla2069	120,350	SL.Fla2068	122,330
3,000㎖, Φ176×h290mm	SL.Fla2070	200,100	-	-



SciLab® Premium Receiving Flask, with Spherical Socket, 100~2,000㎖
Ideal for Rotary Vacuum Evaporator, DURAN glass, 리시빙 플라스크

■ *Supplied by SciLab Korea*

〈L1〉

Cat. No.	Flask-type and Capacity (㎖)	Spherical Socket	Size Approx., od Φ×h (mm)	Ea. Price, ₩
SL.Fla2080	Receiving, 100㎖	35/20	Φ64×h110	45,880
SL.Fla2081	, 250㎖	〃	Φ85×h140	46,100
SL.Fla2082	, 500㎖	〃	Φ105×h170	48,190
SL.Fla2083	, 1,000㎖	〃	Φ131×h210	54,790
SL.Fla2084	, 2,000㎖	〃	Φ166×h240	88,000

Articles	Cat. No	Description



(1) Soxhlet -Set



(2) Condenser



(3) Extractor



Packing Case

SciLab® Premium Soxhlet Apparatus Set, With DURAN® Flask · Extractor · Condenser Boro Glass 3.3, With Safety GL14 PP Connect-Kit, 쏙시렛 추출기 세트

■ ***Supplied by SciLab Korea*** ■ ***Boro Glass 3.3***
■ ***Custom-Made Available / 규격외 Items 자유롭게 주문하세요!***
■ ***Complete Set : Allihn Condenser & Extractor & 24/40 DURAN® Flat Bottom Flask***
∗ Safety Hose Connection-Type, with 2 "PP" Hose Connection GL 14 PP-Kit

〈L1〉

(1) Soxhlet Appa. Set, With 24/40 DURAN® Flask · Condenser · Extractor

		Set.	Price ₩
SL.Ext2005	Soxhlet Appa, 100㎖ Set, with 34/35 Condenser 25cm, 24/40 DURAN Flask		97,800
SL.Ext2006	, 250㎖ Set, with 45/40 Condenser 25cm, 24/40 DURAN Flask		120,850
SL.Ext2007	, 500㎖ Set, with 55/44 Condenser 28cm, 24/40 DURAN Flask		163,250

(2) Spare Condenser

		Pk.	Price ₩
SL.Ext2010	Condenser, Allihn, GL14, 34/35, Jacket-L250×od Φ30×thick 2.0mm	1ea	51,800
SL.Ext2011	, 45/40, -L250×od Φ40×thick 2.3mm	1ea	48,030
SL.Ext2012	, 55/44, -L280×od Φ52×thick 2.5mm	1ea	84,000

(3) Spare Extractor With ASTM 24/40 Cone

		Pk.	Price ₩
SL.Ext2020	Extractor, 24/40 Cone, 34/35 Socket, Body Cup-L190×Φ40×thick 2.3mm	1ea	51,250
SL.Ext2021	, 45/40 Socket, -L200×Φ50×thick 2.5mm	1ea	71,350
SL.Ext2022	, 55/44 Socket, -L220×Φ60×thick 3.2mm	1ea	107,040

(4) Spare DURAN® Flat Bottom Flask With ASTM 24/40 Socket

		Ea.	Price ₩
SL.Fla2154	Flask, Flat Bottom, 24/40, 100㎖, Φ64×h110mm		15,400
SL.Fla2155	, 250㎖, Φ85×h140mm		16,900
SL.Fla2157	, 500㎖, Φ105×h170mm		23,550

(5) Optional Extractor With DIN 24/29 Cone

		Ea.	Price ₩
SL.Ext2020.0	Extractor, 24/29 Cone, 34/35 Socket, Body Cup-L190×Φ40×thick 2.3mm	1ea	51,250
SL.Ext2021.0	, 45/40 Socket, -L200×Φ50×thick 2.5mm	1ea	71,350
SL.Ext2022.0	, 55/44 Socket, -L220×Φ60×thick 3.2mm	1ea	107,040

(6) Optional SciLab® Flat Bottom Flask With DIN 24/29 Socket NEW

		Ea.	Price ₩
SL.Fla2722	Flask, Flat Bottom, 24/29, 100㎖, Φ64×h110mm		15,400
SL.Fla2724	, 250㎖, Φ85×h135mm		16,900
SL.Fla2726	, 500㎖, Φ105×h162mm		23,550



SciLab® Extractor Thimble, DURAN glass, with Sintered Glass Filter, 유리 팀블필터

■ ***Supplied by SciLab Korea*** ■ ***Custom-Made Available / 규격외 Items 자유롭게 주문하세요!***
∗ Fit into Standard Soxhlet Extraction Tube ∗ Highly Resistant to Chemical Attack

〈L1〉

		Ea.	Price ₩
SL.Ext2025	Extractor Thimble, Disc Φ23mm, od Φ26×h 95×thick 1.4mm, P1		33,520
SL.Ext2026	Φ30mm, od Φ34×h 95×thick 2.0mm, P1		42,150
SL.Ext2027	Φ40mm, od Φ42×h125×thick 2.3mm, P1		49,700



Extraction Thimbles Filter

filtratech® Extraction Thimbles Filter, Up to 550℃, <France-Made> 원통 여과지

■ ***쏙시렛과 같은 추출기와 함께 사용되며, 미세 유리 섬유로 구성된 원통 여과지로 고온에 적합***
∗ Ideal for Accurately Extracting Specific Particles from a Solid Substance
∗ Neutral and Fat Free ∗ High Mechanical Strength and an Excellent Retention Capacity.
∗ Selectable Depending on the Temperature of the Extraction

〈L1〉

(1) Cellulose Extraction Thimble Filter, Cotton Linter fibers

		Pk.	Price, ₩
FL.ETC26.60	Thimble Filter, Cellulose, id 26×h60mm	25ea	100,150
FL.ETC28.100	, id 28×h100mm	25ea	100,150
FL.ETC30.80	, id 30×h80mm	25ea	100,150
FL.ETC33.80	, id 33×h80mm	25ea	93,050
FL.ETC33.94	, id 33×h94mm	25ea	125,230
FL.ETC33.118	, id 33×h118mm	25ea	107,180

(2) Glass Microfiber Extraction Thimble Filter, Up to 550℃

		Pk.	Price, ₩
FL.ETG22.80	Thimble Filter, Glass-fiber, id 22×h80mm	25ea	567,550
FL.ETG30.100	, id 30×h100mm	25ea	580,590

※ The Price(VAT is extra) for Korean End-user, and Changeable.

DAIHAN® 3 & 6 Places Multiuse Heating Mantle, for 250~1000㎖ Flasks, 450℃, with Certi. & Traceability

With Glassware Supporting Rod & Hook, Ideal for Extraction · Reflux · Distillation Applications, Lower Profile

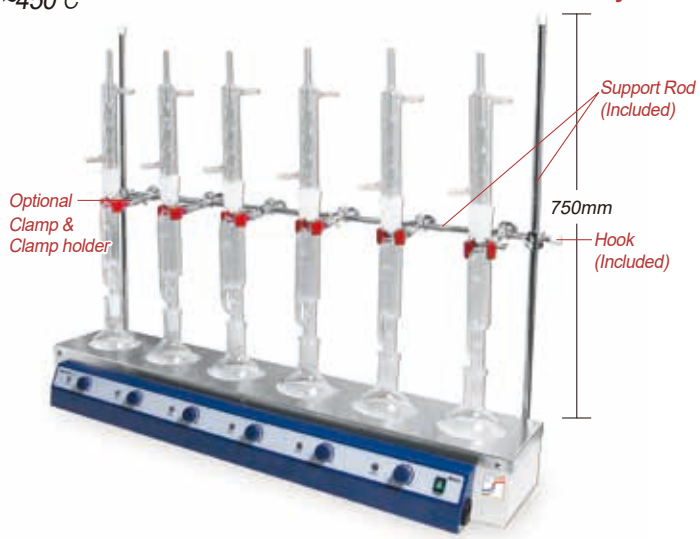
3 & 6구 다용도 히팅맨틀, 추출 · 환류 · 증류용 등에 적합, 250~1000㎖ 둥근 플라스크용

- ***Supplied by DAIHAN Korea***
- ***Fit to DURAN, Glassco, Pyrex and Other-brand Round Flasks***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
- ***Ideal for Repetitive Extraction (Kjeldahl, Soxhlet and other Extraction Procedure), Reflux and Distillation Laboratory Applications***

∗ Top Cover ; Stainless-steel 304, Body ; Powder Coated Steel
∗ Analog Controller Built-in System
∗ Nickel Chrome Heating Element - Coil Type
∗ Rods and Hooks for Rods Connection
∗ Optional Clamp & Clamp Holder for Glassware ; Order Separately

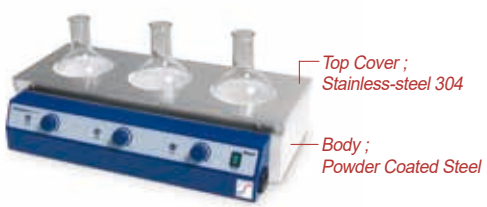
~450℃

2-Year Warranty



6 places Heating Mantle
(WHM12293)

2-Year Warranty



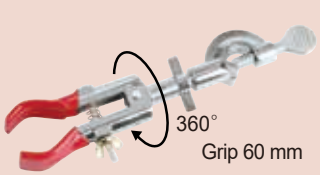
3 places Heating Mantle
(WHM12391)

〈L1〉

Working Places	Catalog No.		Round Flask 250~1000㎖			Watts(W)	Inside Depth (mm)	Dimension w×d×h (mm)	Ea. Price, ₩
	230V	120V	Capa. (㎖)	Dia. Max. Φ (mm)	Bottom Style				
6 places	DH.WHM12291	DH.WHM12292	250/300	83 ~ 86	Flat	840	50	800×240×110	542,000
6 places	DH.WHM12293	DH.WHM12294	250/300	83 ~ 86	Round	840	50	800×240×110	542,000
6 places	DH.WHM12295	DH.WHM12296	500	102 ~ 105	Round	1440	65	950×270×130	543,000
3 places	DH.WHM12391	DH.WHM12392	500	102 ~ 105	Round	720	65	550×270×130	365,000
3 places	DH.WHM12393	DH.WHM12394	1,000	130 ~ 133	Round	1050	75	690×340×170	509,000

Spare Support Rod & Hook Set

		Ea. Price, ₩
DH.WHM30500	Support Rod & Hook Set, **"MHR01"**, for 3Places 500㎖, 2×750-/1×500-mm Rod and 2×Hook for Rod	33,000
DH.WHM31000	, **"MHR02"**, for 3Places 1000㎖, 2×750-/1×600-mm Rod and 2×Hook for Rod	33,000
DH.WHM60250	, **"MHR03"**, for 6Places 250-/300-㎖, 2×750-/1×900-mm Rod and 2×Hook for Rod	33,000
DH.WHM60500	, **"MHR04"**, for 6Places 500㎖, 2×750-/1×940-mm Rod and 2×Hook for Rod	33,000



※ Optional Clamps & Clamp holders
⇒ See the "Clamps/Holders" Section

DAIHAN® Extraction Water Bath "WEB", Multi-purpose, 4 · 6 · 8 Place, for 250~500㎖ Flasks, with Certi. & Traceability

With Concentric Ring Cover Sets & Holding Frame, Digital Fuzzy Control, Back Light LCD, up to 100℃, ±0.2℃

다용도 추출용 항온수조, 4 · 6 · 8 구, 컨센트릭 링 커버 세트 & 홀딩 프레임 포함, 250~500㎖ 둥근 플라스크용

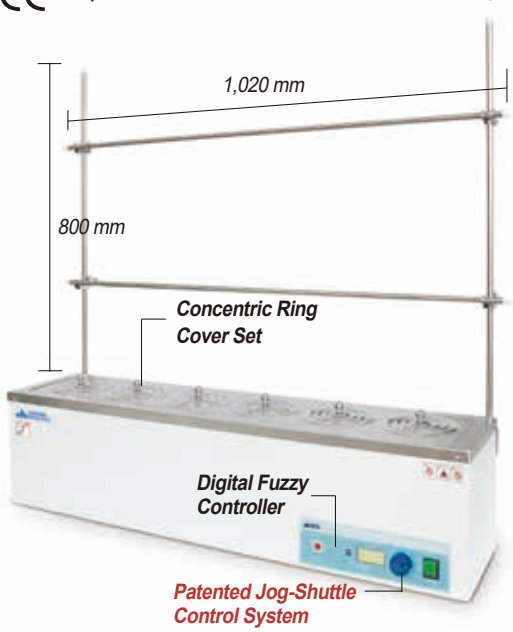
CE *up to 100℃*



2-Year Warranty

4-Place Extraction Water Bath "WEB-4"

CE *up to 100℃* *2-Year Warranty*



6-Place Extraction Water Bath "WEB-6"



(1) Lid with Concentric Ring Cover Set (Included)

- ***Supplied by DAIHAN Korea*** ■ ***CE Certified*** ■ ***PL (Product Liability) Insurance***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
- ***Digital Fuzzy Control System Implementing Superior Temperature Accuracy***
- ***Concentric Ring Cover Sets make Effective Steaming Work***
- ***Patented Jog-Shuttle Control System and Digital LCD with Back-Light Function***

* 4 · 6 · 8 Extraction Place are available.
* Includes Concentric Ring Cover Set & Holding Frame
* User's Self-compensation Function to Control Difference between Real Temperature and Indicated Temperature (±10.0℃).
* High Quality 304 Stainless-steel Bath and Holding Frame for Superior Durability.
* Storage Function for the Set Values of Temperature and Timer.
* Alarm Function : Error Status and Timer-end.
* Locking Mode Supported for Experimental Safety (Input to Jog-Shuttle can be Disabled).

Specifications & Ordering information

〈L1〉

Spec. \ Model		"WEB-4" 4 Place	"WEB-6" 6 Place	"WEB-8" 8 Place
Flask Capacity		250 ~ 500㎖ almost all Round Flasks		
No. of Extraction Holes		4 Place	6 Place	8(4×2) Place
Temp. Range & Accuracy		Room Temp +5 ℃ to 100 ℃, ±0.2℃		
Temp. Uniformity & Sensor		±1.0℃, PT100		
Heating Power		1.4 kW	1.8 kW	1.4 kW×2
Timer & Alarm		99hr 59min (Delay & Continuous run), Error status & Timer-end		
Display		Digital LCD with Back-Light Function		
Controller		Digital Fuzzy Controller with Jog-Shuttle Switch (Turn+Push)		
Safety Circuit		Over-Temp./-Current protection, Sensor Error Detection, Leakage Breaker		
Material		Internal : Stainless-steel (#304), External : Powder Coated steel Holding Frame : Stainless-steel		
Lid		Concentric Ring Cover Set Included		
Top Opening Dia.		Φ36 · Φ65 · Φ96 · Φ110mm		
Bath Depth		122mm		
Drain Valve		Mounted		
Dimension (w×d×h)	Internal	610×160×h160mm	910×140×h160mm	610×290×h160mm
	External	680×245×h275mm	975×245×h275mm	720×375×h275mm
Packing Size (mm) and Gross Weight (kg)		1,100×350×h400, 18 kg	1,250×350×h400, 25 kg	900×450×h400, 34 kg
Electrical Reqts.		1 Phase, AC 120V, 60Hz or 230V, 50 / 60Hz		
Cat. No.	230V	DH.WEB01004	DH.WEB01006	DH.WEB01008
	120V	DH.WEB02004	DH.WEB02006	DH.WEB02008
Price, Each. ₩		850,000	970,000	1,148,000

* Other Specifications are available upon Customer's Request.

※ 운임 별도

Spare Lid with Concentric Ring Cover Set and Holding Frame Set

		Ea. Price, ₩
DH.WEB11000	(1) Lid with Concentric Ring Cover Set, **"EBC100"**, for all **"WEB"** models	37,500
DH.WEB21004	Holding Frame Set, **"EBF100"**, for **"WEB-4"**, 2ea×800mm Pole & 2ea×700mm Pole	67,500
DH.WEB21006	Holding Frame Set, **"EBF200"**, for **"WEB-6"**, 2ea×800mm Pole & 2ea×1,020mm Pole	68,800
DH.WEB21008	Holding Frame Set, **"EBF300"**, for **"WEB-8"**, 4ea×800mm Pole & 4ea×740mm Pole	107,500

※ The Price(VAT is extra) for Korean End-user, and Changeable.



Filtration

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Filter Flasks ..... P. 333~334

Filter Funnels ..... P. 368~371

- Büchner Funnels ..... P. 368~370
- Glass Filter Funnels ..... P. 370~371
- Porcelain Hirsch Funnels ..... P. 370
- Vacuum Filter Adapters ..... P. 368

Filter Holders / Vacuum ..... P. 296~299

- Bottle Top Vacuum Filter System ..... P. 296
- Screw Filter Holders ..... P. 297
- Tube Top Vacuum Filter System *New* ..... P. 296
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- Vacuum Filtration Apparatus Kits ..... P. 298~299

Filter Holders / Vacuum Manifolds ..... P. 300

- Single- / 3- / 6-Branches ..... P. 300
- Vacuum / Pressure Diaphragm Pumps ..... P. 300

Filters ..... P. 301~312

- Filter Papers ..... P. 301~305
- Membrane Filters ..... P. 307~309
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Articles	Cat. No	Description

Biofil® 150~1000㎖ Disposable Sterile Bottle Top Vacuum Filter System, PS, with Filter Cup · Connector · Bottle, Pore 0.22 & 0.45㎛
For Large-scale Filtration of Tissue Culture Fluids, with GL45 Neck & Graduation, **일회용 PS 바틀탑 진공여과장치 세트**


(1) Bottle Top Filter System


(2) Upper Filter Cup



(3) 150~1,000㎖ Reservoir Bottle

- ***Manufactured in Class 100,000 Cleanroom with Materials Conforming to USP CLASS VI Standards under the Quality Control of ISO 13485 & 9001 and CE.***
- ***Batch Certifications : Lot No. is Printed on Every Case (or Pack) for Quality Traceability.***
- ***Complete Set : Upper Cup(PS) including Filter Membrane(PES/PVDF/Nylon), Upper Cup Cover(PS), Green Connector(ABS), White Hose Connector(PP), and GL45 Reservoir Bottle(PS)***

∗ Ideal for Sterile Filtration of Bases, Buffers and Reagents
∗ Sample Processing Volume can be up to Several Liters, Filtered Sample can be directly stored in a Bottle.
∗ Upper Cup has a GL45 Thread and Fits most of Media Storage Bottles.
∗ Sloped Hose Fittings make it easier to Connect to Vacuum Pipelines; od Φ6.2~12.6mm
∗ Reservoir Bottle : Easy-grip Design on both Sides, Pressure Resistance ∗ Good Transparency, Clear Scale
∗ DNase/RNase-free and Non-pyrogenic ∗ Individual γ-Sterile Vacuum Package

(1) Disposable Vacuum Filter System Complete Set, Sterile
‹L1›

Capacity / Division	Pore Size	(1) PES Membrane		(2) PVDF Membrane		(3) Nylon Membrane	
		Cat. No.	Cs. Price, ₩	Cat. No.	Cs. Price, ₩	Cat. No.	Cs. Price, ₩
150 / 25㎖	0.22㎛	**J1.F204.150** NEW	12ea 92,420	**J1.F203.150** NEW	12ea 92,420	-	-
250 / 25㎖	0.22㎛	**J1.F204.250**	12ea 112,320	**J1.F203.250**	12ea 120,550	**J1.F202.250**	12ea 120,550
500 / 50㎖	0.22㎛	**J1.F204.500**	12ea 147,990	**J1.F203.500**	12ea 148,290	**J1.F202.500**	12ea 148,290
1000 / 50㎖	0.22㎛	**J1.F204.000**	12ea 240,870	**J1.F203.000**	12ea 241,090	-	-
150 / 25㎖	0.45㎛	**J1.F404.150** NEW	12ea 92,420	**J1.F403.150** NEW	12ea 92,420	-	-
250 / 25㎖	0.45㎛	**J1.F404.250**	12ea 112,320	**J1.F403.250**	12ea 120,550	**J1.F402.250**	12ea 104,190
500 / 50㎖	0.45㎛	**J1.F404.500**	12ea 147,990	**J1.F403.500**	12ea 148,290	**J1.F402.500**	12ea 128,150
1000 / 50㎖	0.45㎛	**J1.F404.000**	12ea 240,870	**J1.F403.000**	12ea 241,090	-	-

(2) Upper Filter Cup, with GL45 Screw and Vacuum Hose Connector, Sterile
∗ Case Q'ty ; 24ea/Cs

Capacity / Division	Pore Size	(1) PES Membrane		(2) PVDF Membrane		(3) Nylon Membrane	
		Cat. No.	Pk. Price, ₩	Cat. No.	Pk. Price, ₩	Cat. No.	Pk. Price, ₩
150 / 25㎖	0.22㎛	**J1.F214.150** NEW	1ea 6,200	**J1.F213.150** NEW	1ea 6,200	-	-
250 / 25㎖	0.22㎛	**J1.F214.250**	1ea 7,370	**J1.F213.250**	1ea 7,370	**J1.F212.250**	1ea 7,370
500 / 50㎖	0.22㎛	**J1.F214.500**	1ea 9,370	**J1.F213.500**	1ea 9,380	**J1.F212.500**	1ea 9,380
1000 / 50㎖	0.22㎛	**J1.F214.000**	1ea 15,280	**J1.F213.000**	1ea 15,280	-	-
150 / 25㎖	0.45㎛	**J1.F414.150** NEW	1ea 6,200	**J1.F413.150** NEW	1ea 6,200	-	-
250 / 25㎖	0.45㎛	**J1.F414.250**	1ea 7,370	**J1.F413.250**	1ea 7,370	**J1.F412.250**	1ea 7,000
500 / 50㎖	0.45㎛	**J1.F414.500**	1ea 9,370	**J1.F413.500**	1ea 9,380	**J1.F412.500**	1ea 8,920
1000 / 50㎖	0.45㎛	**J1.F414.000**	1ea 15,280	**J1.F413.000**	1ea 15,280	-	-

(3) Reservoir Bottle, PS, for Filter System, heavy-wall & GL45 HDPE Screw, Sterile, 150~1,000㎖

		Pk.	Price, ₩	Cs.	Price, ₩
J1.F010.150	Reservoir Bottle, PS, 150㎖ , Φ88.7×h57mm , Neck id 45mm	1ea	2,620	24pk	56,640
J1.F010.250	, 250㎖ , Φ88.7×h80mm , Neck id 45mm	1ea	2,940	24pk	63,970
J1.F010.500	, 500㎖ , Φ98.0×h111mm , Neck id 45mm	1ea	3,280	24pk	71,270
J1.F010.001	, 1000㎖, Φ113.6×h175mm, Neck id 45mm	1ea	8,390	24pk	182,650

Biofil® Sterile Tube Top Vacuum Filter Systems/Set, Fit to 50㎖ Centri-Tube, Φ50mm Membrane, Pore 0.22 & 0.45㎛
Including a Vacu-Upper Filter Cup 150㎖+50㎖ Conical Centri-Tube & Cap+Tube Holder(Base), **튜브 탑 진공여과장치 세트,** 50㎖ **원심관용**





- ***50㎖ 원심분리 튜브로 직접 여과 작업하여 교차 오염 및 불필요한 이동을 최소화하는데 용이***
- ***Manufactured in Class 100,000 Cleanroom with Materials Conforming to USP CLASS VI Standards under the Quality Control of ISO 13485 & 9001 and CE.***
- ***Batch Certifications : Lot No. is Printed on Every Case (or Pack) for Quality Traceability.***
- ***Complete Set : ① 150㎖ Upper Filter Cup(PS), Including Φ50mm Membrane(PES/PVDF), ② Green Connector(ABS) ③ White Connector(PP), ④ 50㎖ Conical Centrifuge-Tube & Cap, ⑤ Centri-Tube Holder(Base)***

∗ Sterilized by Gamma Radiation.
∗ DNase/RNase Free, Non-pyrogenic and Non-cytotoxic
‹L1›

		Set.	Price, ₩	Cs.	Price, ₩
J1.FCF010.004	Tube Vacu Filter Sys, 150㎖ Cup & 50㎖ Tube, Sterile, PES, 0.22㎛		8,780	12set	95,650
J1.FCF010.003	, 0.45㎛		8,780	12set	95,650
J1.FCF010.008	Tube Vacu Filter Sys, 150㎖ Cup & 50㎖ Tube, Sterile, PVDF, 0.22㎛		8,780	12set	95,650
J1.FCF010.007	, 0.45㎛		8,780	12set	95,650

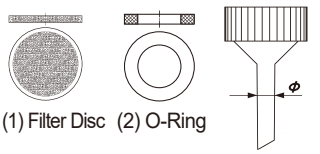
Spare 150㎖ Vacuum Upper Filter Cup, with Connector

		Ea.	Price, ₩	Pk.	Price, ₩
J1.FCF000.004	Vacuum Upper Filter Cup, 150/㎖, Sterile, PES, 0.22㎛		6,200	24ea	135,250
J1.FCF000.003	, 0.45㎛		6,200	24ea	135,250
J1.FCF000.008	, PVDF, 0.22㎛		6,200	24ea	135,250
J1.FCF000.007	, 0.45㎛		6,200	24ea	135,250

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description





DURAN® 30 · 250 · 1,000㎖ Assembly Screw Filter Holder Set, Boro-glass 3.3

For Vacuum Filtration, Disc Φ24, 50 or 90 mm, No Need Clamps, Autoclavable, <Germany-Made> **진공여과장치**

■ ***Can be replaced the Filter Disc from Porosity 10㎛~160㎛ on Purpose*** ■ ***No Need Clamps.***

〈L1〉

Screw Filter Holder Set, with PP funnel/O-ring, without Filter Disc

		Ea.	Price, ₩
DU.2472024	Filter Holder Set, Screw, 30㎖ , for disc Φ24mm		42,120
DU.2472050	, 250㎖ , for disc Φ50mm		81,120
DU.2472090	,1000㎖, for disc Φ90mm		188,200

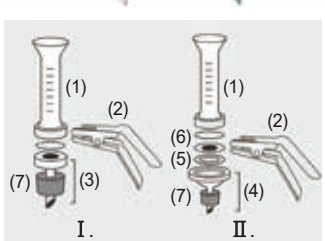
(1) Optional Filter Discs

Pore Size (㎛)	Filter Disc Φ24mm		Filter Disc Φ50mm		Filter Disc Φ90mm	
	Cat. No.	Ea. Price, ₩	Cat. No.	Ea. Price, ₩	Cat. No.	Ea. Price, ₩
P1, 100～160㎛	**DU.2520241**	36,630	**DU.2520501**	60,740	**DU.2520901**	126,030
P2, 40～100㎛	**DU.2520242**	36,630	**DU.2520502**	60,740	**DU.2520902**	126,030
P3, 16～ 40㎛	**DU.2520243**	36,630	**DU.2520503**	60,740	**DU.2520903**	126,030
P4, 10～ 16㎛	**DU.2520244**	42,930	**DU.2520504**	61,850	**DU.2520904**	127,150

Spare Accessories

		Ea.	Price, ₩
DU.2922024	(2) **Spare Seal O-Ring**, for Φ24 Disc, Viton.		2,870
DU.2922050	, for Φ50 Disc		7,440
DU.2922090	, for Φ90 Disc		14,690
DU.2922124	(3) **Spare PP Funnel**, for 30㎖		8,180
DU.2922150	, for 250㎖		10,650
DU.2922190	, for 1Lit		15,900
DU.2472124	**Spare Glass Head-funnel**, 30㎖		28,600
DU.2472150	, 250㎖		60,240
DU.2472190	, 1Lit		151,170





Glassco® 15㎖/25mm Glass Microanalysis Vacuum Filter Holder Kit, without Flask

With 15㎖ Graduated Glass Funnel, Fritted Glass or Stainless-steel Support, **진공여과장치, 여과병은 별도**

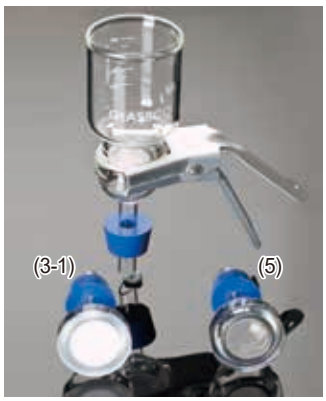
∗ Used to Filter under Vacuum/Small Volumes for Particulate or Biological Contamination Analysis
∗ Ideal for Durapore PVDF Membrane or Unlaminated PTFE for Solvent Applications with This Apparatus

〈L1〉

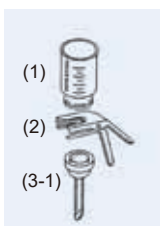
		Pk.	Price, ₩
Ⅰ. **GL.259.202.01**	**15㎖ Kit with 40~60㎛ Fritted Glass Support ;** w/Φ25mm Graduated Glass Funnel 15㎖, Al-Clamp	1kit	182,570
Ⅱ. **GL.259.202.03**	**15㎖ Kit with Stainless-steel 120 mesh Screen Support ;** w/ Φ25mm Graduated Glass Funnel 15㎖, Al-Clamp & Glass Base, PTFE-gasket	1kit	185,290
GL.259.245.01	**Spare,** (1) Φ25mm Glass Funnel Graduated 15㎖	1ea	31,470
GL.259.245.03	**,** (2) Φ25mm Al-Clamp	1ea	58,800
GL.259.245.02	**,** (3) Φ25mm Fritted Glass Support w/ Stopper <for GL.259.202.01>	1ea	83,940
GL.259.245.05	**,** (4) Φ25mm Glass Base w/ Stopper <for GL.259.202.03>	1ea	62,880
GL.259.245.07	**,** (5) Φ25mm PTFE-Gasket	6ea	2,670
GL.259.245.08	**,** (6) Φ25mm SS Support Screen <for GL.259.202.03>	1ea	21,000
GL.259.245.06	**,** (7) Silicone Stopper, w/ 9.3mm Hole, Top-od 28.5, Bottom-od 23.8mm	1ea	8,490

		Ea. Price,₩	Pk.	Price, ₩
DU.2120124	**Option,** Flask, Filter, 100㎖, Φ65×h105mm, Neck id-24mm	39,180	10ea	379,880

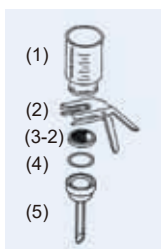
Articles	Cat. No	Description



300㎖/47mm Filter Holder Kit



GL.260.202.01
Ⅰ with Fritted Glass Base



GL.262.202.01
Ⅱ with SS Screen

Glassco® 300㎖ or 500㎖/47mm Vacuum Filter Holder Kit, without Filter Flask
With Fritted Glass- or Stainless-steel Screen Support, <India-Made> 진공여과장치/홀더, 여과병은 별도

∗ Main Filter Holder : Boro-glass 3.3, 300㎖ Graduated Funnel. ∗ Option ; 500㎖ Funnel & Filtering Flasks.
∗ Kit Component ; (1) 300㎖/Φ47mm Funnel, (2) Al-Clamp & Φ40/33 Silicone Stopper, (3-1) 40~60㎛ Fritted Glass Support Base

Ⅰ. 300㎖ Filter Holder Kit with 40~60㎛ Fritted Glass Base

∗ Application: Bacteriological Analysis of Water (Using 47mm Sterile Membrane Filters), Analysis of Suspended Solids in Water (Using 47mm Depth Filters)

〈L1〉

		Kit.	Price, ₩
GL.260.202.01	300㎖ Filter Holder Kit, with (3-1) 40~60㎛ Fritted Glass Base, (1) 300㎖/47mm Graduated Funnel, (2) Al-Clamp, and Φ40/33mm Silicone Stopper	1kit	242,270

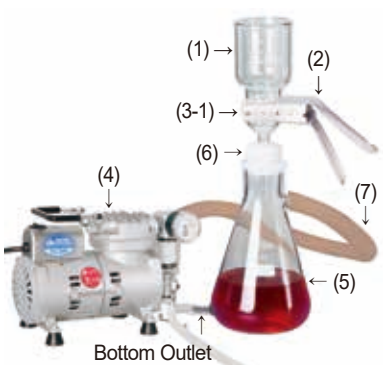
Ⅱ. 300㎖ Filter Holder Kit with 100mesh Stainless-steel (SS) Screen

∗ Application: Particulate Contamination Analysis of Oils and Hydraulic Fluids by Gravimetric or Particulate Counting Methods Exfoliative Cytology Applications

		Kit.	Price, ₩
GL.262.202.01	300㎖ Filter Holder Kit, with (3-2) 100mesh SS Screen, (1) 300㎖/47mm Graduated Funnel, (2) Al-Clamp, (4) Φ47mm PTFE Gasket, (5) Φ47mm Glass Base for SS Screen Support, and Φ40/33mm Silicone Stopper.	1kit	244,870

		Ea.	Price, ₩
GL.258.245.01	**Spare,** (1) 300㎖/Φ47mm Graduated Glass Funnel		54,500
GL.258.245.02	**,** (2) Φ47mm Aluminum Clamp		60,370
GL.260.245.02	**,** (3-1) Φ47mm/40~60㎛ Fritted Glass Base, for Only "GL.260.202.01" kit.		114,780
GL.262.245.04	**,** (3-2) 100mesh Stainless-steel(SS) Screen		25,520
GL.262.245.05	**,** (4) Φ47mm PTFE Gasket		3,030
GL.262.245.03	**,** (5) Φ47mm Glass Base for SS Screen Support		88,930
GL.258.245.01A	**Option,** 500㎖/Φ47mm Graduated Glass Funnel		92,820
SL.Fla2413	**,** Filtering Flask, Bottom-Outlet, 1 Lit , Neck id-34mm		50,480
SL.Fla2414	, 2.5 Lit, -40mm		102,950
SL.Fla1114	**,** Filtering Flask, Standard 1000㎖, Filter Flask, Neck id-34mm		25,350
DU.2120154	-45mm, DURAN®		73,120
SL.Sto6107	**,** Silicone Stopper, Center Hole Φ14mm, for Neck id-45mm		5,850

SciLab® 300㎖/47mm Vacuum Filtration Apparatus Complete Set with Vacuum Pump(105mbar, Oil Free) "PU-300"
Ideal for General Filtration, with 1,000㎖ Outlet-type Filtering Flask, 진공여과장치 풀세트, 진공 펌프 포함



Vacuum Filtration Apparatus Complete Kit with 105mbar Oil Free Vacuum Pump "PU-300"

■ ***Set Component : (1) 300㎖ /Φ47mm Funnel (2) Al-Clamp & Φ40/33 Silicone Stopper***
(3) 40~60㎖ Fritted Glass Support Base (4) 105mbar Oil Free Vacuum Pump "PU-300"
(5) 1,000㎖ Outlet-type Filtering Flask
(6) Silicone Stopper, Center Hole Φ14mm, for Neck id-34mm
(7) High-Vacuum Rubber Tubing, Φ8/22×thick. 7.0mm, L1m

∗ Clamp for Bottom Outlet Hose can be Ordered Separately
∗ Used for General Filtration, Microbiological Test, Suspended Solid Test.

〈L1〉

		Kit.	Price, ₩
SL.Pu0300.260	**Filtering Appa. Complete Set with Vacu. Pump**, 105mbar, 220V, 50Hz, 20 Lit/min		729,600

〈L3〉

	Components/Spare Parts	Ea	Price, ₩
GL.260.202.01	300㎖ Filter Holder Kit, with (3) 40~60㎖ Fritted Glass Base, (1) 300㎖/47mm Graduated Funnel, (2) Al-Clamp, and Φ40/33mm Silicone Stopper. **▶ The Details ; See the "GL.260.202.01" Mentioned Above(Preceding Page)**		242,270
GL.258.245.01	(1) 300㎖/Φ47mm Graduated Glass Funnel		54,500
GL.258.245.02	(2) Φ47mm Aluminum Clamp		60,370
GL.260.245.02	(3-1) Φ47mm/40~60㎖ Fritted Glass Base, for Only "GL.260.202.01" kit.		114,780
DH.Pu0300	(4) 105mbar Oil Free Vacuum Pump "PU-300", 220V, 50Hz, 20Lit/min		396,000
SL.Fla2413	(5) Flask, Filtering, Outlet, 1,000㎖, Φ130×245mm, Neck id-34mm		50,480
SL.Sto6106	(6) Silicone Stopper, Center Hole Φ14mm, for Neck id-34mm		5,850
TUB.Ru013	(7) Tubing, Rubber, Hi-Vacu., id/od-Φ8/22×thick-7.0mm, L1m		36,890

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



DURAN® Premium Function 250 & 500㎖/Φ50 Filtering Apparatus Set, 40~100㎛

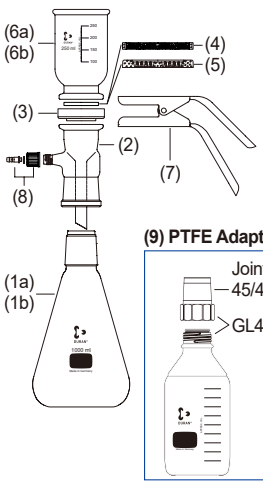
With 45/40 Joint Filter Flask 1 or 2Lit and All Glass & PTFE disc holder, <Germany-Made> 고품질 다기능 여과장치세트

■ ***Complete Set with : (1) 45/40 Joint Filter Flask of 1000 or 2000㎖, (2) 45/40 Joint Glass Base with GL14 Screw Hose Connection, (3) PTFE Disc Holder, (4) Φ50mm Glass Filter Disc of Por.2 (40~100㎛), (5) Φ48mm Glass Slit-Sieve Disc, (6) 250 or 500㎖ Scaled Funnel, (7) Anodised Aluminium Clamp, (8) GL14 Screw Plastic Hose Connector with Silicone Seal***

∗ Wide Application Scope of Filtration Using Filter Papers, 47mm Membrane Filters or Simply Using Glass Filters.
∗ Different Porosities are available between 10㎛ and 160㎛ (Cat No.DU.2520501~2520504), which makes it is possible to perform coarse and fine filtration in addition to analytical filtration.
∗ Features : - (4) Removable Filter Discs Ensure Easy Cleaning. - Only Glass and PTFE come into Contact with Medium.
- (5) Φ48mm Slit-Sieve Disc for Mounting Filter Papers & Membrane Filters.
- 250㎖ Graduated Funnel and Secure GL Screw Plastic Hose Connection.

<L1>

		Set	Price, ₩
SM.2571054	**Filtering Set with 8 Parts, 40~100㎛, 250㎖, with 45/40 Joint Flask 1Lit**	7parts	627,440
SM.2571063	**, 500㎖, with 45/40 Joint Flask 2Lit**	7parts	858,920



Components/Spare Parts

<L6>

		Ea.	Price, ₩
SL.Fla2092	(1a) 45/40 Joint Filter Flask, 1000㎖, for SM.2571054		85,800
SL.Fla2093	(1b) , 2000㎖, for SM.2571063		116,370
SM.2431732	(2) 45/40 Joint Glass Base with GL14 Screw Hose Connection		170,180
SM.2940028	(3) PTFE Disc Holder		114,600
DU.2520502	**(4) Φ50mm Glass Filter Disc of Por.2 (40~100㎛)**		60,740
SM.2134031	**(5) Φ48mm Glass Slit- Sieve Disc**		50,970
SM.2472236	(6a) Graduated Funnel, 250㎖, for SM.2571054		147,130
SM.2472244	(6b) , 500㎖, for SM.2571063		187,200
SM.2907636	(7) Anodised Aluminium Clamp		76,930
SL.Con3031	(8) Connect, PP, Strai, GL14, od. 8mm tube		1,530


(4)


(5)

Option : 10㎛~160㎛ Por. Glass Filter Discs Φ50mm, and Bottle Adapter

<L1>

		Ea.	Price, ₩
DU.2520501	**(4)** Φ50 Filter Disc, Por.1 (100~160㎛)		60,740
DU.2520503	, Por.3 (16~40㎛)		60,740
DU.2520504	, Por.4 (10~16㎛)		61,850
DU.2940012	**(9) Optional PTFE Adapter for GL Bottle**, with GL45 & 45/40 Joint		291,190



(9) PTFE Adapter

∗ Ideal for Filtrating to be Directly Collected in a GL45 Bottle ; Reducing the Risk of Contamination.
∗ Excellent Chemical Corrosion Resistance

TJV® 300㎖/Φ47 & 500㎖/Φ60mm Filtering Apparatus Set, with 40/38 & 45/40 Joint Filter Flask

Ideal for Strong Solvents & HPLC Media, with All Glass & PTFE Disc Holder, <China-made> 300/500㎖ 여과장치세트, 여과병 포함


(1) 300㎖ /Φ47 Filtering Apparatus Set

■ ***진공펌프와 함께 여과장치세트를 사용하여 빠르고 효과적인 여과 실험 가능***
■ ***Made of High-quality Extra Hard Glass*** ■ ***Sparking and Crystal-clear***
■ ***Complete Set with : (1) Filter Flask(1Lit or 2Lit), (2) Filter Head with Sieve Disc, (3) 300㎖ or 500㎖ Funnel, (4) Stainless-steel Cover, (5) Aluminium Clamp, (6) GL14 Screw Hose Connector, (7) 80cm Silicone Hose***

∗ Its Size Agrees with the International Standard Size. ∗ Used for Sterilization at High Temperature and High Pressure.
∗ It is mainly used in the Filtration of HPLC Mobile Phase and has the Function of Outgas to Guarantee the Clean of Mobile Phase and Avoid the Blockage of HPLC Liquid Flow Path.
∗ With Stainless-steel Cover on to Funnel ∗ Silicone Hose of ID 0.7×OD 1.3×L80cm Included

(1) Filtering Apparatus Set, without Vacuum Pump

<L1>

		Set	Price, ₩
TJ.FA0202	**Filtering Appa. Set**, 300㎖, with 40/38 Joint Flask 1Lit & Φ47 Filter Base 10㎛		252,000
TJ.FA0203	, 500㎖, with 45/40 Joint Flask 2Lit & Φ60 Filter Base 10㎛		308,700
TJ.FA0206	, 300㎖, with 40/38 Joint Flask 1Lit & 20㎛ PTFE disc Base		283,500

(2) 300㎖ Filtering Appa. Full-set with Anticorrosive Vacuum Pump, 20Lit/min

		Set	Price, ₩
SL.Pu202.107	300㎖ Filtering Appa. Full Set with Vacuum Pump, 20Lit/min, 200mbar, 230vac, 50Hz, 215×120×235mm		922,430


(2) Complete Filtering Apparatus Full Set with Diaphragm Pump "TJ.Pu0107"

Components/Spare Parts

		Ea	Price, ₩
TJ.Pu0107	**Vacuum Diaphragm Pump, "GM-0.33A"**, 20Lit/min, Anticorrosive		615,830
SL.Fla2090	40/38 Joint DURAN® Glass Filter Flask, 1000㎖, Φ131mm		86,470
SL.Fla2093	45/40 Joint DURAN® Glass Filter Flask, 2000㎖, Φ166mm		116,370
TJ.FA0218	Φ47mm Filter Base, 40/38, for 300㎖ Funnel, PTFE Sieve 20㎛		123,490
TJ.FA0210	, Glass Sieve 10㎛		91,350
TJ.FA0220	Φ60mm Filter Base, 45/40, for 500㎖ Funnel, Glass Sieve 10㎛		97,650
TJ.FA0208	Glass Funnel, 300㎖		50,400
TJ.FA0222	, 500㎖		75,600
TJ.FA0221	Anodized Aluminum Clamp, for 300㎖ Funnel		34,650
TJ.FA0223	, for 500㎖ Funnel		34,650
TJ.FA0213	GL14 Screw Plastic Hose Connector with Silicone Seal		12,600

Articles	Cat. No	Description



(1) FA0217 SS, Single-Branch, 300㎖ Funnel



(2) FA0211 SS, 3-Branch, 300㎖ Funnel



(3) FA0212 SS, 6-Branch, 300㎖ Funnel



(4) FA0214 Glass, 3-Branch, 300㎖ Funnel



(5) FA0215 Glass, 6-Branch, 300㎖ Funnel

TJV® Vacuum Manifolds & Filter Holder Funnel, Ideal for Strong Solvents & HPLC media

With All Stainless-steel & Glass Funnel, Single-/3-/6-Branchs, **진공 매니폴드 & 필터 홀더**

- ***Ideal for Chemistry Analyze, Biochemical, Pharmaceutical, Sanitation Test, Environment Test, Water Quality Analyze, Beverage and Science Research***
- ***Particular Design and Produce for Several Samples Filtrate at the Same Time***
- ***Single or Manifolds Vacuum Holder Operate Together***
- ***Stainless-steel Nature of the Manifolds Vacuum Holder can Filtrate at 180℃***
- ***High-quality Extra Hard Glass is Elegant in Workmanship, and be to Bear up 200℃***
- ***Type 316L Stainless-steel Resistant to Acids Alkalis, and be Able to bear Corrosion, Easy to High-Temperature Sterilization***
- ***Complete Set with : (1) Glass / Stainless-steel(316L) Funnel of 300㎖.***
  (2) PTFE Support Screen (Pore Size : 20㎛). (3) PTFE valve.
  (4) Glass or Stainless-steel Holder(316L). (5) Clamp of aluminum alloy.

∗ Each Holder have Individual Control Valve, Convenience in Antisepsis, High Efficiency
∗ Test Three or Six Samples at the Same Time, High Sensitivity, Low False-positive, and Easy to Operation
∗ Suitable Membrane: The Choosing of the Membrane Filter is the Key to the Best Filtration. The Nature of Membrane Filter must Suit for Different Chemical Performance of the Filter Medium. At Present Mostly are PVDF(organic), Synthetic Fabric Colophony Membrane(aqueous), and Nylon Membrane(both aqueous and organic).

Specification

Model	(1) FA0217	(2) FA0211	(3) FA0212	(4) FA0214	(5) FA0215
Specification	1-Branch	3-Branch	6-Branch	3-Branch	6-Branch
Funnel	Stainless-steel 316L of 300 ㎖			Glass of 300 ㎖	
Valve	PTFE			PTFE	
Support Screen	Stainless-steel 316L (Pore Size 100㎛)			PTFE (Pore Size 20㎛)	
Connection	Silicone Stopper			Glass Joint	
Holder	Stainless-steel 316L			Stainless-steel 316L	

Ordering

〈L1〉

Stainless-steel Manifolds, Stainless-steel Base

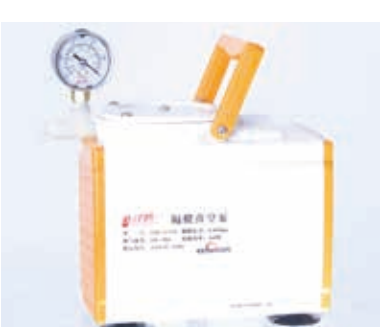
		Set Price, ₩
TJ.FA0217	(1) Stainless-steel Manifolds, 1-Branch, 300㎖ Stainless-steel Funnel, PTFE Valve, Screen 100㎛, Stainless-steel Connection with Silicone Stopper	705,600
TJ.FA0211	(2) Stainless-steel Manifolds, 3-Branchs, 300㎖ Stainless-steel Funnel, PTFE Valve, Screen 100㎛, Stainless-steel Connection with Silicone Stopper	1,518,300
TJ.FA0212	(3) Stainless-steel Manifolds, 6-Branchs, 300㎖ Stainless-steel Funnel, PTFE Valve, Screen 100㎛, Stainless-steel Connection with Silicone Stopper	2,375,100

Glass Manifolds, Stainless-steel Base

		Set Price, ₩
TJ.FA0214	(4) Glass Manifolds, 3-Branchs, 300㎖ Glass Funnel, PTFE Support Screen 20㎛, PTFE Valve, Glass 50/40 Joint Connection	1,411,200
TJ.FA0215	(5) Glass Manifolds, 6-Branchs, 300㎖ Glass Funnel, PTFE Support Screen 20㎛, PTFE Valve, Glass 50/40 Joint Connection	2,173,500

Components/Spare Parts

		Ea Price, ₩
TJ.FA0207	Stainless-steel 300㎖ 316L Funnel	113,400
TJ.FA0208	Glass Funnel 300㎖	50,400
TJ.FA0221	Anodized Aluminium Clamp	34,650



"GM-0.33A", 20Lit/Min
"GM-0.50A", 30Lit/Min(with Double Gouge)

TJV® Anti-corrosive Vacuum/Pressure Diaphragm Pump, 20 & 30 Lit/min.

With Moter Power 160W, Φ6mm Connecter, ≥0.08Mpa, 200mbar, **내부식 진공/압력 다이어프램 펌프**

- ***PTFE Coated as Pump's Chamber, Diaphragm & Valves, Suitable for Pumping Out Corrosive Gas or Organic Solvents***
- ***Application***
  - Vacuum Filtration and Drying System
  - Analysis / Scientific Equipments
  - Vacuum Desiccators / Cabinets
  - Rotary Evaporators

∗ Ideal for Medicinal Products Analysis, Tenuously Chemical Engineering, Biochemical Pharmacy, Food Examination, Investigating and Solving Criminal Case, High-accuracy Chromatogram Apparatus and HPLC Solvent Filter

〈L1〉

		Ea. Price, ₩
TJ.Pu0107	**Vacuum Diaphragm Pump, "GM-0.33A"**, 20Lit/min, Anticorrosive	615,830
TJ.Pu0109	**Vacuum/Pressure Diaphragm Pump, "GM-0.50A"**, 30Lit/min, Anticorrosive	850,500

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description

filtratech® Qualitative Standard Filter Papers, Made of 100% Cellulose, General Purpose, Φ47~320mm
Ideal for Various Applications, <France-Made> 정성여과지, 다용도



- ***병원 의료, 연구실, 학교/대학, 화학, 제약 등 산업분야에 적합***
- ***Ideal for Various Applications in Hospitals, Medical, in Research Laboratories, in Schools/Universities, in Industry such as Chemical, Pharmaceutical etc.***

	Weight (g/m²) DIN 53104	Thickness (mm)	Pore Size (㎛)	Filtration Speed (sec) DIN 53137	Burst Strength (kg/cm²)
(1) ST60	64	0.15	10~20	50	1.45
(2) ST61	73	0.16	5~13	88	1.95
(3) ST64	120	0.35	40	11	0.75

Filter Paper Conversion Chart

	Flow Rate	filtratech®	Whatman®	ADVANTEC®
Qualitative Standard	Smooth Medium	ST60	93	
	Medium	ST61	1	231
	Very Fast/Creped	ST64	113	

(1) Smooth Medium Filtration "ST60"

∗ Smooth Filter Paper with Medium Filtration for General Applications

〈L1〉

		Pk.	Price, ₩
FL.ST60.A055	Qualitative, Smooth Medium, Φ55mm	100ea	4,620
FL.ST60.A070	, Φ70mm	100ea	4,770
FL.ST60.A090	, Φ90mm	100ea	5,950
FL.ST60.A110	, Φ110mm	100ea	6,540
FL.ST60.A125	, Φ125mm	100ea	7,030
FL.ST60.A150	Qualitative, Smooth Medium, Φ150mm	100ea	10,120
FL.ST60.A185	, Φ185mm	100ea	11,830
FL.ST60.A240	, Φ240mm	100ea	15,720
FL.ST60.A320	, Φ320mm	100ea	22,480

(2) Medium Filtration "ST61"

∗ Filter Paper for Analytical Works in Laboratories with Medium Filtration

		Pk.	Price, ₩
FL.ST61.A055	Qualitative, Medium, Φ55mm	100ea	5,770
FL.ST61.A070	, Φ70mm	100ea	6,100
FL.ST61.A090	, Φ90mm	100ea	6,880
FL.ST61.A110	, Φ110mm	100ea	7,630
FL.ST61.A125	, Φ125mm	100ea	8,100
FL.ST61.A150	Qualitative, Medium, Φ150mm	100ea	10,080
FL.ST61.A185	, Φ185mm	100ea	12,680
FL.ST61.A240	, Φ240mm	100ea	17,350
FL.ST61.A320	, Φ320mm	100ea	26,190

(3) Very Fast/Creped Filtration "ST64"

∗ Creped Filter Paper with Very Fast Filtration

		Pk.	Price, ₩
FL.ST64.A047	Qualitative, Very Fast/Creped, Φ47mm	50ea	9,480
FL.ST64.A070	, Φ70mm	50ea	9,780
FL.ST64.A090	, Φ90mm	50ea	14,280
FL.ST64.A110	, Φ110mm	50ea	15,540
FL.ST64.A125	Qualitative, Very Fast/Creped, Φ125mm	50ea	16,470
FL.ST64.A150	, Φ150mm	50ea	19,400
FL.ST64.A185	, Φ185mm	50ea	22,150

Articles	Cat. No	Description



filtratech® Qualitative Analytical Filter Papers, Φ42.5~320mm

Ash Content < 0.06%, <France-Made> **정성여과지, 분석용**

- ***여과된 용액의 특성은 매우 정밀하게 판단하고 시료가 어떤 성분으로 구성되어있는지 확인하기 위한 정성분석에 적합***
- ***Made of High Purity Cotton Linters Fibers and Cellulose Fibers.***
- ***The Ash Content of Less than 0.06%***
- ***Ideal for Determinate with Great Precision the Nature of the Filtered Solutions and check the Composition of the Samples.***

	Weight (g/m²) DIN 53104	Thickness (mm)	Pore Size (㎛)	Filtration Speed (sec) DIN 53137	Burst Strength (kg/cm²)
(1) QL01	80	0.21	15~20	10	>20
(2) QL02	88	0.18	12~15	20	>20
(3) QL03	87	0.18	8~12	50	>30
(4) QL04	80	0.16	4~7	100	>20
(5) QL05	80	0.16	2~4	200	>20

Filter Paper Conversion Chart

	Flow Rate	filtratech®	Whatman®	ADVANTEC®
Qualitative Analysis	Very Fast	QL01	4	1
	Fast	QL02	597	2
	Medium	QL03	2	232
	Slow	QL04	6	
	Very Slow	QL05	5	235

<L1>

(1) Very Fast Filtration "QL01"

		Pk.	Price, ₩
FL.QL01.A042	Quali-Analysis, Very Fast, Φ42.5mm	100ea	5,620
FL.QL01.A047	, Φ47mm	100ea	6,290
FL.QL01.A055	, Φ55mm	100ea	6,290
FL.QL01.A070	, Φ70mm	100ea	7,070
FL.QL01.A090	, Φ90mm	100ea	8,440
FL.QL01.A110	, Φ110mm	100ea	9,890
FL.QL01.A125	Quali-Analysis, Very Fast, Φ125mm	100ea	12,720
FL.QL01.A150	, Φ150mm	100ea	15,500
FL.QL01.A185	, Φ185mm	100ea	19,650
FL.QL01.A240	, Φ240mm	100ea	31,950
FL.QL01.A320	, Φ320mm	100ea	59,970

(2) Fast Filtration "QL02"

		Pk.	Price, ₩
FL.QL02.A047	Quali-Analysis, Fast, Φ47mm	100ea	6,290
FL.QL02.A055	, Φ55mm	100ea	6,290
FL.QL02.A070	, Φ70mm	100ea	7,070
FL.QL02.A090	, Φ90mm	100ea	8,440
FL.QL02.A110	, Φ110mm	100ea	9,890
FL.QL02.A125	Quali-Analysis, Fast, Φ125mm	100ea	12,720
FL.QL02.A150	, Φ150mm	100ea	15,500
FL.QL02.A185	, Φ185mm	100ea	19,650
FL.QL02.A240	, Φ240mm	100ea	31,950
FL.QL02.A320	, Φ320mm	100ea	59,970

(3) Medium Filtration "QL03"

		Pk.	Price, ₩
FL.QL03.A042	Quali-Analysis, Medium, Φ42.5mm	100ea	5,620
FL.QL03.A047	, Φ47mm	100ea	6,290
FL.QL03.A055	, Φ55mm	100ea	6,290
FL.QL03.A070	, Φ70mm	100ea	7,070
FL.QL03.A090	, Φ90mm	100ea	8,440
FL.QL03.A110	, Φ110mm	100ea	9,890
FL.QL03.A125	Quali-Analysis, Medium, Φ125mm	100ea	12,720
FL.QL03.A150	, Φ150mm	100ea	15,500
FL.QL03.A185	, Φ185mm	100ea	19,650
FL.QL03.A240	, Φ240mm	100ea	31,950
FL.QL03.A320	, Φ320mm	100ea	59,970

(4) Slow Filtration "QL04"

		Pk.	Price, ₩
FL.QL04.A047	Quali-Analysis, Slow, Φ47mm	100ea	6,290
FL.QL04.A055	, Φ55mm	100ea	6,290
FL.QL04.A070	, Φ70mm	100ea	7,070
FL.QL04.A090	, Φ90mm	100ea	8,440
FL.QL04.A110	, Φ110mm	100ea	9,890
FL.QL04.A125	Quali-Analysis, Slow, Φ125mm	100ea	12,720
FL.QL04.A150	, Φ150mm	100ea	15,500
FL.QL04.A185	, Φ185mm	100ea	19,650
FL.QL04.A240	, Φ240mm	100ea	31,950
FL.QL04.A320	, Φ320mm	100ea	59,970

(5) Very Slow Filtration "QL05"

		Pk.	Price, ₩
FL.QL05.A047	Quali-Analysis, Very Slow, Φ47mm	100ea	6,290
FL.QL05.A055	, Φ55mm	100ea	6,290
FL.QL05.A070	, Φ70mm	100ea	7,070
FL.QL05.A090	, Φ90mm	100ea	8,440
FL.QL05.A110	, Φ110mm	100ea	9,890
FL.QL05.A125	Quali-Analysis, Very Slow, Φ125mm	100ea	12,720
FL.QL05.A150	, Φ150mm	100ea	15,500
FL.QL05.A185	, Φ185mm	100ea	19,650
FL.QL05.A240	, Φ240mm	100ea	31,950
FL.QL05.A320	, Φ320mm	100ea	59,970

※ The Price(VAT is extra) for Korean End-user, and Changeable.



filtratech® Ashless Quantitative Analytical Filter Papers, Φ47~185mm

Ash Content < 0.01%, <France-Made> **무회 정량여과지, 분석용**

- ***시료에 존재하는 특정 혹은 여러 가지 화학종들의 양을 결정하는 정량분석에 적합***
- ***Made of High Purity Cotton Linters Fibers and Cellulose Fibers.***
- ***The Ash Content of Less than 0.01%***
- ***Ideal for Count during Demanding Analysis.***

* Without Binder, The Range of Ashes Filters Cover all Uses with Various Filtration Speeds and Pore Sizes.

	Weight (g/m²) DIN 53104	Thickness (mm)	Pore Size (㎛)	Filtration Speed (sec) DIN 53137	Ash Content
(1) QT41	84	0.2	25~30	9	<0.01
(2) QT42	84	0.2	20~25	27	<0.01
(3) QT43	84	0.2	14~18	55	<0.01
(4) QT44	74	0.16	7~9	100	<0.01
(5) QT45	84	0.17	2~4	140	<0.01

Filter Paper Conversion Chart

	Flow Rate	filtratech®	Whatman®	ADVANTEC®
Qualitative Analysis	Very Fast	QT41	41	5A
	Fast	QT42	43	3
	Medium	QT43	40	5B
	Slow	QT44	44	6
	Very Slow	QT45	42	5C

<L1>

(1) Very Fast Filtration "QT41"

		Pk.	Price, ₩			Pk.	Price, ₩
FL.QT41.A047	Quanti-Analysis, Very Fast, Φ47mm	100ea	8,030	**FL.QT41.A110**	Quanti-Analysis, Very Fast, Φ110mm	100ea	19,480
FL.QT41.A055	, Φ55mm	100ea	8,030	**FL.QT41.A125**	, Φ125mm	100ea	24,340
FL.QT41.A070	, Φ70mm	100ea	9,780	**FL.QT41.A150**	, Φ150mm	100ea	33,400
FL.QT41.A090	, Φ90mm	100ea	13,870	**FL.QT41.A185**	, Φ185mm	100ea	47,370

(2) Fast Filtration "QT42"

		Pk.	Price, ₩			Pk.	Price, ₩
FL.QT42.A047	Quanti-Analysis, Fast, Φ47mm	100ea	8,030	**FL.QT42.A110**	Quanti-Analysis, Fast, Φ110mm	100ea	19,480
FL.QT42.A055	, Φ55mm	100ea	8,030	**FL.QT42.A125**	, Φ125mm	100ea	24,340
FL.QT42.A070	, Φ70mm	100ea	9,780	**FL.QT42.A150**	, Φ150mm	100ea	33,400
FL.QT42.A090	, Φ90mm	100ea	13,870	**FL.QT42.A185**	, Φ185mm	100ea	47,370

(3) Medium Filtration "QT43"

		Pk.	Price, ₩			Pk.	Price, ₩
FL.QT43.A047	Quanti-Analysis, Medium, Φ47mm	100ea	8,030	**FL.QT43.A110**	Quanti-Analysis, Medium, Φ110mm	100ea	19,480
FL.QT43.A055	, Φ55mm	100ea	8,030	**FL.QT43.A125**	, Φ125mm	100ea	24,340
FL.QT43.A070	, Φ70mm	100ea	9,780	**FL.QT43.A150**	, Φ150mm	100ea	33,400
FL.QT43.A090	, Φ90mm	100ea	13,870	**FL.QT43.A185**	, Φ185mm	100ea	47,370

(4) Slow Filtration "QT44"

		Pk.	Price, ₩			Pk.	Price, ₩
FL.QT44.A047	Quanti-Analysis, Slow, Φ47mm	100ea	7,030	**FL.QT44.A110**	Quanti-Analysis, Slow, Φ110mm	100ea	19,480
FL.QT44.A055	, Φ55mm	100ea	8,030	**FL.QT44.A125**	, Φ125mm	100ea	24,340
FL.QT44.A070	, Φ70mm	100ea	9,780	**FL.QT44.A150**	, Φ150mm	100ea	33,400
FL.QT44.A090	, Φ90mm	100ea	13,870	**FL.QT44.A185**	, Φ185mm	100ea	47,370

(5) Very Slow Filtration "QT45"

		Pk.	Price, ₩			Pk.	Price, ₩
FL.QT45.A047	Quanti-Analysis, Very Slow, Φ47mm	100ea	7,030	**FL.QT45.A110**	Quanti-Analysis, Very Slow, Φ110mm	100ea	19,480
FL.QT45.A055	, Φ55mm	100ea	8,030	**FL.QT45.A125**	, Φ125mm	100ea	24,340
FL.QT45.A070	, Φ70mm	100ea	9,780	**FL.QT45.A150**	, Φ150mm	100ea	33,400
FL.QT45.A090	, Φ90mm	100ea	13,870	**FL.QT45.A185**	, Φ185mm	100ea	47,370

Articles	Cat. No	Description



filtratech® Strengthened Ashless Quanti-Analytical Filter Papers

Φ55~185mm, Ash Content < 0.01%, <France-Made> **무회 정량여과지, 경화형**

- ***여과지의 표면을 경화시켜 산성 여과 및 침전물의 중량분석에 적합***
- ***Made with High Purity Cotton Linters Fibers and Cellulose Fibers.***
- ***The Ash Content of Less than 0.01%***
- ***More Resistant when They are Wet thanks to the Binder.***
- ***Ideal for Acid Filtration and Gravimetric Analysis of Samples or Precipitates Collection.***

	Weight (g/m²) DIN 53104	Thickness (mm)	Pore Size (㎛)	Filtration Speed (sec) DIN 53137	Ash Content
(1) QT51	84	0.2	25~30	9	<0.01
(2) QT53	84	0.2	14~18	55	<0.01
(3) QT55	84	0.17	2~4	195	<0.01

Filter Paper Conversion Chart

	Flow Rate	filtratech®	Whatman®	ADVANTEC®
Qualitative Strengthened Ashless	Very Fast	QT51	541	
	Medium	QT53	540	
	Very Slow	QT55	542	

(1) Very Fast "V/F" Filtration "QT51"

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		Pk.	Price, ₩			Pk.	Price, ₩
FL.QT51.A055	Quanti-Strengthened, V/F, Φ55mm	100ea	11,000	**FL.QT51.A125**	Quanti-Strengthened, V/F, Φ125mm	100ea	30,050
FL.QT51.A070	, Φ70mm	100ea	13,040	**FL.QT51.A150**	, Φ150mm	100ea	38,980
FL.QT51.A090	, Φ90mm	100ea	17,920	**FL.QT51.A185**	, Φ185mm	100ea	55,240
FL.QT51.A110	, Φ110mm	100ea	24,380				

(2) Medium Filtration "QT53"

		Pk.	Price, ₩			Pk.	Price, ₩
FL.QT53.A055	Quanti-Strengthened, Medium, Φ55mm	100ea	11,000	**FL.QT53.A125**	Quanti-Strengthened, Medium, Φ125mm	100ea	30,050
FL.QT53.A070	, Φ70mm	100ea	13,040	**FL.QT53.A150**	, Φ150mm	100ea	38,980
FL.QT53.A090	, Φ90mm	100ea	17,920	**FL.QT53.A185**	, Φ185mm	100ea	55,240
FL.QT53.A110	, Φ110mm	100ea	24,380				

(3) Very Slow Filtration "QT55"

		Pk.	Price, ₩			Pk.	Price, ₩
FL.QT55.A055	Quanti-Strengthened, Very Slow, Φ55mm	100ea	11,000	**FL.QT55.A125**	Quanti-Strengthened, Very Slow, Φ125mm	100ea	30,050
FL.QT55.A070	, Φ70mm	100ea	13,040	**FL.QT55.A150**	, Φ150mm	100ea	38,980
FL.QT55.A090	, Φ90mm	100ea	17,920	**FL.QT55.A185**	, Φ185mm	100ea	55,240
FL.QT55.A110	, Φ110mm	100ea	24,380				

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



(2) Disc-Type
Φ90~150mm

(1) Sheet-Type
10×10cm

filtratech® Nitrogen Free Filter Paper, Slow Filtration, Sheet- & Disc-Type
Ideal for the Determination of Nitrogen Content, <France-Made> 니트로젠 프리 여과지

■ ***철강 및 철골의 질소함량 분석에 적합*** ∗ Ideal for the Determination of Nitrogen Content in Steel and Iron Rough

Weight (g/m²)	Thickness (mm)	Filtration Speed (sec)	Nitrogen Content
85	0.17	650	~0.05 mg / disc of 110 mm

〈L1〉

(1) Sheet-Type, 10×10cm

		Pk.	Price, ₩
FL.FS96.F1010	Filter Paper, Nitrogen Free Sheet-Type, 10×10cm	100ea	47,040

(2) Disc-Type, Φ90~150mm

		Pk.	Price, ₩
FL.FS96.A090	Filter Paper, Nitrogen Free Disc-Type, Φ90mm	100ea	25,490
FL.FS96.A110	, Φ110mm	100ea	33,330
FL.FS96.A150	, Φ150mm	100ea	58,780



filtratech® Sugar Industry Filter Paper, Fast/Very Fast Filtration, Φ110~240mm
Ideal for Clarification to Sugar Cane, Creped Surface, <France-Made> 여과지, 설탕 수크로스 분석용

■ ***용액의 당분 양 분석에 적합***

∗ Offer a Fast Filtration or a Very Filtration for the Clarification of Cane Sugar Juice
∗ Ideal for Efficient Saccharimetric Tests of after Lead Acetate Addition

〈L1〉

		Pk.	Price, ₩
FL.FS91.A110	Filter Paper, Sugar Industry, Φ110	100ea	8,440
FL.FS91.A125	, Φ125	100ea	10,700
FL.FS91.A150	, Φ150	100ea	15,020
FL.FS91.A185	, Φ185	100ea	16,690
FL.FS91.A240	, Φ240	100ea	30,580



Phase Separating Paper

filtratech® Phase Separating Paper, Hydrophobic with Silicone Impregnation, Φ90~150mm
Ideal for the Separation of Aqueous Solutions, Water-repellent, <France-Made> 분액 여과지

■ ***유기 용액에서 수용액을 분리하는데 적합***

∗ Ideal for the separation of Aqueous Solutions from Organic Solutions ∗ Thick. 0.17mm
∗ It Allows a Quick Separation of Elements and Replaces the Use of a Separating Funnel

〈L1〉

		Pk.	Price, ₩
FL.FS92.A090	Phase Separating Paper, Hydrophobic, Φ90	100ea	56,920
FL.FS92.A110	, Φ110	100ea	78,870
FL.FS92.A125	, Φ125	100ea	97,220
FL.FS92.A150	, Φ150	100ea	140,150

, Glass Thimbles 유리 팀블필터



Extraction Thimbles Filter

filtratech® Extraction Thimbles Filter, Up to 550℃, <France-Made> 원통 여과지

■ ***쏙시렛과 같은 추출기와 함께 사용되며, 미세 유리 섬유로 구성된 원통 여과지로 고온에 적합***

∗ Ideal for Accurately Extracting Specific Particles from a Solid Substance
∗ Neutral and Fat Free ∗ High Mechanical Strength and an Excellent Retention Capacity.
∗ Selectable Depending on the Temperature of the Extraction

〈L1〉

(1) Cellulose Extraction Thimble Filter, Cotton Linter fibers

		Pk.	Price, ₩
FL.ETC26.60	Thimble Filter, Cellulose, id 26×h60mm	25ea	100,150
FL.ETC28.100	, id 28×h100mm	25ea	100,150
FL.ETC30.80	, id 30×h80mm	25ea	100,150
FL.ETC33.80	, id 33×h80mm	25ea	93,050
FL.ETC33.94	, id 33×h94mm	25ea	125,230
FL.ETC33.118	, id 33×h118mm	25ea	107,180

(2) Glass Microfiber Extraction Thimble Filter, Up to 550℃

		Pk.	Price, ₩
FL.ETG22.80	Thimble Filter, Glass-fiber, id 22×h80mm	25ea	567,550
FL.ETG30.100	, id 30×h100mm	25ea	580,590



SciLab® Extractor Thimble, DURAN glass
With Sintered Glass Filter, 유리 팀블필터

■ ***Supplied by SciLab Korea*** ■ ***Custom-Made Available / 규격외 Items 자유롭게 주문하세요!***

∗ Fit into Standard Soxhlet Extraction Tube ∗ Highly Resistant to Chemical Attack

〈L1〉

		Ea.	Price ₩
SL.Ext2025	Extractor Thimble, Disc Φ23mm, od Φ26×h95 ×thick 1.4mm, P1		33,520
SL.Ext2026	, Disc Φ30mm, od Φ34×h95 ×thick 2.0mm, P1		42,150
SL.Ext2027	, Disc Φ40mm, od Φ42×h125×thick 2.3mm, P1		49,700

filtratech® Glass Microfiber Filter, 100% Borosilicated Glass Fibers, Temp Resistance up to 500℃, Φ25~90mm

Prefilters & Environmental Control, <France-Made> **유리섬유 필터, 전처리/환경**





Glass Microfiber Filter

- ***100% 분소화 마이크로 유리섬유로 제작되어 내열성이 뛰어나 대기 및 환경 미세 여과에 적합***
- ***Made of 100% Borosilicated Microglass Fibers without Binders***
- ***These Filters Offer an Excellent Level of Very Small Particles Retention (up to 0.7㎛) and Large Loading Capacity.***
- ***Suitable for Micro-Filtration of Air, Gases and Liquids*** ■ ***Temp Resistance up to 500℃***
- ***Compatible to Most Solvents and Reagents (Except Hydrofluoric Acid)***

	Weight (g/m²) DIN 53104	Thickness (mm)	Pore Size (㎛)	Filtration Speed (sec) DIN 53137	Burst Strength (kg/cm²)
FV21	52	0.26	1.6	60	20
FV22	143	0.7	1	200	50
FV23	52	0.26	1.2	100	20
FV24	120	0.53	2.7	30	20
FV25	75	0.45	0.7	310	50
FV26	65	0.28	1.5	60	50

∗ FV21(1.6㎛) : for Air Pollution Analysis.
∗ FV22(1.0㎛) : for Waste Water Analysis.
∗ FV23(1.2㎛) : for Suspended Solid Analysis.
∗ FV24(2.7㎛) : for Membrane Pre-filtration.
∗ FV25(0.7㎛) : for Very Small Particle Filtration, HPLC
∗ FV26(1.5㎛) : for Water Control, Bacterial Culture Filtration

Glass Microfiber Filters Convertion Chart

<L1>

	Retention Range (㎛)	filtratech®	Whatman®	ADVANTEC®
Glass Microfiber Filters	1.6	FV21	Grade GF/A	GA-55
	1	FV22	Grade GF/B	GB-140
	1.2	FV23	Grade GF/C	GC-50
	2.7	FV24	Grade GF/D	GD-120
	0.7	FV25	Grade GF/F	GF-75
	1.5	FV26	934-AH	GS-25

		Pk.	Price, ₩
FL.FV21.A025	Glass Microfiber, FV21, Φ25mm	100ea	24,230
FL.FV21.A047	, Φ47mm	100ea	31,800
FL.FV21.A090	, Φ90mm	100ea	69,400
FL.FV22.A025	, FV22, Φ25mm	100ea	64,380
FL.FV22.A047	, Φ47mm	100ea	69,500
FL.FV22.A090	, Φ90mm	50ea	90,270
FL.FV23.A025	, FV23, Φ25mm	100ea	27,600
FL.FV23.A047	, Φ47mm	100ea	34,220
FL.FV23.A090	, Φ90mm	100ea	76,870
FL.FV24.A025	, FV24, Φ25mm	100ea	40,830
FL.FV24.A047	, Φ47mm	100ea	46,850
FL.FV24.A090	, Φ90mm	50ea	58,520
FL.FV25.A025	, FV25, Φ25mm	100ea	54,320
FL.FV25.A047	, Φ47mm	100ea	62,750
FL.FV25.A090	, Φ90mm	50ea	94,070
FL.FV26.A025	, FV26, Φ25mm	100ea	30,130
FL.FV26.A047	, Φ47mm	100ea	36,820
FL.FV26.A090	, Φ90mm	50ea	84,400

filtratech® Quartz Microfiber Filter, for Highest Temperature Analysis, Lead Particles in Air, Φ25~90mm

Temp Resistance up to 900℃, <France-Made> **석영섬유 필터, 내열성, 대기중 부유납 입자 측정**



Quartz Microfiber Filter

- ***100% 고순도 석영 소재로 내열성이 뛰어나 대기 중 입자 포집에 적합***
- ***Suspended Lead Particle in Air, Emission of Chimney Smokes or any other Acid Solution.***
- ***Temp Resistance up to 900℃***

	Weight (g/m²) DIN 53104	Thickness (mm)	Pore Size (㎛)	Filtration Speed (sec) DIN 53137	Retention Efficiency (%)
FQ30	85	0.43	1.5	60	99.999

Quartz Microfiber Filters Convertion Chart

<L1>

	Retention Range (㎛)	filtratech®	Whatman®	ADVANTEC®
Quartz Microfiber Filters	1.5	FQ30	QM/A	QR-100

		Pk.	Price, ₩
FL.FQ30.A025	Quartz Microfiber, FQ30, Φ25mm	50ea	58,920
FL.FQ30.A047	, Φ47mm	50ea	72,740
FL.FQ30.A090	, Φ90mm	50ea	225,970

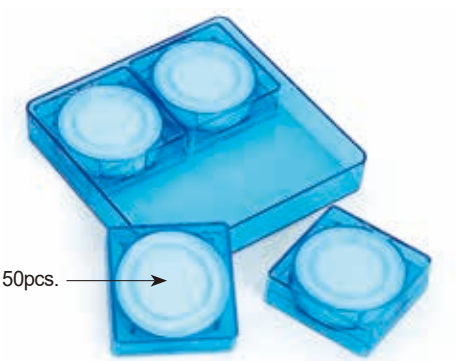
※ The Price(VAT is extra) for Korean End-user, and Changeable.

Wisd™ Φ47mm Membrane Filter, Sterile or Non-sterile, MCE · Nylon · PES · PTFE · PVDF-Hydrophilic & -Hydrophobic, 0.22 & 0.45㎛

Ideal for Microfiltration, Sample Purification, Φ47mm 멤브레인 필터, 멸균 & 비멸균



(1) ~ (5) Membrane Filter, 0.22 & 0.45㎛, Φ47mm



Non-sterile, Package Unit : 200pcs./Pk.
(50pcs.×4 Inner Packs)



Individual Sterile Package

- ***Supplied by DAIHAN Korea***
- ***다공질 형태의 필터, 균일하고 미세한 구멍이 다수 있어 미생물이나 미립자 포집에 적합***
- ***When Choosing a Filter Membrane according to the Application, the Chemical Compatibility Must be Considered.***

(1) MCE(Mixed Cellulose Ester) Membrane Filter, for Filtration of Aqueous Solution, 친수성

■ ***Very Suitable for Biological Filtration*** ∗ Mixed Cellulose Acetate and Nitro Cellulose
∗ Protein Solution Filtration Microbiological Analysis Particle Removal and Clarification

〈L1〉

Filter Type	Pore Size	Water Affinity	① Sterile		② Non-sterile	
			Cat. No.	Pk. Price, ₩	Cat. No.	Pk. Price, ₩
MCE	0.22㎛	Hydrophilic	DH.Fil3001	200ea 133,630	DH.Fil3003	200ea 68,970
	0.45㎛	Hydrophilic	DH.Fil3002	200ea 133,630	DH.Fil3004	200ea 68,970

(2) Nylon(Polyamide) Membrane Filter, for Filtration of Alkaline Solutions, 친수성

■ ***For Water and Solvent-based Sample Filtration***
∗ Good Chemical Compatibility with Esters, Bases and Alcohol
∗ Removal of Microorganisms and Organic Solvents

Filter Type	Pore Size	Water Affinity	① Sterile		② Non-sterile	
			Cat. No.	Pk. Price, ₩	Cat. No.	Pk. Price, ₩
Nylon	0.22㎛	Hydrophilic	DH.Fil3005	200ea 133,630	DH.Fil3007	200ea 69,320
	0.45㎛	Hydrophilic	DH.Fil3006	200ea 133,630	DH.Fil3008	200ea 69,320

(3) PES(Polyethersulfone) Membrane Filter, for Low Protein Adsorption, 친수성

■ ***Used for Ready-to-use Sterile Filter Devices; Sterilization of Buffers, Tissue Culture Media, Supplements***
∗ Drug and Protein Adsorption in Pharmaceutical Filtration Applications
∗ Broad Chemical Compatibility

Filter Type	Pore Size	Water Affinity	① Sterile		② Non-sterile	
			Cat. No.	Pk. Price, ₩	Cat. No.	Pk. Price, ₩
PES	0.22㎛	Hydrophilic	DH.Fil3009	200ea 133,630	DH.Fil3011	200ea 69,320
	0.45㎛	Hydrophilic	DH.Fil3010	200ea 133,630	DH.Fil3012	200ea 69,320

(4) PTFE(Polytetrafluorethylene) Membrane Filter, Hydrophilic & Hydrophobic, Filtration of Highly Corrosive Water-soluble Chemicals, 친수성 & 소수성

■ ***Highly Corrosive Chemicals Strong Chemical Compatibility, Used to Filter that Samples will Damage other Syringe Materials*** ∗ Good Chemical and Temperature Compatibility
∗ Suitable for Filtering Gas(for Hydrophobic) or Organic Solvent

Filter Type	Pore Size	Water Affinity	① Sterile		② Non-sterile	
			Cat. No.	Pk. Price, ₩	Cat. No.	Pk. Price, ₩
PTFE	0.22㎛	Hydrophilic	DH.Fil3013	100ea 80,180	DH.Fil3017	100ea 44,540
		Hydrophobic	DH.Fil3014	100ea 80,180	DH.Fil3018	100ea 44,540
	0.45㎛	Hydrophilic	DH.Fil3015	100ea 80,180	DH.Fil3019	100ea 44,540
		Hydrophobic	DH.Fil3016	100ea 80,180	DH.Fil3020	100ea 44,540

(5) PVDF(Polyvinylidene Fluoride) Membrane Filter, Hydrophilic & Hydrophobic, Solvent · Air · Gas Filtration, 친수성 & 소수성

■ ***Remove Impurities such as Macromolecules, Bacteria, and Sediment***
∗ With Excellent Heat Resistance and Oxidation Resistance, It has a Very Wide Range of Applications
∗ Chemical Compatibility even to Corrosive Acids and Alcohol

Filter Type	Pore Size	Water Affinity	① Sterile		② Non-sterile	
			Cat. No.	Pk. Price, ₩	Cat. No.	Pk. Price, ₩
PVDF	0.22㎛	Hydrophilic	DH.Fil3021	200ea 151,400	DH.Fil3025	200ea 79,220
		Hydrophobic	DH.Fil3022	200ea 151,400	DH.Fil3026	200ea 79,220
	0.45㎛	Hydrophilic	DH.Fil3023	200ea 151,400	DH.Fil3027	200ea 79,220
		Hydrophobic	DH.Fil3024	200ea 151,400	DH.Fil3028	200ea 79,220

Articles	Cat. No	Description





filtratech® Membrane Filter, for Microfiltration, Φ25~50mm
Made of Polymers, <France-Made> 멤브레인 필터

- ***진공여과 장치와 모든 여과 장치와 함께 사용되며 미세한 기공으로 다양한 유형의 미생물을 포집하는 미세 여과에 적합***
- ***Depending on the Sample and on the Analytical Operation you are Proceeding with, Choose Carefully your Membrane Type : They Come in Different Materials, Pore size and Diameter.***
- ***Compatible with all Filtration Apparatus (Glass Solvent Filters, Vacuum Filtration Systems…)***

(1) CA (Cellulose Acetate) Membrane Filters, Hydrophilic, Good Thermal Stability
A weak Fixation of Proteins, Non-sterile, 셀룰로오스 아세테이트 멤브레인 필터, 친수성

* Made of Pure Cellulose Acetate which is Modified, and have a High Filtration Efficiency.
* Suitable for Biological, Aqueous Samples and for Filtration of Proteins or Enzymes.

〈L1〉

Pore size (㎛) (for Φ47 mm)	0.22㎛	0.45㎛	0.8㎛
Water flow (mL/mn/cm²@10psi)	9~31	33~46	85~102
Bubble Point (psi)	47~71	32~36	19~22

		Pk.	Price, ₩
FL.MF25.CA22	Membrane, CA, 0.22㎛, Φ25mm	100ea	78,550
FL.MF47.CA22	, Φ47mm	100ea	87,350
FL.MF25.CA45	, 0.45㎛, Φ25mm	100ea	78,550
FL.MF47.CA45	, Φ47mm	100ea	87,350
FL.MF50.CA80	, 0.80㎛, Φ50mm	100ea	137,730

(2) MCE (Mixed Cellulose Esters) Membrane Filters, Hydrophilic
for Microbiological Analysis and Colonies Counting, 혼합 셀룰로오스 에스터 멤브레인 필터, 친수성

* Made of Celloulose Acetate and Cellulose Nitrate Fibers
* Naturally Hydrophilic, Mechanically Stable and have a High Loading Capacity
* Suitable for Microbiological Analysis or for Pre-filtration and Clarification of Samples.

Pore size (㎛) (for Φ47 mm)	0.22㎛	0.8㎛
Water flow (mL/mn/cm²@10psi)	9~31	85~102
Bubble Point (psi)	47~71	19~22

① Plain, Non-sterile, 비멸균

		Pk.	Price, ₩
FL.MF25.ME22	Membrane, MCE, 0.22㎛, Φ25mm	100ea	69,900
FL.MF47.ME22	, Φ47mm	100ea	78,550
FL.MF25.ME45	, 0.45㎛, Φ25mm	100ea	69,900
FL.MF47.ME45	, Φ47mm	100ea	78,550

② Black Gridded, Sterile, 멸균 w/Black Grid

* Ideal for Microbiological Analysis

		Pk.	Price, ₩
FL.MF47.ME45GS	Membrane, MCE, Sterile, Gridded, 0.45㎛, Φ47mm	100ea	77,220

(3) NYL (Polyamide) Membrane Filters, Hydrophilic, for Alkaline Solutions, Non-sterile
나일론 멤브레인 필터, 비멸균, 친수성

* Made of Celloulose Acetate and Cellulose Nitrate Fibers
* Naturally Hydrophilic, Mechanically Stable and have a High Loading Capacity
* Suitable for Microbiological Analysis or for Pre-filtration and Clarification of Samples.

Pore size (㎛) (for Φ47 mm)	0.22㎛	0.45㎛
Water flow (mL/mn/cm²@10psi)	4~6	9~10
Bubble Point (psi)	46~56	30~32

		Pk.	Price, ₩
FL.MF13.NY22	Membrane, NYL, 0.22㎛, Φ13mm	200ea	87,350
FL.MF25.NY22	, Φ25mm	100ea	78,550
FL.MF47.NY22	, Φ47mm	100ea	87,350
FL.MF13.NY45	, 0.45㎛, Φ13mm	200ea	87,350
FL.MF25.NY45	, Φ25mm	100ea	78,550
FL.MF47.NY45	, Φ47mm	100ea	87,350

<Continued On Next Page>

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description

<*Continued From...*"filtratech" Membrane Filter>





(4) PES (Polyethersulfone) Membrane Filters, Hydrophilic, for Ionic, Chromatography
Non-sterile, PES 멤브레인 필터, 비멸균, 친수성

* Made of Highly Asymmetrical Pore Structure
* Excellent Loading Capacity and High Flow Rate.
* Suitable for Low Protein and Drug Binding Characteristics

〈L1〉

Pore size (㎛) (for Φ47 mm)	0.22㎛	0.8㎛
Water flow (mL/mn/cm²@10psi)	9~31	85~102
Bubble Point (psi)	47~71	19~22

		Pk.	Price, ₩
FL.MF25.PE22	Membrane, PES, 0.22㎛, Φ25mm	100ea	100,330
FL.MF47.PE22	, Φ47mm	100ea	209,450
FL.MF25.PE45	, 0.45㎛, Φ25mm	100ea	100,330
FL.MF47.PE45	, Φ47mm	100ea	209,450

(5) PTFE (Polytetra-Fluorethylene) Membrane Filters, Hydrophobic, for Air & Gas Filtration
Non-sterile, PTFE 멤브레인 필터, 비멸균, 소수성

* Made of Polytetra-fluroethylene Laminated with a PP Layer.
* Suitable for Air & Gas Filtration, for Chemically Aggressive or Acid for Samples.
* For the Filtration of Aqueous Solutions, you should Wet the Filter first with Isopropanol.

Pore size (㎛) (for Φ47 mm)	0.22㎛	0.45㎛
Water flow (mL/mn/cm²@10psi)	8~14	15~29
Bubble Point (psi)	16~25	14~19

		Pk.	Price, ₩
FL.MF13.PT22	Membrane, PTFE, 0.22㎛, Φ13mm	200ea	127,730
FL.MF25.PT22	, Φ25mm	100ea	100,330
FL.MF47.PT22	, Φ47mm	100ea	209,450
FL.MF13.PT45	, 0.45㎛, Φ13mm	200ea	127,730
FL.MF25.PT45	, Φ25mm	100ea	100,330
FL.MF47.PT45	, Φ47mm	100ea	209,450

(6) RC (Regenerated Cellulose) Membrane Filters, Hydrophilic, for Solvent Filtration, Non-sterile
재생 셀룰로오스 멤브레인 필터, 비멸균, 친수성

* Made of Polytetra-fluroethylene Laminated with a PP Layer.
* Suitable for Air & Gas Filtration, for Chemically Aggressive or Acid for Samples.
* For the Filtration of Aqueous Solutions, you should Wet the Filter first with Isopropanol.

Pore size (㎛) (for Φ47 mm)	0.22㎛	0.45㎛
Water flow (mL/mn/cm²@10psi)	9~11	30~48
Bubble Point (psi)	19~22	10~15

		Pk.	Price, ₩
FL.MF25.RC22	Membrane, RC, 0.22㎛, Φ25mm	100ea	161,820
FL.MF47.RC22	, Φ47mm	100ea	319,290
FL.MF25.RC45	, 0.45㎛, Φ25mm	100ea	161,820
FL.MF47.RC45	, Φ47mm	100ea	319,290

Articles	Cat. No	Description

Wisd Syringe Filter, MCE · Nylon · PES · PTFE · PVDF, Hydrophilic & Hydrophobic, 0.22 & 0.45㎛, Φ13 & 25mm

With PP Housing Shell, Ideal for Sample Purification, Sterile & Non-sterile, **시린지 필터, 멸균 & 비멸균**



(1) ~ (5) Syringe Filter, Φ13/25mm



Fitting on a Standard Syringe



Fitting on a Standard Syringe, Φ25mm



Sterile Individual Package



Non-Sterile, Bulk Package
100ea/Pk.

■ ***시린지에 장착하여 시료 정화에 이상적이며 화학적 호환성을 고려하여 다양한 필터 선택 가능***
■ ***When Choosing a Filter Syringe according to the Application, the Chemical Compatibility Must be Considered.***
∗ Processing Amount : Less than10㎖ for Φ13mm, Less than 100㎖ for Φ25mm
∗ Max. Operating Pressure/Temperature : 3.5bar (350kPa, 50psi) / 55℃ (131°F) for Φ13mm, 100℃ (212°F) for Φ25mm

(1) MCE(Mixed Cellulose Ester) & Nitro Cellulose Syringe Filter, for Biological Filtration

■ ***Protein Solution Filtration Microbiological Analysis Particle Removal and Clarification***
∗ Used for Water Injection, Large infusion and Pre-crystallization Solution of Particles and Bacteria Filtration, Antibiotics, Vaccine Serum and Tissue Culture Fluid Filtration

〈L1〉

Filter Type	Pore Size(㎛) & Diameter	Water Affinity	① Sterile, Individual Package			② Non-Sterile, Bulk Package		
			Cat. No.	Pk.	Price, ₩	Cat. No.	Pk.	Price, ₩
MCE	0.22㎛, Φ13mm	Hydrophilic	DH.Fil3031	100ea	79,860	DH.Fil3035	100ea	29,230
	0.22㎛, Φ25mm	Hydrophilic	DH.Fil3032	50ea	55,970	DH.Fil3036	100ea	40,370
	0.45㎛, Φ13mm	Hydrophilic	DH.Fil3033	100ea	79,860	DH.Fil3037	100ea	29,230
	0.45㎛, Φ25mm	Hydrophilic	DH.Fil3034	50ea	55,970	DH.Fil3038	100ea	40,370

(2) Nylon(Polyamide) Syringe Filter, for Alkaline Solutions

■ ***For Water and Solvent-based Sample Filtration*** ∗ Good Chemical Compatibility with Esters, Bases and Alcohol
∗ Removal of Microorganisms and Organic Solvents

Filter Type	Pore Size(㎛) & Diameter	Water Affinity	① Sterile, Individual Package			② Non-Sterile, Bulk Package		
			Cat. No.	Pk.	Price, ₩	Cat. No.	Pk.	Price, ₩
Nylon	0.22㎛, Φ13mm	Hydrophilic	DH.Fil3039	100ea	79,860	DH.Fil3043	100ea	29,230
	0.22㎛, Φ25mm	Hydrophilic	DH.Fil3040	50ea	55,970	DH.Fil3044	100ea	40,910
	0.45㎛, Φ13mm	Hydrophilic	DH.Fil3041	100ea	79,860	DH.Fil3045	100ea	29,230
	0.45㎛, Φ25mm	Hydrophilic	DH.Fil3042	50ea	55,970	DH.Fil3046	100ea	40,910

(3) PES(Polyethersulfone) Syringe Filter, for Low Protein Adsorption

■ ***Used for Ready-to-use Sterile Filter Devices; Sterilization of Buffers, Tissue Culture Media, Supplements***
∗ Drug and Protein Adsorption in Pharmaceutical Filtration Applications ∗ Broad Chemical Compatibility

Filter Type	Pore Size(㎛) & Diameter	Water Affinity	① Sterile, Individual Package			② Non-Sterile, Bulk Package		
			Cat. No.	Pk.	Price, ₩	Cat. No.	Pk.	Price, ₩
PES	0.22㎛, Φ13mm	Hydrophilic	DH.Fil3047	100ea	79,860	DH.Fil3051	100ea	33,730
	0.22㎛, Φ25mm	Hydrophilic	DH.Fil3048	50ea	55,970	DH.Fil3052	100ea	48,790
	0.45㎛, Φ13mm	Hydrophilic	DH.Fil3049	100ea	79,860	DH.Fil3053	100ea	33,730
	0.45㎛, Φ25mm	Hydrophilic	DH.Fil3050	50ea	55,970	DH.Fil3054	100ea	48,790

(4) PTFE(Polytetrafluorethylene) Syringe Filter, for Filtration of Highly Corrosive Water-soluble Chemicals

■ ***Highly Corrosive Chemicals Strong Chemical Compatibility, Used to Filter that Samples will Damage other Syringe Materials*** ∗ Good Chemical and Temperature Compatibility
∗ Suitable for Filtering Gas(for Hydrophobic) or Organic Solvent

Filter Type	Pore Size(㎛) & Diameter	Water Affinity	① Sterile, Individual Package			② Non-Sterile, Bulk Package		
			Cat. No.	Pk.	Price, ₩	Cat. No.	Pk.	Price, ₩
PTFE	0.22㎛, Φ13mm	Hydrophobic	DH.Fil3055	100ea	88,720	DH.Fil3059	100ea	43,440
	0.22㎛, Φ25mm	Hydrophobic	DH.Fil3056	50ea	66,520	DH.Fil3060	100ea	58,450
	0.45㎛, Φ13mm	Hydrophobic	DH.Fil3057	100ea	88,720	DH.Fil3061	100ea	43,440
	0.45㎛, Φ25mm	Hydrophobic	DH.Fil3058	50ea	66,520	DH.Fil3062	100ea	58,450

(5) PVDF(Polyvinylidene Fluoride) Syringe Filter, for Solvent · Air · Gas Filtration

■ ***Remove Impurities such as Macromolecules, Bacteria, and Sediment***
∗ With Excellent Heat Resistance and Oxidation Resistance, It has a Very Wide Range of Applications
∗ Chemical Compatibility even to Corrosive Acids and Alcohol

Filter Type	Pore Size(㎛) & Diameter	Water Affinity	① Sterile, Individual Package			② Non-Sterile, Bulk Package		
			Cat. No.	Pk.	Price, ₩	Cat. No.	Pk.	Price, ₩
PVDF	0.22㎛, Φ13mm	Hydrophobic	DH.Fil3063	100ea	88,720	DH.Fil3067	100ea	43,440
	0.22㎛, Φ25mm	Hydrophobic	DH.Fil3064	50ea	66,410	DH.Fil3068	100ea	58,450
	0.45㎛, Φ13mm	Hydrophobic	DH.Fil3065	100ea	88,720	DH.Fil3069	100ea	43,440
	0.45㎛, Φ25mm	Hydrophobic	DH.Fil3066	50ea	66,410	DH.Fil3070	100ea	58,450

※ The Price(VAT is extra) for Korean End-user, and Changeable.

filtratech® Syringe Filter, For Fitting on a Standard Syringe, High Flow Rate, 0.22 & 0.45㎛, Φ13 & 25mm With PP Housing & Color Ring, Sterile & Non-sterile, <France-Made> 시린지 필터, 멸균 & 비멸균



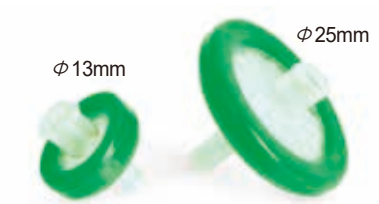
Fitting on a Standard Syringe



Sterile Individual Packed



(1) CA (Cellulose Acetate) Syringe Filters



(2) MCE (Mixed Cellulose Esters) Syringe Filters



(3) NYL (Polyamide) Syringe Filters



(4) PES (Polyethersulfone) Syringe Filters

■ ***주사기와 함께 사용되는 일회용 필터로 화학, 제약, 환경 산업에 적합***

■ ***Moulded in a Polypropylene Shelter, Conceived with the Best Membrane Filters to Meet the Requirements in All Types of Industries : Chemicals, Pharmaceuticals, Environmental…***

(1) CA Syringe Filters, for Filtration of Aqueous Solutions, 셀룰로오스 아세테이트 시린지 필터

∗ Suitable for Cell Culture Applications, for Proteins or Enzymes Samples ∗ CA(Cellulose Acetate)
∗ Chemical Compatibility : pH 3~7 ∗ Hydrophilic

<L1>

Pore size (㎛) (for Φ25 mm)	0.22㎛	0.45㎛	0.8㎛
Water flow (mL/mn/cm²@10psi)	50~65	92~116	220~260
Bubble Point (psi)	41~51	36~39	15~18

Filter Type (Ring Color)	Pore Size (㎛)	Diameter (mm)	Sterile, Individual Package			Non-sterile, Bulk Package		
			Cat. No.	Pk.	Price, ₩	Cat. No.	Pk.	Price, ₩
CA (Orange)	0.22㎛	Φ25mm	FL.SF25.CA22S	50ea	120,900	FL.SF25.CA22	100ea	175,280
	0.45㎛		FL.SF25.CA45S	50ea	120,900	FL.SF25.CA45	100ea	175,280
	0.80㎛					FL.SF25.CA80	100ea	209,590

(2) MCE Syringe Filters, for Biological Fluids Clarification, 혼합 셀룰로오스 에스터 시린지 필터

∗ Made of Cellulose Acetate and Cellulose Nitrate Fibers Membranes ∗ MCE(Mixed Cellulose Esters)
∗ Suitable for Biological Fluids Clarification, Enzymes or Aqueous Solutions Filtration. ∗ Hydrophilic
∗ Chemical Compatibility : pH 4~8

Pore size (㎛) (for Φ25 mm)	0.22㎛	0.45㎛
Water flow (mL/mn/cm²@10psi)	65~80	85~116
Bubble Point (psi)	42~54	25~33

Filter Type (Ring Color)	Pore Size (㎛)	Diameter (mm)	Sterile, Individual Package			Non-sterile, Bulk Package		
			Cat. No.	Pk.	Price, ₩	Cat. No.	Pk.	Price, ₩
MCE (Green)	0.22㎛	Φ13mm	FL.SF13.ME22S	50ea	107,440	FL.SF13.ME22	100ea	152,730
		Φ25mm	FL.SF25.ME22S	50ea	114,180	FL.SF25.ME22	100ea	163,780
	0.45㎛	Φ13mm	FL.SF13.ME45S	50ea	107,440	FL.SF13.ME45	100ea	152,730
		Φ25mm	FL.SF25.ME45S	50ea	114,180	FL.SF25.ME45	100ea	163,780

(3) NYL Syringe Filters, for Filtration of HPLC Samples, 나일론 시린지 필터

∗ Suitable for Aqueous Samples, Alkaline or Organic Filtration of HPLC Samples for their Chemical Resistance to Alkaline Solutions and Solvents.
∗ NYL(Polyamide) ∗ Hydrophilic ∗ Chemical Compatibility : pH 3~14

Pore size (㎛) (for Φ25 mm)	0.22㎛	0.45㎛
Water flow (mL/mn/cm²@10psi)	21~36	47~55
Bubble Point (psi)	46~55	27~33

Filter Type (Ring Color)	Pore Size (㎛)	Diameter (mm)	Sterile, Individual Package			Non-sterile, Bulk Package		
			Cat. No.	Pk.	Price, ₩	Cat. No.	Pk.	Price, ₩
NYL (Yellow)	0.22㎛	Φ13mm	FL.SF13.NY22S	50ea	114,180	FL.SF13.NY22	100ea	164,500
		Φ25mm	FL.SF25.NY22S	50ea	120,900	FL.SF25.NY22	100ea	175,280
	0.45㎛	Φ13mm	FL.SF13.NY45S	50ea	114,180	FL.SF13.NY45	100ea	164,500
		Φ25mm	FL.SF25.NY45S	50ea	120,900	FL.SF25.NY45	100ea	175,280

(4) PES Syringe Filters, for Preparation of Protein Samples, PES 시린지 필터

∗ Made of Highly Asymmetrical Pore Structure ∗ NYL(Polyamide) ∗ Hydrophilic
∗ Suitable for Biology, Preparation of Protein Samples, Ultra-fast Filtration of Tissue Culture Media.
∗ Chemical Compatibility : pH 4~8

Pore size (㎛) (for Φ25 mm)	0.22㎛	0.45㎛
Water flow (mL/mn/cm²@10psi)	70~92	118~162
Bubble Point (psi)	64~68	42~49

Filter Type (Ring Color)	Pore Size (㎛)	Diameter (mm)	Sterile, Individual Package			Non-sterile, Bulk Package		
			Cat. No.	Pk.	Price, ₩	Cat. No.	Pk.	Price, ₩
PES (Purple)	0.22㎛	Φ13mm	FL.SF13.PE22S	50ea	114,180	FL.SF13.PE22	100ea	164,500
		Φ25mm	FL.SF25.PE22S	50ea	127,590	FL.SF25.PE22	100ea	175,280
	0.45㎛	Φ13mm	FL.SF13.PE45S	50ea	114,180	FL.SF13.PE45	100ea	164,500
		Φ25mm	FL.SF25.PE45S	50ea	127,590	FL.SF25.PE45	100ea	175,280

<Continued On Next Page>

<*Continued From...* "filtratech" Syringe Filter>



(5) PVDF (Polyvinylidene) Syringe Filters

(5) PVDF Syringe Filters, Hydrophobic, for Air & Gas Filtration, PVDF 시린지필터, 소수성

* Offer an Excellent Chemical Resistance against most Organic Solvents and Aggressive Liquids.
* Suitable for Air and Gas Filtration * Chemical Compatibility : pH 1~14 * PVDF(Polyvinylidene)

〈L1〉

Pore size (㎛) (for Φ25 mm)	0.22㎛	0.45㎛
Water flow (mL/mn/cm²@10psi)	30~40	70~105
Bubble Point (psi)	21~23	11~23

Filter Type (Ring Color)	Pore Size (㎛)	Diameter (mm)	Sterile, Individual Package			Non-sterile, Bulk Package		
			Cat. No.	Pk.	Price, ₩	Cat. No.	Pk.	Price, ₩
PVDF (Gray)	0.22㎛	Φ13mm	FL.SF13.PV22S	50ea	114,180	FL.SF13.PV22	100ea	164,500
		Φ25mm	FL.SF25.PV22S	50ea	120,900	FL.SF25.PV22	100ea	175,280
	0.45㎛	Φ13mm	FL.SF13.PV45S	50ea	114,180	FL.SF13.PV45	100ea	164,500
		Φ25mm	FL.SF25.PV45S	50ea	120,900	FL.SF25.PV45	100ea	175,280



(6) PTFE (Polytetra-Fluorethylene) Syringe Filters

(6) PTFE Syringe Filters, Hydrophobic, for HPLC · Air · Gas Filtration, PTFE 시린지필터, 소수성

* Suitable Air Sterilization or for the Preparation of HPLC Samples, for the Filtration of Solvent and Corrosive Solutions.
* Chemical Compatibility : pH 1~14 * PTFE(Polytetra-Fluorethylene)

Pore size (㎛) (for Φ25 mm)	0.22㎛	0.45㎛
Water flow (mL/mn/cm²@10psi)	38~52	90~102
Bubble Point (psi)	15~22	10~13

Filter Type (Ring Color)	Pore Size (㎛)	Diameter (mm)	Sterile, Individual Package			Non-sterile, Bulk Package		
			Cat. No.	Pk.	Price, ₩	Cat. No.	Pk.	Price, ₩
PTFE (Red)	0.22㎛	Φ13mm	FL.SF13.PT22S	50ea	114,180	FL.SF13.PT22	100ea	164,500
		Φ25mm	FL.SF25.PT22S	50ea	120,900	FL.SF25.PT22	100ea	175,280
	0.45㎛	Φ13mm	FL.SF13.PT45S	50ea	114,180	FL.SF13.PT45	100ea	164,500
		Φ25mm	FL.SF25.PT45S	50ea	120,900	FL.SF25.PT45	100ea	175,280

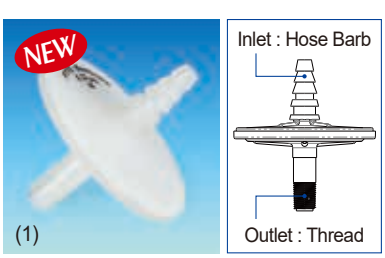


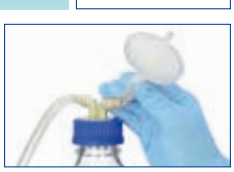
(7) RC (Regenerated Cellulose) Syringe Filter

(7) RC Syringe Filters, Hydrophilic, for Solvent Filtration, 재생 셀룰로오스 시린지 필터, 비멸균

* Suitable for the Direct Filtration of Aqueous Solutions or of any Type of Organic Solvent.
* Chemical Compatibility : pH 3~12 * RC(Regenerated Cellulose)

Filter Type (Ring Color)	Pore Size (㎛)	Diameter (mm)	Non-sterile, Bulk Package		
			Cat. No.	Pk.	Price, ₩
RC (Sky Blue)	0.22㎛	Φ13mm	FL.SF13.RC22	100ea	164,500
	0.45㎛		FL.SF13.RC45	100ea	164,500





Example of Application

Biofil® Φ50mm PTFE Syringe Filter, Non-sterile, with Hose Barb or Thread, 0.22 & 0.45㎛ Ideal for Filtering Corrosive Chemicals & Solvents, Φ50mm 비멸균 시린지 필터

- ***일반적으로 공기 및 가스 등 정화에 적합***
- ***미생물 배양 시 PTFE 멤브레인 필터를 통해 내부 또는 외부로부터 미생물 등 오염 방지***
- ***Ideal for Filtering Gases and Corrosive Chemicals and Solvents such as Those Used in GC and HPLC, as well as for Sterile Air or CO_2 Gas Filtration***
- ***Manufactured in Class 100,000 Cleanroom with Materials Conforming to USP CLASS VI Standards under the Quality Control of ISO 13485 & 9001 and CE.***
- ***Batch Certifications : Lot No. is Printed on Every Case (or Pack) for Quality Traceability.***

* Made of PP(Polypropylene) Shell with PTFE(Polytetrafluoroethylene) Filter Membrane
* with a Bi-directional Filter Support and Luer Lock (15/25mm Diameter) or Stepped Barb Inlet/Outlet for Secure Syringe Loading
* Protect Instruments from Aqueous Solutions
* Filter Sample Volume : 0.2L~5.0L
* DNase/RNase Free, Non-pyrogenic and Non-cytotoxic

〈L1〉

(1) Hose Barb-Thread Connector

		Pk.	Price, ₩	Cs.	Price, ₩
J1.PTF225.050	Syringe Filter, PTFE Membrane, Φ50mm, Non-Sterile, 0.22㎛	10ea	34,290	20pk	623,320
J1.PTF425.050	, 0.45㎛	10ea	34,290	20pk	623,320

(2) Hose Barb-Hose Barb Connector

		Pk.	Price, ₩	Cs.	Price, ₩
J1.PTF235.050	Syringe Filter, PTFE Membrane, Φ50mm, Non-Sterile, 0.22㎛	20ea	66,400	20pk	724,350
J1.PTF435.050	, 0.45㎛	20ea	66,400	20pk	724,350

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



(1)



(2)

Antistatic Powder Free Finger Cot, Class 1000, Multiple washed, Made of High-quality Latex
Ideal for Clean Room, Electronic Industry(PCB, BLU) & Lab, 크린룸용 라텍스 골무, 정전기 방지

■ *Supplied by DAIHAN Korea* ■ *고품질 Latex로 제작하여 인장강도가 강하며 Allergy 발생을 최소화*
■ *전자부품, PCB, BLU등 미세한 작업이 필요한 공정 또는 이물에 대한 제품 보호가 필요한 작업장에 적합*

* Manufactured from High-quality Latex with Strong Tensile Strength and Minimized Allergy Occurrence
* Powder Free Type
* Suitable for Sensitive Tasks : Electronics, Computer, Laboratory
* Roll-type : Easy to wear
* Anti-static

〈L1〉

(1) Powder-free with Rim

		Pk.	Price, ₩	Cs.	Price, ₩
DH.Fin6001	Powder-Free Finger Cot, Roll-type, Small	1000ea	14,800	30pk	429,300
DH.Fin6002	, Medium	1000ea	14,190	30pk	411,490

(2) Powder-free without Rim

		Pk.	Price, ₩	Cs.	Price, ₩
DH.Fin6006	Powder-Free Finger Cot, Unroll-type, Small	1000ea	14,980	30pk	434,780
DH.Fin6007	, Medium	1000ea	14,740	30pk	427,650



Antistatic Finger Cot, with Embossing, Cut Type, Sulfur Free
Made of Latex(Antistatic Processing), Powder Free, 정전방지용 무황 라텍스 지골무

* Material : Latex(Antistatic Processing)
* Surface Resistance Value : $10^{10\sim12}\Omega/\square$
* Thickness : approx. 0.12mm

〈L2〉

		Pk.	Price ₩
SL.Cot6552	Antistatic Finger Cots, Cut Type, L61mm	1000ea	56,770



Antistatic Nitrile Finger Cot, Rimless Roll-type Length 65mm
Made of Rubber Nitrile, Smooth Surface Finish, 니트릴 지골무, 정전기 방지용

■ *착용이 쉽고 간편하며 가장자리 림이 없어 손가락 조임이 없음*

* Material : Nitrile Rubber (Sulfur, Chlorine, Silicone and Natural Rubber are not used in the Raw Materials and Manufacturing Process.)
* No Rim for Comfort
* Roll-type : Easy to wear
* Inner Diameter(mm): 13.5
* Surface Resistance Value : $10^{9\sim11}\Omega/\square$
* Thickness : approx. 0.13mm
* Length : approx. 65mm

〈L2〉

		Pk.	Price ₩
SL.Cot6531	Nitrile Finger Cots, Rimless Roll-type, L65mm, Small	1000ea	79,740
SL.Cot6532	, Medium	1000ea	79,740
SL.Cot6533	, Large	1000ea	79,740

First Aid



※ First Aid Bandage & Dressing
⇒ See the "Bandages · Dressing · Tapes, 밴드 · 드레싱 · 테이프" Section.



Kartell® First Eyd® Emergency Eye-Wash Station, Imprinted Measures
Consists of Eye Wash Bottle and Bottle Holder, <Italy-Made> 눈 응급세척 치료장치

* Emergency Eye Wash Station Moulded in High-impact PS
* Bottle can be Filled with Distilled Water or other Medicated Liquid
* Eye Wash Bottle and Bottle Holder Sold Separately

〈L1〉

		Ea.	Price, ₩	Pk.	Price, ₩
KA.2386	Bottle Holder only, PS		50,240	10ea	487,230
KA.383	Eye Wash Bottle only, PE, 500㎖		23,200	10ea	224,940

Articles	Cat. No	Description

Iljin® Smart® First Aid Kit, 3 Tiered System, *Medicaluse*

With 19 items(34×21×h16cm), and 13 items(30×17×h13cm)
With PP Case & Translucent Lid, **다기능 "스마트" 구급함**

Medicaluse



Ⅰ. "**Smart-1**" **First aid Kit : 19 Contents, 34×21×h16cm, PP Case**
Ⅱ. "**Smart-2**" **First aid Kit : 13 Contents, 30×17×h13cm, PP Case**

■ 3단 계단식 수납함 구조로 열었을 때 내용물을 한눈에 볼 수 있음

* Ideal for Home, School & Industry
* Korean made : KGSP-Compliance
* Durable, Sturdy & Light weight
* Autoclavable PP(Polypropylene) Case with Translucent Lid & Safety Lock
* Three-stage Cascade PP Case : Easy to See the Contents

〈M3〉

		Kit.	Price, ₩
I6.1001	"Smart-1" First aid kit, 34×21×h16cm	19items	42,190
I6.1002	"Smart-2" First aid kit, 30×17×h13cm	13items	21,940

Kit Contents and the Quantity

Description / Model		Ⅰ. "Smart-1"Kit Contents Q`ty(ea)	Ⅱ. " Smart-2"Kit Contents Q`ty(ea)
(1)	PP Case	1ea, 34×21×h16cm	1ea, 30×17×h13cm
(2)	Scissors	1ea, 13cm	1ea, 13cm
(3)	Tweezer	1ea, 13cm	1ea, Plastic
(4)	Absorbent Cotton	1ea, 50g	1ea, 10g
(5)	Adhesive Plaster	1ea, Small	1ea, Small
(6)	Band-Aid, Comprehensive	1ea, 25p	1ea, 25P
(7)	Band-Aid, Square Type	1ea, 10p	-
(8)	Cataplasma(s) Spray	1ea, 200㎖	-
(9)	Cotton Swab	1ea, 100p	1ea, 100p
(10)	Disposable Mask	1ea	3ea
(11)	Elastic Bandage	1ea, 3"	1ea, 3"
(12)	Ethanol for Disinfection	1ea, 60㎖	-
(13)	Gauze Bandage	1ea, Small	-
(14)	Hydrogen Peroxide Solution	1ea, 60㎖	1ea, 60㎖
(15)	Pain Relieving Ointment	1ea, 10g	-
(16)	Self-adhesive Band	1ea, 2"(5cm×4.5m)	-
(17)	Sterile Gauze	1ea, 10×10cm/8p	1ea, 10×10cm/8p
(18)	Wound Dressing Pad	1ea, 6×7cm/4p	1ea, 6×7cm
(19)	Wound Ointment	1ea, 5g	1ea, 5g

※ Contents may Vary or Change without Notice.

Iljin® Classic® First Aid Kit, Wings Tray System, *Medicaluse*

With 20 items(32×19×h16cm), and 19 items(29×16×h13cm)
With ABS Case & Safety Lock, **표준형 "클래식" 구급함, 윙스타입 수납형**

Medicaluse



Ⅲ. "**Classic-1**" **First aid Kit : 20 Contents, 32×19×h16cm, ABS Case**
Ⅳ. "**Classic-2**" **First aid Kit : 19 Contents, 29×16×h13cm, ABS Case**

■ 뚜껑 내부의 고탄력 Elastic Band형 수납 공간

* Ideal for Home, School & Office
* Korean made : KGSP-Compliance
* Durable, Sturdy & Light weight ABS Resin Case : 2 Wings Tray and 4 Partitions
* Emergency First Aid Kit

〈M3〉

		Kit.	Price, ₩
I6.1003	"Classic-1" First aid kit, 32×19×h16cm	20items	43,880
I6.1004	"Classic-2" First aid kit, 29×16×h13cm	19items	33,750

Kit Contents and the Quantity

Description / Model		Ⅲ. "Classic-1"Kit Contents Q`ty(ea)	Ⅳ. " Classic-2"Kit Contents Q`ty(ea)
(1)	ABS Case	1ea, 32×19×h16cm	1ea, 29×16×h13cm
(2)	Scissors	1ea, 13cm	1ea, 13cm
(3)	Tweezer	1ea, 14cm	1ea, 14cm
(4)	Absorbent Cotton	1ea, 50g	1ea, 50g
(5)	Adhesive Plaster	1ea, Medium	1ea, Small
(6)	Alcohol Swab Stick	1ea	1ea
(7)	Band-Aid, Comprehensive	1ea, 25p	1ea, 25p
(8)	Band-Aid, Square Type	1ea, 10p	1ea, 25p
(9)	Cotton Swab	1ea, 100p	1ea, 100p
(10)	Disposable Mask	1ea	1ea
(11)	Elastic Bandage	1ea, 3"	1ea, 3"
(12)	Ethanol for Disinfection	1ea, 60㎖	-
(13)	Gauze Bandage	1ea, Small	1ea, Small
(14)	Hydrogen Peroxide Solution	1ea, 60㎖	1ea, 60㎖
(15)	Pain Relieving Ointment	1ea, 10g	1ea, 10g
(16)	Pill Case	-	1ea
(17)	Self Adhesive Band	1ea, 2"(5cm×4.5m)	1ea, 2"(5cm×4.5m)
(18)	Sterile Gauze	1ea, 10×10cm/8p	1ea, 10×10cm/8p
(19)	Vaseline	1ea, 100g	-
(20)	Wound Dressing Pad	1ea, 6×7cm/4p	1ea, 6×7cm/4p
(21)	Wound Ointment	1ea, 5g	1ea, 5g

※ Contents may Vary or Change without Notice.

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description

Iljin® First Aid Kit, with Beauty Articles, Compact-type, *Medicaluse*
With 3 Tiered System, 17 items(30×17×h13cm)
With PP Case & Translucent Lid, **미용 / 구급함**



"Beauty" First aid Kit : 17 Contents, 30×17×h13cm, PP Case

■ 투명성 뚜껑에 안전 잠금장치, 편리한 취급 이동성

∗ Ideal for Health Care & First Aid Treatment ∗ Korean made : KGSP-Compliance
∗ Autoclavable PP(Polypropylene) Case with Translucent Lid & Safety Lock
∗ Durable, Sturdy, Lightweight, and Safe Handling ‹M3›
∗ Three-stage Cascade PP Case : Easy to See the Contents

		Kit.	Price, ₩
I6.1005	**"Beauty" First aid Kit,** 30×17×h13cm	17items	27,000

Kit Contents and the Quantity

	Description	Q`ty(ea)
(1)	PP Case, 30×17×h13cm	1ea
(2)	Scissors, 13cm	1ea
(3)	Tweezer, 13cm	1ea
(4)	Tweezer for Beauty Treatment	1ea
(5)	Absorbent Cotton, 10g	2ea
(6)	Adhesive Plaster, Small	1ea
(7)	Band-Aid, Square Type, 10p	1ea
(8)	Band-Aid for Fingers, 8p	1ea
(9)	Cotton Swab, 100P	1ea
(10)	Disposable Mask	3ea
(11)	Elastic Bandage, 3"	1ea
(12)	Hydrogen Peroxide Solution, 60ml	1ea
(13)	Nail Clipper	1ea
(14)	Nail File	1ea
(15)	Stick for Ear	1ea
(16)	Trimmer	1ea
(17)	Wound Ointment, 5g	1ea

※ Contents may Vary or Change without Notice.



Ⅰ. "Large Capacity-1" First aid Kit : 28 Contents, 40×22×h21cm, PP Case

Ⅱ. "Large Capacity-2" First aid Kit : 28 Contents, 49×23.5×h23cm, ABS Case

Iljin® Large Capacity First Aid Kit, with Safety Lock, *Medicaluse*
28 item(40×22×h21cm, PP Case) and
28 item(49×23.5×h23cm, ABS Case), **대용량 구급함**

■ 인명 구급상황에 대비한 전문 구급 상자

∗ Korean made : KGSP-Compliance ∗ Professional Emergency First Aid Kit ‹M3›
∗ Ideal for Home, School & Industry, and Large Office

		Kit.	Price, ₩
I6.1006	**"Large Capacity-1" First aid kit,** 28 Contents, PP Case, 40×22×h21cm	28items	94,500
I6.1009	**"Large Capacity-2" First aid kit,** 28 Contents, ABS Case, 49×23.5×h23cm	28items	131,630

Ⅰ. "Large Capacity-1" First aid Kit Contents and the Quantity

	Description	Q`ty(ea)		Description	Q`ty(ea)
(1)	PP Case, 40×22×h21cm	1ea	(15)	Ethanol for Disinfection, 250㎖	1ea
(2)	Scissors, 14cm	1ea	(16)	Gauze Bandage, Medium	1ea
(3)	Tweezer, 14cm	1ea	(17)	Gauze Bandage, Small	1ea
(4)	Absorbent Cotton, 20g	1ea	(18)	Hydrogen Peroxide Solution, 250㎖	1ea
(5)	Absorbent Cotton, 50g	1ea	(19)	Instant Ice Pack, 280g	1ea
(6)	Adhesive Plaster, Small	1ea	(20)	Mosquito Repellent, 60㎖	1ea
(7)	Alcohol Swab Stick	2ea	(21)	Pill Case	1ea
(8)	Band-Aid with Character	1ea	(22)	Self-Adhesive Band, 2"(5cm×4.5m)	1ea
(9)	Band-Aid, Comprehensive, 25p	1ea	(23)	Sterile Vaseline Pad, 10×10cm	1ea
(10)	Cataplasma(s) Spray, 200㎖	1ea	(24)	Vaseline, 100g	1ea
(11)	Cotton Swab, 100p	1ea	(25)	Wound Dressing Pad, 6×7cm/4p	1ea
(12)	Disposable Mask	1ea	(26)	Wrist Support(Left)	1ea
(13)	Elastic Bandage, 3"	1ea	(27)	Wrist Support(Right)	1ea
(14)	Emergency Blanket, 140×220cm	1ea	(28)	Wound Ointment, 5g	1ea

※ Contents may Vary or Change without Notice.

Ⅱ. "Large Capacity-2" First aid Kit Contents and the Quantity

	Description	Q`ty(ea)		Description	Q`ty(ea)
(1)	ABS Case, 49×23.5×h23cm	1ea	(15)	Gauze Bandage, Medium	1ea
(2)	Scissors	1ea	(16)	Gauze Bandage, Small	1ea
(3)	Tweezer	1ea	(17)	Hydrogen Peroxide Solution, 60㎖	1ea
(4)	Absorbent Cotton, 20g	1ea	(18)	Instant Ice Pack, 280g	1ea
(5)	Absorbent Cotton, 50g	1ea	(19)	Medicated Patch, 5p	1ea
(6)	Adhesive Plaster, Medium	1ea	(20)	Mosquito Repellent, 60㎖	1ea
(7)	Alcohol Swab	4ea	(21)	Pain Relieving Ointment, 10g	1ea
(8)	Alcohol Swab Stick	2ea	(22)	Portable Oxygen Barrel, 648㎖	1ea
(9)	Band-Aid, Comprehensive, 25p	1ea	(23)	Self-Adhesive Band, 2"(5cm×4.5m)	1ea
(10)	Cataplasma(s) Spray, 200㎖	1ea	(24)	Sterile Gauze, 10×10cm/8p	1ea
(11)	Cotton Swab, 100p	1ea	(25)	Sterile Vaseline Pad, 10×10cm	1ea
(12)	Disposable Mask	1ea	(26)	Vaseline, 100g	1ea
(13)	Elastic Bandage, 3"	1ea	(27)	Wound Dressing Pad, 6×7cm/4p	1ea
(14)	Ethanol for Disinfection, 60㎖	1ea	(28)	Wound Ointment, 5g	1ea

※ Contents may Vary or Change without Notice.

Articles	Cat. No	Description

Iljin® Special® First Aid Kit, Slide Tray System, *Medicaluse*

With 21 items(36×22×h18cm), and 18 items(33×19×h15cm)

With ABS Case, SP구급함, 슬라이드타입 수납형



Ⅰ. SP-1 First aid Kit, : 21 Contents, 36×22×h18cm, ABS Case

Ⅱ. SP-2 First aid Kit : 18 Contents, 33×19×h15cm, ABS Case

■ *슬라이딩 형태의 구급함*

* Ideal for Home, School & Office
* Korean made : KGSP-Compliance
* Durable, Sturdy & Light weight ABS Resin Case

〈M3〉

		Kit.	Price, ₩
I6.1013	"SP-1" First aid kit, 36×22×h18cm	21items	59,070
I6.1014	"SP-2" First aid kit, 33×19×h15cm	18items	40,500

Kit Contents and the Quantity

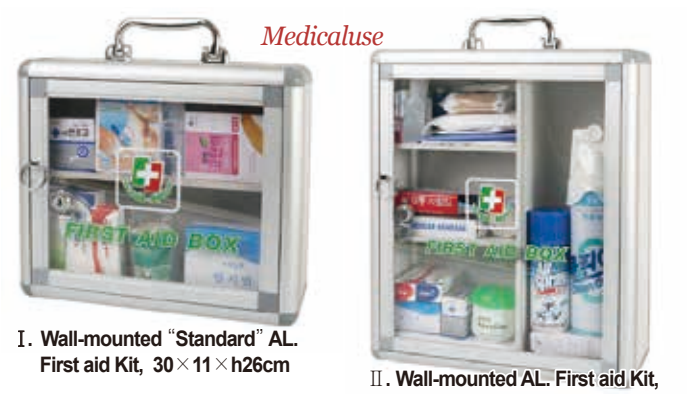
Description / Model		Ⅰ. "SP-1" Kit Contents Q`ty(ea)	Ⅱ. "SP-2" Kit Contents Q`ty(ea)
(1)	ABS Case	1ea, 36×22×h18cm	1ea, 33×19×h15cm
(2)	Scissors	1ea, 13cm	1ea, 13cm
(3)	Tweezer	1ea, 14cm	1ea, 14cm
(4)	Absorbent Cotton	1ea, 20g	1ea, 20g
(5)	Adhesive Plaster	1ea, Small	1ea, Small
(6)	Alcohol Swab Stick	1ea, 2p	1ea, 2p
(7)	Band-Aid, Comprehensive	1ea, 25p	1ea, 25p
(8)	Band-Aid, Square Type	1ea, 10p	1ea, 10p
(9)	Cataplasma(s) Spray	1ea, 200㎖	-
(10)	Cotton Swab	1ea, 100p	1ea, 100p
(11)	Disposable Mask	1ea	1ea
(12)	Elastic Bandage	1ea, 3"	1ea, 3"
(13)	Ethanol for Disinfection	1ea, 60㎖	1ea, 60㎖
(14)	Gauze Bandage	1ea, Medium	1ea, Small
(15)	Hydrogen Peroxide Solution	1ea, 250㎖	1ea, 60㎖
(16)	Pain Relieving Ointment	1ea, 10g	1ea, 10g
(17)	Pill Case	1ea	-
(18)	Self-adhesive Band	1ea, 2"(5cm×4.5m)	-
(19)	Sterile Gauze	1ea, (4"×4")	-
(20)	Vaseline	-	1ea, 100g
(21)	Wound Dressing Pad	1ea, 6×7cm/4p	1ea, 6×7cm/4p
(22)	Wound Ointment	1ea	1ea

※ Contents may Vary or Change without Notice.

Iljin® Wall-mounted Aluminum First Aid Kit, *Medicaluse*

With 18 items(30×11×h26cm), and 28 items(35×14×h42cm)

With Acrylic Door · Safety Handle · Key, 벽걸이용 알루미늄 구급함



Ⅰ. Wall-mounted "Standard" AL. First aid Kit, 30×11×h26cm

Ⅱ. Wall-mounted AL. First aid Kit, 35×14×h42cm

■ *벽에 탈부착이 가능한 구급함*

* Korean made : KGSP-Compliance
* Wall-Mounted type : Ideal for School, Office and Industry
* Light weight Aluminum Frame, Acryl Door, and Handle & Locking Key
* With Wall Mounted Devices

〈M3〉

		Kit.	Price, ₩
I6.1008	"Wall-mounted Standard" AL. First aid Kit, 30×11×h26cm	18items	65,820
I6.1010	"Wall-mounted" AL. First aid Kit, 35×14×h42cm	28items	143,440

Kit Contents and the Quantity

Description / Model		Ⅰ. "Wall-mounted Standard" Contents Q`ty(ea)	Ⅱ. "Wall-mounted" Contents Q`ty(ea)
(1)	Aluminum Case	1ea, 30×11×h26cm	1ea, 35×14×h42cm
(2)	Scissors	1ea, 13cm	1ea, 13cm
(3)	Tweezer	1ea, 13cm	1ea, 13cm
(4)	Absorbent Cotton	1ea, 20g	1ea, 20g
(5)	Adhesive Plaster	1ea, Small	1ea, Medium
(6)	Alcohol Swab	-	4ea
(7)	Alcohol Swab Stick	-	2ea
(8)	Band-Aid for Finger	-	1ea, 8p
(9)	Band-Aid, Comprehensive	1ea, 25p	1ea, 25p
(10)	Band-Aid, Square Type	-	1ea, 10p
(11)	Cataplasma(s) Spray	1ea, 200㎖	1ea, 200㎖
(12)	Cotton Swab	1ea, 100p	1ea, 100p
(13)	Disposable Mask	1ea	1ea
(14)	Elastic Bandage	1ea, 3"	1ea, 3"
(15)	Ethanol for Disinfection	1ea, 60㎖	1ea, 60㎖
(16)	Gauze Bandage, Medium	1ea	1ea
(17)	Gauze Bandage, Small	1ea	1ea
(18)	Hydrogen Peroxide Solution	-	1ea, 250㎖
(19)	Instant Ice Pack	-	1ea, 280g
(20)	Medicated Patch	-	1ea, 5p
(21)	Pain Relieving Ointment	-	1ea, 10g
(22)	Portable Oxygen Barrel	-	1ea, 648㎖
(23)	Self-Adhesive Band	1ea, 2"(5cm×4.5m)	1ea, 2"(5cm×4.5m)
(24)	Sterile Gauze	1ea, 4"×4"/8p	1ea, 10×10cm/8p
(25)	Sterile Vaseline Pad	1ea, 10g	1ea, 10×10cm
(26)	Vaseline	-	1ea, 100g
(27)	Wound Dressing Pad	1ea, 6×7cm/4p	1ea, 6×7cm/4p
(28)	Wound Ointment	1ea, 5g	1ea, 5g

※ Contents may Vary or Change without Notice.

※ The Price(VAT is extra) for Korean End-user, and Changeable.

FLASKS

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- Evaporating Flasks ..... P. 318
- Heating Mantles for Round Flask ..... P. 322~324
- Multi-neck Flasks *New* ..... P. 320~321
- Pear-Shaped *New* ..... P. 318
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Double Wall Vessel


Glass Lid


PTFE Lid


Reactor System

Articles	Cat. No	Description



SciLab® Pear-Shaped Flask, with ASTM & DIN Joint, 25~100㎖
Ideal for Semi Micro Distillation, Boro-glass 3.3, **조인트부 피어 타입 플라스크**

■ ***Supplied by SciLab Korea***

〈L1〉

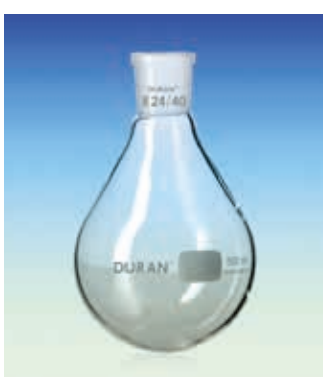
Capacity(㎖), Size Approx., od×h(mm)	(1) With ASTM 14/23 Joint		(2) With ASTM 24/40 Joint		(3) With DIN 24/29 Joint	
	Cat. No.	Ea. Price, ₩	Cat. No.	Ea. Price, ₩	Cat. No.	Ea. Price, ₩
25㎖, Φ40×h93mm	**SL.Fla2841**	7,740	-	-	-	-
50㎖, Φ50×h110mm	**SL.Fla2842**	7,740	**SL.Fla2852**	9,030	**SL.Fla2862**	9,030
100㎖, Φ60×h120mm	**SL.Fla2843**	9,030	**SL.Fla2853**	9,030	**SL.Fla2863**	9,030



Eco Evaporating Flask, with ASTM & DIN Joint, 100~2,000㎖
For Rotary Vacuum Evaporator, Boro Glass 3.3, **경제형 에바포레이팅 플라스크**

〈L1〉

Capacity(㎖), Size Approx., od×h(mm)	(1) With ASTM 24/40 Joint			(2) With DIN 29/32 Joint		
	Cat. No.	Ea. Price, ₩	Pk. Price, ₩	Cat. No.	Ea. Price, ₩	Pk. Price, ₩
100㎖, Φ 62×h118mm	**GL.069.402.02**	12,350	10ea 119,500	**GL.069.202.03**	12,620	10ea 122,100
250㎖, Φ 83×h143mm	**GL.069.402.04**	16,200	10ea 156,850	**GL.069.202.05**	16,120	10ea 155,990
500㎖, Φ100×h168mm	**GL.069.402.06**	21,980	10ea 212,890	**GL.069.202.07**	21,980	10ea 212,890
1,000㎖, Φ128×h198mm	**GL.069.402.09**	42,580	10ea 412,700	**GL.069.202.09**	42,580	10ea 412,700
2,000㎖, Φ160×h243mm	**GL.069.402.11**	61,770	6ea 359,180	**GL.069.202.10**	61,770	6ea 359,180



SciLab® Premium DURAN-glass Evaporating Flask, with ASTM & DIN Joints, 100~3,000㎖
For Rotary Vacuum Evaporator, Boro Glass 3.3, **에바포레이팅 플라스크**

■ ***Supplied by SciLab Korea*** ■ ***Custom-Made Available / 규격외 Items 자유롭게 주문하세요!***

〈L1〉

Capacity(㎖), Size Approx., od×h(mm)	(1) With ASTM 24/40 Joint		(2) With DIN 29/32 Joint	
	Cat. No.	Ea. Price, ₩	Cat. No.	Ea. Price, ₩
100㎖, Φ 60×h118mm	**SL.Fla2061**	29,740	**SL.Fla2060**	31,730
250㎖, Φ 81×h148mm	**SL.Fla2063**	35,300	**SL.Fla2062**	37,280
500㎖, Φ101×h178mm	**SL.Fla2065**	42,250	**SL.Fla2064**	44,230
1,000㎖, Φ126×h218mm	**SL.Fla2067**	53,900	**SL.Fla2066**	55,890
2,000㎖, Φ158×h248mm	**SL.Fla2069**	120,350	**SL.Fla2068**	122,330
3,000㎖, Φ176×h290mm	**SL.Fla2070**	200,100	-	-



SciLab® Premium DURAN-glass Receiving Flask, with 35/20 Spheric Socket, 100~2,000㎖
For Rotary Vacuum Evaporator, Boro Glass 3.3, **리시빙 플라스크**

■ ***Supplied by SciLab Korea***

〈L1〉

Cat. No.	Flask-type and Capacity (㎖)	Spherical Socket	Size Approx., od Φ×h (mm)	Ea. Price, ₩
SL.Fla2080	Receiving, 100㎖	35/20	Φ64×h110	45,880
SL.Fla2081	, 250㎖	〃	Φ85×h140	46,100
SL.Fla2082	, 500㎖	〃	Φ105×h170	48,190
SL.Fla2083	, 1,000㎖	〃	Φ131×h210	54,790
SL.Fla2084	, 2,000㎖	〃	Φ166×h240	88,000



SciLab® Flat Bottom Flask, with ASTM & DIN Joint, 100~2,000㎖, **평저 플라스크**

■ ***Supplied by SciLab Korea*** ∗ Made of Boro-glass 3.3

〈L1〉

Capacity(㎖), Size Approx., od×h(mm)	(1) With ASTM 24/40 Joint		(2) With DIN 24/29 Joint	
	Cat. No.	Ea. Price, ₩	Cat. No.	Ea. Price, ₩
100㎖, Φ64×h110mm	**SL.Fla2712**	7,420	**SL.Fla2722**	7,230
250㎖, Φ85×h135mm	**SL.Fla2714**	8,250	**SL.Fla2724**	8,600
300㎖, Φ88×h140mm	**SL.Fla2715**	7,870	**SL.Fla2725**	9,090
500㎖, Φ105×h162mm	**SL.Fla2716**	10,320	**SL.Fla2726**	10,050
1,000㎖, Φ131×h187mm	**SL.Fla2717**	14,180	**SL.Fla2727**	13,540
2,000㎖, Φ166×h230mm	**SL.Fla2718**	23,840	**SL.Fla2728**	23,200

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



Premium Flat Bottom

SciLab® Premium DURAN-glass Flat Bottom Flask, with ASTM & DIN Joint
Boro-glass 3.3, Autoclavable, 50~2,000㎖, 조인트부 평저 플라스크

■ ***Supplied by SciLab Korea*** ■ ***Custom-Made Available / 규격외 Items 자유롭게 주문하세요!***

〈L1〉

Flat Bottom Flasks, ㎖, Φ×h	(1) With ASTM Joint			(2) With DIN Joint		
	Joint No.	Cat. No.	Ea. Price, ₩	Joint No.	Cat. No.	Ea. Price, ₩
50㎖, Φ51×h100mm	14/23	SL.Fla2151	15,250	14/23	SL.Fla2151	15,250
	24/40	SL.Fla2152	14,750	24/29	SL.Fla2162	14,850
100㎖, Φ64×h110mm	14/23	SL.Fla2153	15,920	14/23	SL.Fla2153	15,920
	24/40	SL.Fla2154	15,400	24/29	SL.Fla2164.0	15,400
250㎖, Φ85×h140mm	〃	SL.Fla2155	16,900	〃	SL.Fla2165.0	16,900
300㎖, Φ88×h140mm	〃	SL.Fla2156	16,950	〃	SL.Fla2166.0	16,950
500㎖, Φ105×h170mm	〃	SL.Fla2157	23,550	〃	SL.Fla2167.0	23,550
1,000㎖, Φ131×h200mm	〃	SL.Fla2158	28,940	〃	SL.Fla2168.0	28,940
2,000㎖, Φ166×h250mm	〃	SL.Fla2159	68,870	〃	SL.Fla2169.0	68,870



SciLab® Round Bottom Flask, with ASTM & DIN Joint, 25~2,000㎖, 조인트부 환저 플라스크

■ ***Supplied by SciLab Korea*** ∗ Made of Boro-glass 3.3

〈L1〉

Capacity(㎖), Size Approx., od×h(mm)	(1) With ASTM Joint			(2) With DIN 24/29 Joint	
	Joint No.	Cat. No.	Ea. Price, ₩	Cat. No.	Ea. Price, ₩
25㎖, Φ41×h75mm	14/23	SL.Fla2740	5,290	-	-
50㎖, Φ51×h100mm	14/23	SL.Fla2741	5,880	-	-
	24/40	SL.Fla2751	7,290	SL.Fla2761	6,970
100㎖, Φ64×h109mm	24/40	SL.Fla2752	7,140	SL.Fla2762	7,230
250㎖, Φ88×h139mm	〃	SL.Fla2754	8,580	SL.Fla2764	8,250
500㎖, Φ105×h162mm	〃	SL.Fla2756	10,640	SL.Fla2766	10,050
1,000㎖, Φ131×h187mm	〃	SL.Fla2757	14,500	SL.Fla2767	13,540
2,000㎖, Φ166×h230mm	〃	SL.Fla2758	22,240	SL.Fla2768	21,270



Premium Round Bottom

SciLab® Premium DURAN-glass Round Bottom Flask, with ASTM & DIN Joint, 10~5,000㎖
Boro-glass 3.3, Autoclavable, 조인트부 환저 플라스크

■ ***Supplied by SciLab Korea*** ■ ***Custom-Made Available / 규격외 Items 자유롭게 주문하세요!***

〈L1〉

Round Bottom Flasks, ㎖, Φ×h	(1) With ASTM Joint			(2) With DIN Joint		
	Joint No.	Cat. No.	Ea. Price, ₩	Joint No.	Cat. No.	Ea. Price, ₩
10㎖, Φ 30×h 70mm	14/23	SL.Fla2175	14,100	14/23	SL.Fla2175	14,100
25㎖, Φ 42×h 72mm	〃	SL.Fla2176	13,870	〃	SL.Fla2176	13,870
50㎖, Φ 51×h105mm	24/40	SL.Fla2177	16,250	24/29	SL.Fla2190	16,250
	14/23	SL.Fla2178	16,250	14/23	SL.Fla2178	16,250
100㎖, Φ 64×h115mm	〃	SL.Fla2179	16,030	24/29	SL.Fla2191	15,520
	24/40	SL.Fla2180	15,520	〃	SL.Fla2192.0	15,520
250㎖, Φ 85×h145mm	〃	SL.Fla2181	16,950	〃	SL.Fla2193.0	16,950
500㎖, Φ105×h175mm	〃	SL.Fla2182	23,330	〃	SL.Fla2194.0	23,330
1,000㎖, Φ131×h200mm	〃	SL.Fla2183	28,190	〃	SL.Fla2195.0	28,190
2,000㎖, Φ166×h260mm	〃	SL.Fla2184	71,950	〃	SL.Fla2196.0	71,950
3,000㎖, Φ185×h260mm	〃	SL.Fla2185	127,170	〃	SL.Fla2197.0	127,170
5,000㎖, Φ223×h305mm	〃	SL.Fla2186	195,370	〃	SL.Fla2198.0	195,250



"witeg" Premium Amber Round Bottom Flask, DURAN Glass, with 24/40 Joint, 50~1,000㎖
Good for UV Protection, Made of Boro-glass 3.3, <Germany-Made> 갈색 조인트부 환저 플라스크

〈L1〉

∗ Ideal for Light Sensitive Materials ∗ Autoclavable

				Ea. Price,₩	Pk.	Price, ₩
WI.0615050	R/B Flask, Amber,	50㎖, od. Φ51×h90mm	, Joint-14/23	34,120	10ea	330,820
WI.0602050BR	,	〃 , od. Φ51×h100mm	, -24/40	41,080	10ea	398,370
WI.0602100BR	,	100㎖, od. Φ64×h110mm	, -24/40	45,190	10ea	438,180
WI.0602250BR	,	250㎖, od. Φ85×h140mm	, -24/40	51,250	10ea	497,050
WI.0602500BR	,	500㎖, od. Φ105×h170mm,	-24/40	76,120	10ea	738,180
WI.0602001BR	,	1,000㎖, od. Φ131×h210mm,	-24/40	91,290	10ea	885,370

Articles | Cat. No | Description



(1) 2 Neck Flask, Angle Side Neck

SciLab® 2 & 3×Joint Neck Round Bottom Flask, 50~5,000㎖

With ASTM & DIN Joint, 20° Angle Side Necks, Boro-glass 3.3, 2 & 3구 플라스크

■ *Supplied by SciLab Korea* ■ *Custom-Made Available / 규격외 Items 자유롭게 주문하세요!*

(1) With 2×Necks, 20° Angle, 50~2,000㎖

〈L1〉

2 Neck Round Bottom Flasks, ㎖, Φmm	With ASTM Joint				With DIN Joint			
	Socket		Cat. No.	Ea. Price,₩	Socket		Cat. No.	Ea. Price,₩
	Center	Side			Center	Side		
50㎖, Φ51	24/40	14/23	SL.Fla2212.A	14,730	24/29	14/23	SL.Fla2212.D	14,120
100㎖, Φ64	〃	24/40	SL.Fla2214.A	15,940	〃	24/29	SL.Fla2214.D	15,180
250㎖, Φ85	〃	〃	SL.Fla2216.A	18,230	〃	〃	SL.Fla2216.D	17,340
500㎖, Φ105	〃	〃	SL.Fla2218.A	22,740	〃	〃	SL.Fla2218.D	21,640
1,000㎖, Φ131	〃	〃	SL.Fla2219.A	27,630	〃	〃	SL.Fla2219.D	26,330
2,000㎖, Φ166	〃	〃	SL.Fla2221.A	36,570	〃	〃	SL.Fla2221.D	34,880
	34/45	〃	SL.Fla2222.A	38,950	34/35	〃	SL.Fla2222.D	37,100


(2) 20° Angle, 3-neck

(2) With 3×Necks, 20° Angle, 100~5,000㎖

3 Neck Round Bottom Flasks, ㎖, Φmm	With ASTM Joint				With DIN Joint			
	Socket		Cat. No.	Ea. Price,₩	Socket		Cat. No.	Ea. Price,₩
	Center	Side			Center	Side		
100㎖, Φ64	14/23	14/23	SL.Fla2241.A	24,570	24/29	14/23	SL.Fla2241.D	23,950
	24/40	24/40	SL.Fla2242.A	25,780	〃	24/29	SL.Fla2242.D	25,180
250㎖, Φ85	〃	〃	SL.Fla2244.A	27,790	〃	〃	SL.Fla2244.D	26,470
500㎖, Φ105	〃	〃	SL.Fla2246.A	31,000	〃	〃	SL.Fla2246.D	29,530
1,000㎖, Φ131	〃	〃	SL.Fla2248.A	37,230	〃	〃	SL.Fla2248.D	35,440
2,000㎖, Φ166	〃	〃	SL.Fla2250.A	50,740	〃	〃	SL.Fla2250.D	48,340
	34/45	〃	SL.Fla2251.A	54,630	34/35	〃	SL.Fla2251.D	52,020
3,000㎖, Φ185	〃	〃	SL.Fla2252.A	74,820	〃	〃	SL.Fla2252.D	71,250
5,000㎖, Φ225	〃	〃	SL.Fla2253.A	103,100	〃	〃	SL.Fla2253.D	98,190



(1) 20° Angle, 4-neck

SciLab® 4 & 5×Joint Neck Round Bottom Flask, 250~5,000㎖

With ASTM & DIN Joint, 20° Angle Side Necks, Boro-glass 3.3, 4 & 5구 플라스크

■ *Supplied by SciLab Korea* ■ *Custom-Made Available / 규격외 Items 자유롭게 주문하세요!*

(1) With 4×Necks, 20° Angle, 250~5,000㎖

〈L1〉

4 Neck Round Bottom Flasks, ㎖, Φmm	With ASTM Joint				With DIN Joint			
	Socket		Cat. No.	Ea. Price,₩	Socket		Cat. No.	Ea. Price,₩
	Center	Side			Center	Side		
250㎖, Φ85	24/40	24/40	SL.Fla2300.A	32,300	24/29	24/29	SL.Fla2300.D	30,770
500㎖, Φ105	〃	〃	SL.Fla2302.A	36,890	〃	〃	SL.Fla2302.D	35,140
1,000㎖, Φ131	〃	〃	SL.Fla2304.A	48,030	〃	〃	SL.Fla2304.D	45,750
2,000㎖, Φ166	〃	〃	SL.Fla2306.A	65,630	〃	〃	SL.Fla2306.D	62,490
	34/45	〃	SL.Fla2307.A	72,190	34/35	〃	SL.Fla2307.D	68,740
3,000㎖, Φ185	〃	〃	SL.Fla2308.A	86,980	〃	〃	SL.Fla2308.D	83,750
5,000㎖, Φ223	〃	〃	SL.Fla2309.A	128,850	〃	〃	SL.Fla2309.D	125,630


(2) 20° Angle, 5-neck

(2) With 5×Necks, 20° Angle, 500~5,000㎖

5 Neck Round Bottom Flasks, ㎖, Φmm	With ASTM Joint				With DIN Joint			
	Socket		Cat. No.	Ea. Price,₩	Socket		Cat. No.	Ea. Price,₩
	Center	Side			Center	Side		
500㎖, Φ105	24/40	24/40	SL.Fla2350.A	49,790	24/29	24/29	SL.Fla2350.D	47,420
1,000㎖, Φ131	〃	〃	SL.Fla2353.A	64,840	〃	〃	SL.Fla2353.D	61,750
2,000㎖, Φ166	〃	〃	SL.Fla2355.A	88,590	〃	〃	SL.Fla2355.D	84,370
	34/45	〃	SL.Fla2356.A	97,450	34/45	〃	SL.Fla2356.D	92,800
3,000㎖, Φ185	〃	〃	SL.Fla2357.A	117,400	〃	〃	SL.Fla2357.D	113,050
5,000㎖, Φ223	〃	〃	SL.Fla2358.A	173,930	〃	〃	SL.Fla2358.D	169,580

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



(1) 20° Angle, 4-neck DURAN-Flask



(2) 20° Angle, 5-neck DURAN-Flask

SciLab® Premium DURAN-glass 4 & 5×Joint Neck Round Bottom Flask, 250~5,000㎖

With ASTM & DIN Joint, 20° Angle Side Necks, Boro-glass 3.3, 4 & 5구 플라스크

■ ***Supplied by SciLab Korea*** ■ ***Custom-Made Available / 규격외 Items 자유롭게 주문하세요!***

(1) With 4×Necks, 20° Angle, 250~5,000㎖

〈L1〉

4 Neck Round Bottom Flasks, ㎖, Φmm	With ASTM Joint				With DIN Joint			
	Socket		Cat. No.	Ea. Price,₩	Socket		Cat. No.	Ea. Price,₩
	Center	Side			Center	Side		
250㎖, Φ85	24/40	24/40	**SL.Fla2300**	56,650	24/29	24/29	**SL.Fla2311.0**	56,650
500㎖, Φ105	〃	〃	**SL.Fla2302**	63,150	〃	〃	**SL.Fla2313.0**	63,150
1,000㎖, Φ131	〃	〃	**SL.Fla2304**	71,950	〃	〃	**SL.Fla2315.0**	71,950
2,000㎖, Φ166	〃	〃	**SL.Fla2306**	118,370	〃	〃	**SL.Fla2317.0**	118,370
	34/45	〃	**SL.Fla2307**	125,400	34/35	〃	**SL.Fla2318.0**	125,400
3,000㎖, Φ185	〃	〃	**SL.Fla2308**	174,470	〃	〃	**SL.Fla2319.0**	174,470
5,000㎖, Φ223	〃	〃	**SL.Fla2309**	269,730	〃	〃	**SL.Fla2320.0**	269,730

(2) With 5×Necks, 20° Angle, 500~5,000㎖

5 Neck Round Bottom Flasks, ㎖, Φmm	With ASTM Joint				With DIN Joint			
	Socket		Cat. No.	Ea. Price,₩	Socket		Cat. No.	Ea. Price,₩
	Center	Side			Center	Side		
500㎖, Φ105	24/40	24/40	**SL.Fla2350**	82,290	24/29	24/29	**SL.Fla2360.0**	82,290
1,000㎖, Φ131	〃	〃	**SL.Fla2353**	88,890	〃	〃	**SL.Fla2363.0**	88,890
2,000㎖, Φ166	〃	〃	**SL.Fla2355**	139,700	〃	〃	**SL.Fla2365.0**	139,700
	34/45	〃	**SL.Fla2356**	146,750	〃	〃	**SL.Fla2366.0**	146,750
3,000㎖, Φ185	〃	〃	**SL.Fla2357**	198,000	〃	〃	**SL.Fla2367.0**	198,000
5,000㎖, Φ223	〃	〃	**SL.Fla2358**	295,690	〃	〃	**SL.Fla2368.0**	295,690



SciLab® Premium DURAN-glass Joint Reaction Flask, with PTFE-plug Stopcock Side Arms & Septa Inlet

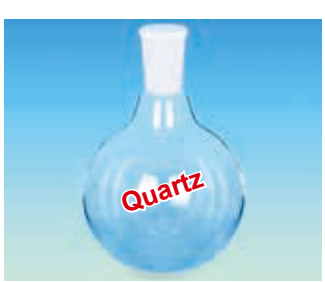
Side-arm id 7×od 9mm, 50~1,000㎖, 조인트부 반응 플라스크

■ ***Supplied by SciLab Korea*** ■ ***Custom-Made Available / 규격외 Items 자유롭게 주문하세요!***

〈L1〉

∗ Use septa Wheaton 224100.060(id 7 mm) : Option

		Pk.	Price, ₩	Cs.	Price, ₩
SL.Fla2200	R/B Flask, w/ Side-arm, 50㎖ , Bore 2.5 mm, DIN 14/23			1ea	60,790
SL.Fla2201	, 100㎖ , Bore 2.5 mm, DIN 14/23			1ea	58,930
SL.Fla2201D	, 100㎖ , Bore 2.5 mm, DIN 24/40			1ea	60,620
SL.Fla2202	, 250㎖ , Bore 2.5 mm, DIN 24/40			1ea	63,040
SL.Fla2204	, 500㎖ , Bore 2.5 mm, DIN 24/40			1ea	67,330
SL.Fla2206	, 1,000㎖, Bore 4 mm, DIN 24/40			1ea	86,690
WH.224100.060	**Optional Sleeve Septa**, for id 7 mm Neck	100ea	111,320	10pk	1,030,100



Quartz Round-bottom Flask, with ASTM 24/40 Joint, High Transparent, 100~1,000㎖

Without Graduation, max 1250℃ in use, Softening Point 1680℃, 석영 조인트부 환저 플라스크

■ ***Supplied by SciLab Korea*** ∗ Thermal Expansion Coefficient 5.5 10^{-7} k^{-1}

〈L2〉

∗ Excellent Transmission, Especially Ultrared Zone and Visible Area, Compare with Ordinary Glass

		Ea.	Price,₩
SL.Qu.Fl043	R/B Flask, Quartz, ASTM 24/40, 100㎖ , Φ64×h102mm		98,440
SL.Qu.Fl044	, 250㎖ , Φ85×h135mm		157,500
SL.Qu.Fl045	, 500㎖ , Φ108×h170mm		236,250
SL.Qu.Fl046	, 1,000㎖, Φ135×h215mm		393,750



VITLAB® PFA Joint Flask, DIN 29/32, 100~500㎖

Excellent Chemical and Corrosion Resistance, −200℃+260℃, <Germany-Made> PFA 투명 테프론 플라스크 〈L1〉

		Ea.	Price,₩
VI.1077.97	R/B Flask, PFA, DIN 29/32, 100㎖, Φ65×h117mm		134,500
VI.1078.97	, 250㎖, Φ88×h147mm		157,220
VI.1079.97	, 500㎖, Φ107×h177mm		216,050

DAIHAN® Aluminum-case Round Flask Heating Mantle, (1) Basic & (2) Stirring-type, 450℃, 50~30,000㎖

With Built-in Temp Controller, with/without Mag-stir Speed Control, with Certi. & Traceability

라운드플라스크용 히팅맨틀, 온도 조절기와 Ni-Cr 열선 내장, "기본형" 및 "자석교반형"

- ***Supplied by DAIHAN Korea***
- ***Ideal for All type Round Flask***
- ***50~6,000㎖ ; Non-magnetic Aluminum Case, 10Lit ~ 30Lit ; Powder-coated Steel Case***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
- ***Built-in Temp-Controller. Nickel-Chrome Heating Element "Coil-type" : Acid Resistant & Long Life Time.***



(1) Basic-type

<Ex.>
Setting Figure;
(1) Basic Mantle
+Flask+Stirrer
+Stand+Access.



(1) Basic-type Flask Mantle, Built-in Temp. Controller

∗ Heating Mantles for 50㎖~6,000㎖ Flask are with a Device* for Holding a Optional Stainless-steel Rod Φ12.7 mm for Article Support.

〈L1〉

Flasks, ㎖ Dia. Φ mm	Mantle			Catalog No.		Ea. Price, ₩
	Watts (W)	Inside Depth	Outside Φ × h(mm)	230V	120V	
50㎖, Φ49~52	80 W	40 mm	Φ150×h140	**DH.WHM12010**	**DH.WHM12020**	107,000
100㎖, Φ63~66	80 W	40 mm	Φ150×h140	**DH.WHM12011**	**DH.WHM12021**	107,000
250㎖, Φ83~86	140 W	65 mm	Φ150×h140	**DH.WHM12012**	**DH.WHM12022**	110,000
500㎖, Φ102~105	240 W	65 mm	Φ200×h165	**DH.WHM12013**	**DH.WHM12023**	133,000
1,000㎖, Φ130~133	350 W	75 mm	Φ200×h165	**DH.WHM12014**	**DH.WHM12024**	138,000
2,000㎖, Φ165~169	450 W	100 mm	Φ270×h200	**DH.WHM12015**	**DH.WHM12025**	165,000
3,000㎖, Φ184~187	550 W	105 mm	Φ270×h200	**DH.WHM12016**	**DH.WHM12026**	180,000
4,000㎖, Φ206~208	750 W	140 mm	Φ325×h226	**DH.WHM8037**	**DH.WHM8037.1**	243,000
5,000㎖, Φ221~224	800 W	131 mm	Φ325×h226	**DH.WHM12017**	**DH.WHM12027**	243,000
6,000㎖, Φ234~237	800 W	131 mm	Φ325×h226	**DH.WHM12018**	**DH.WHM12028**	250,000
10Lit, Φ278~282	1,400 W	150 mm	Φ390×h240	**DH.WHM12019**	**DH.WHM12029**	440,000
20Lit, Φ344~348	2,000 W	200 mm	Φ470×h260	**DH.WHM12070**	**DH.WHM12071**	742,000
30Lit, Φ410~420	3,200 W	280 mm	Φ515×h330	**DH.WHM12072**	**DH.WHM12072.1**	969,000



(2) Stirring-type Flask Mantle with a Stir-Bar

(2) Stirring-type Flask Mantle, Built-in 50~1200rpm Mag-stir Speed & Temp. Controller

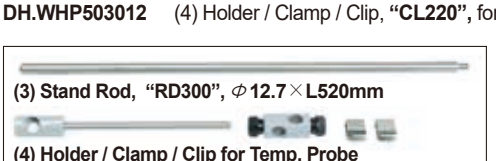
∗ Heating Mantles for 50㎖~6,000㎖ Flask are with a Device* for Holding a Optional Stainless-steel Rod Φ12.7 mm for Article Support. ∗ 10-/20-Lit models Square-type Outside Shape.

∗ With 1ea × PTFE Oval-type Magnetic Stirrer Bar, L25mm.

Flasks, ㎖ Dia. Φ mm	Mantle			Catalog No.		Ea. Price, ₩
	Watts (W)	Inside Depth	Outside Φ × h(mm)	230V	120V	
50㎖, Φ49~52	80 W	40 mm	Φ150×h140	**DH.WHM12030**	**DH.WHM12040**	305,000
100㎖, Φ63~66	80 W	40 mm	Φ150×h140	**DH.WHM12031**	**DH.WHM12041**	305,000
250㎖, Φ83~86	140 W	50 mm	Φ150×h140	**DH.WHM12032**	**DH.WHM12042**	305,000
500㎖, Φ102~105	240 W	65 mm	Φ200×h165	**DH.WHM12033**	**DH.WHM12043**	325,000
1,000㎖, Φ130~133	350 W	75 mm	Φ200×h165	**DH.WHM12034**	**DH.WHM12044**	330,000
2,000㎖, Φ165~169	450 W	100 mm	Φ270×h200	**DH.WHM12035**	**DH.WHM12045**	353,000
3,000㎖, Φ184~187	550 W	105 mm	Φ270×h200	**DH.WHM12036**	**DH.WHM12046**	362,000
4,000㎖, Φ206~208	750 W	135 mm	Φ325×h226	**DH.WHM8057**	**DH.WHM8057.1**	439,000
5,000㎖, Φ221~224	800 W	131 mm	Φ325×h226	**DH.WHM12037**	**DH.WHM12047**	439,000
6,000㎖, Φ234~237	800 W	131 mm	Φ325×h226	**DH.WHM12038**	**DH.WHM12048**	442,000
10Lit, Φ278~282	1,500 W	210 mm	440×510×h310	**DH.WHM8060**	**DH.WHM8060.1**	1,048,000
20Lit, Φ344~348	2,000 W	230 mm	440×550×h330	**DH.WHM8061**	**DH.WHM8061.1**	1,394,000

Optional Stainless-steel Rod, Holder & Clamp

		Ea. Price, ₩
DH.WHP503037	(3) Stand Rod, Φ12.7×L520mm, **"RD300",** for Heating Mantles	17,500
DH.WHP503012	(4) Holder / Clamp / Clip, **"CL220",** for Temp. Sensor	30,000



(3) Stand Rod, "RD300", Φ12.7×L520mm

(4) Holder / Clamp / Clip for Temp. Probe

※ The Price(VAT is extra) for Korean End-user, and Changeable.

DAIHAN® Aluminum-case Remote Controlled Round Flask Heating Mantle, (1) 450℃ Basic & (2) 650℃ Hi-Temp, 50㎖~100Lit

With Nickel Chrome Heating Element, K-type Thermo-Sensor Integrated, with Certi. & Traceability, Option-Controller

라운드플라스크용 히팅맨틀, K-type 온도센서와 Ni-Cr 열선 내장, 자력교반기와 사용가능, 조절기와 외장 온도 프로브 별도

- ***Supplied by DAIHAN Korea***
- ***Ideal for All type Round Flask and Use with Magnetic Stirrer***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
- ***Optional Remote Thermo Controller, K-type Thermo-Sensor, and Nickel-Chrome Heating Element "Coil-type" : Acid Resistant & Long Life Time.***
- ***Heating Mantles for 50㎖~6,000㎖ Flask are with a Device* for Holding a Optional Stainless-steel Rod Φ12.7mm for Article Support.***

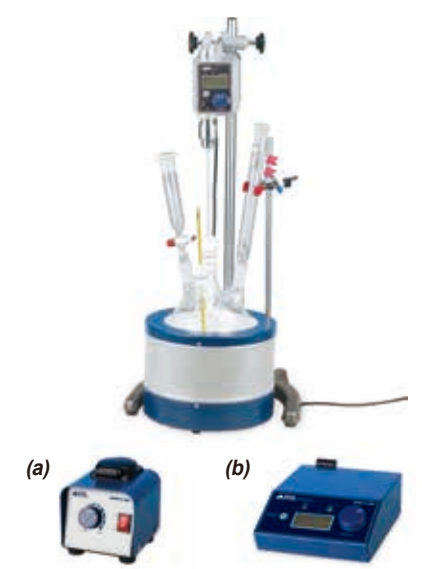


(1) 450℃ Basic-type



(2) 650℃ High Temp.-type

▶Controller ; Option!





(3) Stand Rod, "RD300", Φ12.7×L520mm

(4) Holder / Clamp / Clip for Temp. Probe

(1) 450℃ Basic-type, 50㎖~100Lit

＊50㎖~6000㎖ ; Non-magnetic Aluminum Case, 10Lit~100Lit ; Powder-coated Steel Case

〈L1〉

Flasks, ㎖ Dia. Φ mm	Mantle			Catalog No.		Ea. Price, ₩
	Watts (W)	Inside Depth	Outside Φ × h(mm)	230V	120V	
50㎖, Φ49~52	80 W	48 mm	Φ150×h75	**DH.WHM12050**	**DH.WHM12060**	79,000
100㎖, Φ63~66	80 W	50 mm	Φ150×h75	**DH.WHM12051**	**DH.WHM12061**	79,000
250㎖, Φ83~86	140 W	50 mm	Φ150×h75	**DH.WHM12052**	**DH.WHM12062**	85,000
500㎖, Φ102~105	240 W	85 mm	Φ200×h90	**DH.WHM12053**	**DH.WHM12063**	99,000
1,000㎖, Φ130~133	350 W	85 mm	Φ200×h140	**DH.WHM12054**	**DH.WHM12064**	109,000
2,000㎖, Φ165~169	450 W	110 mm	Φ270×h135	**DH.WHM12055**	**DH.WHM12065**	135,000
3,000㎖, Φ184~187	550 W	110 mm	Φ270×h135	**DH.WHM12056**	**DH.WHM12066**	144,000
4,000㎖, Φ206~208	750 W	135 mm	Φ325×h180	**DH.WHM8078**	**DH.WHM8078.1**	202,000
5,000㎖, Φ221~224	800 W	140 mm	Φ325×h165	**DH.WHM12057**	**DH.WHM12067**	202,000
6,000㎖, Φ234~237	800 W	140 mm	Φ325×h165	**DH.WHM12058**	**DH.WHM12068**	202,000
10Lit, Φ278~282	1,400 W	160 mm	Φ390×h240	**DH.WHM12073**	**DH.WHM12083**	395,000
20Lit, Φ344~348	2,000 W	200 mm	Φ460×h280	**DH.WHM12074**	**DH.WHM12084**	673,000
50Lit, Φ489~494	4,000 W	282 mm	Φ680×h360	**DH.WHM12075**	**DH.WHM12085**	1,142,000
100Lit, Φ609~614	6,000 W	370 mm	Φ740×h450	**DH.WHM8084**	**DH.WHM8084.1**	2,098,000

(2) 650℃ High Temp-type, 100㎖~10Lit

＊100㎖~6000㎖ ; Non-magnetic Aluminum Case, 10Lit ; Powder-coated Steel Case

Flasks, ㎖ Dia. Φ mm	Mantle			Catalog No.		Ea. Price, ₩
	Watts (W)	Inside Depth	Outside Φ × h(mm)	230V	120V	
100㎖, Φ63~66	120 W	50 mm	Φ150×h75	**DH.WHM12091**	**DH.WHM12101**	132,000
250㎖, Φ83~86	200 W	50 mm	Φ150×h75	**DH.WHM12092**	**DH.WHM12102**	145,000
500㎖, Φ102~105	350 W	70 mm	Φ200×h80	**DH.WHM12093**	**DH.WHM12103**	159,000
1,000㎖, Φ130~133	450 W	85 mm	Φ200×h140	**DH.WHM12094**	**DH.WHM12104**	213,000
2,000㎖, Φ165~169	600 W	110 mm	Φ270×h135	**DH.WHM12095**	**DH.WHM12105**	290,000
3,000㎖, Φ184~187	700 W	110 mm	Φ270×h135	**DH.WHM12096**	**DH.WHM12106**	325,000
4,000㎖, Φ206~208	850 W	125 mm	Φ325×h180	**DH.WHM8097**	**DH.WHM8097.1**	402,000
5,000㎖, Φ221~224	1,200 W	140 mm	Φ325×h165	**DH.WHM12097**	**DH.WHM12107**	402,000
6,000㎖, Φ234~237	1,200 W	140 mm	Φ325×h165	**DH.WHM12098**	**DH.WHM12108**	448,000
10Lit, Φ278~282	2,000 W	160 mm	Φ400×h260	**DH.WHM8100**	**DH.WHM8100.1**	832,000

Optional Remote Controller

	Cat. No		Ea. Price, ₩
	230V	120V	
(a) Analog Remote Controller, 5~100% of Rated Voltage, Up to 1.2kW	**DH.WHM13500**	**DH.WHM23500**	139,000
(b) Digital Remote Controller, Ambient +5℃~700℃, ±1℃ Uniformity at Set Temp.	**DH.WHM12500**	**DH.WHM22500**	282,000

Optional Temp. Probe & Stand Rod, Holder, Clamp for Digital Temp. Remote Controller

		Ea. Price, ₩
DH.WHP503040	Direct Contact Temp. Probe, K-type, **"SS300"**, L250×Φ4.8 mm	61,300
DH.WHP503050	, **"SS400"**, L380×Φ4.8 mm	63,800
DH.WHP503041	, **"SS310"**, Teflon Coated, L250×Φ5 mm	101,300
DH.WHP503051	, **"SS410"**, Teflon Coated, L380×Φ5 mm	107,500
DH.WHP503037	(3) Stand Rod, Φ12.7×L520mm, **"RD300"**, for Heating Mantles	17,500
DH.WHP503012	(4) Holder / Clamp / Clip, **"CL220"**, for Temp. Sensor	30,000

DAIHAN® Fabric-Housed Round Flask Heating Mantle, Remote Controlled, (1) Base & (2) Top Cover, 450℃, 50㎖~100Lit

With Nickel Chrome Heating Element, Option-Controller, with Certi. & Traceability

라운드 플라스크용 직물케이스 히팅맨틀, Ni-Cr 열선 내장, 자력교반기와 사용가능, 조절기와 외장 온도 프로브 별도

- ***Supplied by DAIHAN Korea***
- ***Ideal for All type Round Flask and Use with Magnetic Stirrer***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
- ***Nickel-Chrome Heating Element "Coil-type" : Acid Resistant & Long Life Time.***

~450℃ ***2-Year Warranty***



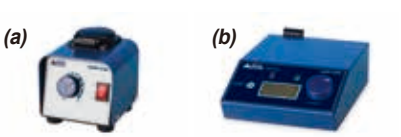
(1) Self Standing-base

~450℃ ***2-Year Warranty***



<Ex.>(2) Top Cover with (1) Self Standing-base

▶Controller ; Option!



(1) Self Standing-base Mantle

<L1>

Flasks, ㎖ Dia. Φ mm	Mantle			Catalog No.		Ea. Price, ₩
	Watts (W)	Inside Depth	Outside Φ × h(mm)	230V	120V	
50㎖, Φ49~52	80 W	30 mm	Φ80×h55	**DH.WHM12110**	**DH.WHM12120**	38,000
100/125㎖, Φ63~66	80 W	40 mm	Φ100×h65	**DH.WHM12111**	**DH.WHM12121**	38,000
250㎖, Φ83~86	140 W	50 mm	Φ125×h75	**DH.WHM12112**	**DH.WHM12122**	47,000
500㎖, Φ102~105	240 W	60 mm	Φ155×h85	**DH.WHM12113**	**DH.WHM12123**	49,000
1,000㎖, Φ130~133	350 W	75 mm	Φ191×h100	**DH.WHM12114**	**DH.WHM12124**	59,000
2,000㎖, Φ165~169	450 W	95 mm	Φ226×h120	**DH.WHM12115**	**DH.WHM12125**	77,000
3,000㎖, Φ184~187	550 W	105 mm	Φ255×h130	**DH.WHM12116**	**DH.WHM12126**	87,000
4,000㎖, Φ206~208	750 W	120 mm	Φ310×h160	**DH.WHM8108**	**DH.WHM8108.1**	107,000
5,000㎖, Φ221~224	800 W	130 mm	Φ293×h155	**DH.WHM12117**	**DH.WHM12127**	107,000

(2) Top Cover only

Flasks, ㎖ Dia. Φ mm	Mantle		Catalog No.		Ea. Price, ₩
	Watts (W)	Outside Φ(mm)	230V	120V	
250㎖, Φ83~86	100 W	Φ136	**DH.WHM121301**	**DH.WHM121311**	122,000
500㎖, Φ102~105	140 W	Φ155	**DH.WHM121302**	**DH.WHM121312**	133,000
1,000㎖, Φ130~133	240 W	Φ183	**DH.WHM121303**	**DH.WHM121313**	179,000
2,000㎖, Φ165~169	350 W	Φ220	**DH.WHM121304**	**DH.WHM121314**	237,000
3,000㎖, Φ184~187	400 W	Φ236	**DH.WHM121305**	**DH.WHM121315**	259,000
4,000㎖, Φ206~208	490 W	Φ260	**DH.WHM8117**	**DH.WHM8117.1**	305,000
5,000㎖, Φ221~224	550 W	Φ275	**DH.WHM121306**	**DH.WHM121316**	305,000
10Lit, Φ278~282	700 W	Φ332	**DH.WHM121307**	**DH.WHM121317**	420,000
20Lit, Φ344~348	1600 W	Φ400	**DH.WHM121308**	**DH.WHM121318**	537,000
50Lit, Φ489~494	2,000 W	Φ550	**DH.WHM8121**	**DH.WHM8121.1**	783,000
100Lit, Φ609~614	2,000 W	Φ665	**DH.WHM8122**	**DH.WHM8122.1**	1,430,000

Optional Remote Controller

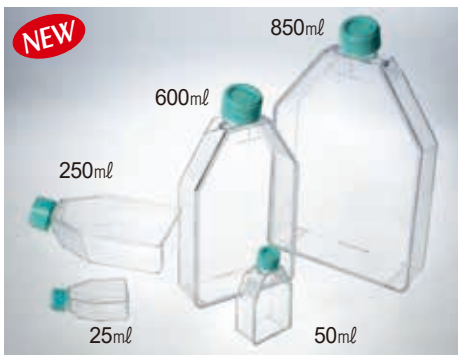
	Cat. No		Ea. Price, ₩
	230V	120V	
(a) Analog Remote Controller, 5~100% of Rated Voltage, Up to 1.2kW	**DH.WHM13500**	**DH.WHM23500**	139,000
(b) Digital Remote Controller, Ambient +5℃~700℃, ±1℃ Uniformity at Set Temp.	**DH.WHM12500**	**DH.WHM22500**	282,000

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description

Biofil® Cell and Tissue-Culture Flask, PS, TC-treated or Non-treated, Sterile, Quality Traceable, 25~850㎖

Perfect for Cell Growth and Yield, with Graduation, Stackable, **컬처 플라스크, 세포 배양용**



(1), (2) TC-treated & Non-treated



2 Types of Caps



- ***Manufactured in Class 100,000 Cleanroom with Materials Conforming to USP CLASS VI Standards under the Quality Control of ISO 13485 & 9001 and CE.***
- ***Batch Certifications : Lot No. is Printed on Every Case (or Pack) for Quality Traceability.***
- ***Flask : Crystal Class Virgin Polystyrene, Cap : HDPE, Filter Membrane : PTFE***

∗ DNase / RNase free and Non-Pyrogenic. ∗ Sterilized by Gamma Radiation.
∗ 0.22㎛ Hydrophobic Vent Cap Supports Gas Exchange and Prevents Cross-Contamination
∗ Ergonomic Cap Design; Open/Close by Screwing 1/4 of its Full Range
∗ Surface is Flat and Free from Striation to maximize Usable Growth Area.
∗ Innovative Tilted Neck : Easy Access of Pipet and Cell Scraper
∗ Upper Triangular and Wider Base Shape provide Stability.
∗ Protrudent Ridge makes it Easy for Stacking.
∗ Both Flask Sides have Engraved Graduation : accu.±6 %.
∗ Frosted Writing Area near the Neck
∗ 25 / 50㎖ : 10pcs / Sterile Inner Pack, 250 / 600㎖ : 5pcs / Sterile Inner Pack, 850㎖ : 3pcs / Sterile Inner Pack

(1) With TC-Treated Surface

∗ Suitable for Common Adherent Cell Lines ∗ Excellent Hydrophilicity of the PS Surface 〈L1〉
∗ Cell Culture Surface Area : 12.5, 25, 75, 182 and 300cm²

		Pk.	Price,₩	Cs.	Price, ₩
J1.C011.025	Flask, Culture, 25 / 5㎖ , 12.5㎠ , Standard Cap	10ea	7,670	20pk	139,190
J1.C012.025	, Vented Cap	10ea	9,370	20pk	170,180
J1.C011.050	, 50 / 5㎖ , 25.0㎠ , Standard Cap	10ea	8,050	20pk	146,080
J1.C012.050	, Vented Cap	10ea	9,940	20pk	180,450
J1.C011.250	, 250 / 25㎖, 75.0㎠ , Standard Cap	5ea	8,990	20pk	163,300
J1.C012.250	, Vented Cap	5ea	10,080	20pk	183,030
J1.C011.600	, 600 / 25㎖, 182.0㎠, Standard Cap	5ea	15,140	8pk	109,950
J1.C012.600	, Vented Cap	5ea	17,970	8pk	130,600
J1.C011.850	, 850 / 25㎖, 300.0㎠, Standard Cap	3ea	17,450	6pk	95,170
J1.C012.850	, Vented Cap	3ea	21,380	6pk	116,580

(2) With Non-Treated Surface NEW

∗ Suitable for Suspension Cell Culture

		Pk.	Price,₩	Cs.	Price, ₩
J1.C001.025	Flask, Culture, 25 / 5㎖ , Standard Cap	10ea	6,300	20pk	114,330
J1.C002.025	, Vented Cap	10ea	8,030	20pk	145,900
J1.C001.050	, 50 / 5㎖ , Standard Cap	10ea	6,630	20pk	120,330
J1.C002.050	, Vented Cap	10ea	8,620	20pk	156,430
J1.C001.250	, 250 / 25㎖, Standard Cap	5ea	6,880	20pk	124,850
J1.C002.250	, Vented Cap	5ea	8,280	20pk	150,430
J1.C001.600	, 600 / 25㎖, Standard Cap	5ea	12,830	8pk	93,250
J1.C002.600	, Vented Cap	5ea	15,730	8pk	114,330
J1.C001.850	, 850 / 25㎖, Standard Cap	3ea	16,190	6pk	88,240
J1.C002.850	, Vented Cap	3ea	17,870	6pk	97,420

Articles	Cat. No	Description

Biofil® 125~5,000㎖ PC Culture Media Erlenmeyer Flask, Plain & Baffled Bottom, with Standard or Vented Cap, Sterile

Ideal for Cell Culture, Accurate Graduation, Individually Packing, −100℃+135/140℃, **개별 멸균 PC 컬처 플라스크**



(1) with Plain Bottom



(2) with 4-Baffled Bottom



Standard Cap



Vent Cap

- ***Manufactured in Class 100,000 Cleanroom with Materials Conforming to USP CLASS VI Standards under the Quality Control of ISO 13485 & 9001 and CE.***
- ***Batch Certifications : Lot No. is Printed on Every Case (or Pack) for Quality Traceability***
- ***Material : Flask - Polycarbonate (PC), Cap - High Density Polyethylene (HDPE), Cap Filter Membrane - Polytetrafluoroethylene (PTFE)***
- ***Ideal for Large-scale Expansion Culture of Suspension Cells and Bacteria***

∗ Ideal for Screening of Industrial Microbial Strains, Large-scale Proliferation Tests, and Seed Cultures.
∗ Can be Used for Media Preparation, Mixing, Storage, and Other Purposes
∗ Clear and Accurate Graduation for Volume Observation ∗ Flask Neck is Lengthened to Hold easier
∗ The Unique Drain Neck of the 5L Flask Prevents Liquid Splashing Out when Pouring
∗ 0.22㎛ PTFE Hydrophobic, Permeable Filter Membrane Cap Ensures Sterility and Facilitates Gas Exchange
∗ DNase/RNase Free, Non-pyrogenic & Non-cytotoxic

※ **Note! When Autoclaving, Loosen Off the PP Screwcap!!**

〈L1〉

(1) 125~5,000㎖ Standard Flask, with Plain Bottom

		Ea. Price, ₩	Pk.	Price, ₩
J1.TAB001.125	Flask, PC, Plain, 125㎖ , with Standard Cap	6,180	24ea	134,550
J1.TAB002.125	, with Vented Cap	6,490	24ea	141,300
J1.TAB001.250	, 250㎖ , with Standard Cap	8,700	12ea	94,870
J1.TAB002.250	, with Vented Cap	9,180	12ea	100,030
J1.TAB001.500	, 500㎖ , with Standard Cap	11,570	12ea	126,050
J1.TAB002.500	, with Vented Cap	11,940	12ea	130,190
J1.TAB001.000	, 1000㎖, with Standard Cap	14,050	24ea	306,540
J1.TAB002.000	, with Vented Cap	14,850	24ea	323,870
J1.TAB001.002	Flask, Large, PC, Plan, 2000㎖, with Standard Cap	32,390	6ea	176,630
J1.TAB002.002	, with Vented Cap	33,120	6ea	180,590
J1.TAB001.003	, 3000㎖, with Standard Cap	55,200	4ea	200,700
J1.TAB002.003	, with Vented Cap	56,840	4ea	206,650
J1.TAB001.005	, 5000㎖, with Standard Cap	88,240	4ea	320,830
J1.TAB002.005	, with Vented Cap	92,200	4ea	335,240

(2) 125~1,000㎖ Shaking Flask, with 4-Baffled Bottom

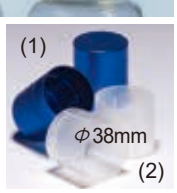
∗ Baffled Bottom Design Could Enhance Ventilation Efficiency and Reduce Shear Force Against Samples

		Ea. Price, ₩	Pk.	Price, ₩
J1.TAB011.125	Flask, PC, Baffled, 125㎖ , with Standard Cap	6,790	24ea	148,000
J1.TAB012.125	, with Vented Cap	7,130	24ea	155,430
J1.TAB011.250	, 250㎖ , with Standard Cap	9,580	12ea	104,350
J1.TAB012.250	, with Vented Cap	10,090	12ea	110,030
J1.TAB011.500	, 500㎖ , with Standard Cap	12,720	12ea	138,650
J1.TAB012.500	, with Vented Cap	13,140	12ea	143,200
J1.TAB011.000	, 1000㎖, with Standard Cap	15,470	24ea	337,190
J1.TAB012.000	, with Vented Cap	16,340	24ea	356,250



※ More Baffled Shaking Erlenmeyer Flasks
⇒ See the "Flasks, Erlenmeyer-glass" Section !





Optional Φ38mm Metal or PP Caps

DURAN® Premium Φ38mm Neck Erlenmeyer Culture Flask, 100~2,000㎖

Boro-glass 3.3, with Standard Necks for 38mm Metal- or PP-caps, **삼각 컬처 플라스크**

- ***Supplied by DURAN® in Germany.*** ∗ DURAN® Borosilicate Glass 3.3.

∗ Φ38mm Metal- or PP-caps can be Purchased Separately.

〈L1〉

		Ea. Price, ₩	Pk.	Price, ₩
DU.2177124	Flask, Culture, Erlen, 100㎖ , Φ64×h114mm	26,940	10ea	261,150
DU.2177132	, 200㎖ , Φ79×h138mm	27,840	10ea	269,900
DU.2177136	, 250㎖ , Φ85×h149mm	28,540	10ea	276,720
DU.2177139	, 300㎖ , Φ87×h161mm	12,220	10ea	118,420
DU.2177144	, 500㎖ , Φ105×h183mm	15,880	10ea	153,780
DU.2177154	, 1,000㎖, Φ131×h232mm	36,570	10ea	354,580
DU.2177163	, 2,000㎖, Φ166×h305mm	51,750	10ea	501,840

Optional Φ38mm Metal or PP Caps for Straight Neck

		Ea. Price, ₩	Pk.	Price, ₩
WI.0175514	(1) Aluminium cap, Φ38mm	13,450	10ea	130,450
Py.4540.38P	(2) PP Culture cap, Φ38mm	8,790	10ea	85,140

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



(1) 450㎖



(2) 1,800㎖



(3) Φ38mm Neck, 1,800㎖

DURAN® Fernbach-type Culture Flask, Large Surface-Area-to-Volume Ratio, 450㎖ & 1,800㎖
Made of Boro-glass 3.3, Standard Necks for 38mm Metal-caps, Fernbach **컬처 플라스크**

■ ***Supplied by DURAN® in Germany.*** ■ ***Ideal for Growth of Organisms requiring a Large Surface-Area-to-Volume Ratio.***
■ ***For Use in the Canvesior of Comercial Dextrose to Glucomic Acid through Mold Metabolism. Also for the Growth of Large Colonies of Becteria and Other Cultures, and production of Serums.*** ■ ***Large Surface Culture Area.***
∗ 2 Neck size of 1800 ml Flasks - (2) Φ45mm wide-Neck with beaded rim : Suitable for use with Normal Culture Stoppers, (3) Φ38mm Straight-Neck : Suitable for use with Φ38mm Metal-Caps

〈L1〉

(1) 450㎖ Bulb-shape Fernbach Flask

		Ea. Price, ₩	Pk.	Price, ₩
DU.2150143	Flask, 450㎖, Φ29mm Neck, Φ12×h10cm Flask	58,000	10ea	562,500

(2) 1800㎖ Flask with Φ45mm Wide-Neck(Standard) Fernbach Flask
: Suitable for use with Normal Culture stoppers

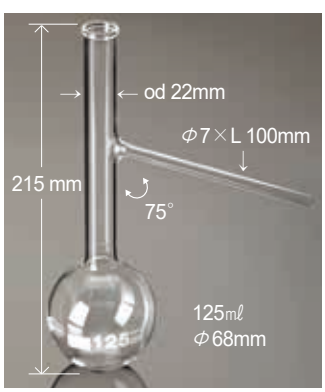
		Ea. Price, ₩	Pk.	Price, ₩
DU.2151162	Flask, 1,800㎖, Φ45mm Neck, Φ20×h16cm	86,230	2ea	167,280

(3) 1800㎖ Flask with Φ38mm Stright-Neck Fernbach Flask
: Suitable for use with Φ38mm Metal-Caps

		Ea. Price, ₩	Pk.	Price, ₩
DU.2177462	Flask, 1,800㎖, Φ38mm Neck, Φ20×h17cm	129,640	2ea	251,480

Option ; Φ38mm Metal-Caps, for All 38mm Straight-Neck Flasks / Bottles

		Ea. Price, ₩	Pk.	Price, ₩
WI.0175514	Aluminium cap, Φ38mm	13,450	10ea	130,450



125㎖ ASTM Distilling Flask, Φ68×h 215mm, with 75° Angle Side Arm
Made of Borosilicate Glass 3.3, ASTM E 133, 125㎖ ASTM **증류 플라스크**

■ ***Made of Borosilicate Glass α 3.3***
■ ***As per ASTM E 133 Standard.***
∗ 125ml / Φ68mm Flask, Overall Height 215mm
∗ 75° Angle Side Arm Φ7×L 100mm, and od 22mm Main Stem
∗ Thermometer Immersion : 76mm

〈L1〉

		Ea. Price, ₩	Pk.	Price, ₩
GL.073.205.01	Flask, ASTM, Distilling, 125㎖, Φ68×h 215mm	24,580	2ea	47,650

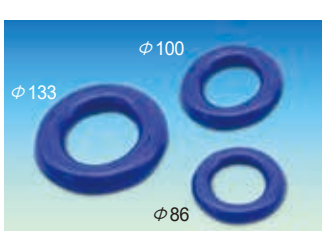


SciLab® 50~1,000㎖ ASTM Joint Distilling Flask, 조인트부 증류 플라스크

■ ***Supplied by SciLab Korea***
■ ***Custom-Made Available / 규격외 Items 자유롭게 주문하세요!***

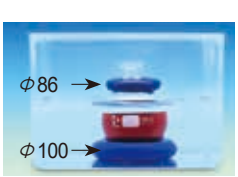
〈L1〉

		Ea. Price ₩
SL.Fla2050	Flask, ASTM, Distilling, 50㎖ , Φ51×h150mm , Joint-24/40	26,500
SL.Fla2051	, 100㎖ , Φ64×h150mm , -24/40	24,630
SL.Fla2052	, 250㎖ , Φ85×h200mm , -24/40	27,440
SL.Fla2053	, 500㎖ , Φ105×h250mm, -24/40	30,430
SL.Fla2054	, 1,000㎖, Φ131×h300mm, -24/40	34,770



Flask Diver Ring, Diver/Sinker, 0.3 · 0.5 · 1.1kg
Made of PVC Coated Steel, id.Φ48 · 56 · 70mm, **플라스크 다이버(침적) 링**

■ ***Supplied by SciLab Korea***
■ ***PVC Coated Steel.***
∗ For Stable Immersion of Glassware and Plasticware like Flask in Water Bath

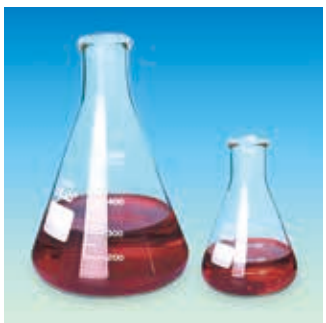


〈L1〉

		Ea. Price ₩
SL.Sup7001	Flask Diver Ring, od.Φ86 / id.48mm , 0.3kg	19,490
SL.Sup7002	, od.Φ100 / id.56mm, 0.5kg	22,050
SL.Sup7003	, od.Φ133 / id.70mm, 1.1kg	33,820

Articles	Cat. No	Description

SciLab® 50~5,000㎖ Standard Erlenmeyer Flask, Narrow-neck, with Graduation & Reinforced Rim
Temperature & Chemical Resistance, Made of Borosilicate-glass 3.3, Autoclavable, **삼각 플라스크**



■ ***Supplied by SciLab Korea***

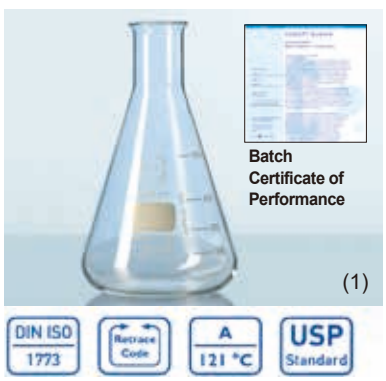
∗ Excellent Resistance Against High Temperature & Chemicals

∗ Suitable for Boiling, Mixing, Culture and General Purpose

〈L1〉

			Ea.	Price, ₩	Pk.	Price, ₩
SL.Fla1052	Flask, Erlen., Normal, 50 / 10㎖	, Φ51×h90mm , neck Φ22mm		1,500	12ea	17,460
SL.Fla1053	, 100 / 20㎖	, Φ64×h105mm , neck Φ22mm		1,650	12ea	19,210
SL.Fla1055	, 250 / 50㎖	, Φ85×h145mm , neck Φ34mm		2,220	8ea	17,230
SL.Fla1056	, 300 / 50㎖	, Φ87×h160mm , neck Φ34mm		2,290	8ea	17,780
SL.Fla1057	, 500 / 100㎖	, Φ105×h180mm, neck Φ34mm		3,520	8ea	27,270
SL.Fla1058	, 1,000 / 200㎖	, Φ131×h220mm, neck Φ42mm		5,890	6ea	34,280
SL.Fla1059	, 2,000 / 200㎖	, Φ166×h280mm, neck Φ50mm	*New*	13,180	12ea	153,420
SL.Fla1060	, 3,000 / 500㎖	, Φ187×h310mm, neck Φ50mm	*New*	17,100	8ea	132,700
SL.Fla1061	, 5,000 / 1,000㎖	, Φ220×h365mm, neck Φ50mm	*New*	23,330	4ea	90,530

DURAN® Premium Batch-certificated Standard Erlenmeyer Flask, Narrow-neck & Wide-neck, 25~5,000㎖
With Graduation, Boro-glass 3.3, DIN · ISO · UPS, <Germany-Made> **프리미엄 표준형 삼각 플라스크**







∗ Use : Boiling, Mixing, Culture and General Purpose

(1) With Narrow-Neck

∗ 25㎖ : without Retrace Code

〈L1〉

			Ea. Price,₩	Pk.	Price, ₩
DU.2121614	Flask, Erlen., 25 / 15㎖	, od 42×h70 mm , neck Φ22	5,130	10ea	49,590
DU.2121617	, 50 / 10㎖	, od 51×h85 mm , neck Φ22	5,290	10ea	51,120
DU.2121624	, 100 / 25㎖	, od 64×h105 mm , neck Φ22	5,320	10ea	51,400
DU.2121628	, 125 / 25㎖	, od 67×h112 mm , neck Φ22	6,280	10ea	60,840
DU.2121632	, 200 / 50㎖	, od 79×h131 mm , neck Φ34	5,290	10ea	51,120
DU.2121636	, 250 / 50㎖	, od 85×h140 mm , neck Φ34	5,290	10ea	51,120
DU.2121639	, 300 / 50㎖	, od 87×h156 mm , neck Φ34	5,880	10ea	56,890
DU.2121644	, 500 / 100㎖	, od105×h177 mm, neck Φ34	6,730	10ea	65,090
DU.2121653	, 800 / 200㎖	, od120×h200 mm, neck Φ42	8,350	10ea	80,920
DU.2121654	, 1,000 / 200㎖	, od131×h220 mm, neck Φ42	10,430	10ea	100,980
DU.2121663	, 2,000 / 200㎖	, od166×h280 mm, neck Φ50	18,520	10ea	179,440
DU.2121668	, 3,000 / 500㎖	, od187×h310 mm, neck Φ50	35,590	2ea	69,050
DU.2121673	, 5,000 / 500㎖	, od220×h365 mm, neck Φ50	67,100		

(2) With Wide-Neck

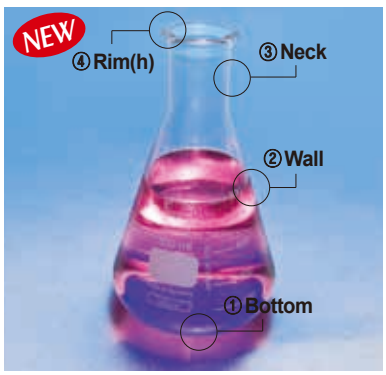
			Ea. Price,₩	Pk.	Price, ₩
DU.2122624	Flask, Erlen., W-N, 100 / 25㎖	, od64×h105 mm , neck Φ34	5,400	10ea	52,330
DU.2122636	, 250 / 50㎖	, od85×h140 mm , neck Φ50	5,940	10ea	57,490
DU.2122639	, 300 / 50㎖	, od87×h156 mm , neck Φ50	6,190	10ea	59,930
DU.2122644	, 500 / 100㎖	, od105×h175 mm, neck Φ50	6,730	10ea	65,090
DU.2122654	, 1,000 / 200㎖	, od131×h220 mm, neck Φ50	11,030	10ea	106,770
DU.2122663	, 2,000 / 200㎖	, od153×h276 mm, neck Φ72	19,170	10ea	185,840

※ Optional Silicone Lids : See the Next Page !

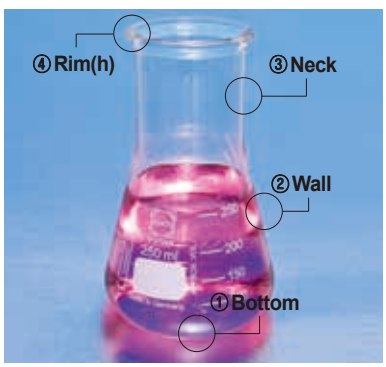
※ The Price(VAT is extra) for Korean End-user, and Changeable.

DURAN® Premium Batch-certificated Super-Duty Erlenmeyer Flask, with Reinforced Rim, 25~5,000㎖
Ideal for Impact Resist., Boro-glass 3.3, DIN · ISO · UPS, <Germany-Made> 프리미엄 슈퍼듀티 삼각 플라스크

※ New Product Logo!
Same Trusted Quality!



(1) Narrow-neck Super-duty Erlenmeyer Flask, with Reinforced Rim



(2) Wide-neck Super-duty Erlenmeyer Flask, with Reinforced Rim

■ ***with a Retrace-code*** ∗ Autoclavable / Sterilizable, with Graduation.
∗ The Strengthened Rim provides additional impact resistance and considerably reduces the risk of Breakage ∗ Approx. 25% Heavier than DURAN® Standard Erlenmeyer Flasks
∗ Uniform Wall thickness Distribution ∗ Glass type 1, Neutral Glass as per USP/EP and JP
∗ to avoid Thermal Stressing of the Glass, Uniform and slow Heating is Recommended
∗ Applications : High Mechanical Stability is required, frequent Cleaning, Low Thermal Stress

Thickness and Ave. Weight Data for Super Duty Erlenmeyer Flask

Volume(㎖)	Ave. Weight(g)	Thickness(mm)			
		① Bottom	② Wall	③ Neck	④ Rim(h)
100 ㎖	71 g	3.0 mm	1.6 mm	1.8 mm	8.0 mm
250 ㎖	140 g	3.2 mm	1.7 mm	2.0 mm	8.0 mm
500 ㎖	197 g	3.4 mm	1.7 mm	2.0 mm	9.5 mm
1,000 ㎖	342 g	3.8 mm	2.0 mm	2.3 mm	10.5 mm
2,000 ㎖	650 g	4.2 mm	2.3 mm	2.5 mm	12.0 mm
5,000 ㎖	1,175 g	4.5 mm	2.5 mm	2.5 mm	12.0 mm

(1) Narrow-neck Super Duty, 25~5,000㎖

〈L1〉

			Ea. Price,₩	Pk.	Price, ₩
DU.2121714	Flask, Super Erlen., 25㎖	, od.42×h75 mm , Neck Φ22	18,440	10ea	178,750
DU.2121717	, 50㎖	, od.51×h90 mm , Φ22	22,170	10ea	214,770
DU.2121724	, 100 / 25㎖	, od.64×h105 mm , Φ22	6,980	10ea	67,480
DU.2121736	, 250 / 50㎖	, od.85×h145 mm , Φ34	10,080	10ea	97,650
DU.2121744	, 500 / 100㎖	, od.105×h180 mm, Φ34	15,900	10ea	154,100
DU.2121754	, 1,000 / 200㎖	, od.131×h220 mm, Φ42	33,720	10ea	327,000
DU.2121763	, 2,000 / 200㎖	, od.166×h280 mm, Φ50	50,650	10ea	491,140
DU.2121773	, 5,000 / 500㎖	, od.220×h365 mm, Φ52	183,580		

(2) Wide-neck Super Duty, 100~1,000㎖

			Ea. Price,₩	Pk.	Price, ₩
DU.2122724	Flask, Super Erlen., 100 / 25㎖	, od.64×h105 mm , Neck Φ34	9,890	10ea	95,840
DU.2122736	, 250 / 50㎖	, od.85×h140 mm , Φ50	13,200	10ea	127,890
DU.2122744	, 500 / 100㎖	, od.105×h175 mm, Φ50	21,020	10ea	203,700
DU.2122754	, 1,000 / 200㎖	, od.131×h220 mm, Φ50	39,280	10ea	380,870



DURAN® Multi-use Silicone Lid, 2 Colors for Identification, S · M · L · XL-size, Autoclavable
Ideal for Sealing & Covering Beakers, Cylinders, Flasks &c., −40℃+180℃, 범용 실리콘 커버

■ ***Supplied by DURAN® in Germany*** ■ ***Dish washer Resistant***
■ ***Excellent Stretchability*** ■ ***Reusable***
■ ***다양한 사이즈의 비커, 실린더, 플라스크 등의 용기류에 내용물을 편리하고, 안전하고, 위생적으로 보관하기 위한 범용 실리콘 커버***
∗ Please Note that Prolonged Exposure to a Solvent will Cause Swelling of the Material.
∗ XL Size is not included in Set(DU.29110001 & DU.29110002)

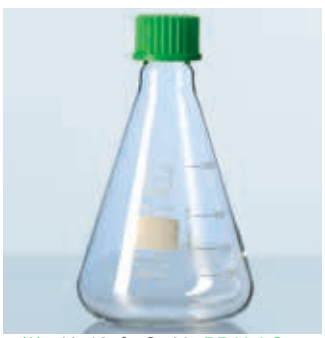
〈L1〉

Size	Opening Diameter (mm)	Suitable for Beaker	Pink		Blue	
			Cat. No.	Ea. Price, ₩	Cat. No.	Ea. Price, ₩
S	Φ43~61mm	50~100㎖	DU.29110111	4,890	DU.29110112	4,890
M	Φ64~76mm	150~250㎖	DU.29110211	6,420	DU.29110212	6,420
L	Φ84~116mm	400~600㎖	DU.29110311	8,050	DU.29110312	8,050
XL	Φ102~116mm	800~1000㎖	DU.29110411 NEW	11,530	DU.29110412 NEW	11,530
Set (S / M / L)			DU.29110001	17,220	DU.29110002	17,220

Articles	Cat. No	Description



(1) with 180℃ Stable PBT Cap


(2) with 125℃ Stable PP Uni-Cap

SciLab® DIN GL Screwcapped Glass Erlenmeyer Flask, 50~5,000㎖

Ideal for Storage, Media and Cultivation, Boro Glass 3.3, GL-25 · 32 · 45, Autoclavable, **스크류캡 삼각플라스크**

- ***Supplied by SciLab Korea*** ■ ***Graduated Flask***
- ***Acceptable 4-GLCaps ; (Ⅰ) PBT Cap, (Ⅱ) Uni-PP Cap, (Ⅲ) Piercing Cap, (Ⅳ) Membrane Cap***
  (Ⅰ) DURAN® Hi-Temp Red PBT(180℃ Stable) DIN GL Screwcap with 3mm-thick Sealing Septa of 0.3mm PTFE & 2.7mm Silicone. (Ⅱ) Uni-Green PP(125/140℃ Stable) DIN GL Screwcap with 3mm-thick Sealing Septa of 0.3mm PTFE & 2.7mm Butylrubber. (Ⅲ) Piercing Opentop Cap & Septa. (Ⅳ) DURAN® PP Membrane cap with Welded-In PTFE 0.2㎛ Filter.
- ***The DIN GL Screwcaps : Universal Fit-for All DIN GL-25 · 32 · 45 Screw Necks of Bottle · Flask · Tube***

※ **When Autoclaving, Loosen-Off the Cap!**

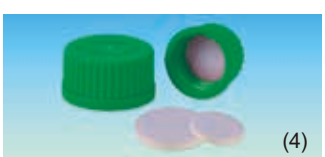
〈L1〉

Flask Size \ Model & Price	(1) DURAN® Brand High-temp Red PBT Cap, 180℃ Stable		(2) SciLab® Brand Uni-Green PP Cap, 125/140℃ Stable	
	Cat. No.	Ea. Price, ₩	Cat. No.	Ea. Price, ₩
Cap GL25, 50㎖ , Φ51×h 94mm	**SL.Fla2040C**	20,770	**SL.Fla2049A**	16,280
, 100㎖, Φ64×h109mm	**SL.Fla2041C**	21,920	**SL.Fla2049B**	18,570
Cap GL32, 250㎖ , Φ85×h 145mm	**SL.Fla2042C**	30,590	**SL.Fla2049C**	25,290
, 300㎖ , Φ87×h 156mm	**SL.Fla2043C**	33,120	**SL.Fla2049D**	27,830
, 500㎖ , Φ105×h 182mm	**SL.Fla2044C**	33,980	**SL.Fla2049E**	28,690
Cap GL45, 1,000㎖, Φ131×h 225mm	**SL.Fla2045C**	49,780	**SL.Fla2049F**	39,860
, 2,000㎖, Φ166×h 285mm	**SL.Fla2046C**	60,810	**SL.Fla2049G**	50,870
, 3,000㎖, Φ187×h 315mm	**SL.Fla2047C**	75,630	**SL.Fla2049H**	65,700
, 5,000㎖, Φ220×h 370mm	**SL.Fla2048C**	92,530	**SL.Fla2049I**	82,600


(3)

(3) Spare, High-Temp Red PBT GL Screwcap & PTFE/Sil-Septa, 180℃

		Pk.	Price, ₩
DU.2924013	Screwcap, PBT, with PTFE/Silicone Seal, GL25, Φ33×h23mm	10ea	56,450
DU.2924019	, GL32, Φ41×h25mm	10ea	76,250
DU.2924028	, GL45, Φ54×h28mm	10ea	105,440


(4)

(4) Spare, Green PP GL Screwcap & PTFE/Butyl-Septa, 125/140℃

		Pk.	Price, ₩
DH.Cap3103	Screwcap, PP, with PTFE/Butyl Seal, GL25, Φ30.0×h23mm	10ea	20,340
DH.Cap3104	, GL32, Φ37.6×h26mm	10ea	27,580
DH.Cap3105	, GL45, Φ51.5×h28mm	10ea	45,550



SciLab® Shaking Flask, Boro Glass 3.3, with 3- & 4-Baffles, 50~5,000㎖

Ideal for Orbital or Reciprocating-Shakers, **쉐이킹 플라스크, 기본 3 & 4 배플형**

〈L1〉

- ***Supplied by SciLab Korea***

		Ea.	Price, ₩
SL.Fla2011C	Flask, 3 Baffled, 50㎖ , od 51×h85mm , neck Φ22mm		12,750
SL.Fla2012C	, 100㎖ , od 64×h105mm , neck Φ22mm		12,770
SL.Fla2013C	, 250㎖ , od 85×h140mm , neck Φ34mm		13,310
SL.Fla2014C	, 500㎖ , od 105×h177mm, neck Φ34mm		16,720
SL.Fla2015C	, 4 Baffled, 1,000㎖, od 131×h220mm, neck Φ42mm		23,430
SL.Fla2016C	, 2,000㎖, od 166×h280mm, neck Φ50mm		38,980
SL.Fla2017C	, 3,000㎖, od 187×h310mm, neck Φ50mm		49,260
SL.Fla2018C	, 5,000㎖, od 220×h365mm, neck Φ50mm		77,480



SciLab® 3- & 4-Deep Baffled Shaking Flask, Boro Glass 3.3, 50~2,000㎖

With Beaded-neck for Culture plug, **딥 배플 쉐이킹 플라스크**

- ***Supplied by SciLab Korea***

〈L1〉

∗ For Converting Homogenous Tissue Samples into Cell Suspensions

		Ea.	Price, ₩
SL.Fla2021C	Flask, 3 Baffled, 50㎖ , od 51×h85mm , neck Φ22mm		17,270
SL.Fla2022C	, 100㎖ , od 64×h105mm , neck Φ22mm		17,300
SL.Fla2023C	, 250㎖ , od 85×h140mm , neck Φ34mm		20,100
SL.Fla2024C	, 500㎖ , od 105×h177mm, neck Φ34mm		23,500
SL.Fla2025C	, 4 Baffled, 1,000㎖, od 131×h220mm, neck Φ42mm		32,480
SL.Fla2026C	, 2,000㎖, od 166×h280mm, neck Φ50mm		45,770

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



(1) 180℃-stable Red PBT Capped


(2) 140℃-stable Green PP Capped

SciLab® "Leak-Proof" Screwcap Shaking Flask, with 3 & 4 Deep-Baffles, 50~2,000㎖

Boro Glass 3.3, with PTFE & Rubber Seal-Septa, **캡부 딥 배플 쉐이킹 플라스크, 내약품/내열용**

■ ***Excellent Septa 3mm-thick for Chemical Resistance to PTFE(t.0.3mm) with the Perfect Sealing of Butylrubber(t.2.7mm)***

∗ For Culture and Suitable for the Strong Solvent / Strong Corrosive Chemicals

※ **Note! When Autoclaving, Loosen Off the PP Screwcap!!**

〈L1〉

(1) SciLab® Brand With 180℃-stable DURAN® Red PBT Cap, DIN GL25~45

			Ea.	Price, ₩
SL.Fla2030C	Flask, 3 Baffled, GL25 Cap, 50㎖	, od 51×h94mm		35,470
SL.Fla2031C	, 100㎖	, od 64×h104mm		35,490
SL.Fla2032C	, GL32 Cap, 250㎖	, od 85×h145mm		44,170
SL.Fla2033C	, 500㎖	, od 105×h182mm		47,560
SL.Fla2034C	, 4 Baffled, GL45 Cap, 1,000㎖	, od 131×h225mm		76,940
SL.Fla2035C	, 2,000㎖	, od 166×h285mm		106,060

(2) SciLab® Brand With 125/140℃-stable *Wisd*™ PP Uni-Cap, DIN GL25~45

			Ea.	Price, ₩
SL.Fla2037A	Flask, 3 Baffled, GL25 Cap, 50㎖	, od 51×h94mm		29,860
SL.Fla2037B	, 100㎖	, od 64×h104mm		29,880
SL.Fla2037C	, GL32 Cap, 250㎖	, od 85×h145mm		36,610
SL.Fla2037D	, 500㎖	, od 105×h182mm		40,010
SL.Fla2037E	, 4 Baffled, GL45 Cap, 1,000㎖	, od 131×h225mm		67,010
SL.Fla2037F	, 2,000㎖	, od 166×h285mm		96,130



4-Baffle Shaking Flask, with GL45 Membrane Filtered Screwcap, Boro-glass 3.3, 250~2,000㎖

Ideal for Preparing Cell Culture, Autoclavable, **멤브레인 캡부 쉐이킹 플라스크**


Spare Membrane Screwcap

■ ***As per ASTM E 438 Type 1.*** ■ ***4-Bottom Baffles***

■ ***With GL45 PP Screwcap Welded on PTFE Membrane 0.22㎛ Filter***

∗ The Four Equidistant Baffles Provide Consistent Agitation When Used with Compatible Orbital Shakers

∗ Suitable for Repeated Autoclave Cycles at 121℃ ∗ Ideal for Preparing Cell Culture

※ **Note! When Autoclaving, Loosen Off the PP Screwcap!!**

〈L1〉

			Ea. Price, ₩	Pk.	Price, ₩
GL.075.212.04	Flasks, 4 Baffled, GL45 Membrane Cap, 250㎖	, Φ82×h130mm	17,440	2ea	33,830
GL.075.212.05	, 500㎖	, Φ101×h165mm	22,630	2ea	43,870
GL.075.212.06	, 1,000㎖,	Φ129×h205mm	40,350	2ea	78,270
GL.075.212.07	, 2,000㎖,	Φ166×h265mm		1ea	57,400

Spare Membrane Screwcap

			Ea. Price, ₩	Pk.	Price, ₩
GL.275.205.01M	Screwcap, Membrane, GL45, Φ54×h25mm *New*		3,120	10ea	30,200



SciLab® Joint Erlenmeyer Flask, with ASTM or DIN Joint, 50~1,000㎖

With Graduation, Boro-glass 3.3, **경제형 조인트 삼각 플라스크**

〈L1〉

■ ***Supplied by SciLab Korea***

Erlen Flask, ㎖, Φ×h	(1) With ASTM Joint 24/40 Cat. No.	Ea. Price, ₩	(2) With DIN Joint 24/29 Cat. No.	Ea. Price, ₩
50㎖, Φ 51×h 90mm	**SL.Fla2802**	5,420	**SL.Fla2812**	6,700
100㎖, Φ 64×h105mm	**SL.Fla2803**	7,420	**SL.Fla2813**	7,090
250㎖, Φ 85×h135mm	**SL.Fla2805**	8,700	**SL.Fla2815**	8,380
300㎖, Φ 89×h150mm	**SL.Fla2806**	9,670	**SL.Fla2816**	9,670
500㎖, Φ105×h170mm	**SL.Fla2807**	9,990	**SL.Fla2817**	9,670
1,000㎖, Φ131×h210mm	**SL.Fla2808**	13,540	**SL.Fla2818**	12,970



SciLab® 24/29 Joint Stoppered Erlenmeyer Flask, 100~1,000㎖

With Graduation & Interchangeable Glass Stopper, Boro-glass 3.3, Autoclavable, **조인트 스토퍼 삼각 플라스크**

■ ***Supplied by SciLab Korea*** ∗ With Joint 19/26 & 24/29 and Hollow Glass Stopper

∗ All of 24/29 Stoppers can be used these Flask, But 100㎖ Flask fit to 19/26 Stoppers.

∗ The Height Below is Excluding the Stopper.

〈L1〉

			Ea. Price, ₩	Pk.	Price, ₩
SL.Fla2615	Stoppered Erlen-Flask, DIN-19/26, 100㎖	, Φ60×h108mm	3,940	12ea	45,870
SL.Fla2616	, DIN-24/29, 250㎖	, Φ83×h140mm	4,890	8ea	37,950
SL.Fla2618	, 500㎖	, Φ98×h185mm	6,730	8ea	52,230
SL.Fla2619	, 1,000㎖,	Φ120×h230mm	10,390	6ea	60,470

Optional PP Stopper Square-knob, Autoclavable

∗ Germany-made ∗ 0℃~125℃ Stable


Optional PP Stopper Autoclavable

			Ea.	Price, ₩
VI.909.94	PP Stopper, Square-knob, DIN-19/26			1,790
VI.910.94	, DIN-24/29			2,080

Articles	Cat. No	Description



"witeg" Premium 24/40 Amber Erlenmeyer Flask, Good for UV Protection, 100~1,000㎖
With Graduation · Boro-glass 3.3, <Germany-Made> 갈색 조인트 삼각 플라스크

<L1>

∗ Ideal for Light Sensitive Materials ∗ Autoclavable

Cat. No		Ea. Price,₩	Pk.	Price, ₩
WI.0621100BR	Erlen. Flask, Amber, ASTM-24/40, 100 / 25㎖ , Φ64×h100mm	40,880	10ea	396,380
WI.0621250BR	, 250 / 50㎖ , Φ85×h140mm	42,770	10ea	414,770
WI.0621500BR	, 500 / 100㎖ , Φ105×h170mm	48,470	10ea	469,950
WI.0621001BR	, 1,000 / 100㎖, Φ131×h220mm	59,920	10ea	581,000



Amber Glass Erlenmeyer Flask, 24/29 Joint Neck & Graduation, 50~500㎖
With Interchangeable Stopper, Boro-glass 3.3, Autoclavable, 갈색 조인트 스토퍼 삼각플라스크, 자외선 차단

■ ***Ideal for Light-sensitive Substance*** ∗ The Amber Color is applied only to the external surface to Prevent Contamination.
∗ All of 24/29 Stoppers can be used these Flask, But 50㎖ Flask fit to 19/26 Stoppers.
∗ The Height Below is Excluding the Stopper.

<L1>

Cat. No		Pk.	Price, ₩
GL.076.502.01	Flask, Erlen., DIN-19/26, 50 / 10㎖ , Φ51 ×h90mm	2ea	29,490
GL.076.502.02	, DIN-24/29, 100 / 25㎖ , Φ64 ×h105mm	2ea	40,080
GL.076.502.03	, 250 / 50㎖ , Φ85 ×h145mm	2ea	51,300
GL.076.502.04	, 500 / 100㎖, Φ105×h180mm	2ea	63,620

Optional PP Stopper Square-knob, Autoclavable

∗ Germany-made ∗ 0℃~125℃ Stable



Optional PP Stopper Autoclavable

Cat. No		Ea.	Price, ₩
VI.909.94	PP Stopper, Square-knob, DIN-19/26		1,790
VI.910.94	-24/29		2,080

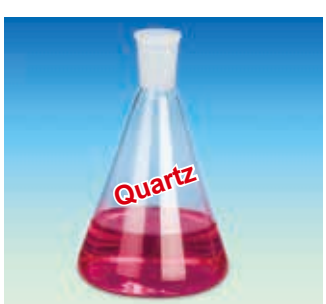


250 & 500㎖ Iodine Flask, with DIN 29/32 Handle Stopper, 요오드 플라스크

∗ Made of Borosilicate Glass 3.3
∗ Cup Shaped Type Flask.
∗ For Determination of Iodine

<L1>

Cat. No		Pk.	Price, ₩
GL.072.202.02	Iodine Flask, with 20㎖ Top Cup, DIN-29/32, 250㎖	2ea	38,780
GL.072.202.04	, 500㎖	2ea	45,200



ASTM 24/40 Quartz Erlenmeyer Flask, without Graduation, 100~1,000㎖
Max 1250℃ in use, Softening Point 1680℃, 석영 조인트 삼각 플라스크

■ ***Supplied by SciLab Korea*** ∗ Thermal Expansion Coefficient 5.5 10^{-7} k^{-1}
∗ High Transparent Quartz has Excellent Transmission, Especially Ultrared Zone and Visible Area, Compare with Ordinary Glass

<L2>

Cat. No		Ea.	Price, ₩
SL.Qu.FI023	Erlen. Flasks, Quartz, ASTM-24/40, 100㎖ , Φ64×h102mm		98,440
SL.Qu.FI024	, 250㎖ , Φ85×h135mm		144,380
SL.Qu.FI025	, 500㎖ , Φ108×h170mm		249,380
SL.Qu.FI026	, 1,000㎖, Φ135×h215mm		420,000



Kartell® PP Erlenmeyer Flask, with Mould Graduation & Joint Narrow-neck, 50~2,000㎖
Suitable for Foodstuff, DIN/ISO, <Italy-Made> PP 조인트 삼각 플라스크

∗ For General Laboratory use. Made of Good Chemical Resistant PP, 125/140℃
∗ Can be Use Ground Joint Stopper Plug, Autoclavable

<L1>

Cat. No		Ea. Price, ₩	Pk.	Price, ₩
KA.1460	Erlenmeyer Flask, PP, 14/23, 50 / 10㎖	4,340	20ea	83,990
KA.1461	, 14/23, 125 / 25㎖	5,630	20ea	108,890
KA.1462	, 19/26, 250 / 25㎖	6,490	15ea	94,330
KA.1463	, 24/29, 500 / 50㎖	10,420	8ea	80,690
KA.1464	, 29/32, 1,000 / 50㎖	17,880	8ea	138,630
KA.1465	, 34/35, 2,000 / 100㎖	25,440	4ea	98,650

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



VITLAB® PP Erlenmeyer Flask, with Wide-neck · GL45 Screwcap · Blue-scale, 75~1,000㎖
Suitable for Foodstuff, Transparent, <Germany-Made> PP 스크류캡 삼각 플라스크

■ ***고투명도, 내약품성이 우수한 플라스크, 다양한 용도로 사용 용이***
■ ***Highly Transparent, Wide Neck, Conical Flasks, Supplied Complete with PP Screwcaps***
∗ Made of Good Chemical Resistant PP, 125/140℃ ∗ Suitable for Microwaves
∗ To Preserve Markings, Cleaning at No higher than 60℃ is Recommended
∗ When Autoclaving, Always Slacken off the Screwcap
∗ Suitable for Contact with Foodstuffs According to Regulation (EU) No. 10/2011.
※ **Note! When Autoclaving, Loosen Off the PP Screwcap!!**

〈L1〉

		Ea. Price, ₩	Cs.	Price, ₩
VI.566.941	Erlenmeyer Flask, PP, GL45, Cap, 75 / 12.5㎖	6,990	6ea	40,550
VI.567.941	, 125 / 12.5㎖	7,870	6ea	45,720
VI.568.941	, 250 / 50㎖	11,170	6ea	64,940
VI.569.941	, 500 / 100㎖	12,920	6ea	75,080
VI.570.941	, 1,000 / 200㎖	17,640	4ea	68,400



VITLAB® PMP Erlenmeyer Flask, with Wide-neck · GL45 Screwcap · Red-scale, 75~1,000㎖
Ideal for Receiving Vessel in Titrations, Transparent, <Germany-Made> PMP 스크류캡 삼각 플라스크

■ ***세포 배양에 적합한 플라스크, 인큐베이터 쉐이커에서도 사용 용이, 우수한 투명/내열성/내약품성***
■ ***Well Suited for Storage and Cultivation of Cell Cultures*** ■ ***0℃~180℃ Stable, Autoclavable***
∗ Far Safer than Glass Flasks for Use in Incubator Shakers Due to the Break Resistance to Plastic
∗ Suitable for Microwaves ∗ High-Transparency
∗ To Preserve Markings, Cleaning at No higher than 60℃ is Recommended

〈L1〉

		Ea. Price, ₩	Pk.	Price, ₩
VI.566.95	Erlenmeyer Flask, PMP, GL45, Cap, 75 / 10㎖	8,620	6ea	50,070
VI.567.95	, 125 / 20㎖	10,100	6ea	58,740
VI.568.95	, 250 / 50㎖	17,120	6ea	99,480
VI.569.95	, 500 / 100㎖	19,430	6ea	112,930
VI.570.95	, 1,000 / 200㎖	28,730	4ea	111,420



PTFE Erlenmeyer Flask, with PTFE Stopper, Autoclavable, −200℃+260℃, 50~1,000㎖
Excellent Chemical · Corrosion · High-Temp Resistance, Normal-grade, PTFE 테프론 삼각 플라스크

〈L1〉

■ ***Supplied by SciLab Korea***

		Ea.	Price, ₩
SL.Fla4001	Erlenmeyer Flask, PTFE, 50㎖ , Φ52×h103mm , Neck id-27mm		68,980
SL.Fla4002	, 100㎖ , Φ60×h110mm , -27mm		76,830
SL.Fla4003	, 250㎖ , Φ75×h152mm , -37mm		116,800
SL.Fla4004	, 500㎖ , Φ106×h194mm, -37mm		215,550
SL.Fla4005	, 1,000㎖ , Φ136×h220mm, -37mm		387,980

, Filtering 여과 플라스크

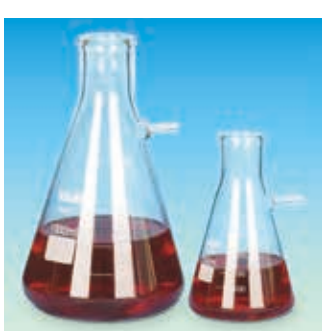


PP Filter Flask, with Side-arm, for id Φ7~9mm Flexible Hose, 500~1500㎖
Autoclavable, Prevent Tipping with 45° angle, −10℃+125/140℃, PP 여과 플라스크, 일체형

■ ***7~9mm 호스를 연결하기 위한 가지가 달린 플라스크***
∗ Side Arm Size 8mm : for Tube id Φ7~9mm Flexible Hose.

〈L2〉

		Ea.	Price, ₩
SL.Fla3091	Filter Flask, 500㎖ , Φ110×h200, Side Arm Size 8mm, Neck id 32.5mm		43,320
SL.Fla3092	, 1000㎖, Φ130×h210, , Neck id 36.3mm		53,790
SL.Fla3093	, 1500㎖, Φ160×h290, , Neck id 46.7mm		68,720



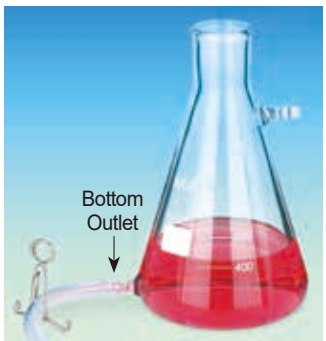
SciLab® Graduated Filter Flask, with Glass Side-arm, Boro-glass 3.3, 125~10,000㎖
With Heavy Wall & Beaded Rim, Good for Medium Vacuum, 눈금 여과 플라스크, 중진공용

〈L1〉

■ ***Supplied by SciLab Korea*** ∗ Side Arm : for id Φ8-10mm Flexible Hose.

		Ea. Price,₩	Pk.	Price, ₩
SL.Fla1111	Filter Flask, 125 / 25㎖ , Φ71×120 , Neck id-29mm	10,150	12ea	117,990
SL.Fla1112	250 / 50㎖ , Φ85×160 , -29mm	12,690	8ea	98,320
SL.Fla1113	500 / 100㎖ , Φ105×210, -29mm	17,750	8ea	137,640
SL.Fla1114	1,000 / 200㎖ , Φ130×245, -34mm	25,350	6ea	147,470
SL.Fla1115	2,500 / 500㎖ , Φ195×290, -40mm		1ea	57,020
SL.Fla1116	5,000 / 500㎖ , Φ220×370, -52mm		1ea	73,790
SL.Fla1117	10,000 / 1,000㎖, Φ229×450, -66mm		1ea	140,850

Articles	Cat. No	Description



SciLab® Bottom Outlet-type Filtering Flask, Fit to id 8-10mm Flex-Tubing, 125~10,000㎖

Good for Medium Vacuum, Heavy Walls, Studded Base, **중진공 여과 플라스크, 하부 배출형**

■ ***Supplied by SciLab Korea***

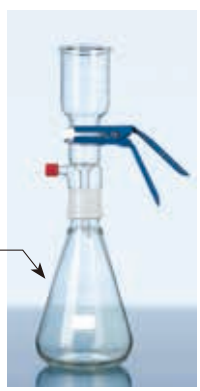
∗ Easy Draining Liquid Through the Bottom Outlet Tube without Flask Moving

〈L1〉

				Ea.	Price, ₩
SL.Fla2410	Filter Flask, Outlet-type, 125 / 25㎖	, Φ71×120	, Neck id-29mm		21,590
SL.Fla2411	, 250 / 50㎖	, Φ85×160	, -29mm		26,400
SL.Fla2412	, 500 / 100㎖	, Φ105×210	, -29mm		36,020
SL.Fla2413	, 1,000 / 200㎖	, Φ130×245	, -34mm		50,480
SL.Fla2414	, 2,500 / 500㎖	, Φ195×290	, -40mm		102,950
SL.Fla2416	, 5,000 / 500㎖	, Φ220×370	, -52mm		138,020
SL.Fla2417	, 10,000 / 1,000㎖	, Φ229×450	, -66mm *New*		247,370



Filtering Apparatus Flask



<Ex.> Figure ; Apparatus Set

SciLab® Premium 40/38 or 45/40 Joint Cone Filter Flask, 1 & 2 Lit

Made of DURAN-glass, for Filtering Apparatus, **조인트 플라스크**

■ ***Joining Original DURAN® Filtering Flasks and Heavy-duty Erlen Flask : by SciLab Korea***

∗ 40/38 Flask ; ideal for TJV & Wheaton® Appa. ∗ 45/40 Flask ; ideal for DURAN® Appa.

〈L1〉

(1) for Low Vacuum-use, Made of DURAN® Heavy-duty Erlen Flask

			Ea.	Price, ₩
SL.Fla2090	40/38 Joint Filter Flask, 1,000㎖, Φ131mm			86,470
SL.Fla2091	, 2,000㎖, Φ166mm			117,030
SL.Fla2092	45/40 Joint Filter Flask, 1,000㎖, Φ131mm			85,800
SL.Fla2093	, 2,000㎖, Φ166mm			116,370

(2) for High Vacuum-use, Made of DURAN® Filtering Flask

			Ea.	Price, ₩
SL.Fla2096	40/38 Joint Filter Flask, 1,000㎖, Φ131mm			131,990
SL.Fla2097	, 2,000㎖, Φ166mm			252,990
SL.Fla2098	45/40 Joint Filter Flask, 1,000㎖, Φ131mm			131,330
SL.Fla2099	, 2,000㎖, Φ166mm			252,330



SciLab® ASTM 24/40 or DIN 24/29 Graduated Filter Flask, 100~10,000㎖

For Medium Vacuum, Boro-glass 3.3, **조인트 여과 플라스크, 중진공용**

■ ***Supplied by SciLab Korea***

〈L1〉

	(1) With ASTM 24/40		(2) With DIN 24/29	
Filter Flask, ㎖, Φ×h	**Cat. No.**	**Ea. Price, ₩**	**Cat. No.**	**Ea. Price, ₩**
100 / 10㎖, Φ64×h105mm	**SL.Fla2871**	8,830	-	-
250 / 25㎖, Φ85×h135mm	**SL.Fla2873**	16,280	**SL.Fla2883**	12,480
500 / 50㎖, Φ105×h170mm	**SL.Fla2875**	21,030	**SL.Fla2885**	16,280
1,000 / 50㎖, Φ131×h210mm	**SL.Fla2876**	26,450	**SL.Fla2886**	20,620
2,500 / 100㎖, Φ187×h300mm	**SL.Fla2877**	63,940	**SL.Fla2887**	60,720
5,000 / 500㎖, Φ220×h370mm	**SL.Fla2878**	87,190	**SL.Fla2888**	83,950
10,000 / 1,000㎖, Φ229×h450mm	**SL.Fla2879**	151,770	**SL.Fla2889**	148,530



SciLab® Bottom Outlet-type Filtering Flask, with 24/40 & 24/29 Joint, 125~10,000㎖

For Medium Vacuum, with Side Arm for id Φ8/9mm Flex-Tubing, **중진공 조인트 여과 플라스크**

■ ***Supplied by SciLab Korea***

∗ Easy Draining Liquid Through the Bottom Outlet Tube without Flask Moving

〈L1〉

	(1) With ASTM 24/40		(2) With DIN 24/29	
Filter Flask, ㎖, Φ × h, Neck id	**Cat. No.**	**Ea. Price, ₩**	**Cat. No.**	**Ea. Price, ₩**
125㎖, Φ71×h130mm , Neck id-29mm	**SL.Fla2451**	31,800	**SL.Fla2461**	31,920
250㎖, Φ85×h170mm , Neck id-29mm	**SL.Fla2452**	34,420	**SL.Fla2462**	34,420
500㎖, Φ105×h220mm, Neck id-29mm	**SL.Fla2453**	44,040	**SL.Fla2463**	44,150
1,000㎖, Φ135×h255mm, Neck id-34mm	**SL.Fla2454**	62,890	**SL.Fla2464**	63,000
2,500㎖, Φ195×h300mm, Neck id-40mm	**SL.Fla2455**	106,570	**SL.Fla2465**	106,680
5,000㎖, Φ220×h380mm, Neck id-52mm	**SL.Fla2456**	141,630	**SL.Fla2466**	141,740
10,000㎖, Φ229×h460mm, Neck id-66mm	**SL.Fla2457**	250,980	**SL.Fla2467**	251,090

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



PE Stoppered



Glass Stoppered

SciLab® A-Class Volumetric Flask, Clear & Amber-Glass, with Batch Certificate, 5~5,000㎖
Boro Glass 3.3, With White Scale and PE & Glass Stopper, A급 메스/용량 플라스크

■ Supplied by SciLab Korea ■ Boro 3.3 ■ with Batch Certificate (배치성적서 포함)
■ 특정한 부피의 액체를 정확하게 측정하고 저장하는 정량적인 분석의 실험에 적합

∗ Calibration Mark Indicates the Exact Volume the Flask can Hold, allowing Precise Volume Measurements.
∗ High Chemical & Thermal Resistance, Durability
∗ PE & Glass Stopper : to Prevent Evaporation of the Liquid and Contamination.

(1), (2) A-Class Clear & Amber Glass, PE Stoppered, White Scale

<L1>

	(1) Clear, PE Stopper				(2) Amber, PE Stopper			
Volume, Accu., Neck	Cat. No.	Ea.Price,₩	Pk.	Price, ₩	Cat. No.	Ea.Price,₩	Pk.	Price, ₩
5㎖ ,±0.025㎖, 10/19	**SL.Fla1301**	6,820	10ea	66,160	**SL.Fla1321**	10,100	10ea	97,970
10㎖ ,±0.025㎖, 10/19	**SL.Fla1302**	7,580	10ea	73,530	**SL.Fla1322**	10,100	10ea	97,970
25㎖ ,±0.04㎖ , 10/19	**SL.Fla1303**	-	2ea	15,680	**SL.Fla1323**	-	2ea	24,510
50㎖ ,±0.06㎖ , 12/21	**SL.Fla1304**	-	2ea	18,710	**SL.Fla1324**	-	2ea	24,510
100㎖ ,±0.1㎖ , 12/21	**SL.Fla1305**	-	2ea	20,900	**SL.Fla1325**	-	2ea	26,950
200㎖ ,±0.15㎖ , 14/23	**SL.Fla1306**	-	2ea	27,460	**SL.Fla1326**	-	2ea	44,100
250㎖ ,±0.15㎖ , 14/23	**SL.Fla1307**	-	2ea	28,660	**SL.Fla1327**	-	2ea	48,990
500㎖ ,±0.25㎖ , 19/26	**SL.Fla1308**	-	2ea	36,650	**SL.Fla1328**	-	2ea	80,810
1,000㎖ ,±0.40㎖ , 24/29	**SL.Fla1309**	-	2ea	59,950	**SL.Fla1329**	-	2ea	77,160
2,000㎖ ,±0.60㎖ , 24/29	**SL.Fla1310**	-	1ea	49,850	**SL.Fla1330**	-	1ea	83,300
5,000㎖ ,±1.2㎖ , 34/35	**SL.Fla1311**	-	1ea	239,790	**SL.Fla1331**	-	1ea	290,270

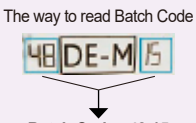
(3), (4) A-Class Clear & Amber Glass, Glass Stoppered, White Scale

	(3) Clear, Glass Stopper				(4) Amber, Glass Stopper			
Volume, Accu., Neck	Cat. No.	Ea.Price,₩	Pk.	Price, ₩	Cat. No.	Ea.Price,₩	Pk.	Price, ₩
5㎖ ,±0.025㎖, 10/19	**SL.Fla1341**	8,840	10ea	85,750	**SL.Fla1361**	10,740	10ea	104,180
10㎖ ,±0.025㎖, 10/19	**SL.Fla1342**	8,840	10ea	85,750	**SL.Fla1362**	10,740	10ea	104,180
25㎖ ,±0.04㎖ , 10/19	**SL.Fla1343**	-	2ea	20,840	**SL.Fla1363**	-	2ea	26,950
50㎖ ,±0.06㎖ , 12/21	**SL.Fla1344**	-	2ea	20,840	**SL.Fla1364**	-	2ea	26,950
100㎖ ,±0.1㎖ , 12/21	**SL.Fla1345**	-	2ea	23,280	**SL.Fla1365**	-	2ea	29,400
200㎖ ,±0.15㎖ , 14/23	**SL.Fla1346**	-	2ea	35,510	**SL.Fla1366**	-	2ea	46,550
250㎖ ,±0.15㎖ , 14/23	**SL.Fla1347**	-	2ea	41,660	**SL.Fla1367**	-	2ea	52,660
500㎖ ,±0.25㎖ , 19/26	**SL.Fla1348**	-	2ea	56,340	**SL.Fla1368**	-	2ea	84,490
1,000㎖ ,±0.40㎖ , 24/29	**SL.Fla1349**	-	2ea	66,120	**SL.Fla1369**	-	2ea	88,160
2,000㎖ ,±0.60㎖ , 24/29	**SL.Fla1350**	-	1ea	50,880	**SL.Fla1370**	-	1ea	85,190
5,000㎖ ,±1.2㎖ , 34/35	**SL.Fla1351**	-	1ea	164,220	**SL.Fla1371**	-	1ea	293,420

Articles	Cat. No	Description

"witeg" Batch Certificate - Easy, Compliant and Available at Anytime

- Can Download the Certificate from 'http://www.witeg.de/en/certificate-center/' with Bath Code On the Surface of the Product.
- Fill in the Batch Code and Click your Product type : Pipette, Flask, Cylinder, Burette
- Contains Production Date, Batch Code and Results of Testing




Batch Certificate







"witeg" Premium A-class Batch Certificated Volumetric Flask, Clear & Amber-glass, 5~5,000㎖

Amber & Blue Graduation in Clear Glass, DIN/ISO, DE-M, <Germany-Made> A급 보증서부 용량 플라스크

■ ***Made of DURAN® Boro-glass 3.3*** ■ ***DE-M marked(German Calibration Law)*** ∗ Joint Socket ; 7/16 ~ 34/35

(1), (2) A-class Clear Glass - Amber Scale & Blue Scale, PE Stoppered

〈L1〉

	(1) Amber Scaled			(2) Blue Scaled		
Volume, Accu., Neck	Cat. No.	Ea.Price,₩	Pk. Price, ₩	Cat. No.	Ea.Price,₩	Pk. Price, ₩
5㎖ ,±0.025㎖, 7/16	**WI.3664000**	16,700	10ea 161,900	**WI.3664000BL**	16,700	10ea 161,900
10㎖ ,±0.025㎖, 7/16	**WI.3664001**	14,740	10ea 142,850	**WI.3664001BL**	14,230	10ea 137,820
20㎖ ,±0.040㎖, 10/19	**WI.3664002**	13,190	10ea 127,790	**WI.3664002BL**	13,450	10ea 130,450
25㎖ ,±0.040㎖, 10/19	**WI.3664003**	15,350	10ea 148,840	**WI.3664003BL**	15,350	10ea 148,840
50㎖ ,±0.060㎖, 12/21	**WI.3664005**	15,640	10ea 151,530	**WI.3664005BL**	14,740	10ea 142,850
100㎖ ,±0.100㎖, 12/21	**WI.3664010**	17,040	10ea 165,240	**WI.3664010BL**	16,540	10ea 160,230
200㎖ ,±0.150㎖, 14/23	**WI.3664020**	26,940	10ea 261,240	**WI.3664020BL**	24,020	10ea 232,790
250㎖ ,±0.150㎖, 14/23	**WI.3664025**	25,250	10ea 244,840	**WI.3664025BL**	27,920	10ea 270,590
500㎖ ,±0.250㎖, 19/26	**WI.3664050**	38,490	10ea 373,280	**WI.3664050BL**	38,490	10ea 373,280
1,000㎖,±0.400㎖, 24/29	**WI.3664100**	46,700	10ea 452,900	**WI.3664100BL**	59,600	10ea 577,990
2,000㎖,±0.600㎖, 29/32	**WI.3664200**	90,430	10ea 877,000	**WI.3664200BL**	90,430	10ea 877,000
5,000㎖,±1.200㎖, 34/35	**WI.3664500**	-	1ea 230,600	-	-	-

(3) A-class Amber Glass - White Scale, Glass Stoppered

		Ea. Price, ₩	Pk. Price, ₩
WI.3670000	Vol. Flask, Amber, 5㎖ , accu. ±0.025㎖, Joint 7/16	42,920	10ea 416,100
WI.3670001	, 10㎖ , ±0.025㎖, Joint 7/16	42,920	10ea 416,100
WI.3670002	, 20㎖ , ±0.040㎖, Joint 10/19	26,940	10ea 261,240
WI.3670003	, 25㎖ , ±0.040㎖, Joint 10/19	26,940	10ea 261,240
WI.3670005	, 50㎖ , ±0.060㎖, Joint 12/21	35,880	10ea 347,880
WI.3670010	, 100㎖ , ±0.100㎖, Joint 12/21	30,840	10ea 299,030
WI.3670020	, 200㎖ , ±0.150㎖, Joint 14/23	40,980	10ea 397,350
WI.3670025	, 250㎖ , ±0.150㎖, Joint 14/23	63,090	10ea 611,780
WI.3670050	, 500㎖ , ±0.250㎖, Joint 19/26	56,130	10ea 544,200
WI.3670100	, 1,000㎖, ±0.400㎖, Joint 24/29	98,450	10ea 954,930
WI.3670200	, 2,000㎖, ±0.600㎖, Joint 29/32	178,920	10ea 1,735,380

(4) 1~10㎖ A-class Micro-type, Amber Scale, PE Stoppered

		Ea. Price, ₩	Pk. Price, ₩
WI.3669000	Vol. Flask, Micro, 1㎖ , accu. ±0.025㎖, Joint 7/16	21,050	10ea 204,050
WI.3669001	, 2㎖ , ±0.025㎖, Joint 7/16	21,050	10ea 204,050
WI.3669003	, 5㎖ , ±0.025㎖, Joint 7/16	22,190	10ea 215,080
WI.3669005	, 10㎖, ±0.025㎖, Joint 7/16	24,840	10ea 240,840

"witeg" Premium USP/ASTM Standard A-Class Volumetric Flask, with PE Stopper, Clear & Amber-glass, 10~1,000㎖

With Batch Certificate, Amber & White Graduation, DIN/ISO, DE-M, <Germany-Made> USP 표준 A급 보증서부 용량 플라스크



■ ***USP : United States Pharmacopeia Standard*** ■ ***Printed with Batch Code : Downloadable Batch Certificate***

■ ***Made of Boro-glass 3.3, ASTM E 288, ISO 1024*** ■ ***DE-M marked(German Calibration Law)***

∗ Joint Socket ; 10/19 ~ 24/29 ∗ Pack Q'ty : 10ea/Pk - Cardboard Box

〈L1〉

	(1) Clear-glass, Amber Scaled			(2) Amber-glass, White Scaled		
Volume, Accu., Neck	Cat. No.	Ea.Price,₩	Pk. Price, ₩	Cat. No.	Ea.Price,₩	Pk. Price, ₩
10㎖ ,±0.02㎖, 10/19	**WI.3664012USP**	17,950	10ea 173,940	**WI.3670012PUSP**	33,230	10ea 322,120
20㎖ ,±0.03㎖, 10/19	**WI.3664002USP**	17,950	10ea 173,940	**WI.3670002PUSP**	33,230	10ea 322,120
25㎖ ,±0.03㎖, 10/19	**WI.3664003USP**	17,950	10ea 173,940	**WI.3670003PUSP**	33,230	10ea 322,120
50㎖ ,±0.05㎖, 12/21	**WI.3664005USP**	19,430	10ea 188,320	**WI.3670005PUSP**	35,600	10ea 345,190
100㎖ ,±0.08㎖, 12/21	**WI.3664010USP**	19,920	10ea 193,000	**WI.3670010PUSP**	40,020	10ea 388,100
200㎖ ,±0.10㎖, 14/23	**WI.3664020USP**	31,470	10ea 305,070	**WI.3670020PUSP**	55,180	10ea 535,170
250㎖ ,±0.12㎖, 14/23	**WI.3664025USP**	32,540	10ea 315,430	**WI.3670025PUSP**	59,780	10ea 579,670
500㎖ ,±0.20㎖, 19/26	**WI.3664050USP**	45,880	10ea 444,890	**WI.3670050PUSP**	71,280	10ea 691,370
1,000㎖,±0.30㎖, 24/29	**WI.3664100USP**	69,570	10ea 674,650	**WI.3670100PUSP**	103,770	10ea 1,006,440

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Kartell® PMP B-Class Volumetric Flask, with GL-Screwcap & Stopper, DIN/ISO, 50~1,000㎖

With Individually Adjusted Ring-mark, 0℃~150℃ Stable, <Italy-Made> PMP **메스/용량 플라스크,** B-급



(1) (2)

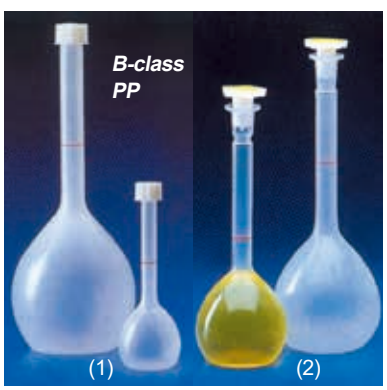
* Exposure to Temperatures up to 121℃(Autoclaving) will not cause permanent exceeding
* Flask : PMP(Polymethylpentene), 150℃ Stable
* Cap & Stopper : PP, 125/140℃ Stable
* Calibrated Gravimetrically at 20℃
* Thick Walls Eliminate Distortion
* Thin Necks Make Final Measurement precise
* Chemically Nonabsorbant

〈L1〉

	(1) With GL Screwcap			(2) With Joint Stopper		
Capa & Accu(㎖)	Screwcap	Cat. No.	Ea. Price, ₩	Joint	Cat. No.	Ea. Price, ₩
50㎖ , ±1㎖	GL18	**KA.2490**	22,700	14/23	**KA.2485**	23,570
100㎖ , ±1㎖	GL18	**KA.2491**	25,450	14/23	**KA.2486**	26,670
250㎖ , ±2㎖	GL18	**KA.2492**	34,550	19/26	**KA.2487**	36,120
500㎖ , ±5㎖	GL25	**KA.2493**	36,490	19/26	**KA.2488**	38,050
1,000㎖, ±1㎖	GL25	**KA.2494**	50,030	19/26	**KA.2489**	50,980

Kartell® PP B-Class Volumetric Flask, with GL Screwcap & Joint Stopper, DIN/ISO, 25~1,000㎖

With Ring-marked, −10℃+125/140℃, <Italy-Made> PP **메스/용량 플라스크,** GL **스크류 캡식 & 조인트 스토퍼식**



* Translucent, individually ring-marked, class B. Supplied with PP DIN-standard Screwcaps & Stopper.
* Color-coded Stopper
* When Autoclaving, Always Slacken off the Screwcap

※ **Note/ When Autoclaving, Loosen Off the PP Screwcap!/**

〈L1〉

	(1) With GL Screwcap			(2) With Joint Stopper		
Capa & Accu(㎖)	Screwcap	Cat. No.	Ea. Price, ₩	Joint	Cat. No.	Ea. Price, ₩
25㎖ , ±10%	GL18	**KA.1430**	12,320	12/21	**KA.1484**	12,830
50㎖ , ±10%	GL18	**KA.1431**	13,240	14/23	**KA.1485**	13,740
100㎖ , ±10%	GL18	**KA.1432**	15,590	14/23	**KA.1486**	16,300
250㎖ , ±10%	GL25	**KA.1433**	17,230	19/26	**KA.1487**	18,380
500㎖ , ±10%	GL25	**KA.1434**	19,550	19/26	**KA.1488**	20,950
1,000㎖, ±10%	GL25	**KA.1435**	24,800	19/26	**KA.1489**	26,200

, *Accessories 액세서리*



SciLab® Rubber Sleeve Septa/Stopper with Snap-lip for Socket Joint 14 · 19 · 24

Ideal for Joint Socket Stopper & Needle Injection, **러버 슬리브 스냅 셉타/스토퍼, 조인트 소켓 스토퍼용 및 니들 인젝션용**

〈L1〉

■ ***Made in Korea*** * Stopper Folds Down Over Neck of Bottle. * Easily Perforated with Hypodermic Needles.

		Pk.	Price, ₩
SL.Sto6201	Sleeve Septa, Rubber, Joint 14/23, 14/35	100ea	39,380
SL.Sto6202	, Joint 19/26, 19/38	100ea	45,000
SL.Sto6203	, Joint 24/29, 24/40	100ea	65,250



DURAN® Multi-use Silicone Lid, 2 Colors for Identification, S · M · L · XL-size, Autoclavable

Ideal for Sealing & Covering Beakers, Cylinders, Flasks &c., −40℃+180℃, **범용 실리콘 커버**

■ ***Supplied by DURAN® in Germany*** ■ ***Dish washer Resistant*** ■ ***Excellent Stretchability*** ■ ***Reusable***

■ ***다양한 사이즈의 비커, 실린더, 플라스크 등의 용기류에 내용물을 편리하고, 안전하고, 위생적으로 보관하기 위한 범용 실리콘 커버***

* Please Note that Prolonged Exposure to a Solvent will Cause Swelling of the Material.
* XL Size is not included in Set(DU.29110001 & DU.29110002)

〈L1〉

Size	Opening Diameter (mm)	Suitable for Beaker	Pink		Blue	
			Cat. No.	Ea. Price, ₩	Cat. No.	Ea. Price, ₩
S	Φ43~61mm	50~100㎖	**DU.29110111**	4,890	**DU.29110112**	4,890
M	Φ64~76mm	150~250㎖	**DU.29110211**	6,420	**DU.29110212**	6,420
L	Φ84~116mm	400~600㎖	**DU.29110311**	8,050	**DU.29110312**	8,050
XL	Φ102~116mm	800~1000㎖	**DU.29110411** NEW	11,530	**DU.29110412** NEW	11,530
Set (S / M / L)			**DU.29110001**	17,220	**DU.29110002**	17,220

Articles	Cat. No	Description







DIN Joint Stopper, Hollow Hexagonal Head, Boro-glass 3.3
With Flat-bottom or Drip Tip-bottom, DIN 조인트 글라스 스토퍼

〈L6〉

(1) Flat Bottom-type

		Ea. Price,₩
SM.28612180	Stopper, DIN 7/16	4,480
SM.28612250	, DIN 10/19	2,800
SM.28612350	, DIN 12/21	2,980
SM.28612460	, DIN 14/23	2,840
SM.28612620	, DIN 19/26	3,830
SM.28612780	, DIN 24/29	4,280
SM.28612900	, DIN 29/32	5,320
SM.28613030	, DIN 34/35	14,830
SM.28613090	, DIN 45/40	20,690

(2) Drip Tip/Pointed-type

		Ea. Price,₩
SM.28611380	Stopper, DIN 7/16	4,290
SL.Sto2011	, DIN 10/19	2,120
SL.Sto2012	, DIN 12/21	2,120
SL.Sto2013	, DIN 14/23	2,430
SL.Sto2014	, DIN 19/26	3,470
SL.Sto2015	, DIN 24/29	4,690
SL.Sto2016	, DIN 29/32	6,580
SL.Sto2017	, DIN 34/35	8,780
SM.28611810	, DIN 45/40	20,730

〈L1〉

(3) Amber-glass, Flat Bottom-type

		Ea. Price,₩
SL.Sto2022	Stopper, Amber, DIN 14/23	3,870
SL.Sto2025	Stopper, Amber, DIN 29/32	7,090





DIN Joint Stopper, PE, with Octagonal- & Flower-Head, Non-Autoclavable, 7/16~60/46
Excellent for Sealing, Non-Breakage, Good Grip, −50℃+105/120℃, PE 조인트 스토퍼, DIN 규격

〈L1〉

(1) with Octagonal-head

		Ea. Price,₩	Pk.	Price,₩
WI.0306007	Stopper, DIN 7/16	950	10ea	9,040
WI.0306010	, DIN 10/19	880	10ea	8,370
WI.0306012	, DIN 12/21	1,040	10ea	10,050
WI.0306014	, DIN 14/23	1,130	10ea	10,720
WI.0306019	, DIN 19/26	1,500	10ea	14,390
WI.0306024	, DIN 24/29	1,570	10ea	15,070
WI.0306029	, DIN 29/32	1,950	10ea	18,740
WI.0306034	, DIN 34/35	3,600	10ea	34,800
WI.0306045	, DIN 45/40	5,570	10ea	53,870
WI.0306060	, DIN 60/46	8,470	10ea	81,970

(2) with Flower-head

		Ea. Price,₩	Pk.	Price,₩
SL.Sto3011	Stopper, DIN 10/19	590	10ea	5,280
SL.Sto3012	, DIN 12/21	770	10ea	7,150
SL.Sto3013	, DIN 14/23	770	10ea	7,150
SL.Sto3014	, DIN 19/26	840	10ea	7,870
SL.Sto3015	, DIN 24/29	1,240	10ea	11,630
SL.Sto3016	, DIN 29/32	1,430	10ea	13,470
SL.Sto3017	, DIN 34/35	1,970	10ea	18,620





VITLAB® Autoclavable PP Joint Stopper, DIN, Square- & Octagonal- Knob, 10/19~60/46
With Red Core, 0℃~125/140℃ Stable, <Germany-Made> PP 조인트 스토퍼, DIN 규격

〈L1〉

(1) With Square-knob

		Ea. Price,₩
VI.906.94	PP Stopper, Square-knob, DIN 10/19	1,150
VI.907.94	, DIN 12/21	1,330
VI.908.94	, DIN 14/23	1,540
VI.909.94	, DIN 19/26	1,790
VI.910.94	, DIN 24/29	2,080

(2) With Octagonal-knob

		Ea. Price,₩
VI.921.94	PP Stopper, Octagonal-knob, DIN 29/32	2,890
VI.912.94	, DIN 34/35	4,490
VI.913.94	, DIN 45/40	5,450
VI.914.94	, DIN 60/46	7,840



SciLab® Utility Pure PTFE Joint Stopper, Excellent Chemical · Corrosion · Temp-Resistance
ASTM & DIN Joint, With Trapezoidal Ring for High Vacuum & Tight Sealing Effect, −200℃+280℃, PTFE 스토퍼

■ ***Supplied by SciLab Korea*** ∗Non-Contaminating ∗Autoclavable

〈L1〉

(1) With ASTM 14/35~34/45

		Ea. Price,₩
SL.Sto4021	PTFE Stopper, 14/35, h46mm	12,270
SL.Sto4022	, 24/40, h55mm	18,380
SL.Sto4024	, 29/42, h57mm ***New***	20,130
SL.Sto4023	, 34/45, h60mm	24,520

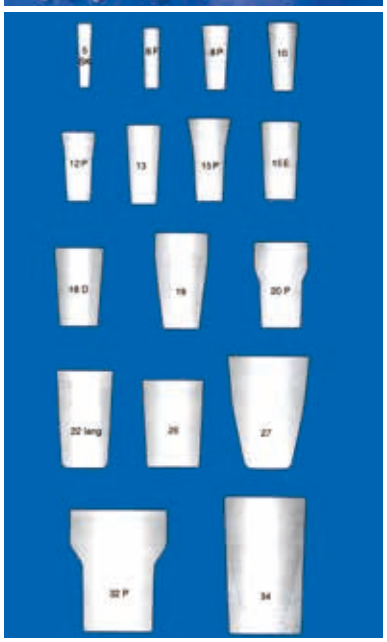
(2) With DIN 10/19~60/46

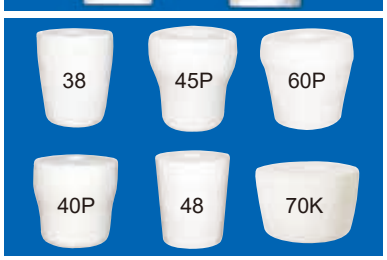
		Ea. Price,₩
SL.Sto4026	PTFE Stopper, 10/19, h31mm	7,980
SL.Sto4027	, 14/23, h34mm	11,040
SL.Sto4028	, 19/26, h38mm	14,380
SL.Sto4029	, 24/29, h44mm	16,100
SL.Sto4030	, 29/32, h47mm	17,250
SL.Sto4031	, 34/35, h51mm	20,700
SL.Sto4036	, 45/40, h58mm ***New***	28,750
SL.Sto4037	, 60/46, h64mm ***New***	54,620

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description







Heinz® Bio-Steristopper® made of Cellulose, For id Φ4.5~71mm, Air Permeable
Ideal for Bacteria Filtering, Reusable-type, Autoclavable to 200℃, **바이오스토퍼**

- ***Supplied by Heinz Herenz® in Germany***
- ***Air Permeable*** ■ ***Bacteria-Filtering***
- ***Up to 200℃ Autoclavable***

∗ Bio-Steristoppers are Cellulose Closures for Microbiological Work and Research.
∗ Ideal for Bacteriological Institutes, Hygiene Institutes, Food- and Crime Laboratories.
∗ Suitable for Sterile Closing of Bacteria Cultures inside Test Tubes, Erlenmeyer- and Culture Flasks.
∗ Excellent Sealing for Microbiological Samples and Tissue Cultures in Test Tube and Erlenmeyer Flasks.
∗ Autoclavable up to 200℃, Bacteria Filtering, Sterilizable, Air Permeable
∗ Saving-Money / Time / Labor, Tight fitting.
∗ Fine / Strong-Cellulose

〈L1〉

			dh pk.	Price, ₩	Cs.	Price, ₩
HH.2010503	Stopper, Bio. 5SK, for id. Φ4.5~6.5mm		50ea	15,500	100pk	911,120
HH.2010604	. 6F , Φ6.5~7.5mm		50ea	13,830	100pk	586,360
HH.2010801	. 8P , Φ7.5~10.5mm	"P"-form	50ea	14,230	36pk	300,880
HH.2011000	. 10 , Φ9.5~11.5mm		50ea	12,200	20pk	143,400
HH.2011201	. 12P , Φ11.5~13.0mm	"P"-form	50ea	12,820	20pk	150,650
HH.2011300	. 13 , Φ12.5~14.5mm		50ea	13,870	20pk	162,940
HH.2011501	Stopper, Bio. 15P , for id. Φ14.0~16.5mm	"P"-form	50ea	16,090	100pk	945,680
HH.2011516	. 15E , Φ15.5~17.0mm		50ea	15,740	100pk	925,270
HH.2011806	. 18D , Φ17.5~19.5mm		25ea	9,040	20pk	106,270
HH.2011900	. 19 , Φ19.0~22.0mm		25ea	17,640	100pk	1,036,830
HH.2012001	. 20P , Φ19.0~22.5mm	"P"-form	25ea	13,390	100pk	786,790
HH.2012208	. 22 , Φ22.0~24.0mm	(Long)	25ea	19,800	80pk	930,970
HH.2012600	Stopper, Bio. 26 , for id. Φ26.0~27.0mm		25ea	19,320	80pk	908,050
HH.2012700	. 27 , Φ27.0~32.5mm		25ea	29,890	40pk	702,970
HH.2013201	. 32P , Φ32.0~33.0mm	"P"-form	25ea	46,720	30pk	824,050
HH.2013400	. 34 , Φ33.5~36.5mm		25ea	40,280	30pk	710,630
HH.2013600	. 36 , Φ35.5~39.5mm		25ea	45,170	24pk	637,280

For id Φ40~71mm, Large-neck Flasks/Vessels,
Air permeable, Bacteria-Filtering, 200℃ Autoclavable

			dh pk.	Price, ₩	Cs.	Price, ₩
HH.2013800	Stopper, Bio. 38 , for id. Φ40.0~43.5mm		20ea	42,850	25pk	629,880
HH.2014001	. 40P , Φ42.0~46.5mm	"P"-form	20ea	63,870	25pk	939,090
HH.2014501	. 45P , Φ47.0~48.0mm	"P"-form	20ea	91,730	15pk	809,270
HH.2014800	. 48 , Φ47.0~49.0mm		20ea	63,330	20pk	744,770
HH.2016001	. 60P , Φ57.0~60.0mm	"P"-form	20ea	158,120	10pk	929,980
HH.2017005	. 70K , Φ69.0~71.0mm		10ea	83,430	10pk	490,640



High Vacuum Grease, 50g

Dow Corning® Silicone High Vacuum Grease, 1.33×10⁴Pa(10⁻⁶㎜Hg), 50g
For High Vacuum, Oxidation/Chemicals Resistance, 40℃~200℃, **고진공 실리콘 그리스**

∗ Silicone Lubricant for Glass Stopcocks, Joint and Glass-Rubber Connections
∗ Low Volatility ∗ Good Lubricating and Sealing Ability
∗ Excellent Resistance to water, Chemicals, High and Low Temperatures

〈L1〉

		Ea.	Price, ₩
DH.Gre6001	High Vacuum Grease, 1.33×10⁴Pa(10⁻⁶㎜Hg), 40℃~200℃, 50g		10,020



Silicone Grease(100g)

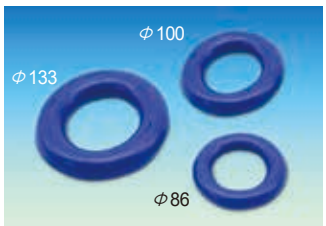
ShinEtsu® Multiuse Silicone Grease, for High Temp & Vacuum Seal
Up to −50℃+200℃, 100g/tube or 1kg/Can, **다용도 고온 실리콘 그리스, 윤활방청·진공·방수·실링용**

〈L2〉

∗ Thermal Oxidation Stability over a Wide Temperature Range.

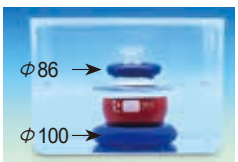
		Ea.	Price, ₩
S8.G40.100T	**Silicone Grease, High-temp. Lubricant**(-30℃+200℃), 100g		15,750
S8.HIVAC.GT	**Oil Compound, High Vacuum Seal**(-50℃+200℃) , 100g		18,200

Articles	Cat. No	Description



Flask Diver Ring, Diver/Sinker, 0.3 · 0.5 · 1.1kg
Made of PVC Coated Steel, id.Φ48 · 56 · 70mm, **플라스크 다이버(침적) 링**

■ ***Supplied by SciLab Korea***
■ ***PVC Coated Steel.***
∗ For Stable Immersion of Glassware and Plasticware like Flask in Water Bath



〈L1〉

Cat. No		Ea. Price ₩
SL.Sup7001	Flask Diver Ring, od.Φ86 / id.48mm , 0.3kg	19,490
SL.Sup7002	, od.Φ100 / id.56mm, 0.5kg	22,050
SL.Sup7003	, od.Φ133 / id.70mm, 1.1kg	33,820


(1)


(2)

SciLab® Cork Ring Support, for Round-bottom Articles, for 50㎖~20Lit
Ideal for Flask · Vessels · Dishes, **콜크 링 써포트**

■ ***Made in Korea***
■ ***Made of Compressed Cork for Supporting Flasks or Dishes.***
■ ***An Internal Bevel at Top Provides a Secure Support for Round-Bottomed Vessels.***
∗ Ideal for Round-bottom Articles Support(Flask / Vessels / Dishes)

〈L1〉

(1) For 50㎖~6000㎖ Round Flask & Vessel

Cat. No		Ea. Price, ₩
SL.Sup9011	Ring Support, od. Φ 75×id. Φ(Upper/Bottom) 55 / 30×h30mm, for 50~100㎖	5,000
SL.Sup9012	Φ 90×id. Φ(Upper/Bottom) 65 / 44×h30mm, for 100~250㎖	5,750
SL.Sup9013	Φ105×id. Φ(Upper/Bottom) 80 / 57×h30mm, for 250~1000㎖	8,000
SL.Sup9014	Φ128×id. Φ(Upper/Bottom) 98 / 78×h30mm, for 500~2000㎖	9,500
SL.Sup9015	Φ155×id. Φ(Upper/Bottom)115 / 103×h30mm, for 2000~6000㎖	11,750

(2) For 10Lit~20Lit Round Flask & Vessel

Cat. No		Ea. Price, ₩
SL.Sup9016	Ring Support, od. Φ300×id.Φ(Upper / Bottom) 185 / 170×h40mm, for 10~20 ℓ	40,000


(1)


(2)

Universal Round Flask Support, PP & Rubber, Stackable, Up to Max. 1-/10-Lit
For Round Bottomed-Flask · Vessel · Dish, PP & Rubber **만능 써포트, 둥근바닥 기물용**

■ ***Supplied by SciLab Korea***
∗ Suitable for Most Round Bottom Flasks ∗ Stepped Concentric Rings to Help Stabilize Flasks

〈L1〉

(1) Rubber Support, up to Max. 1Lit

Cat. No		Ea. Price, ₩
SL.Su6101	Flask Support, Rubber, 8 steps, Φ95×h50mm	6,040

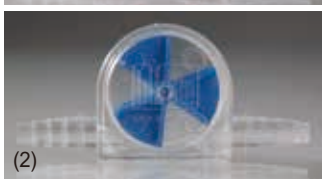
(2) PP Support, up to Max. 10Lit

Cat. No		Ea. Price, ₩
SL.Su3101	Flask Support, PP, Stackable, 8 steps , Φ95×h50mm	5,150
SL.Su3102	, 11 steps, Φ160×h50mm	5,890

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description


(1)


(2)

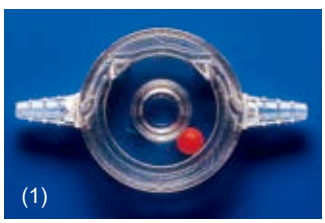
Burkle® Flow Indicator, PMP, for Gas & Liquid, Chemical Resistance, Blue-/Red-Color
For High-temperature, 121℃ Autoclave, 0℃~150/180℃, <Germany-Made> 고온용 PMP 유량계

* Flow indicators give precise visual indication of the flow velocity of liquids or gases being transported through hose connections.
* The flow indicator with impeller functions in both directions and in any position.
* The impeller starts to rotate at a flow rate about 150 ml/min (liquids).
* Good Resistance to Chemical & High Temp.
* Not suitable for Strong Acids, Alkalis and Solvents. * Can be Steam Sterilized.
* Suitable for Use at 80℃. * Pressure Resistant up to 2 bar

▶ For Hoses with Inner Diameter of 6 - 11mm

〈L1〉

		Ea.	Price, ₩
BK.8720.2002	(1) PMP Flow Indicator, Size-w88×d15×h40mm, Red		36,450
BK.8720.2005	(2) , Blue		36,450


(1)


(2)

Kartell® Flow Indicator, SAN, for Liquids or Gases
Non-Autoclavable, −20℃+90℃, 유량계

* Speed of rotation of ball proportional to flow.
* Flow-rate Indicate : Indicate Liquid & Gas of Flow / Amount
* Heat resistant at -20℃+90℃

〈L1〉

(1) Ball-type Indicator, <Italy-Made>

		Ea.	Price, ₩
KA.538	SAN Flow Indicator, Φ57×Thick 14mm, Connect. od 6~10mm		31,530

(2) Paddle-wheel type Indicator, <Germany-Made>

		Ea.	Price, ₩
KA.539	SAN Flow Indicator, Φ40×Thick 15mm, Connect. od 6~11mm		46,800



Kartell® PP Non-Return Valve, Preventing Reverse Flow
For Use in Vacuum Lines and Fluid Handling Systems, <Italy-Made> 유체역류방지 밸브, 기체&액체용

* Check Valve : Prevent Reverse-Flow in the Pressure & Vacuum.
* Useful for any tubing system and vacuum line.
* Pressure-resistant, 2 bar (28.4 psi)
* -10℃+125/140℃ Heat-resistant, Autoclavable.

〈L1〉

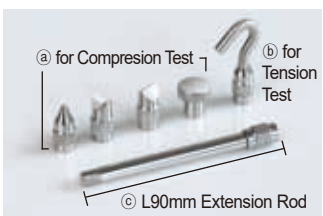
		Ea.	Price, ₩
KA.418	Valve, Non-return, PP, od 8 / 9 / 10 mm		3,830
KA.419	, od 12 / 13 / 15 mm		6,990

Articles	Cat. No	Description

SAUTER® [d] 0.005~0.2N, Max.10~500N Digital Force Gauge Set "FK", for Measuring Push- & Pull-force
With Standard Attachments, Measuring Unit : N(Newton) · lb · kg · oz, with Peak Hold Function & Turnable Display, 디지털 포스게이지 세트



10~500N Digital Force Gauge



Incl. Standard Attachments


(1) Tensiometer Kit (Option)

■ ***Supplied by SAUTER® in Germany***

- Turnable Display : Automatic Direction Identification
- Secure Operability due to the Ergonomic Design
- Peak-Hold function to Capture Peaks or Track Function Mode for a Continuous Measurement Indication
- Can be mounted on all SAUTER Test Stand
- Factory Calibration Available
- Measuring Unit : N(Newton) · lb · kg · oz
- 1N=0.102kgf, 1kgf=9.8N
- Auto-Power-Off
- **Complete Set with :** ① Force Gauge, ② Power Supply, ③ Card board Packaging, ④ Standard Attachments, ⑤ 6×1.5V AA Batteries
- Can Use Standard Attachments for Piercing, Tearing, Pressing or Hooking during ⓐ Compression or ⓑ Tension Test as well as Use ⓒ Where Objects are Difficult to Access

Specifications
- Precision : 0.5 % of [Max]
- Internal Measuring Frequency : 1000 Hz
- Overload Protection : 200 % of [Max]
- Dimensions w195×d82×h35 mm
- Ready for use : Batteries included, 6×1.5V AA
- Net weight approx. 0.72 kg
- Thread : M8

※ **If you want to get optional Factory Calibration Certificate, please order the Certificate Separately when you order the Force Gauge !**

〈L1〉

Cat. No.	Measuring Range Max N	Readout d N	Set. / Price, ₩	Optional Calibration Certificate			
				Tensile Force		Tensile / Compressive Force	
				Cat. No.	Ea. / Price,₩	Cat. No.	Ea. / Price,₩
SA.FK10	0~10	0.005	531,140	**SA.961.161O**	413,730	**SA.961.361O**	751,080
SA.FK25	0~25	0.01	531,140	**SA.961.161O**	413,730	**SA.961.361O**	751,080
SA.FK50	0~50	0.02	531,140	**SA.961.161O**	413,730	**SA.961.361O**	751,080
SA.FK100	0~100	0.05	531,140	**SA.961.161O**	413,730	**SA.961.361O**	751,080
SA.FK250	0~250	0.1	531,140	**SA.961.161O**	413,730	**SA.961.361O**	751,080
SA.FK500	0~500	0.2	531,140	**SA.961.161O**	413,730	**SA.961.361O**	751,080
SA.FK.A02	**Option ;** (1) Tensiometer Kit, max. 1000N, for Testing like Cables, Threads, Wires &c. (up to Φ5mm)						618,070

SAUTER® [d] 0.001~0.1N, Max.5~500N Universal Digital Force Gauge Set "FH", for Tension & Compression
With Data Interface RS-232, Measuring Unit : N(Newton) · lb · kg · oz, with Peak Hold Function & Turnable Display, 유니버셜 디지털 포스게이지 세트



5~500N Universal Digital Force Gauge



Incl. Standard Attachments


with Carrying Case

■ ***Supplied by SAUTER® in Germany***

- Turnable Display with Backlight
- Measuring Unit : N(Newton) · lb · kg · oz
- 1N=0.102kgf, 1kgf=9.8N
- with Data Interface RS-232 & Robust Carrying Case
- Factory Calibration Available
- Peak-Hold Function to Capture Peaks or Track Function Mode for a Continuous Measurement Indication
- Measuring with Tolerance Range (Limit-setting Function)
- Auto-Power-Off
- Internal Memory for up to 10 Measurement Values
- Can be mounted on all SAUTER Test Stands
- Mini Statistics Kit : Calculates the Average Result from up to 10 Stored Measured Values, as well as min., max., n
- Delivered in a Robust Carrying Case
- **Complete Set with :** ① Force Gauge with Rechargeable Battery, ② Carrying Case, ③ Charger, ④ Standard Attachments
- Can Use Standard Attachments for Piercing, Tearing, Pressing or Hooking during ⓐ Compression or ⓑ Tension Test as well as ⓒ Where Objects are Difficult to Access

Specifications
- High Resolution : up to 10,000 points (Total Measuring Range)
- Overload Protection : 150 % of [Max]
- Internal Measuring Frequency : 2000 Hz
- Precision : 0.5 % of [Max]
- Dimensions w66×d36×h230 mm
- Thread : M6
- Net Weight approx. 0.64 kg
- Rechargeable Battery Pack Integrated, Standard, Operating Time up to 12h without Backlight, Charging Time approx. 4h

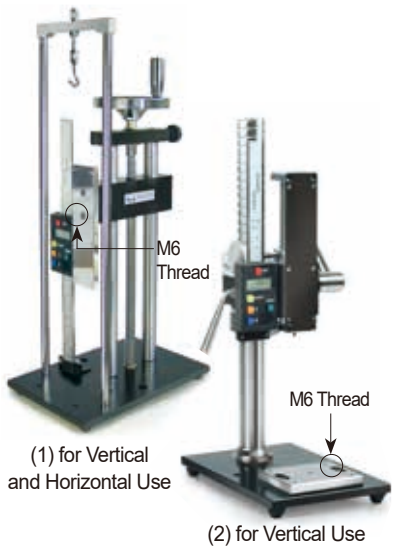
※ **If you want to get optional Factory Calibration Certificate, please order the Certificate Separately when you order the Force Gauge !**

〈L1〉

Cat. No.	Measuring Range Max N	Readout d N	Set. / Price, ₩	Optional Calibration Certificate			
				Tensile Force		Tensile / Compressive Force	
				Cat. No.	Ea. / Price,₩	Cat. No.	Ea. / Price,₩
SA.FH5	0~5	0.001	1,039,180	**SA.963.161**	413,730	**SA.963.361**	751,080
SA.FH10	0~10	0.005	1,039,180	**SA.963.161**	413,730	**SA.963.361**	751,080
SA.FH50	0~50	0.01	1,039,180	**SA.963.161**	413,730	**SA.963.361**	751,080
SA.FH100	0~100	0.05	1,039,180	**SA.963.161**	413,730	**SA.963.361**	751,080
SA.FH500	0~500	0.1	1,039,180	**SA.963.161**	413,730	**SA.963.361**	751,080
KE.YKB.01	**Option ;** Standard Thermal Printer, 0.75 lines/sec, 165×140×h50 mm						807,020

※ The Price(VAT is extra) for Korean End-user, and Changeable.

SAUTER® Manual Test Stand "TVL" & "TVP", for Force Gauges up to 500N(Newton), with Digital Length Measurement
For Vertical- & Horizontal-use, without Force Gauge, 포스게이지용 수동형 스탠드, 게이지 별도



(1) for Vertical and Horizontal Use

(2) for Vertical Use

■ ***Supplied by SAUTER® in Germany***

* High Level of Security with Repeated Measurements
* Large Base Plate with High Versatility of Fastening Objects
* Can be used for Force Gauges up to 500 N (Not Included)
* Hook with M6 Thread as Standard
* Digital Length Meter : a) Measuring Range: Max. 100mm (TVP.L) or 200mm (TVL), b) Readout: 0.01 mm, c) Zero setting possible, d) Pre-length can be set manually

(1) for Vertical and Horizontal Use, with Crank Handle

■ ***For Highly Accurate Tensile and Compressive Force Measurements***

* Max Travel from Base Plate : 297 mm
* Travel Distance per Knob Rotation (stroke per one turn): 3.1 mm
* Overall Dimensions w151×d234×h465 mm
* Net Weight approx. 8.3 kg

〈L1〉

		Ea. Price, ₩
SA.TVL	Test Stand, for Force Gauges up to 500N, for Vertical and Horizontal Use, Crank Handle type	911,230

(2) for Vertical Use

■ ***For Compressive Force Measurements***

* Provides Quick and Consistent Testing
* Provides Maximum Versatility and Precise Measuring Results
* Slide Construction for Distance Measurement
* Maximum Carriage Height above Base Plate : 318 mm
* Max Travel Distance with One Stroke : 78 mm
* Overall Dimensions w150×d233×h420 mm
* Net Weight approx. 10.5 kg

		Ea. Price, ₩
SA.TVP.L	Test Stand, for Force Gauges up to 500N, for Vertical Use	911,230

SAUTER® Premium Analog Motorised Vertical Table-top Test Stand "TVO", for Force Gauges up to 500N(Newton), with Electric Motor With Automatic or Manual Process Mode, 포스게이지용 자동 & 수동 스탠드, 게이지 별도



Motorised Test Stand
※ Not Include a Force Gauge

■ ***Supplied by SAUTER® in Germany***

■ ***Motorised Test Stand for Tension and Compression Tests***

* Table-top Design for Comfortable Operation
* Robust Design for Durable use
* Easy-to-access Safety Switch-off
* Automatic or Manual Operation Mode
* Upper and Lower End Point can be Set Individually
* Suitable in the Field of Rubber & Plastic Products, Light Industry & Textile, Construction of Frame, Complex Material, Wires & Cables, Automobile Components, Engine and Scientific Research.
* Package includes Test Stand, M6 Inner-hexagonal Spanner, 230V Power wire, M6 Clamp and Operation Manual
* Net Weight approx. 25 kg
* Rate Flow : 1.5 A
* Fuse of Main Circuit : 3A
* Work Voltage : Single-phase 220V

Ordering Information

〈L1〉

Cat. No.	Measuring Range Max N	Speed Range (mm/min)	Speed Accuracy	Max. Travelling Distance	Dimensions w×d×h(mm)	Ea. Price, ₩
SA.TVO500N300	0~500	15-300	2% of [Max]	300mm	236×428×570	4,941,340
SA.AFH.FAST	**Option ;** Force-time Data Transfer Software, for Graphical Representation on the PC and Data Transfer to Microsoft Excel®					222,130
SA.LB.A02	**Option ;** Mounting the Length Measuring Device onto a SAUTER Stand at the factory ※ **This Option must be Ordered with the Stand !**					394,570

Hammacher® in Germany Medical Tools

Premium Maintenance Service

for All Brands of Stainless-steel Instruments

Hammacher® Offer Our Customers a Premium Maintenance Service for All Brands of Stainless-steel Instruments Including the Following Work Processes :



Diamond Coating

Diamond Coating and Re-Coating of Extracting Forceps, Telescope Crown Pliers, etc.,...



TC-insert

Replacement of Tungsten Carbide Inserts for Needle Holders and Technical Pliers



Tool Sharpening

Sharpening and Regrinding of Scissors, Scalpels and Other Cutting Instruments



Refinishing

Complete Refinishing of Old Instruments, such as Surface Redressing, Alignment, Rust Removal and Making Instruments Patent



Surface Finishing

Surface Finishing of Instruments, such as Matt Finishing, Polishing, Chrome and Gold Platting



Replacement of Parts

Replacement of Screws, Pins and Rivets



Customised Instruments

For Our Customers, Hammacher® Manufacture Custom-made Instruments to Specification from Your Samples, Drawings etc.

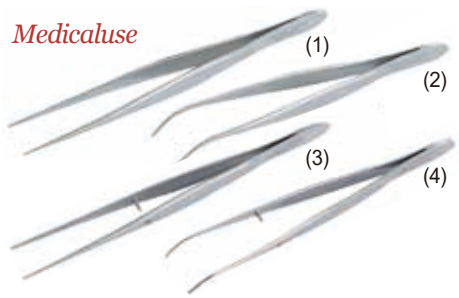


Articles	Cat. No	Description

Hammacher® Premium Micro Dressing Forceps, Wironit™ Special Non-magnetic/Rust-free Stainless-steel, L105 & 115mm, *Medicaluse*

With or without Pin, Highest Elasticity and Toughness, <Germany-Made> 프리미엄 마이크로 드레싱 포셉/핀셋, 독일제 의료용, 비자성/비부식 특수스텐

Medicaluse



■ *Germany-made 프리미엄급; 비자성, 비부식, 내산성 / 내약품성 / 내열성 우수*
■ *Wironit™ Special Stainless-steel of 18/10 Cr-Ni*
; Non-magnetic, Rust-free, Excellent Resistance to Acid / Chemicals / Heat

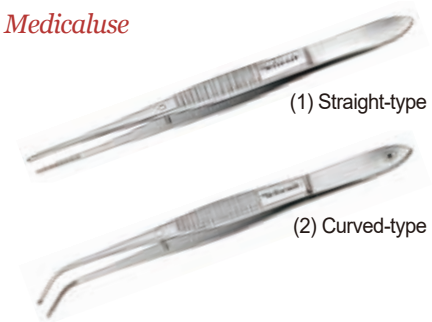
〈M1〉

		Ea.	Price, ₩
HA.HWC200.10	(1) Micro Dressing Forceps, Straight, L105mm		50,580
HA.HWC204.11	, L115mm		59,250
HA.HWC201.10	(2) Micro Dressing Forceps, Curved, L105mm		54,200
HA.HWC203.11	, L115mm		60,890
HA.HWC202.10	(3) Micro Dressing Forceps, with Pin, Straight, L105mm		55,820
HA.HWC206.11	, L115mm		61,780
HA.HWC205.10	(4) Micro Dressing Forceps, with Pin, Curved, L105mm		63,780
HA.HWC207.11	, L115mm		64,680

Hammacher® Premium Microscopic Dressing Forceps, Wironit™ Non-magnetic/Rust-free Stainless-steel, *Medicaluse*

Very Delicate, with Ridged-Tip, L105~130mm, <Germany-Made> 프리미엄 마이크로스코픽 포셉/핀셋, 독일제 의료용, 비자성/비부식 특수스텐

Medicaluse



■ *Germany-made 프리미엄급 의료용 드레싱 포셉/핀셋, Wironit™ 특수스텐(18/10 크롬·니켈) 제품; 비자성, 비부식, 내산성 / 내약품성 / 내열성 우수* ■ *드레싱용*
■ *Wironit™ Special Stainless-steel of 18/10 Cr-Ni*
; Non-magnetic, Rust-free, Excellent Resistance to Acid / Chemicals / Heat

〈M1〉

(1) Straight-type, L105~130 mm

		Ea.	Price, ₩
HA.HWC070.10	Dressing Forceps, Stainless-steel, Straight, with Pin, L105mm		48,430
HA.HWC072.11	, L115mm		51,320
HA.HWC074.13	, L130mm		50,400

(2) Curved-type, L105~130 mm

		Ea.	Price, ₩
HA.HWC071.10	Dressing Forceps, Stainless-steel, Curved, with Pin, L105mm		50,240
HA.HWC073.11	, L115mm		52,400
HA.HWC075.13	, L130mm		52,400

Hammacher® Premium Dressing/Thumb Forceps, Wironit™ Non-Magnetic / Rust-Free Stainless-steel, *Medicaluse*

120~2500mm, with Blunt & Ridged-Tip, <Germany-Made> 프리미엄 표준 드레싱 포셉/핀셋, 독일제 의료용, 비자성/비부식 특수스텐

Medicaluse



L120~250mm Wironit™ SS

■ *Germany-made 프리미엄급; 의료용 드레싱 포셉/핀셋, Wironit™ 특수스텐 & Rustproof 스텐제품*
∗ Wironit™ Special Stainless-steel of 18/10 Cr-Ni
; Non-magnetic, Rust-free, Excellent Resistance to Acid / Chemicals / Heat

〈M1〉

		Ea.	Price, ₩
HA.HWC050.12	Dressing/Thumb Forceps, SS Straight, Blunt & Ridged-Tip, L120mm		39,940
HA.HWC051.13	, L130mm		41,740
HA.HWC052.14	, L145mm		47,880
HA.HWC053.16	, L160mm		48,800
HA.HWC054.18	, L180mm		53,850
HA.HWC055.20	, L200mm		54,940
HA.HWC056.25	, L250mm		61,780

Dressing/Thumb Forceps, Rust-proof Stainless-steel 410, L125~250mm, *Medicaluse*

With Blunt & Ridged-Tip, 표준 드레싱 포셉/핀셋, 의료용, 비부식

Medicaluse



■ *Stainless-steel 410 : 비부식, 고강도, 고경도, 내약품성*
■ *Rust-proof, High-Strength/Hardness, Chemical Resistance*

〈M1〉

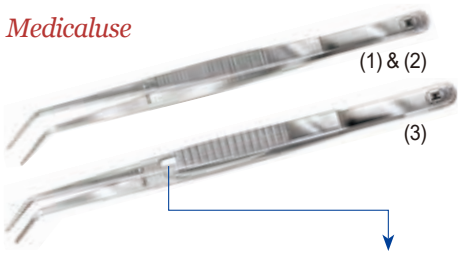
		Ea.	Price, ₩
DM.For7001	Dressing/Thumb Forceps, SS, Blunt & Ridged-Tip, L125mm		12,150
DM.For7002	, L140mm		12,320
DM.For7003	, L180mm		12,590
DM.For7004	, L200mm		12,740
DM.For7005	, L250mm		12,900

Articles	Cat. No	Description

Hammacher® Premium Cotton/Dressing *College* & *Maeriam* Forceps, L150~160mm, *Medicaluse*

With Serrated Handle · Pin, Sharp · Ridged Tip, Curved-type, Stainless-steel 420, <Germany-Made> 프리미엄 *콜리지* & *메리엄* 포셉/핀셋, 독일제 의료용, 비부식

Medicaluse





(1) London-College (2) Meriam (3) with Locking

■ ***Germany-made 프리미엄급; 의료용 코튼·드레싱 포셉 / 핀셋, 비부식, 고강도, 고경도, 내약품성***
■ ***Surgical Stainless-steel 420 : Rust-proof, High-Strength/Hardness, Chemical Resistance***

<M1>

∗ Used to Grasp or Transfer Materials

		Ea.	Price, ₩
HA.HSC020.05	(1) Forceps, SS, Sharp & Ridged Tip, London-College, L150mm		16,770
HA.HSC012.05	, L160mm		29,240
HA.HSC021.09	(2) Forceps, SS, Sharp & Ridged Tip, Meriam, L150mm		17,900
HA.HSC024.09	, L160mm		21,690
HA.HSC031.15	(3) Forceps, SS, Sharp & Ridged Tip, with Locking, L155mm		41,570

Hammacher® Premium Cotton/Dressing *College* & *Meriam* Forceps, Wironit™ Non-magnetic/Rust-free Stainless-steel, *Medicaluse*

With Smooth Handle · Pin, Sharp-Tip, L150mm, <Germany-Made> 프리미엄 Wironit™ *콜리지* & *메리엄* 포셉/핀셋, 의료용, 비자성/비부식 특수스텐

Medicaluse



(1) College, Smooth Tip (2) College, Ridged Tip (3) Meriam, Ridged Tip

■ ***Germany-made 프리미엄급; 의료용 코튼·드레싱 포셉 / 핀셋, Wironit™ 특수스텐(18/10 크롬·니켈) 제품 ; 비자성, 비부식, 내산성 / 내약품성 / 내열성 우수***
■ ***Wironit™ Special Stainless-steel of 18/10 Cr-Ni ; Non-magnetic, Rust-free, Excellent Resistance to Acid / Chemicals / Heat***

<M1>

∗ Used to Grasp or Transfer Materials

		Ea.	Price, ₩
HA.HWC016.04	(1) Forceps, Stainless-steel, College, Sharp/Smooth Tip, L150mm		36,870
HA.HWC017.05	(2) , Sharp/Ridged Tip, L150mm		37,620
HA.HWC019.12	(3) , Meriam, Sharp/Ridged Tip, L150mm		39,420

Hammacher® Premium Watchmaker Fine-tip Forceps, L110mm, *Medicaluse*

With Straight- & Curved-type, Sharp & Smooth-Tip, Stainless-steel 420, <Germany-Made> 프리미엄 정밀팁 포셉/핀셋, 독일제 의료용

Medicaluse



<M1>

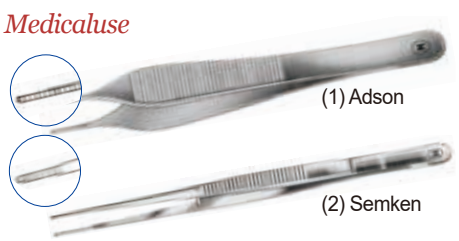
■ ***Germany-made 프리미엄급; 의료용 포셉/핀셋***

		Ea.	Price, ₩
HA.HSC818.11	(1) Watchmaker Forceps, Stainless-steel, Straight, L110mm		14,120
HA.HSC819.10	(2) , Curved, L110mm		15,200

Hammacher® Premium Dressing/Tissue *Semken* & *Adson* Forceps, L120mm, *Medicaluse*

For Dressing or Grasping Soft Tissue, Very Delicate, SS 420, <Germany-Made> 프리미엄 드레싱 겸 티슈 *에디슨* & *셈켄* 포셉/핀셋, 독일제 의료용, 비부식

Medicaluse



■ ***Germany-made 프리미엄급; 의료용 드레싱·티슈 포셉 / 핀셋, 비부식, 고강도, 고경도, 내약품성***
■ ***Surgical Stainless-steel 420 : Rust-proof, High-Strength/Hardness, Chemical Resistance***

<M1>

∗ Used for Wound Dressing and Compressing or Grasping Soft Tissues in Surgical Operation

		Ea.	Price, ₩
HA.HSC080.12	(1) Dressing/Tissue Forceps, Stainless-steel, Adson, L120mm		24,580
HA.HSC086.12	(2) , Semken, L120mm		32,350

Graefe Iris Forceps, Rust-proof Stainless-steel 410, with Sharp & Ridged-Tip, L105mm, *Medicaluse*

For Frasping and Holding Tissue, Delicate, *그레이프* 아이리스 포셉/핀셋, 의료용, 비부식

Medicaluse



■ ***Stainless-steel 410 : 비부식, 고강도, 고경도, 내약품성***
■ ***Tip이 가늘고 길어 섬세한 작업을 하는데 용이하며, 안과에서 가장 많이 쓰이며 일반 외과에서도 흔하게 사용됨***
■ ***Rust-proof, High-Strength/Hardness, Chemical Resistance***

<M1>

∗ Used to Grasp and Hold Tissue during Ophthalmic Procedures

		Ea.	Price, ₩
DM.For7007	Iris Forceps, Stainless-steel, Graefe, Straight, L105mm		5,030

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Hammacher® Premium Micro Tissue *Adson-Brown* Forceps, with 7×7 Tips, L120mm, *Medicaluse*

For Soft Tissue, Very Delicate, Stainless-steel 420, <Germany-Made> 프리미엄 마이크로 티슈 *에디슨-브라운* 포셉/핀셋, 독일제 의료용, 비부식

Medicaluse



- ***Germany-made 프리미엄급; 의료용 티슈포셉/핀셋, 비부식, 고강도, 고경도, 내약품성***
- ***Surgical Stainless-steel 420 : Rust-proof, High-Strength/Hardness, Chemical Resistance***

∗ Used for Grasping Soft Tissues in Surgical Operation

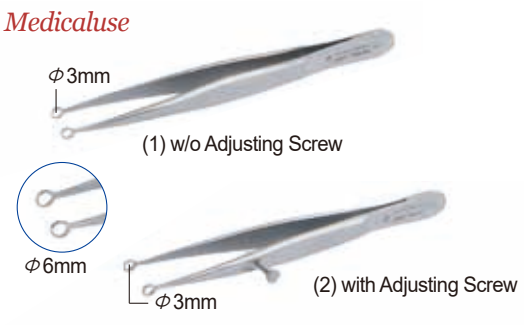
<M1>

		Ea. Price, ₩
HA.HSC234.12	Micro Tissue Forceps, SS, Adson Brown, L120mm	39,390

Hammacher® Premium Micro Tumor/Tissue Forceps, L90mm, *Medicaluse*

With or Without Adjusting Screw, Stainless-steel 410, <Germany-Made> 프리미엄 튜머 겸 티슈 포셉/핀셋, 독일제 의료용, 비부식

Medicaluse



- ***Germany-made 프리미엄급 의료용 포셉/핀셋, 비부식, 고강도, 고경도, 내약품성***
- ***Stainless-steel 410 : Rust-proof, High-Strength/Hardness, Chemical Resistance***
- ***Round Ring Tip : Φ3mm(id 2.2mm), Φ6mm(id 4.8mm)***

∗ For Taking Hold of Tumor and Tissue

<M1>

(1) without Adjusting Screw, Round Ring Tip Φ3 & 6mm

		Ea. Price, ₩
HA.HSC700.93	Forceps, for Tumor & Tissue, Φ3mm, L90mm	66,340
HA.HSC701.96	, Φ6mm, L90mm	66,340

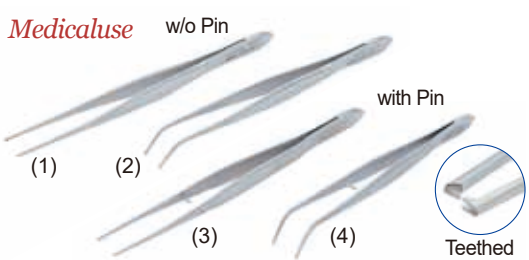
(2) with Adjusting Screw, Round Ring Tip Φ3 & 6mm

		Ea. Price, ₩
HA.HSC702.93	Forceps, for Tumor & Tissue, w/Adjusting Screw, Φ3mm, L90mm	88,670
HA.HSC703.96	, Φ6mm, L90mm	88,670

Hammacher® Premium Micro Tissue Forceps, Wironit™ Special Non-magnetic Rust-free Stainless-steel, *Medicaluse*

L105 & 115mm, with Teethed, Sterilizable, With or without Pin, <Germany-Made> 프리미엄 마이크로 티슈 포셉/핀셋, 독일제 의료용, 비자성/비부식 특수스텐

Medicaluse



- ***Germany-made 프리미엄급; 비자성, 비부식, 내산성 / 내약품성 / 내열성 우수***
- ***Wironit™ Special Stainless-steel of 18/10 Cr-Ni; Non-magnetic, Rust-free, Excellent Resistance to Acid / Chemicals / Heat***

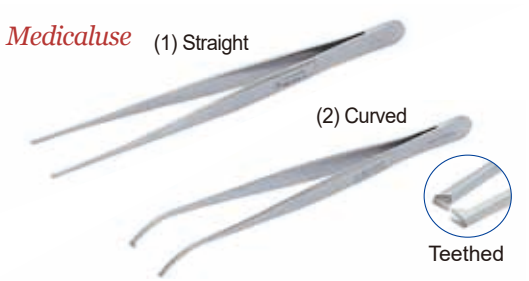
<M1>

		Ea. Price, ₩
HA.HWC210.10	(1) Micro Tissue Forceps, L105mm, Straight	69,630
HA.HWC211.10	(2) , Curved	70,440
HA.HWC216.11	(3) Micro Tissue Forceps, L115mm, with Pin, Straight	73,890
HA.HWC217.11	(4) , Curved	81,280

Hammacher® Premium Fine Tissue Forceps, with Teethed, L130 & 145mm, *Medicaluse*

(1) Straight-type and (2) Curved-type, Stainless-steel 410, <Germany-Made> 프리미엄 파인 티슈 포셉, 독일제 의료용, 비부식

Medicaluse



- ***Germany-made 프리미엄급; 비부식, 고강도, 고경도, 내약품성***
- ***Stainless-steel 410 : Rust-proof, High-Strength/Hardness, Chemical Resistance***

<M1>

(1) Straight-type, L130 & 145mm

		Ea. Price, ₩
HA.HSC214.13	Fine Tissue Forceps, Teethed, Straight, L130mm	32,170
HA.HSC216.14	, L145mm	39,940

(2) Curved-type, L130 & 145mm

		Ea. Price, ₩
HA.HSC215.13	Fine Tissue Forceps, Teethed, Curved, L130mm	34,530
HA.HSC217.14	, L145mm	40,680

Hammacher® Premium Thumb/Tissue Forceps, Wironit™ Special Non-magnetic/Rust-free Stainless-steel, *Medicaluse*

L120~160mm, with Teethed, Highest Elasticity and Toughness, <Germany-Made> 프리미엄 표준 티슈 포셉/핀셋, 독일제 의료용, 비자성/비부식 특수스텐

Medicaluse



- ***Germany-made 프리미엄급; 비자성, 비부식, 내산성 / 내약품성 / 내열성 우수***
- ***Wironit™ Special Stainless-steel of 18/10 Cr-Ni***
  ; Non-magnetic, Rust-free, Excellent Resistance to Acid / Chemicals / Heat

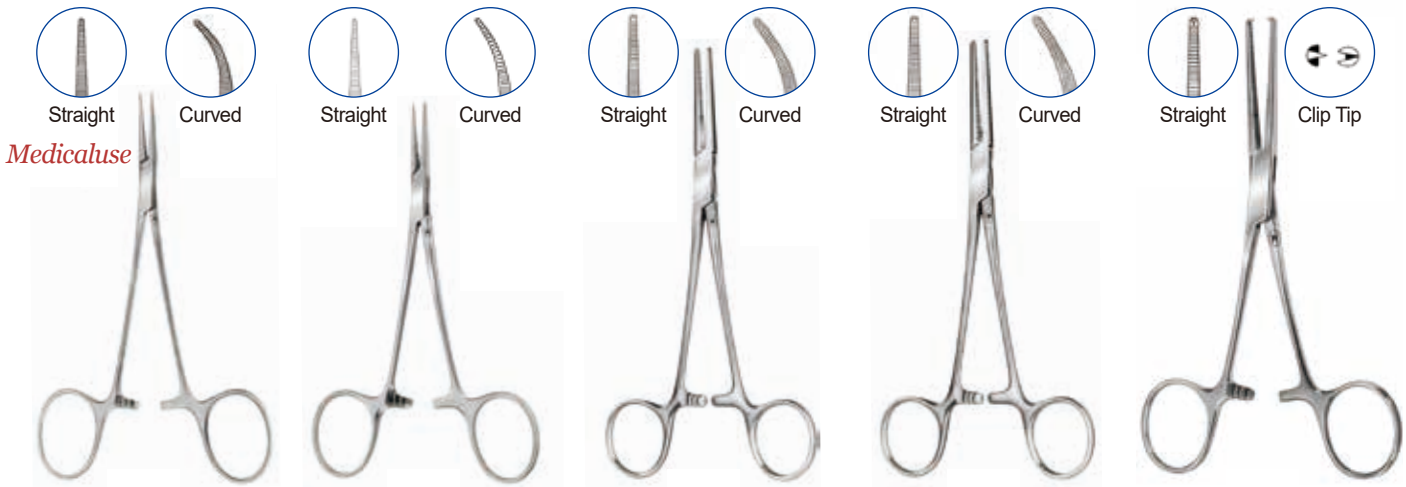
<M1>

		Ea. Price, ₩
HA.HWC080.12	Thumb/Tissue Forceps, Standard, Straight, L120mm	62,140
HA.HWC081.13	, L130mm	63,050
HA.HWC082.14	, L140mm	64,490
HA.HWC083.16	, L160mm	65,940

Articles	Cat. No	Description

Hammacher® Premium Haemostatic Forceps/Tubing Clamp, with Serrated Clamp Heads, L120~160mm, *Medicaluse*

Crile · Halsted · Kelly · Kocher · Mosquito-Forceps, Stainless-steel 410, **프리미엄 지혈 겸자 포셉 및 튜빙 클램프 겸용, 독일제 의료용 & 랩 겸용**



(1) Micro-Halsted (2) Halsted-Mosquito (3) Kelly (4) Crile (5) Kocher

- ***Germany-made 프리미엄급; 의료용 지혈 겸자 / 포셉 / 핀셋, 비부식, 고강도, 고경도, 내약품성***
- ***용도 : 조직이나 혈관을 잡거나 조작, 압박, 절단, 결합, 또는 호스나 튜브를 고정시켜 기밀을 유지하는 등 다목적 기구***
- ***격자로 된 홈이 있는 팁이 미끄러지지 않게 잡도록 도와주고, 가위형 손잡이로 간편하게 고정시키거나 잡을 수 있음***
- ***Stainless-steel 410 : Rust-proof, High-Strength/Hardness, Chemical Resistance***
- ***Serrated Heads to Ensure Firm Grasp***

∗ Used to Clamp Blood Vessel and Hold Tissue or Control the Flow of Liquids or Gases Through Flexible Tubing
∗ Ratchet Locking Mechanism between the Rings Permits to apply Different Levels of Clamping Pressure

(1) Micro-Halsted Forceps, L125mm, 마이크로-할스테드 포셉

∗ 작은 섬유조직을 잡을 때 유용 ∗ Very Delicate model
∗ Used to Clamp Small Blood Vessels and Hold Tissue

<M1>

		Ea. Price,₩
HA.HSE016.12	Forceps, SS, Micro-Halsted, Straight, L125mm	48,800
HA.HSE017.12	, Curved, L125mm	50,400

(2) Halsted-Mosquito Forceps, L120mm, 할스테드-모스키토 포셉

∗ 작은 섬유조직을 잡을 때 유용
∗ Used to Clamp Small Blood Vessels and Hold Tissue

		Ea. Price,₩
HA.HSE022.12	Forceps, SS, Halsted-Mosquito, Straight, L120mm	44,820
HA.HSE023.12	, Curved, L120mm	46,640

(3) Kelly Forceps, L140mm, 켈리 포셉

∗ 비교적 큰 조직을 잡을 때 유용
∗ Used to Clamp Blood Vessels and Hold Heavy Tissue

		Ea. Price,₩
HA.HSE044.14	Forceps, SS, Kelly, Straight, L140mm	52,750
HA.HSE045.14	, Curved, L140mm	53,850

(4) Crile Forceps, L140mm, 크라일 포셉

∗ 비교적 큰 조직을 잡을 때 유용
∗ Used to Clamp Blood Vessels and Hold Heavy Tissue

		Ea. Price,₩
HA.HSE048.14	Forceps, SS, Crile, Straight, L140mm	52,400
HA.HSE049.14	, Curved, L140mm	53,850

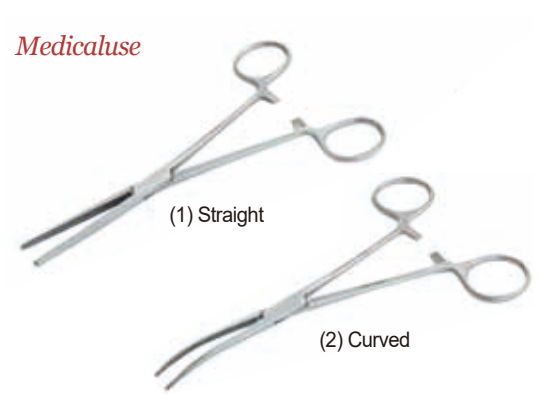
(5) Tissue Kocher Forceps, with Clip Tip 1:2, L160mm, 코카 포셉

∗ 비교적 크고 단단한 조직을 잡을 때 유용
∗ Used to Clamp Large Blood Vessels and Hold Heavy Tissue

		Ea. Price,₩
HA.HSE088.16	Tissue Forceps, SS, Kocher, Straight, with Clip Tip 1:2, L160mm	63,970

Hammacher® Premium *Pean* Hemostatic Forceps/Tubing Clamp, with Serrated Head, L130~200mm, *Medicaluse*

(1) Straight-type and (2) Curved-type, Stainless-steel, <Germany-Made> **프리미엄 *페안* 지혈 겸자 포셉 및 튜빙 클램프 겸용, 독일제 의료용 & 랩 겸용, 비부식**



- ***Germany-made 프리미엄급; 비부식, 고강도, 고경도, 내약품성***
- ***용도 : 조직이나 혈관을 잡거나 조작, 압박, 절단, 결합, 또는 호스나 튜브를 고정시켜 기밀을 유지***
- ***Stainless-steel 410 : Rust-proof, High-Strength/Hardness, Chemical Resistance***

∗ Used to Clamp Blood Vessel and Hold Tissue or Control the Flow of Liquids or Gases Through Flexible Tubing

<M1>

		Ea. Price, ₩
HA.HSE062.13	(1) Forceps, SS, Pean, Serrated, Straight, L130mm	63,600
HA.HSE064.14	, L140mm	65,230
HA.HSE066.16	, L160mm	84,020
HA.HSE070.18	, L180mm	94,830
HA.HSE072.20	, L200mm	102,040
HA.HSE063.13	(2) Forceps, SS, Pean, Serrated, Curved, L130mm	66,500
HA.HSE065.14	, L140mm	68,100
HA.HSE067.16	, L160mm	86,350
HA.HSE069.18	, L180mm	97,550
HA.HSE071.20	, L200mm	105,490

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description

Allis Tissue Forceps, with Sharp Teethed Jaws, L150 & 200mm, *Medicaluse*

For Heavy Tissue, Stainless-steel 410, **엘리스 티슈 포셉/겸자, 의료용, 비부식**

Medicaluse



- ***Stainless-steel 410 : 비부식, 고강도, 고경도, 내약품성***
- ***수술 시 인체 조직/근막을 붙잡거나 다른 의료 기구를 단단히 고정할 때 사용***
- ***피부나 내장 장기에 사용하면 손상이 있을 수 있음***
- ***Stainless-steel 410 : Rust-proof, High-Strength/Hardness, Chemical Resistance***

∗ Used to Hold or Grasp Heavy Tissue

〈M1〉

		Ea. Price, ₩
DM.For7040	Tissue Forceps, Stainless-steel, Allis, 4×5 Tips, L150mm	25,040
DM.For7041	, 5×6 Tips, L150mm	25,040
DM.For7042	, L200mm	28,050

Bobcock Intestinal/Tissue Forceps, with Smooth- & Wide 11mm-Jaws, L180mm, *Medicaluse*

For Delicate Tissue, Stainless-steel 410, **밥콕 맹장/티슈 포셉/겸자, 의료용, 비부식**

Medicaluse



- ***Stainless-steel 410 : 비부식, 고강도, 고경도, 내약품성***
- ***수술 시 인체 내장 장기를 잡을 때 사용***
- ***Stainless-steel 410 : Rust-proof, High-Strength/Hardness, Chemical Resistance***

∗ For Grasping Delicate Tissue

∗ Commonly Used in Laparotomy and Intestinal Processes

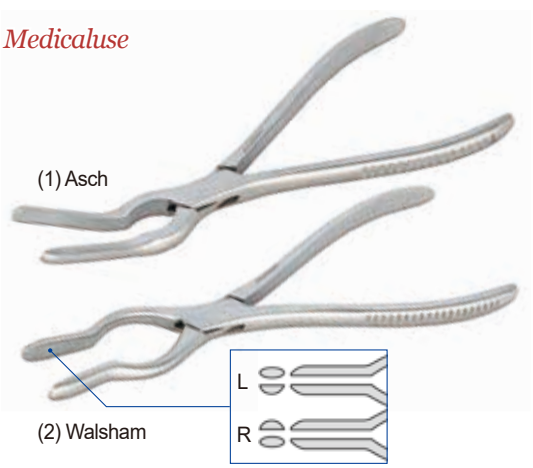
〈M1〉

		Ea. Price, ₩
DM.For7045	Intestinal/Tissue Forceps, SS, Bobcock, Jaws-w11×72mm, L180mm	22,070

Asch & *Walsham* Septum Straightening Forceps, with Long Grip Handle, L235mm, *Medicaluse*

For Rhinology Surgery, Stainless-steel 410, ***애쉬* & *월샴* 셉텀 포셉/겸자, 의료용, 비부식**

Medicaluse



- ***Stainless-steel 410 : 비부식, 고강도, 고경도, 내약품성***
- ***이비인후과에서 사용하며 코뼈 혹은 비중격 골절을 바로잡는 데에 사용***
- ***Stainless-steel 410 : Rust-proof, High-Strength/Hardness, Chemical Resistance***

(1) Asch Forceps, with Angled Jaws, L235mm

∗ Used to Elevate and Straighten the Septum

〈M1〉

		Ea. Price, ₩
DM.For7050	Septum Forceps, Stainless-steel, Asch, L235mm	55,090

(2) Walsham Forceps, with 1-Side Concave Jaw, L235mm

∗ Used to Refracture and Realign the Nasal Bones

∗ One Nasal Jaw is placed Externally while the Other Jaw goes into the Nose and Support the Nasal Bone

∗ Available for the Left & Right Nasal Wall

		Ea. Price, ₩
DM.For7051	Septum Forceps, Stainless-steel, Walsham, Left, L235mm	45,080
DM.For7052	, Right, L235mm	45,080

Backhaus Towel Forceps, with Sharp Jaws, L90~130mm, *Medicaluse*

For Holding Drape · Towel, Curved-type, Stainless-steel 410, ***백 하우스* 타월 포셉, 의료용, 비부식**

Medicaluse



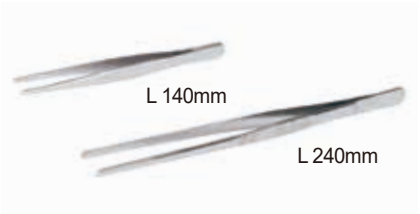
- ***Stainless-steel 410 : 비부식, 고강도, 고경도, 내약품성***
- ***타월 또는 수술포를 피부에 고정하거나 집을 때 사용***
- ***Stainless-steel 410 : Rust-proof, High-Strength/Hardness, Chemical Resistance***

∗ Use to Statically Hold Surgical Drapes to the Patient's Skin, in order to define the Margins of the Operating Site

〈M1〉

		Ea. Price, ₩
DM.For7059	Towel Forceps, Stainless-steel, Curved, L90mm	10,440
DM.For7060	, L105mm	10,640
DM.For7061	, L130mm	10,830

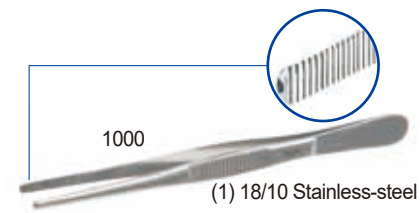
Articles	Cat. No	Description



SciLab® Educational Forceps, Chrome-steel, L140~300mm
With Blunt & Ridged-tip, <Korea-Made> 교육용 기본형 포셉

〈L1〉

		Ea.	Price, ₩
SL.For7015	Forceps, Straight, Blunt / Ridged Tip, Stainless-steel, L140mm		1,290
SL.For7016	, L160mm		1,530
SL.For7017	, L200mm		1,700
SL.For7018	, L240mm		2,150
SL.For7019	, L300mm		2,530







Blunt & Ridged-Types ; (1), (2), (3)

Bochem® Forceps, High Grade Stainless-steel · PTFE-coated · Titan, L105~300mm
With Blunt & Ridged Tip, 스텐 · PTFE코팅 · 티타늄-포셉/핀셋, 비자성/비부식

- ***Supplied by Bochem® in Germany***
- ***High Grade Stainless-steel of 18/10 Cr-Ni; Non-magnetic, Rust-free, High Chemical Resist, MP-1400℃***
- ***Teflon PTFE ; Anti-Acid / Alkally / Corrosion / Chemicals, MP-260℃***
- ***Fine Titan ; MP-1,688℃, Anti-Acid / Alkally / Chemicals / Corrosion, and Best Thermal Stability.***

〈L1〉

(1) With Blunt-tip, High Grade Stainless-steel Forceps

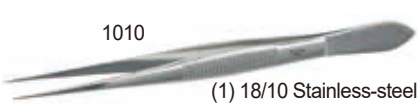
		Ea.	Price, ₩
BC.1000	Stainless-steel-Forceps, Blunt / Ridged Tip, L105mm		8,880
BC.1001	, L115mm		9,200
BC.1002	, L130mm		10,180
BC.1003	, L145mm		10,700
BC.1004	, L160mm		11,030
BC.1005	, L200mm		18,900
BC.1006	, L250mm		20,050
BC.1007	, L300mm		22,690

(2) PTFE-coated Forceps, With Blunt-tip

		Ea.	Price, ₩
BC.1800	PTFE-coated Forceps, Blunt / Ridged Tip, L115mm		66,920
BC.1801	, L130mm		66,920
BC.1802	, L145mm		68,670

(3) Titanium Forceps, With Blunt-tip, 1,668℃, Blue-color Anodized

		Ea.	Price, ₩
BC.1900	Titan Forceps, 1668, Blunt / Ridged, L115mm		167,570







Sharp & Ridged-Types ; (1), (2), (3)

Bochem® Forceps, High Grade Stainless-steel · PTFE-coated · Titan, L105~200mm
With Sharp & Ridged Tip, 스텐 · PTFE코팅 · 티타늄-포셉/핀셋, 비자성/비부식

- ***Supplied by Bochem® in Germany***
- ***High Grade Stainless-steel of 18/10 Cr-Ni; Non-magnetic, Rust-free, High Chemical Resist, MP-1400℃***
- ***Teflon PTFE : Anti-Acid / Alkally / Corrosion / Chemicals, MP-260℃***
- ***Fine Titan : MP-1,688℃, Anti-Acid / Alkally / Chemicals / Corrosion, and Best Thermal Stability.***

〈L1〉

(1) With Sharp-tip, High Grade Stainless-steel Forceps

		Ea.	Price, ₩
BC.1010	Stainless-steel Forceps, Sharp / Ridged, L105mm		10,180
BC.1011	, L115mm		10,390
BC.1012	, L130mm		11,030
BC.1013	, L145mm		11,930
BC.1014	, L160mm		14,540
BC.1015	, L200mm		19,790

(2) PTFE-coated Forceps, With Sharp-tip, with Guide-Pin

		Ea.	Price, ₩
BC.1810	PTFE-coated Forceps, Sharp / Ridged, L115mm		66,920
BC.1811	, L130mm		66,920
BC.1812	, L145mm		68,670

(3) Titanium Forceps, With Sharp-tip, 1,668℃, Blue-color Anodized

		Ea.	Price, ₩
BC.1910	Titan Forceps, Sharp / Ridged, L115mm		105,920



Bent · Sharp · Ridged-Types
18/10 Stainless-steel : L105~200mm

Bochem® "Bent & Sharp" Forceps, High Grade Stainless-steel, L105~200mm
With Bent · Sharp · Ridged-Tip, Non-magnetic, Rust-free, 곡형 스텐 포셉, 비자성/비부식

- ***Supplied by Bochem® in Germany***
- ***High Grade Stainless-steel of 18/10 Cr-Ni; Non-magnetic, Rust-free, High Chemical Resist.***

〈L1〉

		Ea.	Price, ₩
BC.1019	Bent Stainless-steel Forceps, Sharp / Ridged, L105mm		11,350
BC.1020	, L115mm		11,680
BC.1021	, L130mm		12,100
BC.1022	, L145mm		12,430
BC.1023	, L160mm		15,000
BC.1024	, L200mm		20,540

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description


(1)

Forceps, High Grade Stainless-steel, with Ridges, Straight- & Curved-type, L105~300mm
With Blunt- & Sharp-Tip, 스텐레스 포셉/핀셋, 비자성/비부식

■ ***Supplied by SciLab Korea***
■ ***High Grade Stainless-steel of 18/10 Cr-Ni; Non-magnetic, Rust-free, High Chemical Resist.***


(2)


(3)

〈L1〉

(1) with Straight, Blunt tip

		Ea. Price,₩
SL.For7021	Forceps, SS, L105mm	3,780
SL.For7022	, L115mm	4,450
SL.For7023	, L130mm	4,970
SL.For7024	, L145mm	5,670
SL.For7025	, L160mm	6,200
SL.For7026	, L200mm	6,850
SL.For7027	, L250mm	9,430
SL.For7028	, L300mm	13,430

(2) with Straight, Sharp tip

		Ea. Price,₩
SL.For7031	Forceps, SS, L105mm	3,780
SL.For7032	, L115mm	4,450
SL.For7033	, L130mm	4,970
SL.For7034	, L145mm	5,670
SL.For7035	, L160mm	6,200
SL.For7036	, L200mm	6,850

(3) with Curved, Sharp tip, L105~200mm

		Ea. Price,₩
SL.For7041	Forceps, SS, Curved, Sharp Tip, L105mm	3,780
SL.For7042	, L115mm	4,450
SL.For7043	, L130mm	4,970
SL.For7044	, L145mm	5,670
SL.For7045	, L160mm	6,200
SL.For7046	, L200mm	6,850


(1)

Guide Pin-type Forceps, High Grade Stainless-steel, with Straight- & Curved-type
With Sharp & Ridged-Tip, L105~200mm, 가이드핀 부 스텐레스 포셉/핀셋, 비자성/비부식

■ ***Supplied by SciLab Korea***
■ ***High Grade Stainless-steel of 18/10 Cr-Ni; Non-magnetic, Rust-free, High Chemical Resist.***


(2)

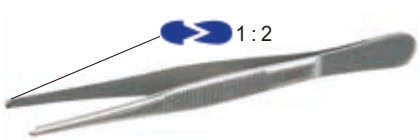
〈L1〉

(1) Straight-type, with Guide Pin

		Ea. Price,₩
SL.For7051	Forceps, SS, L105mm	3,780
SL.For7052	, L115mm	4,450
SL.For7053	, L130mm	4,970
SL.For7054	, L145mm	5,670
SL.For7055	, L160mm	6,200
SL.For7056	, L200mm	6,850

(2) Curved-type, with Guide Pin

		Ea. Price,₩
SL.For7061	Forceps, SS, L105mm	3,780
SL.For7062	, L115mm	4,450
SL.For7063	, L130mm	4,970
SL.For7064	, L145mm	5,670
SL.For7065	, L160mm	6,200
SL.For7066	, L200mm	6,850



Clip-Tip/Tissue Forceps

Tissue Forceps, with Clip Tip 1:2, L115~160mm
Stainless-steel #430, Finished Surface, 스텐티슈 포셉, 1:2 크립 팁

■ ***Supplied by SciLab Korea***

〈L1〉

		Ea.	Price, ₩
SL.For7071	Forceps, Tissue, Clip Tip 1:2, SS, L115mm		4,880
SL.For7072	, L130mm		5,400
SL.For7073	, L145mm		5,940


(1)
(2)
(3)
(4)

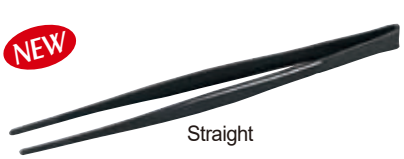
Watchmaker Fine-tip Forceps, High Grade Stainless-steel, L105 & 120mm
With Straight- · Curved- · Self-closing type, Non-magnetic, 스텐레스 정밀팁 포셉/핀셋, 비자성/비부식

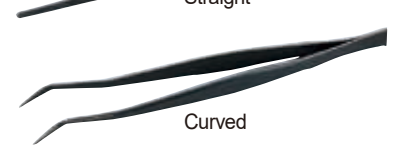
■ ***Supplied by SciLab Korea***
■ ***High Grade Stainless-steel of 18/10 Cr-Ni; 비자성, 비부식, 내약품성 우수***
; Non-magnetic, Rust-free, Excellent Resistance to Acid / Chemicals / Heat

〈L1〉

			Ea.	Price, ₩
SL.For7076	(1)	Watchmaker Forceps, SS, Straight, L105mm		7,550
SL.For7077	(2)	, Curved, L105mm		7,550
SL.For7078	(3)	, Self-closing, Straight, L120mm		8,620
SL.For7079	(4)	, Curved, L120mm		8,620

NEW


Straight


Curved

Premium PFA Coated Stainless-steel Tweezers, Straight- & Curve-type
Chemical Resistance, SS410, PFA 코팅트위저/핀셋, 내약품성용

■ ***재질; 본체-스텐인리스, 표면-테프론 코팅*** ■ ***PFA Resin −200℃ +260℃***

〈L2〉

		Ea.	Price, ₩
SL.For4011	Tweezers, Straight, L150mm		33,850
SL.For4012	, L180mm		37,790
SL.For4013	, L210mm		44,980
SL.For4014	, L240mm		66,890
SL.For4016	, Curved , L150mm		34,290

Articles	Cat. No	Description

Hammacher® Premium Laboratory Forceps, Wironit™ Special Non-magnetic/Rust-free Stainless-steel, L120 & 160mm

With Sharp-Tip, Sterilizable, Highest Elasticity and Toughness, <Germany-Made> 프리미엄 실험실용 포셉/핀셋, 독일제, 비자성/비부식 특수스텐



- ***Germany-made 프리미엄급; 비자성, 비부식, 내산성 / 내약품성 / 내열성 우수***
- ***Wironit™ Special Stainless-steel of 18/12 Cr-Ni***
  ; Non-magnetic, Rust-free, Excellent Resistance to Acid / Chemicals / Heat

〈L1〉

		Ea.	Price, ₩
HA.HWC131.12	Laboratory Forceps, Premium, Sharp, L120mm		43,840
HA.HWC133.16	, L160mm		46,800

Hammacher® Premium Light Forceps, Wironit™ Special Non-magnetic/Rust-free Stainless-steel, L100mm

For Handling Delicate Materials, Highest Elasticity and Toughness, <Germany-Made> 프리미엄 라이트 포셉/핀셋, 독일제, 비자성/비부식 특수스텐



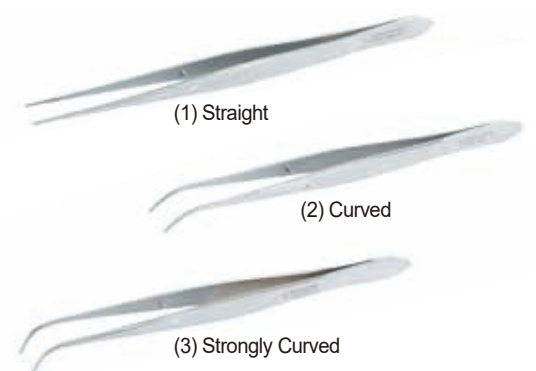
- ***Germany-made 프리미엄급; 비자성, 비부식, 내산성 / 내약품성 / 내열성 우수***
- ***섬세하고 예민한 재료를 핸들링 하는데 적합***
- ***Wironit™ Special Stainless-steel of 18/12 Cr-Ni***
  ; Non-magnetic, Rust-free, Excellent Resistance to Acid / Chemicals / Heat
- ***Used for Handling Delicate Material Such as Watch Spring, Mosquito Larvae, Insect Genitalia etc.***

〈L1〉

		Ea.	Price, ₩
HA.HWC116.10	(1) Light Forceps, Blunt End, Sheet-Steel, L100mm		43,030
HA.HWC118.10	(2) , Sharp End, Sheet-Steel, L100mm		46,970

Hammacher® Premium Microscopic Forceps, Rustproof Stainless-steel, with Pin, L105~145mm

(1) Straight-type, (2) Curved-type and (3) Strongly Curved-type, with Ridges, <Germany-Made> 프리미엄 마이크로스코픽 포셉/핀셋, 독일제, 비부식



- ***Germany-made 프리미엄급; 비부식, 내산성 / 내약품성 / 내열성 우수***
- ***Rustproof Stainless-steel of 18/8 Cr-Ni***
  ; Rust-proof, Excellent Resistance to Acid / Chemicals / Heat

〈L1〉

(1) Straight-type, L105~145mm

		Ea.	Price, ₩
HA.HSC550.10	Microscopic Forceps, Straight, with Pin, L105mm		40,240
HA.HSC552.11	, L115mm		41,230
HA.HSC554.13	, L130mm		41,540
HA.HSC556.14	, L145mm		42,530

(2) Curved-type, L105~145mm

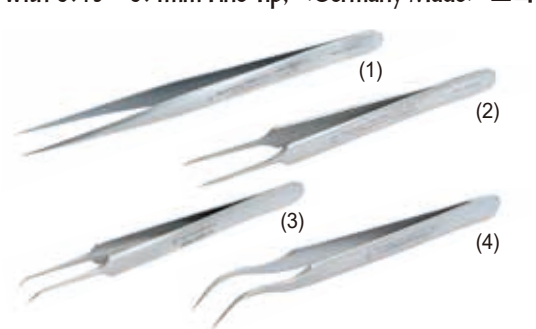
		Ea.	Price, ₩
HA.HSC551.10	Microscopic Forceps, Curved, with Pin, L105mm		41,720
HA.HSC553.11	, L115mm		42,870
HA.HSC555.13	, L130mm		43,030
HA.HSC557.14	, L145mm		43,530

(3) Strongly Curved-type, L105~140mm

		Ea.	Price, ₩
HA.HSC559.10	Microscopic Forceps, Strongly Curved, with Pin, L105mm		42,870
HA.HSC561.11	, L115mm		43,840
HA.HSC563.13	, L130mm		44,840
HA.HSC565.14	, L140mm		46,800

Hammacher® Premium Micro Forceps, Rustproof Stainless-steel, L110 & 115mm

With 0.15~0.4mm Fine Tip, <Germany-Made> 프리미엄 마이크로 포셉/핀셋, 독일제, 비부식



- ***Germany-made 프리미엄급; 비부식, 내산성 / 내약품성 / 내열성 우수***
- ***Rustproof Stainless-steel of 18/8 Cr-Ni***
  ; Rust-proof, Excellent Resistance to Acid / Chemicals / Heat

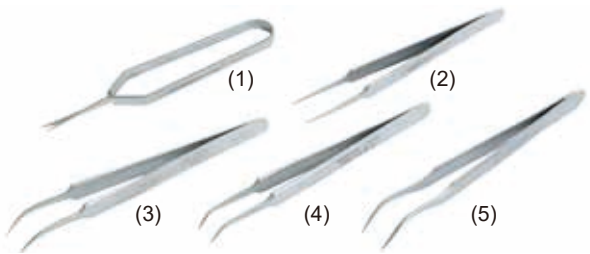
〈L1〉

		Ea.	Price, ₩
HA.HSC600.11	(1) Micro Forceps, Straight, 0.3mm Tip, L115mm		52,390
HA.HSC602.11	(2) , Fine Sharp, 0.4mm Tip, L110mm		50,740
HA.HSC604.11	, 0.15mm Tip, L110mm		67,170
HA.HSC601.11	(3) Micro Forceps, Laterally Angled, Fine Sharp, 0.3mm Tip, L110mm		57,300
HA.HSC603.11	(4) Micro Forceps, Curved, Fine Sharp, 0.2mm Tip, L110mm		64,690

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description

Hammacher® Premium Delicate Micro Forceps, Wironit™ Special Non-magnetic/Rust-free Stainless-steel, L105mm
With Φ0.15~0.2mm Ultra-Fine Tip, <Germany-Made> 프리미엄 초정밀 마이크로 포셉/핀셋, 독일제, 비자성/비부식 특수스텐

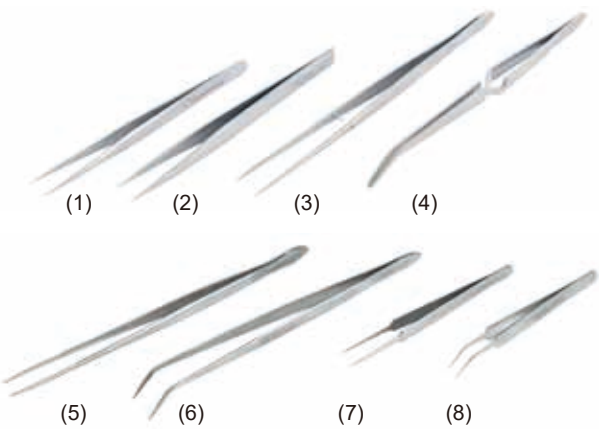


- ***Germany-made 프리미엄급; 비자성, 비부식, 내산성 / 내약품성 / 내열성 우수***
- ***전자산업, 정밀소재, 생명공학 및 의료실험실용***
- ***Wironit™ Special Stainless-steel of 18/12 Cr-Ni***
  ; Non-magnetic, Rust-free, Excellent Resistance to Acid / Chemicals / Heat

〈L1〉

		Ea. Price, ₩
HA.HWC088.10	(1) Micro Forceps, L105mm, with Cutting Tips	109,840
HA.HWC110.10	(2) , Straight, Fine Sharp Tips	53,040
HA.HWC111.10	(3) , Curved, Fine Sharp Tips	54,350
HA.HWC112.10	(4) , Angled, Fine Sharp Tips	56,490
HA.HWC115.10	(5) , Smooth Curved Tips	67,170

Hammacher® Premium TITANIUM Forceps/Tweezers, Non-magnetic, High Strength & Endurance, Particularly Light & Hygienic, L110~200mm
For Electronics · Lab · Clinical, Fine-tip, up to 1,800℃, <Germany-Made> 프리미엄 티타늄 트위저/포셉/핀셋, 독일제, 고강도 · 비자성 · 경량 티타늄



- ***Germany-made 프리미엄급; 비자성, 내열성, 강한 내부식성 및 고강도이며 Stainless-steel 재질보다 40% 가볍고 위생적임***
- ***Made of Titanium : Non-magnetic, High Acid Resistance, Non Shedding, Non Corrosive, Heat Resistance***

1. TITANIUM Soldering Tweezers, for Spot Precise Placement of the Solder

〈L1〉

		Ea. Price, ₩
HA.HTC050.12	(1) Soldering Tweezers, TITANIUM, Smooth Fine Tips, L120mm	56,830
HA.HTC052.13	(2) Soldering Tweezers, TITANIUM, Smooth Fine Tips, L130mm	57,140
HA.HTC054.16	(3) Soldering Tweezers, TITANIUM, Grooved Tips, L165mm	62,900
HA.HTC057.16	(4) Soldering Tweezers, TITANIUM, Cross Action, Curved, L165mm	87,370

2. TITANIUM General Use Forceps, Simple Type

		Ea. Price, ₩
HA.HTC084.20	(5) Forceps, Sharp & Ridged-Tip, Straight, L200mm	70,290
HA.HTC085.20	(6) , Curved, L200mm	73,080

3. TITANIUM Dissecting Tweezers, Simple Type

		Ea. Price, ₩
HA.HTC090.11	(7) Dissecting Tweezers, Fine Tips, Straight, L110mm	34,150
HA.HTC091.10	(8) , Curved, L110mm	35,800

, Specialty 포셉


Sheet Forceps, Self-Closing

Self-Closing Cover Glass Forceps, Curved, Tip-wide 6mm, L105mm
Ideal for Sheet, Stainless-steel 430, Finished Surface, Sheet용 셀프크로스 포셉/핀셋

- ***Supplied by SciLab Korea***

∗ Made of Stainless-steel #430, Finished Surface ∗ Ideal for Sheet, with 6mm Tip-wide
∗ Self-Closing : "Push-Open" and "Off-Close"

〈L1〉

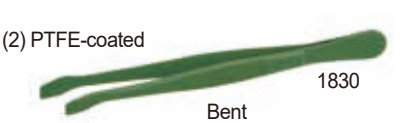
		Ea. Price, ₩
SL.For7081	Self-Closing Forceps, SS, Tip-wide 6mm, L105mm	5,670

(1) Stainless-steel "Classic"


Straight "7083"

Bent "7084"

(2) PTFE-coated


1830
Bent

Cover Glass Forceps, High Grade Stainless-steel & PTFE-coated, L105mm
With Straight & Bent-Types, 6mm Tip-wide, 커버글라스 포셉/핀셋, 비자성/비부식

- ***특급 스텐 (18/10 크롬 · 니켈) 제품 ; 비자성, 비부식, 내산성 / 내약품성 / 내열성-우수***
- ***High Grade Stainless-steel of 18/10 Chrome-Nickel ; Non-magnetic, Rust-free, Excellent Resistance to Acid / Chemicals / Heat***
- ***Teflon PTFE : Anti-Acid / Alkally / Chemicals / Corrosion, MP 260℃***

∗ Overall Length L105mm, Tip-wide 6mm

(1) Classic Model Forceps

- ***Supplied by SciLab Korea***

〈L1〉

		Ea. Price, ₩
SL.For7083	Forceps, for Cover Glass, SS, L105mm, Straight	5,670
SL.For7084	, L105mm, Bent	5,670

(2) Bochem® PTFE-coated Cover Glass Forceps, Bent, <Germany-Made>

		Ea. Price, ₩
BC.1830	Cover Glass Forceps, PTFE-coated, L105mm, Bent	70,180

Articles	Cat. No	Description



Filter-paper Forceps

Filter-paper Forceps, High Grade Stainless-steel, Tip-wide 12mm, L125mm
Ideal for Filter-paper, Finished Surface, **필터페이퍼 포셉/핀셋, 비자성/비부식**

■ ***Supplied by SciLab Korea***
■ ***특급 스텐 (18/10 크롬·니켈) 제품 ; 비자성, 비부식, 내산성 / 내약품성 / 내열성-우수***
■ ***High Grade Stainless-steel of 18/10 Chrome-Nickel; Non-magnetic, Rust-free, Excellent Resistance to Acid / Chemicals / Heat***

〈L1〉

		Ea.	Price, ₩
SL.For7087	Filter-paper Forceps, SS, L125mm, Tip Wide 12mm		5,670



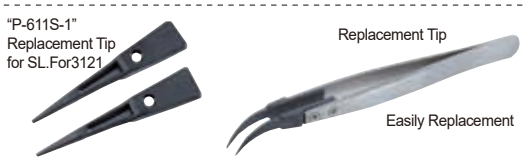
Weighing Forceps, High Grade Stainless-steel, with Plastic Tip L100mm
Ideal for Handling Precision Weight, Non-Magnetic, Finished Surface, **웨잉 포셉/핀셋, 비자성/비부식**

■ ***Supplied by SciLab Korea***
■ ***특급 스텐(18/10 크롬·니켈) 제품 ; 비자성, 비부식, 내산성 / 내약품성 / 내열성-우수***
■ ***High Grade Stainless-steel of 18/10 Cr-Ni; Non-magnetic, Rust-free, Excellent Resistance to Acid / Chemicals / Heat***

〈L1〉

		Ea.	Price, ₩
SL.For7089	Forceps, Weighing, Plastic Grip Tip, SS, L100mm		5,670



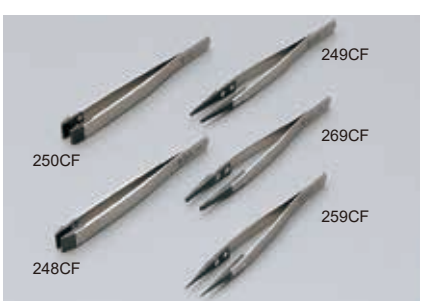


Anti-static Tweezers, with PPS Fine-tip, 정전기 방지 트위저

■ ***재질; 본체-스테인리스, 팁-PEEK(카본함유)*** ■ ***내열 온도 : 270℃~315℃***
∗ SL.For3121~33 : Designed to keep Tips closed even when Squeeze the Handle Strongly. Easily Holds even Ultrasmall Parts and Thin Sheets
∗ SL.For3124~26 : PPS having Excellent Wear Resistance

〈L2〉

		Ea.	Price, ₩
SL.For3121	"P-641-S", **Tweezers,** L125mm, PPS tip-0.4mm		30,770
SL.For3122	"P-640-S", , L125mm, -1.2mm		30,770
SL.For3123	"P-643-S", , L121mm, -2.4mm		30,770
SL.For3124	"PTZ-41", , L130mm, -0.5mm		27,570
SL.For3125	"PTZ-42", , L125mm, -0.9mm		27,570
SL.For3126	"PTZ-43", , L130mm, -0.6mm		26,280
		Pair.	**Price, ₩**
SL.For3135	"P-610S-1", **Replacement Tip** for - "P-640-S"	1pair	13,570
SL.For3136	"P-613S-1", - "P-643-S"	1pair	13,570
SL.For3130	"PTZ-91", - "PTZ-41"	1pair	6,640
SL.For3131	"PTZ-92", - "PTZ-42"	1pair	6,640
SL.For3132	"PTZ-93", - "PTZ-43"	1pair	6,640

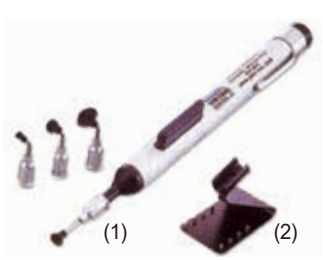


Fibertip Tweezer, Non-Magnetic Steel, 130/190℃ Stable, 카본 하이버 팁 트위저

■ ***Supplied by LMS® in Japan*** ∗ Non-Magnetic Steel ∗ Tip : Carbon
∗ Heat Resistant Temperratuer : 190℃(instant), 130℃(constant)

〈L2〉

		Ea.	Price, ₩
SL.For8021	"249CF", Tweezer, Fibertip, 2×130mm		67,730
SL.For8022	"259CF", , 0.75×130mm		70,750
SL.For8023	"269CF", , 3×130mm		70,750
SL.For8024	"248CF", , 10×125mm		99,370
SL.For8025	"250CF", , 10×125mm		94,100



Pocket Vacuum Tweezers, with 4Tips, Pen-type, 진공 트위저

■ ***진공 트위저*** ■ ***흡착력 20g*** ■ ***재질; 본체-알루미늄, 팁-실리콘 모두*** ■ ***Pick-up Capability : 20g(with use of 9.53mm)***
∗ Material : Body / Aluminum, Tip pad / Conductive Silicone ∗ With Pocket Clip for Easy Transportation
∗ The Pad Can be Directly Attached to the Tweezers.
∗ with 4×Tip: Bent Type for Φ3.18mm, Φ6.35mm, Φ9.53mm×1, Straight Type for Φ6.35mm×1

〈L2〉

		Ea.	Price, ₩
SL.For3141	(1) "V8901-A-ESD" Vacuum Tweezers, Body+4Tips, Body Size : Φ13×146mm		183,780
SL.For3142	(2) "VBM-3T" Tweezers Stand		201,700

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



White PMP Forceps

VITLAB® White Forceps, PMP, L115 & 145mm
Fine-tip, 0℃~150/180℃, <Germany-Made> PMP 백색 핀셋

∗ Made of Polymenthylpentene(PMP)

〈L1〉

		Ea. Price,₩	Cs.	Price, ₩
VI.678.95	Forceps, White PMP, Edgy End, L115 mm	2,430	10ea	23,450
VI.679.95	, L145 mm	2,930	10ea	28,290



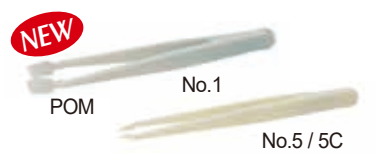
Yellow POM Forceps

VITLAB® Yellow Forceps, POM, Blunt-tip, L115~250mm, −40℃+90/110℃
With Grooves on Outside for Easy Grip, <Germany-Made> POM 황색 핀셋

∗ Made of Polyoxymethylene(POM)

〈L1〉

		Ea. Price,₩	Cs.	Price, ₩
VI.680.99	Forceps, Yellow POM, Strong End, L115 mm	2,470	5ea	11,900
VI.681.99	, L145 mm	2,890	5ea	13,980
VI.682.99	, L180 mm	5,380	5ea	26,040
VI.683.99	, L250 mm	8,540	5ea	41,380



Plastic Tweezers, POM, Length 114mm
Heat Resistance at −40℃+90/110℃, 플라스틱 트위저

〈L2〉

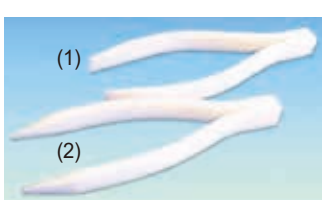
			Ea.	Price, ₩
SL.For3051	"No.1"	Tweezers, Plastic(POM), L114×w11mm		12,870
SL.For3052	"No.5"	, Fine(POM) , L114×w11mm		10,350
SL.For3053	"No.5C"	, Fine(POM) , L114×w11mm, Clear-type		16,450



Plastic Tweezers, PP, Length 120mm, Heat Resistance at −10℃+125/140℃
Made of Reinforced Polypropylene(PP), 플라스틱 트위저/핀셋

〈L2〉

		Ea. Price,₩	Pk.	Price, ₩
SL.For3063	Tweezers, Plastic, White, L120mm	1,940	11ea	19,440



PTFE, Fine Type

Cowie® PTFE Tweezers, Rigid- & Fine-type, Autoclavable, L100~200mm
Ideal for Electronic & Materials Science and Engineering, −200℃+280℃, <UK-Made> PTFE 트위저/핀셋

∗ Tweezers are Inert and Non-contaminating

〈L1〉

(1) Fine-Sharp End		Ea. Price,₩
CW.027.0101	Tweezers, PTFE, L100mm	19,190
CW.027.0151	, L150mm	23,540
CW.027.0201	, L200mm	30,780

(2) Fine-Square End		Ea. Price,₩
CW.027.0100	Tweezers, PTFE, L100mm	15,600
CW.027.0150	, L150mm	19,580
CW.027.0200	, L200mm	26,840



Anti-static Wood Bamboo Tweezers, Length150mm, 정전기 방지용 대나무 트위저

■ *재질 : 대나무* ■ *광학유리 제품이나 흡집나기 쉬운 부품 사용에 적합*

∗ It is Suitable for the Pickup of the Parts to which Optical Glass Products

〈L2〉

		Ea.	Price, ₩
SL.For9091	Tweezers, Anti-static, L150mm, 5g, 10^{11}~$10^{12}\Omega$		11,950



Forceps & Pliers Stand, Stainless-steel, Rust-free, L200×h175mm, 포셉·플라이어 스탠드

■ ***Made in Korea***

■ ***Rustproof Stainless-steel; Rust-proof, Excellent Resistance to Acid / Chemicals / Heat***

∗ Light Weight and Easy to Store

〈L1〉

		Ea.	Price, ₩
SL.Sta7061	Stand for Forceps & Pliers, Stainless-steel, 200×h175mm		12,000

DAIHAN Scientific

Freeze Dry System
"FRD"

Lab Scale Bench-top

Freeze Dryer

Patented Jog-Dial & Touch-Button Control

Compact-size Lab Scale Bench-top Type

Fastest Freezing Time



Ergonomic & Compact Body

- Lab Scale, Bench-top Type Model
- Compact size for all laboratory table
- Ergonomic Design

Company	DAIHAN	Competitor
Chamber Capacity	8 Lit	8 Lit
External Dimension (mm)	460×620×h520	500×646×h976

Various Accessories

- Used with 12-port Manifold or Various Dry Chambers, Various Size Flasks, Flask Top, Vacuum Valve, Vacuum Pumps, Table Cart, etc.



12-port T-type Manifold





Various Dry Chambers

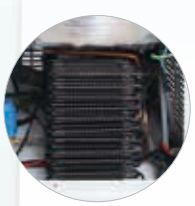
Intuitive User Interface

- Patented Jog-Dial Controller(Turn and Push)
- Capacitive Touch Button for user convenience
- Precise control by microprocessor
- Digital Back-Light LCD



Fastest Freezing System

- DAIHAN Freezing System realizes Quick Freezing and Quick Defrosting Function



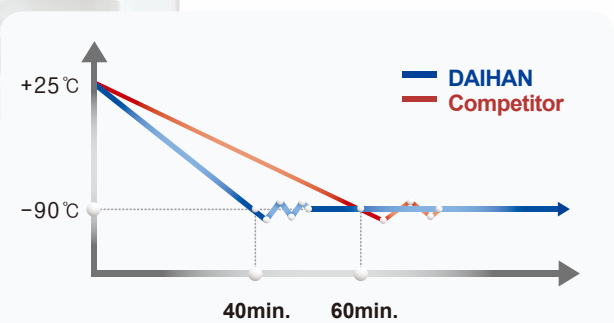


Freezing System

Others

- High Sublimation Rate : 3 & 6 Lit / day
- Manual Defrost Function : Hot Gas Defrost Function for quick next cycle turn-around
- Automatic or Manual Process Control
- Control Temp, Vacuum and Timer at Automatic Mode
- LED Indication Light On in case of suitable Temp and Vacuum
- Can be Used with Various Accessories

Freezing speed comparison with Competing Product



DAIHAN® 3 & 6Lit/day Freeze Dry System "FRD", Lab Scale Benchtop-type, Automatic & Manual Process, −90℃

Various Optional Acc.; T-type Manifold, Round · Square · Stoppering-Acrylic Dry Chamber & Stainless steel Dry Chamber

실험실용 동결 건조기, 컴팩트 바디 사이즈, 터치식 컨트롤러



Ⅰ. 3Lit/day Freeze Dryer "FRD-8"

※*The Figure; Installantion of Optional 12-port T-type Manifold and 12 Vacuum Handle Valve*



Ⅱ. 6Lit/day Freeze Dryer "FRD-16"

※*The Figure; Installantion of Optional Large Volume Square-type Acrylic Dry Chamber*



(1) 12-port T-type Manifold with 12 Silicone Stoppers



(2)-ⓐⓑ 8-port Round-type Acrylic Dry Chamber

(2)-ⓒⓓ 3-stage SS Shelf

- ***Supplied by DAIHAN Korea***
- ***Patented Jog-Dial & Touch Button Control System***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
- ***PL (Product Liability) Insurance***
- ***Ideal for a Wide Range of Applications Including Pharmaceutical, Biological, Food Industry, Petrochemical and Semiconductor Industry, etc.***
- ***Various Optional Accessories;***
  - (1) T-type Manifold with 12-port
  - (2) Round-type Acrylic Dry Chamber with 8-port
  - (3) Large Volume Square-type Acrylic Dry Chamber
  - (4) Heated Stoppering Acrylic Dry Chamber
  - (5) Stainless-steel Dry Chamber with 12-port

∗ Ergonomic Design and Compact Body Size
∗ Allows Automatic or Manual Process Control
∗ Rapid Integrated Hot Gas Defrost Function for Quick Next Cycle Turn-around
∗ LCD Indicates Temp and Vacuum
∗ LED Indication Light On in Case of Suitable Temp and Vacuum
∗ Can be Controlled Temp and Timer at Automatic Mode
∗ Homogeneous Temp Distribution across all Shelves in Dry Chamber

Specifications & Ordering information

〈L1〉

Spec. \ Model		Ⅰ. "FRD-8"	Ⅱ. "FRD-16"
Sublimation Rate(Lit / day)		3Lit / day	6Lit / day
Chamber & Max Condenser Capa.		Chamber : 8 Lit, Condenser : 10 Lit	Chamber : 16 Lit, Condenser : 20 Lit
Set Temp Range		−90℃~−60℃	
Compressor & Defrost-type		1/2 HP, Manual	3/4 HP, Manual
Display		Digital LCD with Back-Light Function	
Material		Stainless-steel 304	
Dimension(w×d×h) & Weight		Exterior : 460×620×h520 mm, Condenser : Φ300×h150 mm, Net Weight : 55 kg	Exterior : 520×680×h600 mm, Condenser : Φ300×h300 mm, Net Weight : 60 kg
Electrical Reqts.		1 Phase, AC 120 V, 60 Hz or AC 230 V, 50 / 60 Hz	
Cat. No.	230V	DH.Frd00208	DH.Frd00216
	120V	DH.Frd00108	DH.Frd00116
Price, Each. ₩		7,429,000	8,340,000

*** Other Specifications are available upon Customer's Request.**

Optional Manifold & Dry Chamber

(1) 12-port T-type Manifold

		Ea. Price, ₩
DH.Frd01041	12-port T-type Manifold **"TMF08"**, for "FRD-8" with 12 Silicone Stoppers, for Connecting 3/4″ Vacuum Handle Valve	1,181,000
DH.Frd01042	12-port T-type Manifold **"TMF16"**, for "FRD-16" with 12 Silicone Stoppers, for Connecting 3/4″ Vacuum Handle Valve	1,298,000

(2) 8-port Round-type Acrylic Dry Chamber & 3-stage Shelf

		Ea. Price, ₩
DH.Frd01051	ⓐ 8-port Round-type Acrylic Dry Chamber **"ADC08"**, for "FRD-8" with 8 Silicone Stoppers, for Connecting 3/4″ Vacuum Handle Valve, Chamber Size : Int. Φ284×h390mm, Ext. Φ300×h463mm	1,898,000
DH.Frd01052	ⓑ 8-port Round-type Acrylic Dry Chamber **"ADC16"**, for "FRD-16" with 8 Silicone Stoppers, for Connecting 3/4″ Vacuum Handle Valve, Chamber Size : Int. Φ334×h390mm, Ext. Φ350×h453mm	2,130,000
DH.Frd01061	ⓒ 3-stage Stainless-steel(SS) Shelf **"SHF08"**, for "FRD-8" Φ259×11mm, Total h225mm	320,000
DH.Frd01062	ⓓ 3-stage Stainless-steel(SS) Shelf **"SHF16"**, for "FRD-16" Φ310×11mm, Total h225mm	320,000

<Continued On Next Page>

Articles	Cat. No	Description

<*Continued From...* DAIHAN® Freeze Dry System Lab Scale Benchtop-type "FRD">

<L1>



(3) Large Volume Square-type Acrylic Dry Chamber With 5-stage SS Shelf



ⓔ Analog Temp Controller

(4) Heated Stoppering Acrylic Dry Chamber with 2-stage SS Shelf



(5) 12-port SS Dry Chamber



(6) Vacuum Handle Valve



(7)
(8)
(9)

Tube Adapter for Connecting Flask Top



(10) Silicone Flask Top



(11) Glass Flask



(12) Vacuum Pump



(13) 2-stage Table Cart

(3) Large Volume Square-type Acrylic Dry Chamber with 5-stage Shelf

		Ea. Price, ₩
DH.Frd02100	Square-type Acrylic Dry Chamber **"SADC08"**, for "FRD-8" with 5-stage SS shelf ; 375×375×h25mm Chamber Size : Int. 380×410×h390mm, Ext. 510×480×h490mm	7,218,800
DH.Frd02101	Square-type Acrylic Dry Chamber **"SADC16"**, for "FRD-16" with 5-stage SS shelf ; 425×450×h25mm Chamber Size : Int. 435×485×h420mm, Ext. 555×540×h475mm	8,398,800

(4) Heated Stoppering Acrylic Dry Chamber, with Height Adjustable 2-stage Shelf and Analog Temp Controller Package-set

		Ea. Price, ₩
DH.Frd07001	Heated Stoppering Acrylic Dry Chamber **"HADC08"**, for "FRD-8" with Height Adjustable 2-stage Shelf ; Φ255×13mm, Total h278mm Chamber Size : Int. Φ284×h320mm, Ext. Φ300×h523mm	7,412,000
DH.Frd07002	Heated Stoppering Acrylic Dry Chamber **"HADC16"**, for "FRD-16" with Height Adjustable 2-stage Shelf ; Φ305×13mm, Total h278mm Chamber Size : Int. Φ334×h320mm, Ext. Φ350×h523mm,	8,588,000
DH.Frd09001	ⓔ Analog Temp Controller for Heated Stoppering Acrylic Dry Chamber, 230V, Temp Range 0℃~40℃	1,162,000

(5) Stainless-steel Dry Chamber & 3-stage Shelf

		Ea. Price, ₩
DH.Frd08001	8-port Stainless-steel Dry Chamber **"SDC08"**, for "FRD-8" Chamber Size : Int. Φ296×h350mm , Ext. Φ320×h370mm	1,968,000
DH.Frd08002	12-port Stainless-steel Dry Chamber **"SDC16"**, for "FRD-16" Chamber Size : Int. Φ346×h350mm , Ext. Φ370×h370mm	2,706,300
DH.Frd01061	ⓒ 3-stage Stainless-steel(SS) Shelf **"SHF08"**, for "FRD-8" Φ259×11mm, Total h225mm	320,000
DH.Frd01062	ⓓ 3-stage Stainless-steel(SS) Shelf **"SHF16"**, for "FRD-16" Φ310×11mm, Total h225mm	320,000

Optional Vacuum Handle Valve & Tube Adapter for Connecting Flask

		Ea. Price, ₩
DH.Frd03010	(6) 3/4″ Vacuum Handle Valve, Neoprene Rubber & PP, for Connecting Flask	11,300
DH.GL28091	(7) 3/4″ Glass Tube Adapter, Φ19/1.8t×L80mm for Connecting Middle & Large-size Flask Top	10,240
DH.GL28092	(8) 3/4″ Curved Glass Tube Adapter, Φ19/1.8t×L80mm, for Connecting Middle & Large-size Flask Top	12,830
DH.Frd04010	(9) 3/4″ PP Tube Adapter, Φ19/1.8t×L80mm, for Connecting Small-size Flask Top	1,800

Optional DURAN® Borosilicate α 3.3 Glass Flask & Silicone Flask Top

		Ea. Price, ₩
DH.Frd05010	(10) Silicone Flask Top, 3/4″ Small-size Flask Top, for 40-/80-㎖ Flask	3,800
DH.Frd05020	, 3/4″ Middle-size Flask Top, for 200-/300-㎖ Flask	7,200
DH.Frd05030	, 3/4″ Large-size Flask Top, for 500-/700-/1000-㎖ Flask	11,500
DH.GL12041	(11) Glass Flask, DURAN® Glass α 3.3, 40㎖ , Φ40/2.3t×h80mm	35,950
DH.GL12042	, 80㎖ , Φ40/2.3t×h120mm	43,280
DH.GL12043	, 200㎖ , Φ65/2.2t×h100mm	49,390
DH.GL12044	, 300㎖ , Φ65/2.2t×h140mm	56,800
DH.GL12045	, 500㎖ , Φ90/2.5t×h125mm	63,900
DH.GL12046	, 700㎖ , Φ90/2.5t×h165mm	75,450
DH.GL12047	, 1000㎖, Φ90/2.5t×h225mm	90,070

Optional Vacuum Pump & 2-stage Table Cart for Vacuum Pump

		Ea. Price, ₩
V3.VOP100	(12) Vacuum Pump, **"VOP-100"**, 120(100)Lit/min, NW25, 220V	1,765,630
V3.VOP150	, **"VOP-150"**, 180(150)Lit/min, NW25, 220V	2,000,000
DH.Frd06025	NW25 Vacuum Pump Connection-set, Tube · O-ring · Clamp	122,500
DH.Frd06016	NW16 Vacuum Pump Connection-set, Tube · O-ring · Clamp · Adapter	206,300
DH.Ca1002	(13) 2-stage Table Cart for Freeze Dryer & Vacuum Pump, with Stop-on Casters and Vacuum Pump Oil Tray, w504×d604×h780mm	216,300

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Fume Hoods NEW

Ducted Fume Hoods 덕트형 흄후드 ····· P. 362~363
Acids/Corrosives Resistance, PP ····· P. 362
Multiuse, Aluminum Frame ····· P. 363
Ductless Fume Hoods 필터식 복합 흄후드 ····· P. 360~361
Dust Collector 이동형 집진기 ····· P. 366
Fume Multi Gas Purifiers 흄 복합정화기 ····· P. 364
Toxic Gas Multi-Purifiers 유해가스 복합정화기 ····· P. 365
Toxic Gas Purifier Box 약품장용 정화기 박스 ····· P. 366



Articles	Cat. No	Description

DAIHAN® Premium Filtering Utility-Fume Hood "FHF", For Acids · VOCs · Dust · Smell & Bacteria, w900 · 1200 · 1500mm

Assembling Body & Filters, Ductless, 5-Filters of 3μm Pre · 0.3μm HEPA · 2 × Coated Active Carbon · Active Carbon, 3-Side Clear Viewing With 11° Slanted Front Sash Door of 2 Step Opening, and 2 × Φ220mm Holes on Lower Door for Easy Hand Work, Compliance with ASHRAE 110-1995

필터식 복합 흄후드 / 조립식 Portable 만능 흄후드-산 · 암모니아 · 휘발성 유기화합물(VOCs) · 포름알데히드 · 미세먼지 · 악취 · 세균 등을 정화, 무닥트 이동 탁상형





2-Year Warranty

Ductless-Filtering - Benchtop ; 조립식 흄후드

- 좌 · 우 · 전면 투명 내약품 PVC Pannel.
- 11° 경사의 전면 2단 투명 개 · 폐 Window
- 하부문에 2개의 작업 Hole(Φ220mm)이 있어 편안하고 안전한 실험

Re. Approx Size of Particulate Matter

- PM2.5 초미세먼지 ; 1.0 ~ 2.5μm Particles
- PM1.0 극초미세먼지 ; ≤1.0μm Particles
- Fume(Acids) ; ≤1.0μm (이하) Particles
- Bacteria ; 0.5μm ~ 0.5m/m Particles
- Virus ; 0.018 ~ 0.4μm Particles
- ◦VOCs ; Gas (기체)



그림 ; 2단 ON-OFF Front Window와 Optional Stand

조립식 Portable 필터형 FUME HOOD 와 별매품인(Optional) Steel Frame Stand 구성!

- ■ *Supplied by DAIHAN Korea* ■ *PL(Product Liability) Insurance*
- ■ *Compliance with Laboratory Fume Hood Standard ASHRAE 110-1995*
- ■ *with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System*
- ■ *Safe and Easy to move Workspace for Harmful Gas without Duct Facility*
- ▶ *Movable Benchtop. Ensuring High Performance Exhaust Filtering without Duct*
- ∗ 8 Levels Air Velocity for Various Test Application with Powerful BLDC Fan Motor
- ∗ Operation Time Monitoring Function For Filter Replacement.
- ▶ *5×Framed Filters - Interchangeable System ; 2-Type of Ⅰ.Standard Hood Unit with 3μm Prefilter(Polyester) Only, and Ⅱ.Complete Hood-Attached 5 Filters All.*
- ▶ *Filter Replacement Cycle Alarm Function :*
  - *BLDC 모터 사용 시간을 카운트하여 필터 교체 알람(6개월) - 필터교체 주기는 약 6~12개월로*
  - *Fume Hood의 전면부 상부 패널을 열어 직접 손쉽게 필터 교체 가능함. - Next Page 참조.*

Standard Specifications

※ 운임 별도 〈L1〉

Spec. \ Model		"FHF-09" w900	"FHF-12" w1200	"FHF-15" w1500
Working Space w×d×h (mm), Lit.		884×580×h800mm, 410Lit	1184×580×h800mm, 549Lit	1484×580×h800mm, 688Lit
Air Velocity(m/s)		0.4m/s ~ 1m/s, 8 Levels		
Motor		70W, BLDC Motor		
5×Framed Filters		- (1) 3μm Prefilter(Polyester) Included ; Protects the Main Filters From Dust. - Optional 4×Filters of (2) 0.3μm HEPA-H14, (3) Acids, (4) Ammonia+Formaldehyde, and (5) Organics(VOCs)+Formaldehyde.		
Material	Fume Hood Head	Powder-coated Steel		
	3-Side Viewing	Chemical Resistant Clear PVC(Polyvinyl Chloride) - 8mm Thick.		
	Working Plate	Stainless-steel #304		
Clear PVC Front Window Working Holes, Φmm		- 11° Slanted Sash Door of 2-Steps Opening(Clear PVC)-Optimal Visibility. - 2×Φ220mm Holes on Lower Door for Easy Hand Work.		
Noise Level(dB)		≤ 60dB		
Controller		Digital PID Controller with Touch-button		
Internal Lighting		1ea 17W LED Lamp(600Lux)	1ea 29W LED Lamp(600Lux)	
Utility Device		Air Velocity Meter		
Utility Divice Hole		2×Φ50mm ON-OFF Hole(PC) : 기타장비의 코드선 등의 In-Out 용		
Dimension(mm) Without Stand	Outer	900×610×h1180	1200×610×h1180	1500×610×h1180
	Inner	884×580×h800	1184×580×h800	1484×580×h800
Electric Reqts.		1 Phase, AC 230V, 50/60Hz		

▶ **Optional Frame Stand for Hoods, Powder Coated Steel.**

		Ea. Price, ₩
DH.FHF09S	Stand, Fume Hood, For w900 Model , 900×610×h730mm	518,000
DH.FHF12S	, For w1200 Model, 1200×610×h730mm	563,000
DH.FHF15S	, For w1500 Model, 1500×610×h730mm	630,000

Ⅰ. Standard Hood Unit, Attached Pre-Filter Only. ECONOMICAL OPERATION

경제적 운영 ; 실험 여건상 필요한 필터만을 구입 사용, Stand 별도

		Ea. Price, ₩
DH.FHF09	Fume Hood Unit, with Prefilter, "FHF-09", w900 Model.	4,224,000
DH.FHF12	, "FHF-12", w1200 Model.	4,505,000
DH.FHF15	, "FHF-15", w1500 Model.	4,832,000

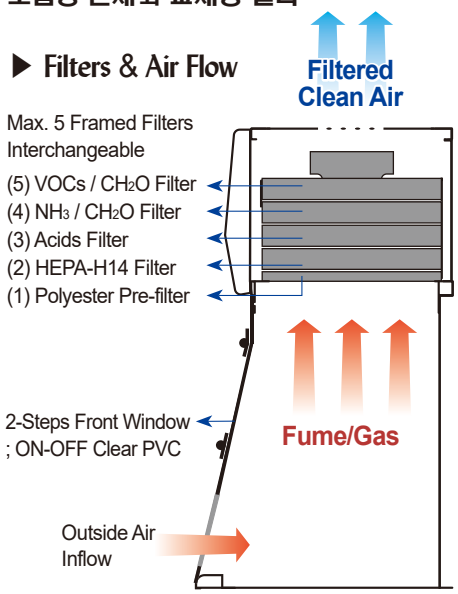
<Continued On Next Page>

※ The Price(VAT is extra) for Korean End-user, and Changeable.

<Continued From...DAIHAN® Premium Filtering Multi-Fume Hood "FHF">

Assembling Body & Filters
조립형 본체와 교체형 필터

▶ Filters & Air Flow





Shape of Framed Filters



Inspection Certificate of Filters
MADI (주)마디 CERTIFIED

Ⅱ. Complete Hood, Attached 5 Filters All. The Best SAFETY WORKSTATION
가장 안전 후드 ; 1대의 Hood로 모든 유해물질의 Vapors · 먼지 · 세균 등을 정화, Stand 별도

5 Framed Filters :
(1) 3μm Pre-Filter(Polyester) ; Protects the Main Filters From Dust.
(2) 0.3μm HEPA-H14 Filter ; 0.3μm 이상의 모든 유해성 Particles를 99.995% 여과 정화.
(3) Chemical Coated Active Carbon Filter
; Acids의 Fume/Vapors를 Adsorption & Filtering 흡착여과, 2nm Molecule
(4) Chemical Coated Active Carbon Filter
; Ammonia & Formaldehyde의 Fume/Vapors를 Adsorption & Filtering 흡착여과, 2nm Molecule
(5) Active Carbon Filter
; Organics(VOCs) & Formaldehyde Gas를 Adsorption & Filtering 흡착여과, 2nm Molecule

<L1>

		Ea. Price, ₩
DH.FHF09C	Fume Hood Complete with 5-Filters, "FHF-09C", w900 Model.	6,308,000
DH.FHF12C	, "FHF-12C", w1200 Model.	7,613,000
DH.FHF15C	, "FHF-15C", w1500 Model.	7,939,000

◆ Selection Guide of Framed Filters

Filter	Target	Material	Method	Description
(1) Polyester Pre-Filter	Particles	Synthetic Micro Fiber	Physical	≥3μm Particles을 필터링 하여 메인필터를 보호하여 필터수명을 증대시킴
(2) HEPA-H14 Filter	Particles	Ultra Micro Glass Fiber	Physical	≥0.3μm 모든입자(세균·먼지·흄 등)를 99.995% 여과 정화.
(3) Acids Filter	Fume Vapors	Chemical-coated Active Carbon	Chemical	특정한 화학물질이 코팅된 활성탄에 Fume/Vapor(Acids, NH_3, S, etc.)나 먼지 등을 흡착 여과 정화, 2nm Molecule
(4) Ammonia NH_3 + Formaldehyde CH_2O Filter	Fume Vapors	Chemical-coated Active Carbon	Chemical	특정한 화학물질이 코팅된 활성탄에 암모니아, 아민, 포름알데하이드 등의 Fume/Vapor를 흡착 여과 정화. 2nm Molecule
(5) VOCs + Formaldehyde CH_2O Filter	Gas	Active Carbon	Chemical Physical	활성탄에 VOCs(휘발성 유기화합물의 총칭) CH_2O Gas나 먼지 등을 흡착 여과 정화. 2nm Molecule

■ *Size of Framed Filters ;* ＊Prefilters Thick-10mm, HEPA-H14 Filter Thick-80mm
For w1200 ; 760×410×T40mm For w900 ; 460×410×T40mm For w1500 ; 1060×410×T40mm

Ordering Information for Framed Filters

Framed Filter Description	For w900 Models		For w1200 Models		For w1500 Models	
	Cat. No.	Price, ₩	Cat. No.	Price, ₩	Cat. No.	Price, ₩
(1) 3μm Prefilter ; Particles	**DH.FHF09.F1**	67,000	**DH.FHF12.F1**	78,000	**DH.FHF15.F1**	112,000
(2) HEPA-H14 Filter ; ≥0.3 Particles 99.995% 정화	**DH.FHF09.F2**	397,000	**DH.FHF12.F2**	442,000	**DH.FHF15.F2**	475,000
(3) Acids Filter ; Coated Active Carbon ; Fume / Vapors	**DH.FHF09.F3**	563,000	**DH.FHF12.F3**	889,000	**DH.FHF15.F3**	1,238,000
(4) Ammonia / CH_2O Filter ; Coated Active Carbon, Fume / Gas	**DH.FHF09.F4**	563,000	**DH.FHF12.F4**	889,000	**DH.FHF15.F4**	1,238,000
(5) VOCs / CH_2O Filter ; Active Carbon ; Gas	**DH.FHF09.F5**	563,000	**DH.FHF12.F5**	889,000	**DH.FHF15.F5**	1,238,000

▶ Easily Quick Replacement of Framed Filters 쉽고 신속한 필터교체 DIY

＊Hood의 전면 상부 패널을 열어 직접 손쉽게 필터를 교체 가능



후드의 전면 패널을 위로 연다



전면의 필터 보호 커버를 제거한다



교체할 필터를 순서대로 제거한 후 역순으로 새로운 필터를 끼워 넣는다



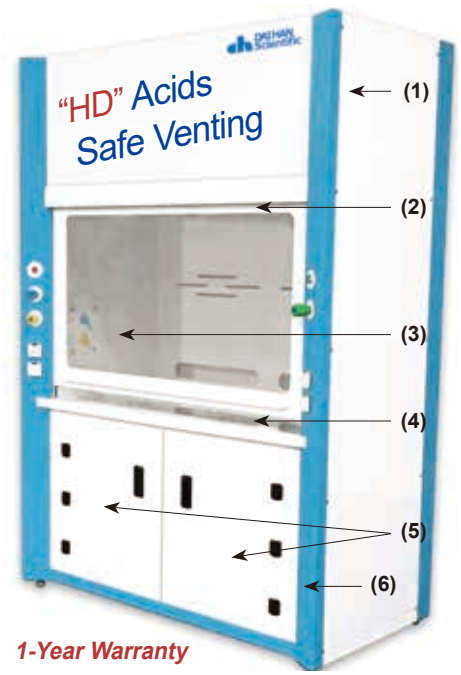
필터커버와 후드 전면 패널을 다시 닫는다.

Articles	Cat. No	Description

DAIHAN® Premium PP Ducted Acids/Corrosives Safety Fume Hood "HD", 4 Models of w1,200 · 1,500 · 1,800 · 2,100mm

ALL PP Strong Double Wall, Ⅰ. Bypass and Ⅱ. Air Curtain-Type, with Air · Gas · Water-Cock, Cup Sink, Drain, and Explosion Proof Lamp

덕트형 PP 프리미엄 내부식형 흄후드, 강산(Conc Acids) 및 강부식형 휘발성 유해 용액 시험에 적합, 일반 배기형 or 에어커튼형의 선택성, 내약품성 & 내열성 우수 125℃



1-Year Warranty

- ■ ***Supplied by DAIHAN Korea***
- ■ ***Durable, Hazardous Chemical Gas Remove.***
- ■ ***PP(Polypropylene) Material for Excellent Resistance to Acid · Alkali · Chemicals · High Temp. 125℃***
- ■ ***ALL PP Strong Double Wall Structure : Exterior and Interior***
  ; 3mm thick Plate and 10mm thick Front Part, 0~125℃ Stable.
- ∗ With Air-/Gas-/Water-Cock, Cup Sink, Drain, Explosion Proof Lamp, Receptacle, and Multi-purpose Cabinet.
- ∗ **By Pass Air Flow-type :** After the Suction Forcing the Indoor Air to Discharge the Gas to the Outside
- ∗ **Air Curtain Air Flow-type :** The Outdoor Air Sucked Form the Air Curtain to the Front Chamber, and the Exhaust Gas Back to Suction the Air
- ∗ Discharging the Polluted Air and Toxic Gas Generated during the Experiment in a Laboratory to the Outside through the Duct Structure
- ∗ Process Pipe & Duct Silicone Sealing to Completely Block the Gas Leakage to the Outside
- ∗ The Mechanical Design is Manufactured with Superior Workability

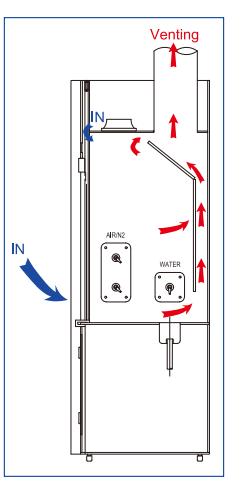
Specification

Models & Air Flow-type	Ⅰ. By-Pass Air Flow Type			
	"HD-1200"	"HD-1500"	"HD-1800"	"HD-2100"
	Ⅱ. Air Curtain Air Flow Type			
	"HD-C1200"	"HD-C1500"	"HD-C1800"	"HD-C2100"
Work Area (mm)	980×615×h1100	1280×615×h1100	1580×615×h1100	1880×615×h1100
Duct Size	Φ 200mm	Φ 250mm		
Material*	- PP Double Wall 8/10mm T. ; **(1)** External · **(3)** Internal · **(4)** Work Top - PVC Clear Window ; **(6)** Column · **(2)** Sash Frame			
Frame	**(6)** PVC Stability Column Frame			
Cabinet-Lower	**(5)** Built-in Multi-purpose PP Cabinet-Lower Part			
Lamp	LED Lamp(1ea×20 W)			
Cock	1ea×Air-/Gas-/Water-Cock			
Receptacle	4ea 220V Concent or 4ea 110V Concent			
Dimension (w×d×h) (mm)	1200×800×2200	1500×800×2200	1800×800×2200	2100×800×2200
Weight (kg)	100	130	160	190
Power Supply *	1 Phase, AC 220V / 60Hz			

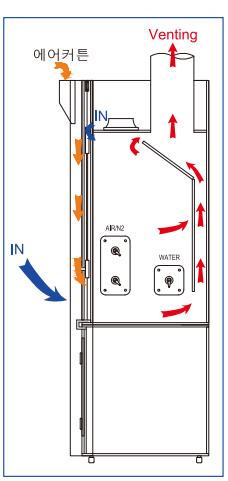
* **Other Specifications(50Hz) are available upon Customer's Request.**

※ **운임 별도**

Diagram of Air Flow



Ⅰ. By-Pass Air Flow-type



Ⅱ. Air Curtain Air Flow-type

Welcome! Custom-Made Fume Hood!!

Ordering Information

〈L4〉

Ⅰ. By-Pass Air Flow-type Ducted PP Fume Hood

		Ea. Price, ₩
DH.WHD02112	Fume Hood, **230V,** 1200×800×h2200mm, **"HD-1200"**	7,112,000
DH.WHD02115	, 1500×800×h2200mm, **"HD-1500"**	7,459,000
DH.WHD02118	, 1800×800×h2200mm, **"HD-1800"**	7,805,000
DH.WHD02121	, 2100×800×h2200mm, **"HD-2100"** *New*	8,673,000
DH.WHD01112	Fume Hood, **120V,** 1200×800×h2200mm, **"HD-1200"**	7,112,000
DH.WHD01115	, 1500×800×h2200mm, **"HD-1500"**	7,459,000
DH.WHD01118	, 1800×800×h2200mm, **"HD-1800"**	7,805,000
DH.WHD01121	, 2100×800×h2200mm, **"HD-2100"** *New*	8,673,000

Ⅱ. Air Curtain Air Flow-type Ducted PP Fume Hood

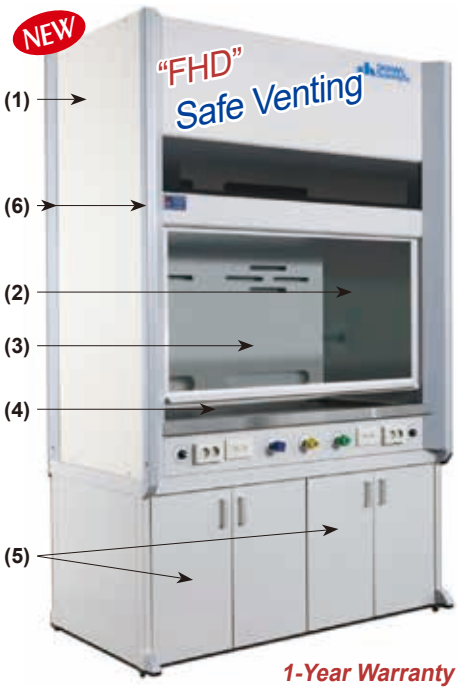
		Ea. Price, ₩
DH.WHD02212	Fume Hood, **230V,** 1200×800×h2200mm, **"HD-C1200"**	7,805,000
DH.WHD02215	, 1500×800×h2200mm, **"HD-C1500"**	8,325,000
DH.WHD02218	, 1800×800×h2200mm, **"HD-C1800"**	8,499,000
DH.WHD02221	, 2100×800×h2200mm, **"HD-C2100"** *New*	9,540,000
DH.WHD01212	Fume Hood, **120V,** 1200×800×h2200mm, **"HD-C1200"**	7,805,000
DH.WHD01215	, 1500×800×h2200mm, **"HD-C1500"**	8,325,000
DH.WHD01218	, 1800×800×h2200mm, **"HD-C1800"**	8,499,000
DH.WHD01221	, 2100×800×h2200mm, **"HD-C2100"** *New*	9,540,000

※ **Custom-Made Fume Hood : Wide Variety of Material for User Selection.**

※ **Note! Freight and Installation Charges Separately.**

※ The Price(VAT is extra) for Korean End-user, and Changeable.

DAIHAN® Ducted Multiuse Fume Hood "FHD", made of PVC & Bakelite Plate with Aluminum Frame, w1,200 · 1,500 · 1,800 · 2,100mm
Usable for Acids/Chemicals, Ⅰ. By-Pass Air and Ⅱ. Air-Curtain Flow Types, with Air/Gas/Water-Cock, Cup Sink, Drain, and Anti-Explo Light Lamp
덕트형 다용도 흄후드 산용 가능, 견고한 알루미늄 프레임에 내약품성 2중벽 (PVC 외벽+페놀판 내벽 & 작업대+하부 캐비닛)



1-Year Warranty

- ***Supplied by DAIHAN Korea***
- ***Durable, Acids / Hazardous Chemical Fume / Gas Remove.***
- ***Safety Double Wall Structure : (1) Exterior - 4mm thick PVC Plate and (2) Interior - 4mm thick Bakelite Plate (Phenol Formaldehyde Hard Board)***
- ***Sash-type Tempered Safety Glass Window. 강화 내열 내충격 유리 윈도우.***

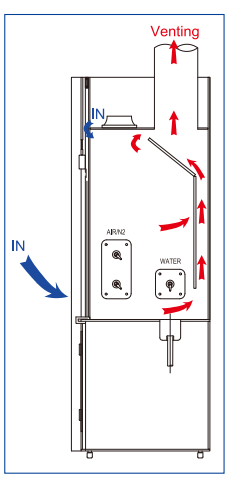
* General Chemical Gas Hood with High Thermal, Chemical Resistance, Various Material for User selection.
* With Air-/Gas-/Water-Cock, Cup Sink, Drain, Explosion Proof Lamp, Receptacle, Multi-purpose Cabinet.
* **By Pass Air Flow-type :** After the Suction Forcing the Indoor Air to Discharge the Gas to the Outside
* **Air Curtain Air Flow-type :** The Outdoor Air Sucked Form the Air Curtain to the Front Chamber, and the Exhaust Gas Back to Suction the Air
* Discharging the Polluted Air and Toxic Gas Generated during the Experiment in a Laboratory to the Outside through the Duct Structure
* Process Pipe & Duct Silicone Sealing to Completely Block the Gas Leakage to the Outside

Specification

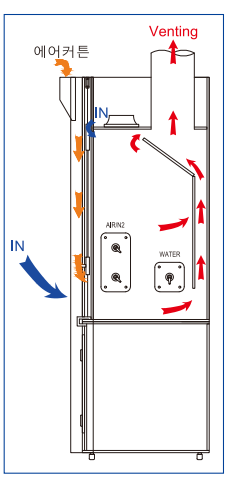
Models & 2 Air Flow Type	Ⅰ. By-Pass Air Flow Type			
	"FHD-12" w1200mm	"FHD-15" w1500mm	"FHD-18" w1800mm	"FHD-21" w2100mm
	Ⅱ. Air Curtain Air Flow Type			
	"FHD-12C" w1200mm	"FHD-15C" w1500mm	"FHD-18C" w1800mm	"FHD-21C" w2100mm
Work Area (mm)	990×650×h1200	1290×650×h1200	1590×650×h1200	1890×650×h1200
Duct Size	Φ 200mm	Φ 250mm		
Material* Double Wall	**(1)** External : PVC 4T, **(2)** Internal : Bakelite(Phenol) Plate 4T and **(4)** Work Top : Phenol Plate			
Frame	**(6)** Durable Aluminum			
Sash Frame & Window	**(3)** Aluminum Framed Tempered Safety Glass Sash Window			
Cabinet-Lower	**(5)** Powder Coated Steel Cabinet with Wood Door			
Lamp / Light	LED Lamp(1ea×20 W)			
Cock	1ea×Air-/Gas-/Water-Cock			
Receptacle	2ea 220V Concent or 2ea 110V Concent			
Dimension (w×d×h) (mm)	1200×800×2350	1500×800×2350	1800×800×2350	2100×800×2350
Weight (kg)	150	170	200	240
Power Supply *	1 Phase, AC 220V / 60Hz			

* **Other Specifications(50Hz) are available upon Customer's Request.** ※ **운임 별도**

Diagram of Air Flow



Ⅰ. **By-Pass Air Flow-type**



Ⅱ. **Air Curtain Air Flow-type**

Welcome! Custom-Made Fume Hood!!

Ordering Information

〈L4〉

Ⅰ. By-Pass Air Flow Type

		Ea. Price, ₩
DH.FHD12	Fume Hood, **230V,** w1200 Model, **"FHD-12"**	3,817,000
DH.FHD15	, w1500 Model, **"FHD-15"**	4,163,000
DH.FHD18	, w1800 Model, **"FHD-18"**	4,510,000
DH.FHD21	, w2100 Model, **"FHD-21"**	4,857,000
DH.FHD121	Fume Hood, **120V,** w1200 Model, **"FHD-121"**	3,817,000
DH.FHD151	, w1500 Model, **"FHD-151"**	4,163,000
DH.FHD181	, w1800 Model, **"FHD-181"**	4,510,000
DH.FHD211	, w2100 Model, **"FHD-211"**	4,857,000

Ⅱ. Air Curtain Flow Type

		Ea. Price, ₩
DH.FHD12C	Fume Hood, Curtain, **230V,** w1200 Model, **"FHD-12C"**	4,510,000
DH.FHD15C	, w1500 Model, **"FHD-15C"**	4,857,000
DH.FHD18C	, w1800 Model, **"FHD-18C"**	5,204,000
DH.FHD21C	, w2100 Model, **"FHD-21C"**	5,550,000
DH.FHD121C	Fume Hood, Curtain, **120V,** w1200 Model, **"FHD-121C"**	3,817,000
DH.FHD151C	, w1500 Model, **"FHD-151C"**	4,163,000
DH.FHD181C	, w1800 Model, **"FHD-181C"**	4,510,000
DH.FHD211C	, w2100 Model, **"FHD-211C"**	4,857,000

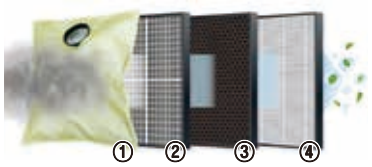
※ **Custom-Made Fume Hood : Wide Variety of Material for User Selection.**
※ **Note! Freight and Installation Charges Separately.**

Articles	Cat. No	Description

CAFU™ Filtering Fume Multi Gas Purifier of Acids · Dust · Organics(VOCs) · Smell · Bacteria, ≥0.3μm, 100 & 430 CMH(m³/ h)

4-Layer Filters of 1μm Micro Bag · Ceramic Carbon · Active Carbon · HEPA-H13, 흄 복합정화기-산 · 초미세먼지 · 휘발성 유기화합물 · 악취 · 세균-필터식 이동형

4-Layer Perfect Filter



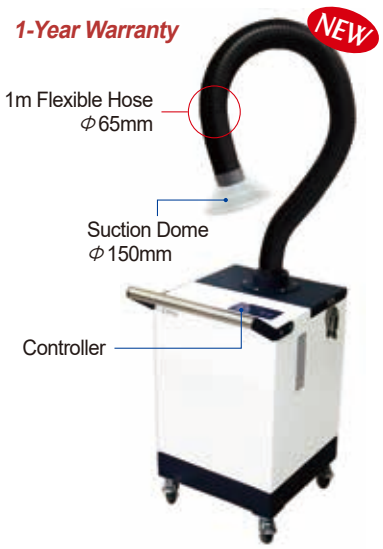
① - 1μm Micro Fiber Bag Filter ;
For CAFU-A19
- 1μm Fiber Bag(5 Room) Filter ;
For CAFU-A14
② Ceramic Honeycomb Carbon Filter
③ Impregnated Active Carbon Filter
④ 0.3μm Sterilization HEPA-H13 Filter

Re. Approx Size of Particulate Matter

- PM2.5 초미세먼지 ; 1.0 ~ 2.5μm Particles
- PM1.0 극초미세먼지 ; ≤1.0μm Particles
- Fume(Acids) ; ≤1.0μm (이하) Particles
- Bacteria ; 0.5μm ~ 0.5m/m Particles
- Virus ; 0.018 ~ 0.4μm Particles
- VOCs ; Gas (기체)

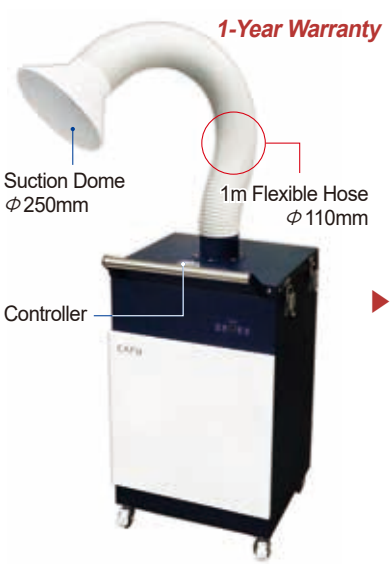
1-Year Warranty

NEW



Ⅰ. CAFU-A19, 기본형

1-Year Warranty



Ⅱ. CAFU-A14, 대용량

■ *Supplied by DAIHAN Korea* ■ *CE · KC · PSE · FCC · ISO-14001(환경) / 45001(안전) CERTIFIED.*
■ *Suction of Polluted air / Toxic Gas Through Flexible Hose and Purifying by Filtering & Adsorption.*
유해가스를 플렉시블 호스로 흡입 복합 필터로 정화(여과 / 흡착)하여 청정공기로 배출.
■ *KCL(한국건설 생활 환경 시험 연구원) 톨루엔, 자일렌, 아세트산, 폼알데하이드, 암모니아 등 95% 제거 테스트.*
■ *연구 / 실험실, VOCs 및 Acids 취급, 납땜 및 각종 도색 작업장 등에서 발생하는 유해가스를 효과적으로 정화하여 배출.*
■ *4-Layer Safety Filtering System / 4겹 필터링 구조 ; Purification and Sterilization of Contamination Source*
① - 1μm Micro Fiber Bag Filters ; 1μm 이상의 모든 유해물 제거 ; CAFU-A19용
- 1μm Fiber Bag(5 Room) Filters ; 1μm 이상의 모든 유해물 제거 ; CAFU-A14용
3-Layer Main Filter Kit ;
② Ceramic Honeycomb Carbon Filter ; For the Vapors of VOCs / C_2H_2 / CH_2O / Acids / NH_3, O_3, and Bacteria.
휘발성 유기화합물 VOCs(벤젠 · 아세치렌, etc) 독성 가스, 산 / 암모니아 등의 흄, 악취, 세균 등을 흡착 / 여과 제거.
③ Impregnated Activated Carbon Filter; For the Fume / Vapor of Acids / Ammonia / H_2S / VOCs / C_2H_2 / CH_2O, and Bacteria.
산 / 암모니아 / 황화수소 등의 흄, VOCs 휘발성 유기화합물의 독성가스, 악취, 세균 등을 흡착 / 여과 제거.
④ Sterilizing HEPA-H13 Filter ; ≥0.3μm Particles(세균, 흄, 미세먼지, etc)를 99.95% 여과 제거, 극세 유리섬유.
■ *- Filter 교체 Indicator 및 교체 주기 설정 ; CAFU-A19*
- Filter 교체 차압계 Alarm Sensor 작동 ; CAFU-A14

∗ Configurable Filter Replacement Cycle ∗ Easy and Simple Filter Replacement
∗ Power Consumption Reduced with a Brushless Direct Current(BLDC) Motor
∗ Excellent Chemical · Heat · Weather · Wear Resistance



CAFU-A14 필터교체 알람

Specifications

Spec. \ Model	Ⅰ. "CAFU-A19", 기본형	Ⅱ. "CAFU-A14", 대용량
Airflow Rate (Suction Capacity)	100 CMH(m³/ h)	430 CMH(m³/ h)
Air Speed	14m/s	15m/s
Air Suction Dome (PP)	Φ150mm	Φ250mm
Flexible Hose (PP)	Φ65×1,000mm	Φ110×1,000mm
Filters and the Replacement Cycle	- 1μm Micro Fiber Bag Filter : 분진이 1/3 찼을 때 - 3-Layer Filter Kit ; 3~6 Month	- 1μm Fiber Bag(5 Room) Filter : when Sensor Sounds - 3-Layer Filter Kit ; 3~6 Month
Noise Level	≤45db	≤50db
Controller	Touch PCB, Anti-Static	
Material	Steel Plate 1.2t with Epoxy Powder Coated	
Dimension (w×d×h) & Weight	340×340×h560mm, 18kg	470×425×h790mm, 30kg
Power Consumption	120W	290W
Electrical Reqts.	220V, 50/60Hz	

Ⅰ. 기본형 "CAFU-A19" 흄 정밀 복합정화기, 100 CMH(m³/ h)

※ 운임 별도

4-Layer Filter System
① 1.0μm Micro Fiber Bag Filter ; Particles & Fume 여과 정화
② & ③ Ceramic Carbon and Impregnated Carbon Filter ; Fume(Acids) & VOCs Gas 흡착 & 여과 정화 〈B3〉
④ 0.3μm HEPA-H13 Filter ; Bacteria/Particles/Fume 살균 여과 정화

		Ea. Price, ₩
CC.5CAFU.A19	Fume Multi-Purifier, Portable	1,294,390

Ⅱ. 대용량 "CAFU-A14" 흄 복합정화기, 430 CMH(m³/ h)

4-Layer Filter System
① 1.0μm Fiber Bag(5 Room) Filter ; Particles 여과 정화
② & ③ Ceramic Carbon and Impregnated Carbon Filter ; Fume(Acids) & VOCs Gas 흡착 & 여과 정화
④ 0.3μm HEPA-H13 Filter ; Bacteria/Particles/Fume 살균 여과 정화



※ 운임 별도 〈B1〉

		Ea. Price, ₩
CC.7CAFU.A14	Fume Multi-Purifier, Portable	2,772,000

Spare Filters

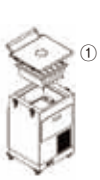
		Ea. Price, ₩
CC.5CAFU.FM	① 1μm Micro Fiber Bag Filter, for "CAFU-A19"	10,200
CC.7CAFU.FM	① 1.0μm Fiber Bag(5 Room) Filter, for "CAFU-A14"	32,040
CC.5CAFU.FK	②+③+④ 3-Layer Filter Kit ; Ceramic Carbon + Active Carbon + HEPA, for "CAFU-A19"	160,160
CC.7CAFU.FK	, for "CAFU-A14"	240,240

▶ Caution ! Please Replace the Polluted Filters in Good Time ! 오염된 필터들을 적시에 교체하세요 !

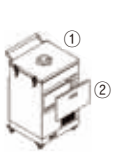
◆ How to Replace Filter, 필터 교체방법



1. Before Replacing the Filter, Power Off with th POWER Button, and Fix the Wheel.



2. Open the Cover ① and Replace the Bag Filter.



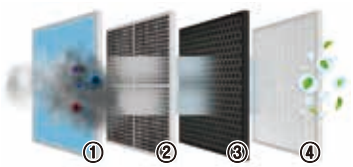
3. After Opening Cover ② and Replace Main Filter, Close Cover ①, ②

※ The Price(VAT is extra) for Korean End-user, and Changeable.

CAFU™ Portable Filtering Toxic Gas Multi-Purifier of Organics(VOCs) · Acids · Smell & Dust, 170 & 500 CMH(m³/ h)

4-Layer Filters of 0.3μm HEPA · Ceramic Carbon · Active Carbon & Antibacteria, 이동형 유해가스 복합정화기-휘발성 유기화합물 · 산 · 악취 · 미세먼지-필터식

4-Layer Perfect Filter



① 10μm Anti-bacterial Prefilter
② Ceramic Honeycomb Carbon Filter
③ Impregnated Active Carbon Filter
④ 0.3μm Sterilization HEPA-H13 Filter

Re. Approx Size of Particulate Matter

- PM2.5 초미세먼지 ; 1.0 ~ 2.5μm Particles
- PM1.0 극초미세먼지 ; ≤1.0μm Particles
- Fume(Acids) ; ≤1.0μm (이하) Particles
- Bacteria ; 0.5μm ~ 0.5m/m Particles
- Virus ; 0.018 ~ 0.4μm Particles
- VOCs ; Gas (기체)

- ***Supplied by DAIHAN Korea*** ■ ***CE · KC · PSE · FCC · ISO-14001(환경) / 45001(안전) CERTIFIED.***
- ***Suction of Polluted air / Toxic Gas Through Flexible Hose and Purifying by Filtering & Adsorption. 유해가스를 플렉시블 호스로 흡입 복합 필터로 정화(여과 / 흡착)하여 청정공기로 배출.***
- ***KCL(한국건설 생활 환경 시험 연구원) 톨루엔, 자일렌, 아세트산, 폼알데하이드, 암모니아 등 95% 제거 테스트.***
- ***연구 / 실험실, VOCs 및 Acids 취급, 납땜 및 각종 도색 작업장 등에서 발생하는 유해가스를 효과적으로 정화하여 배출.***
- ***4-Layer Safety Filtering System / 4겹 필터링 구조 ; Purification and Sterilization of Contamination Source***
  - ***① Anti-bacterial Prefilter ; Protects the Main Filter Kit from≥10μm Dust & Bacteria 메인필터 보호 수명연장 3-Layer Main Filter Kit ;***
  - ***② Ceramic Honeycomb Carbon Filter ; For the Vapors of VOCs / C_2H_2 / CH_2O / Acids / NH_2, O_2, and Bacteria. 휘발성 유기화합물 VOCs(벤젠 · 아세치렌, etc) 독성 가스, 산 / 암모니아 등의 흄, 악취, 세균 등을 흡착 / 여과 제거.***
  - ***③ Impregnated Activated Carbon Filter ; For the Fume / Vapor of Acids / Ammonia / H_2S / VOCs / C_2H_2 / CH_2O, and Bacteria. 산 / 암모니아 / 황화수소 등의 흄, VOCs 휘발성 유기화합물의 독성가스, 악취, 세균 등을 흡착 / 여과 제거.***
  - ***④ Sterilizing HEPA-H13 Filter ; ≥0.3μm Particles(세균, 흄, 미세먼지, etc)를 99.95% 여과 제거, 극세 유리섬유.***
- ***필터수명/교체시기 Alarm Lamp.*** ■ ***Filter Replacement ; See the Previous Page!***

∗ Configurable Filter Replacement Cycle ∗ Easy and Simple Filter Replacement
∗ Power Consumption Reduced with a Brushless Direct Current(BLDC) Motor
∗ Excellent Chemical · Heat · Weather · Wear Resistance



필터수명 교체 알람(점등)

Ⅰ. 170 CMH(m³/ h) Models CAFU-A02 ; 기본형 〈B3〉

1-Year Warranty



Ⅰ. 170 CMH, 기본형

Spec. \ Model	"CAFU-A02"(기본형)
Airflow Rate (Suction Capacity)	170 CMH(m³/ h)
Air Speed	13m/s
Air Suction Dome(PP)	Φ250mm
Flexible Hose(POM)	Φ77×1,000mm
Filters and the Replacement Cycle	- Anti-bacterial Prefilter : 200 hours - 3-Layer Filter Kit ; 3~6 Month
Noise Level	≤50db
Controller	Push Botton Controller
Material	Steel Plate 1.2t with Epoxy Powder Coated
Dimension (w×d×h) & Weight	390×390×h705mm, 26kg
Power Consumption	120W
Electrical Reqts.	220V, 50/60Hz
Cat. No.	**CC.2CAFU.A02**
Price, Each. ₩	2,517,200

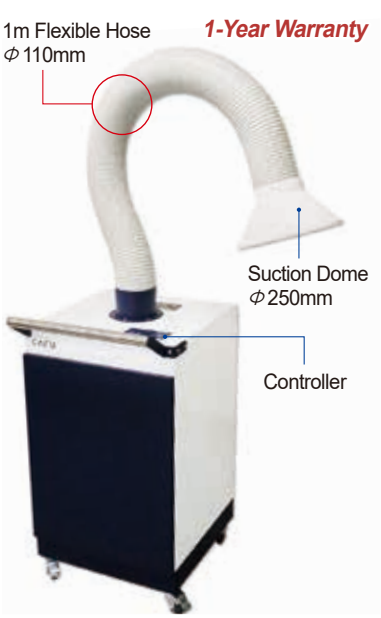
※ 운임 별도

Spare Filters

		Ea. Price, ₩
CC.2CAFU.FP	① Anti-Bacterial Prefilter, for "CAFU-A02"	9,080
CC.2CAFU.FK	②+③+④ 3-Layer Filter Kit ; Ceramic Carbon & Active Carbon & HEPA, for "CAFU-A02"	240,240

Ⅱ. 500 CMH(m³/ h) Model CAFU-A13 ; 대용량/Heavy Duty 〈B2〉

1-Year Warranty



Ⅱ. 500 CMH, 대용량

Spec. \ Model	"CAFU-A13"(대용량)
Airflow Rate (Suction Capacity)	500 CMH(m³/ h)
Air Speed	17m/s
Air Suction Dome(PP)	Φ250mm
Flexible Hose(PP)	Φ110×1,000mm
Filters and the Replacement Cycle	- Anti-bacterial Prefilter : 1 Month - 3-Layer Filter Kit : 3~6 Month
Noise Level	≤60db
Controller	Touch PCB, Anti-Static
Material	Steel Plate 1.2t with Epoxy Powder Coated
Dimension (w×d×h) & Weight	440×455×h770mm, 32kg
Power Consumption	290W
Electrical Reqts.	220V, 50/60Hz
Cat. No.	**CC.3CAFU.A13**
Price, Each. ₩	2,567,550

※ 운임 별도

Spare Filters

		Ea. Price, ₩
CC.3CAFU.FP	① Anti-Bacterial Prefilter for "CAFU-A13"	9,080
CC.3CAFU.FK	②+③+④ 3-Layer Filter Kit ; Ceramic Carbon & Active Carbon & HEPA, for "CAFU-A13"	240,240

▶ Caution ! Please Replace the Polluted Filters in Good Time ! 오염된 필터들을 적시에 교체하세요 !

CAFU™ Potable Filtering Dust Collector of Fine Dust · Fume · Bacteria "CAFU-21", 150 CMH(m³/ h)

2-Layer Filters of 1μm Micro Bag & 0.3μm HEPA-H13, **이동형 집진기-작업장의 먼지 · 흄 · 세균등의 정화, 필터형식**

2-Layer Perfect Filter



① 1μm Fiber Bag(5 Room) Filter
② 0.3μm Sterilization HEPA-H13 Filter

Re. Approx Size of Particulate Matter
- PM2.5 초미세먼지 ; 1.0 ~ 2.5μm Particles
- PM1.0 극초미세먼지 ; ≤1.0μm Particles
- Fume(Acids) ; ≤1.0μm (이하) Particles
- Bacteria ; 0.5μm ~ 0.5m/m Particles

1-Year Warranty



CAFU-21, 150 CMH

▶ ***가공, 연마, 레이저 작업장 등에서 발생하는 먼지 및 흄, 박테리아를 효과적으로 정화하여 배출.***
- ***Supplied by DAIHAN Korea*** ■ ***CE · KC · PSE · FCC · ISO-14001(환경) / 45001(안전) CERTIFIED.***
- ***Suction of Polluted air / Through Flexible Hose and Purifying by Filtering.***
  작업장 먼지를 플렉시블 호스로 흡입 복합 필터로 정화(여과)하여 청정공기로 배출.
- ***KCL(한국건설 생활 환경 시험 연구원) 부유미생물 저감 시험 세균감소율 99.9% 테스트 통과.***
- ***2Layer Filtering System / 2겹 필터링 구조 ;***
  ① 1μm Fiber Bag(5 Room) Filters ; 1μm 이상의 모든 유해물 입자 95% 제거
  ② Sterilizing HEPA-H13 Filter ; ≥0.3μm Particles(세균, 흄, 미세먼지, etc)를 99.95% 여과 제거, 극세 유리섬유.

∗ Filter 교체 차압계 알람 Sensor 작동 ∗ Filter Replacement ; See Page 364!
∗ Power Consumption Reduced with a Brushless Direct Current(BLDC) Motor

Specifications

〈B2〉

Spec. \ Model	"CAFU-21", 중형
Airflow Rate (Suction Capacity)	150 CMH(m³/ h)
Air Speed	14m/s
Air Suction Dome(PP)	Φ150mm
Flexible Hose(POM)	Φ77×1,000mm
Filters and the Replacement Cycle	- 1μm Fiber Bag(5 Room) Filter ; ≥1μm 입자 95% 제거 : when Sensor Sounds(차압계 센서가 울릴때 교체!) - 0.3μm Sterilizing HEPA-H13 Filter; 3~6 Month에 교체!
Noise Level	≤70db
Controller	POWER 버튼 : Operation and Stop (Toggle Switch) VOLUME 버튼 : Wind Speed Adjustment (Jog-controller)
Material	Plate 1.2t with Epoxy Powder Coated
Dimension (w×d×h) & Weight	390×390×h600mm, 25kg
Power Consumption	140W
Electrical Reqts.	220V, 50/60Hz
Cat. No.	CC.6CAFU.21
Price, Each. ₩	1,834,560

Spare Filters

Cat. No.		Ea. Price, ₩
CC.6CAFU.FM	1.0μm Fiber Bag(5 Room) Filter, for "CAFU-21"	32,040
CC.6CAFU.FH	0.3μm Sterilization HEPA-H13 Filter, for "CAFU-21"	71,350

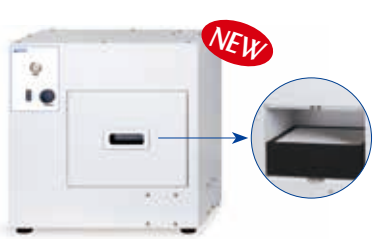
▶ **Caution ! Please Replace the Polluted Filters in Good Time ! 오염된 필터들을 적시에 교체하세요 !**

, Toxic Gas Purifier Box

Ductless Filtering Multi Gas/Fume Purifier Box for Chemicals Storage Cabinets "SCF90-F", Additional Apparatus

With 4 Filters of HEPA · Acids · VOCs · NH_3/CH_2O and 2 × Φ60mm Connecting Device Hole for In- & Out-let

약품장용 유해가스 종합 정화기 박스, 부가 설치용, 무덕트 필터링형, 사용중인[사용할] 약품장에 부가적으로 설치함



Ductless Filtering Multi Gas/Fume Purifier Box

- ***설치법 ; 사용 중인(사용할) 약품장 상부에 Φ60mm Hole이 있거나 혹은 뚫어서, 본 정화기와 PVC Flexible Hose Φ50으로 연결***
- ***안전 캐비닛 내에 유해가스 발생 시 덕트없이 필터 여과 정화, 청정 공기 실내에 공급.***
- ***Powerful Forced Airflow and Low Noise by High Performance BLDC Motor***
- ***Complete 4 Filter Set with (1) HEPA-H14, (2) Acitive Carbon, (3) & (4) 2×Chemical Coated Active Carbon for ≥0.3μm All Particles Fume/Particles, from Acids, and VOCs Gas(휘발성 유기화합물). Details ; See the Selection Guide.***
- ***Filter Replacement Cycle Alarm Function : 필터교체 주기는 약 6~12개월로 사용 조건에 따라 다를 수 있음***

〈L1〉

		Ea. Price, ₩
DH.SCF90F	Filtering Gas Purifier Box, 480×303×h440mm, Powder-Coated Steel, With Complete 4Filter Set (Details ; See the Selection Guide)	1,983,000

Spare Framed Filters For Vapors Purifier Box.

∗ The Size of Framed Filters ; 300×300×h100mm

		Ea. Price, ₩
DH.SCF90F2	HEPA-H14 Filter ; ≥0.3μm Particles(Bacteria · Fume · Dust, etc.) 99.995% 여과정화	145,000
DH.SCF90F3	Chemical Coated Active Carbon ; Fume(Acids) 흡착여과	295,000
DH.SCF90F4	; Ammonia & Formaldehyde 흡착여과	337,000
DH.SCF90F5	Active Carbon Filter ; Organics(VOCs) & Formaldehyde Gas 흡착여과	337,000



Spare & Optional Filter Kits



Inspection Certificate of Filters
KADI CERTIFIED

▶ **Filter Selection Guide : See Page 134!**

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



Graduated Dropping Funnel, with 29/32 Socket, 50~1,000㎖
With PTFE or Glass-plug Stopcock & PP Stopper, 정밀눈금부 드로핑 펀넬

■ ***Custom-Made Available / 규격외 Items 자유롭게 주문하세요!***
■ ***with 29/32 Socket & Chemical Resistant PP Stopper, Autoclavable.***
■ ***Borosilicate Glass 3.3***
∗ H : approx. total height

〈L1〉

Description	(1) with PTFE plug			(2) with Glass plug		
	Cat. No.	Pk.	Price, ₩	Cat. No.	Pk.	Price, ₩
50 / 1㎖ , Φ32×h260mm, Plug Bore 2.5 mm	**GL.158.204.02**	1ea	54,840	**GL.154.204.02**	1ea	31,620
100 / 2㎖ , Φ42×h280mm, Plug Bore 2.5 mm	**GL.158.204.03**	1ea	57,450	**GL.154.204.03**	1ea	34,670
250 / 5㎖ , Φ50×h350mm, Plug Bore 4.0 mm	**GL.158.202.04**	1ea	56,880	**GL.154.202.04**	1ea	36,670
500 / 10㎖ , Φ65×h390mm, Plug Bore 4.0 mm	**GL.158.202.05**	1ea	71,320	**GL.154.202.05**	1ea	62,970
1,000 / 20㎖, Φ85×h460mm, Plug Bore 6.0 mm	**GL.158.202.06**	1ea	121,250	**GL.154.202.06**	1ea	86,100



1. PTFE-plug 2. Glass-plug

Graduated Dropping Funnel, with 24/40 or 24/29 Cone, 50~1,000㎖
With PTFE or Glass-plug Stopcock, 29/32 Socket/Stopper, 조인트콘 & 정밀눈금부 드로핑 펀넬

■ ***Custom-Made Available / 규격외 Items 자유롭게 주문하세요!***
■ ***with 29/32 Socket & Chemical Resistant PP Stopper, Autoclavable***
■ ***Borosilicate Glass 3.3***

1. With PTFE plug & 24/40 or 24/29 Cone, with 29/32 Socket & PP Stopper

〈L1〉

Description	(1) ASTM 24/40 Cone			(2) with DIN 24/29 Cone		
	Cat. No.	Pk.	Price, ₩	Cat. No.	Pk.	Price, ₩
50 / 1㎖ , Φ32×h260, Plug Bore 2.5mm	**GL.167.210.02B**	1ea	58,740	**GL.167.210.02E**	1ea	54,530
100 / 2㎖ , Φ42×h280, Plug Bore 2.5mm	**GL.167.210.03B**	1ea	63,420	**GL.167.210.03E**	1ea	58,900
250 / 5㎖ , Φ50×h370, Plug Bore 4mm	**GL.167.210.05B**	1ea	70,050	**GL.167.210.05E**	1ea	65,000
500 / 10㎖ , Φ65×h400, Plug Bore 4mm	**GL.167.210.06B**	1ea	81,250	**GL.167.210.06E**	1ea	75,430
1,000 / 20㎖, Φ85×h460, Plug Bore 6mm	**GL.167.210.07B**	1ea	126,900	**GL.167.210.07E**	1ea	117,800

2. With Glass plug & 24/40 or 24/29 Cone, with 29/32 Socket & PP Stopper

Description	(1) with ASTM 24/40 Cone			(2) with DIN 24/29 Cone		
	Cat. No.	Pk.	Price, ₩	Cat. No.	Pk.	Price, ₩
50 / 1㎖ , Φ32×h260, Plug Bore 2.5mm	**GL.165.210.02B**	1ea	36,290	**GL.165.210.02E**	1ea	34,690
100 / 2㎖ , Φ42×h280, Plug Bore 2.5mm	**GL.165.210.03B**	1ea	39,580	**GL.165.210.03E**	1ea	37,930
250 / 5㎖ , Φ50×h370, Plug Bore 4mm	**GL.165.210.05B**	1ea	46,890	**GL.165.210.05E**	1ea	44,850
500 / 10㎖ , Φ65×h400, Plug Bore 4mm	**GL.165.210.06B**	1ea	60,100	**GL.165.210.06E**	1ea	57,440
1,000 / 20㎖, Φ85×h460, Plug Bore 6mm	**GL.165.210.07B**	1ea	89,740	**GL.165.210.07E**	1ea	85,980



1. PTFE-plug 2. Glass-plug

Graduated Pressure Equalizing Dropping Funnel, with 24/40 or 24/29 Cone, 50~1,000㎖
With PTFE or Glass-plug Stopcock, with 29/32 Socket & Stopper, 콘 & 정밀눈금부 이퀄라이징 드로핑 펀넬

■ ***Custom-Made Available / 규격외 Items 자유롭게 주문하세요!***
■ ***with 29/32 Socket & Chemical Resistant PP Stopper, Autoclavable***
■ ***Borosilicate Glass 3.3***

1. With PTFE plug & 24/40 or 24/29 Cone, with 29/32 Socket & PP Stopper

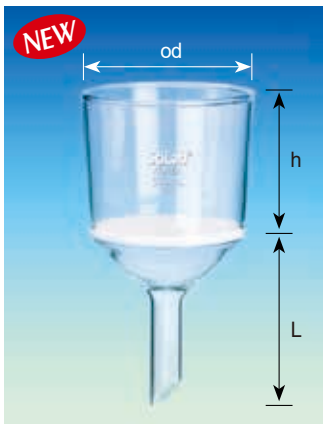
〈L1〉

Description	(1) with ASTM 24/40 Cone			(2) with DIN 24/29 Cone		
	Cat. No.	Pk.	Price, ₩	Cat. No.	Pk.	Price, ₩
50 / 1㎖ , Φ34×h280, Plug Bore 2.5mm	**GL.169.210.01B**	1ea	72,130	**GL.169.210.01E**	1ea	66,970
100 / 2㎖ , Φ44×h300, Plug Bore 2.5mm	**GL.169.210.03B**	1ea	78,770	**GL.169.210.03E**	1ea	73,130
200 / 5㎖ , Φ54×h370, Plug Bore 4mm	**GL.169.210.04B**	1ea	78,770	**GL.169.210.04E**	1ea	73,130
500 / 10㎖ , Φ67×h420, Plug Bore 4mm	**GL.169.210.05B**	1ea	94,840	**GL.169.210.05E**	1ea	88,050
1,000 / 20㎖, Φ88×h500, Plug Bore 6mm	**GL.169.210.06B**	1ea	160,580	**GL.169.210.06E**	1ea	149,100

2. With Glass plug & 24/40 or 24/29 Cone, with 29/32 Socket & PP Stopper

Description	(1) with ASTM 24/40 Cone			(2) with DIN 24/29 Cone		
	Cat. No.	Pk.	Price, ₩	Cat. No.	Pk.	Price, ₩
50 / 1㎖ , Φ34×h280, Plug Bore 2.5mm	**GL.168.210.01B**	1ea	47,200	**GL.168.210.01E**	1ea	43,790
100 / 2㎖ , Φ44×h300, Plug Bore 2.5mm	**GL.168.210.03B**	1ea	50,780	**GL.168.210.03E**	1ea	47,120
200 / 5㎖ , Φ54×h370, Plug Bore 4mm	**GL.168.210.04B**	1ea	50,780	**GL.168.210.04E**	1ea	47,120
500 / 10㎖ , Φ67×h420, Plug Bore 4mm	**GL.168.210.05B**	1ea	69,440	**GL.168.210.05E**	1ea	64,470
1,000 / 20㎖, Φ88×h500, Plug Bore 6mm	**GL.168.210.06B**	1ea	150,830	**GL.168.210.06E**	1ea	140,030

Articles	Cat. No	Description



※ **Porosity "G"**

- **G1 : 50~70㎛**
  Large sediment and Colloidal sediment
- **G2 : 30~50㎛**
  Large sediment and for Gas washing
- **G3 : 16~30㎛**
  Fine sediment and for Watermark filter
- **G4 : 4~7㎛**
  Fine or Extremely fine sediment from the Liquid
- **G5 : 2~4㎛**
  Extremely fine sediment and Coliform

SciLab® 35~10,000㎖ Glass Filter Funnel, "Büchner", High Quality

Boro-glass 3.3, Pore 2~70㎛, Glass Disc Φ32~282mm, **유리필터 부후너 깔때기**

■ ***Supplied by SciLab Korea***

〈L1〉

규격	35㎖ od 42×h50mm Φ32 Disc, stem Φ8×L75	Pk. Price, ₩
G1	SL.Fun2541	2ea 12,530
G2	SL.Fun2542	2ea 12,530
G3	SL.Fun2543	2ea 12,530
G4	SL.Fun2544	2ea 12,530
G5	SL.Fun2545	2ea 12,530

규격	60㎖ od 48×h57mm Φ40 Disc, stem Φ10×L75	Pk. Price, ₩
G1	SL.Fun2546	2ea 15,040
G2	SL.Fun2547	2ea 15,040
G3	SL.Fun2548	2ea 15,040
G4	SL.Fun2549	2ea 15,040
G5	SL.Fun2550	2ea 15,040

규격	100㎖ od 66×h60mm Φ53 Disc, stem Φ11×L75	Pk. Price, ₩
G1	SL.Fun2551	2ea 25,010
G2	SL.Fun2552	2ea 25,010
G3	SL.Fun2553	2ea 25,010
G4	SL.Fun2554	2ea 25,010
G5	SL.Fun2555	2ea 25,010

규격	130㎖ od 75×h70mm Φ65 Disc, stem Φ11×L75	Pk. Price, ₩
G1	SL.Fun2556	2ea 31,860
G2	SL.Fun2557	2ea 31,860
G3	SL.Fun2558	2ea 31,860
G4	SL.Fun2559	2ea 31,860
G5	SL.Fun2560	2ea 31,860

규격	250㎖ od 88×h80mm Φ74 Disc, stem Φ19×L80	Ea. Price, ₩	Pk. Price, ₩
G1	SL.Fun2561	25,790	2ea 50,040
G2	SL.Fun2562	25,790	2ea 50,040
G3	SL.Fun2563	25,790	2ea 50,040
G4	SL.Fun2564	25,790	2ea 50,040
G5	SL.Fun2565	25,790	2ea 50,040

규격	500㎖ od 110×h90mm Φ100 Disc, stem Φ22×L85	Ea. Price, ₩	Pk. Price, ₩
G1	SL.Fun2566	49,240	2ea 95,530
G2	SL.Fun2567	49,240	2ea 95,530
G3	SL.Fun2568	49,240	2ea 95,530
G4	SL.Fun2569	49,240	2ea 95,530
G5	-	-	-

규격	1,000㎖ od 140×h110mm Φ124 Disc, stem Φ30×L125	Ea. Price, ₩
G1	SL.Fun2571	96,700
G2	SL.Fun2572	96,700
G3	SL.Fun2573	96,700
G4	SL.Fun2574	96,700

규격	2,000㎖ od 160×h125mm Φ150 Disc, stem Φ32×L130	Ea. Price, ₩
G1	SL.Fun2575	195,030
G2	SL.Fun2576	195,030
G3	SL.Fun2577	195,030
G4	SL.Fun2578	195,030

규격	3,000㎖ od 200×h165mm Φ188 Disc, stem Φ32×L130	Ea. Price, ₩
G1	SL.Fun2581	281,290
G2	SL.Fun2582	281,290
G3	SL.Fun2583	281,290
G4	SL.Fun2584	281,290

규격	5,000㎖ od 230×h200mm Φ214 Disc, stem Φ32×L130	Ea. Price, ₩
G1	SL.Fun2585	377,400
G2	SL.Fun2586	377,400
G3	SL.Fun2587	377,400
G4	SL.Fun2588	377,400

규격	10,000㎖ od 300×h300mm Φ282 Disc, stem Φ45×L150	Ea. Price, ₩
G1	SL.Fun2591	945,140
G2	SL.Fun2592	945,140
G3	SL.Fun2593	945,140



DURAN® Premium Glass Büchner Funnel with Perforated Plate, 70~1,000㎖

For Membrane · Filter-paper · Filter-cloth, Borosilicate Glass 3.3, Φ4.8~12cm, **글라스 부후너 깔때기**

■ ***Supplied by DURAN® in Germany***

■ ***Usage : Suitable to use with Filter-papers & Filter-cloth***

〈L1〉

∗ DURAN® Borosilicate-glass α 3.3 ∗ Filtration Disc : Perforated Plate with fine holes

		Pk. Price, ₩
DU.2134122	Funnel, Buchner, 70㎖ , od4.8×h13cm, Φ45 Filter Paper	1ea 122,320
DU.2134128	, 125㎖ , od6.0×h14cm, Φ55 Filter Paper	1ea 143,630
DU.2134134	, 220㎖ , od7.3×h19cm, Φ70 Filter Paper	1ea 242,520
DU.2134144	, 500㎖ , od9.5×h24cm, Φ90 Filter Paper	1ea 244,980
DU.2134154	, 1,000㎖, od 12×h27cm, Φ110 Filter Paper	1ea 361,740



Vacuum Filter Adapter, DURAN glass, for Filter Funnels, with ASTM & DIN Joint

Without Funnel, Top Φ34, Φ42 and Φ52mm, **필터 펀넬용 진공 어댑터, 펀넬 별도**

■ ***Supplied by SciLab Korea*** ■ ***Custom-Made Available / 규격외 Items 자유롭게 주문하세요!***

〈L1〉

		Ea. Price, ₩
SL.Fun2131	Adapter, Vacuum Filter, ASTM-24/40, Φ34mm	22,690
SL.Fun2132	, Φ42mm	25,450
SL.Fun2133	, Φ52mm	28,780
SL.Fun2135.0	, DIN-24/29, Φ34mm	22,920
SL.Fun2136.0	, Φ42mm	25,670
SL.Fun2137.0	, Φ52mm	29,520

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



SciLab® Filter Funnel "Büchner", with 24/40 or 24/29 Cone, 35~1,000㎖
Porosity G2 & G3, Used with Joint Filtering Flasks, Boro Glass 3.3, **조인트부 글라스 필터 펀넬**

■ ***Supplied by SciLab Korea*** ■ ***Custom-Made Available / 규격외 Items 자유롭게 주문하세요!***

※ **Porosity "G"**

- **G1 : 50~70㎛** (Large sediment and Colloidal sediment)
- **G2 : 30~50㎛** (Large sediment and for Gas washing)
- **G3 : 16~30㎛** (Fine sediment and for Watermark filter)
- **G4 : 4~7㎛** (Fine or Extremely fine sediment from the Liquid)
- **G5 : 2~4㎛** (Extremely fine sediment and Coliform)

〈L1〉

Funnel Capa. ㎖	Filter Disc Φ	(1) with ASTM 24/40 Joints				(2) with DIN 24/29 Joints			
		G2-porosity		G3-porosity		G2-porosity		G3-porosity	
		Cat. No.	Ea. Price, ₩	Cat. No.	Ea. Price, ₩	Cat. No.	Ea. Price, ₩	Cat. No.	Ea. Price, ₩
35㎖	Φ32mm	**SL.Fun2761**	20,210	**SL.Fun2762**	20,210	**SL.Fun2761.2**	20,210	**SL.Fun2762.3**	20,210
60㎖	Φ40mm	**SL.Fun2765**	20,850	**SL.Fun2766**	20,850	**SL.Fun2765.2**	20,850	**SL.Fun2766.3**	20,850
100㎖	Φ53mm	**SL.Fun2769**	25,690	**SL.Fun2770**	25,690	**SL.Fun2769.2**	25,690	**SL.Fun2770.3**	25,690
130㎖	Φ65mm	**SL.Fun2773**	36,490	**SL.Fun2774**	36,490	**SL.Fun2773.2**	36,490	**SL.Fun2774.3**	36,490
500㎖	Φ100mm	**SL.Fun2777**	48,340	**SL.Fun2778**	48,340	**SL.Fun2777.2**	48,340	**SL.Fun2778.3**	48,340
1000㎖	Φ124mm	**SL.Fun2781**	74,300	**SL.Fun2782**	74,300	**SL.Fun2781.2**	74,300	**SL.Fun2782.3**	74,300



SciLab® Vacuum Filter Funnel, Büchner with 24/40 or 24/29 Cone, 35~1,000㎖
Porosity G2 & G3, Used with Joint Flasks, Boro Glass 3.3, **진공어댑터부 필터 펀넬**

■ ***Supplied by SciLab Korea*** ■ ***Custom-Made Available / 규격외 Items 자유롭게 주문하세요!***

※ **Porosity "G"**

- **G1 : 50~70㎛** (Large sediment and Colloidal sediment)
- **G2 : 30~50㎛** (Large sediment and for Gas washing)
- **G3 : 16~30㎛** (Fine sediment and for Watermark filter)
- **G4 : 4~7㎛** (Fine or Extremely fine sediment from the Liquid)
- **G5 : 2~4㎛** (Extremely fine sediment and Coliform)

〈L1〉

Funnel Capa. ㎖	Filter Disc Φ	(1) with ASTM 24/40 Joints				(2) with DIN 24/29 Joints			
		G2-porosity		G3-porosity		G2-porosity		G3-porosity	
		Cat. No.	Ea. Price, ₩	Cat. No.	Ea. Price, ₩	Cat. No.	Ea. Price, ₩	Cat. No.	Ea. Price, ₩
35㎖	Φ32mm	**SL.Fun2791**	29,010	**SL.Fun2792**	29,010	**SL.Fun2791.2**	29,010	**SL.Fun2792.3**	29,010
60㎖	Φ40mm	**SL.Fun2795**	29,640	**SL.Fun2796**	29,640	**SL.Fun2795.2**	29,640	**SL.Fun2796.3**	29,640
100㎖	Φ53mm	**SL.Fun2799**	34,480	**SL.Fun2800**	34,480	**SL.Fun2799.2**	34,480	**SL.Fun2800.3**	34,480
130㎖	Φ65mm	**SL.Fun2803**	52,060	**SL.Fun2804**	52,060	**SL.Fun2803.2**	52,060	**SL.Fun2804.3**	52,060
500㎖	Φ100mm	**SL.Fun2807**	66,180	**SL.Fun2808**	66,180	**SL.Fun2807.2**	66,180	**SL.Fun2808.3**	66,180
1000㎖	Φ124mm	**SL.Fun2811**	92,130	**SL.Fun2812**	92,130	**SL.Fun2811.2**	92,130	**SL.Fun2812.3**	92,130



DURAN® Slit-sieve Filter Funnel, Büchner with Perforated Plate and ASTM or DIN, 70~1,000㎖
Ideal for Filter Papers or Cloth, Borosilicate Glass 3.3, **조인트부 시브 필터 펀넬**

■ ***Supplied by SciLab Korea*** ■ ***Custom-Made Available / 규격외 Items 자유롭게 주문하세요!***

∗ Glass Support for Membrane & Paper Filters or Cloth Filters

〈L1〉

Sieve Filter Funnel, ㎖, Φ	(1) with ASTM 24/40		(2) with DIN 24/29	
	Cat. No.	Ea. Price, ₩	Cat. No.	Ea. Price, ₩
70㎖, Φ45mm Filters	**SL.Fun2120**	152,350	**SL.Fun2125.2**	152,350
125㎖, Φ55mm Filters	**SL.Fun2121**	175,520	**SL.Fun2126.2**	175,520
220㎖, Φ70mm Filters	**SL.Fun2122**	285,220	**SL.Fun2127.2**	285,220
500㎖, Φ90mm Filters	**SL.Fun2123**	287,870	**SL.Fun2128.2**	287,870
1000㎖, Φ110mm Filters	**SL.Fun2124**	414,790	**SL.Fun2129.2**	414,790

Articles	Cat. No	Description



Porcelain Büchner Funnel, with Fixed Perforated Plate, 2~7,500㎖

Up to 1000℃, Glazed In- & Out-side(Except Rim), **자제 부후너 깔때기, 내/외면 유약처리**

〈L1〉

■ ***High Chemical Resistance Acid and Alkaline, Excepted Hydrofluoric Acid***

					Pk.	Price, ₩
SC.BF13	Funnel, Buchner, 2㎖	Plate/Stem Φ14/9㎜	Total/Stem h64/36㎜	for Filter-Φ13㎜	1ea	4,730
SC.BF35	30㎖	Φ41/14㎜	h89/45㎜	-Φ35~40㎜	1ea	8,090
SC.BF45	35㎖	Φ48/18㎜	h110/67㎜	-Φ45㎜	1ea	8,430
SC.BF55	80㎖	Φ62/24㎜	h120/69㎜	-Φ55㎜	1ea	11,870
SC.BF70	186㎖	Φ77/16㎜	h143/65㎜	-Φ70㎜	1ea	14,230
SC.BF90	320㎖	Φ97/18㎜	h160/79㎜	-Φ90㎜	1ea	20,370
SC.BF110	550㎖	Φ112/18㎜	h195/90㎜	-Φ110㎜	1ea	31,970
SC.BF125	700㎖	Φ130/20㎜	h202/93㎜	-Φ125㎜	1ea	35,870
SC.BF150	950㎖	Φ156/24㎜	h221/110㎜	-Φ150㎜	1ea	62,270
SC.BF185	1,700㎖	Φ192/29㎜	h270/115㎜	-Φ185㎜	1ea	95,750
SC.BF240	4,500㎖	Φ248/34㎜	h350/135㎜	-Φ240㎜	1ea	425,940
SC.BF320	7,500㎖	Φ325/45㎜	h405/154㎜	-Φ320㎜	1ea	503,390



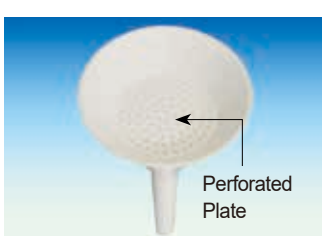


Kartell® PP Separable Büchner Funnel, <Italy-Made> PP 분리형 부후너 깔때기

∗ -10℃+125/140℃, Autoclavable, White PP Excellent Chemical Resistance
∗ Two Piece Construction Top and Bottom can be Separated for Easy and Total Cleaning
∗ Robust, Lightweight. Unbreakable and Resistant ∗ Suitable for Foodstuff

〈L1〉

	(1) Buchner Funnel PP			(2) Optional HDPE Filter- Screen Discs, Pore Size 300㎛, for Buchner funnels		
Funnel Φ, ㎖	Cat. No.	Ea. Price, ₩	Pk. Price, ₩	Filterdisc Φ	Cat. No.	Pk. Price, ₩
Disc Φ45mm , Capa. 40㎖	**KA.437**	21,620	110ea 2,305,780	Φ45mm	**KA.835**	10ea 19,600
Disc Φ55mm , Capa. 70㎖	**KA.438**	24,420	80ea 1,894,080	Φ55mm	**KA.836**	10ea 20,030
Disc Φ70mm , Capa. 180㎖	**KA.439**	24,990	40ea 969,130	Φ70mm	**KA.837**	10ea 20,620
Disc Φ80mm , Capa. 285㎖	**KA.440**	31,070	34ea 1,024,480	Φ80mm	**KA.838**	10ea 21,080
Disc Φ90mm , Capa. 390㎖	**KA.441**	42,570	-	Φ90mm	**KA.839**	10ea 21,750
Disc Φ110mm, Capa. 810㎖	**KA.442**	57,880	-	Φ110mm	**KA.840**	10ea 22,220
Disc Φ160mm, Capa. 2100㎖	**KA.443**	99,670	-	Φ160mm	**KA.843**	10ea 22,780
Disc Φ240mm, Capa. 6000㎖	**KA.445**	170,400	-	Φ240mm	**KA.844**	10ea 24,720



Porcelain Hirsch Funnel, Built-in Fixed Perforated Plate, Φ30~Φ94mm

Up to 1,000℃, Glazed In- & Out-side(Except Rim), **자제 히르슈 깔때기, 내부에 여과 천공판**

〈L1〉

■ ***High Chemical Resistance Acid and Alkaline, Excepted Hydrofluoric Acid***

				Pk.	Price, ₩
SC.J780	Funnel, HIRSCH, 2㎖	Φ30×h50mm	for Filter-Φ10mm	1ea	5,840
SC.J193	10㎖	Φ42×h70mm	-Φ13~15mm	1ea	6,800
SC.J195		Φ50×h87mm	-Φ25~30mm	1ea	8,090
SC.J196	50㎖	Φ78×h132mm	-Φ40~47mm	1ea	11,970
SC.J797	130㎖	Φ94×h178mm	-Φ55mm	1ea	17,130



SciLab® Filter Funnel, DURAN glass, with Par-P2 or P3, Φ70~Φ100mm

Made of Borosilicate-glass 3.3, **글라스 필터 펀넬**

■ ***Supplied by SciLab Korea***

〈L1〉

∗ P1 : 100~160㎛ ∗ P2 : 40~100㎛ ∗ P3 : 16~40㎛

			Ea.	Price, ₩
SL.GL231151	Filter, Funnel, Φ70×h135mm	P2		26,930
SL.GL231152	Φ70×h135mm	P3		27,500
SL.GL231153	Φ80×h150mm	P2		27,430
SL.GL231154	Φ80×h150mm	P3		27,800
SL.GL231155	Φ100×h190mm	P2		31,630
SL.GL231156	Φ100×h190mm	P3		32,280

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



Joint Stem Filter Funnel, Φ70~Φ100mm, with ASTM-24/40 & DIN-24/29 Joint
Made of Borosilicate-glass 3.3, **조인트부 글라스 필터 펀넬**

■ ***Supplied by SciLab Korea*** ■ ***Custom-Made Available / 규격외 Items 자유롭게 주문하세요!***

∗ P1 : 100~160㎛ ∗ P2 : 40~100㎛ ∗ P3 : 16~40㎛ ∗ P4 : 10~16㎛ ∗ P5 : 1~1.6㎛

〈L1〉

	(1) with ASTM 24/40		(2) with DIN 24/29	
Joint Stem Filter Funnels, Φ × h	Cat. No.	Ea. Price, ₩	Cat. No.	Ea. Price, ₩
Φ70×h135mm, P2	**SL.GL231161**	46,520	**SL.GL231161D.0**	46,520
Φ70×h135mm, P3	**SL.GL231162**	46,890	**SL.GL231162D.0**	46,890
Φ80×h190mm, P2	**SL.GL231163**	46,740	**SL.GL231163D.0**	46,740
Φ80×h190mm, P3	**SL.GL231164**	47,120	**SL.GL231164D.0**	47,120
Φ100×h230mm, P2	**SL.GL231165**	53,790	**SL.GL231165D.0**	53,790
Φ100×h230mm, P3	**SL.GL231166**	51,670	**SL.GL231166D.0**	51,670



(1) Analytical Funnel, with Long Stem



(2) Standard Funnel

Popular Boro-glass Funnel, with 60° angle, Φ40~Φ300mm
Made of Borosilicate-glass 3.3, Used with Filter Papers, **기본형 글라스 펀넬**

■ ***Supplied by SciLab Korea***

〈L1〉

(1) Analytical Funnel, with Long Stem

			Ea. Price,₩	Pk.	Price, ₩
SL.Fun2503	Funnel, gl, Φ50 , Stem - Φ7×L150mm	, for F. Paper - Φ55~70mm	2,350	32ea	72,950
SL.Fun2504	, Φ60 , - Φ8×L150mm	, - Φ70~90mm	2,820	13ea	35,570
SL.Fun2505	, Φ75 , - Φ9×L150mm	, - Φ110~125mm	3,300	10ea	32,010
SL.Fun2506	, Φ90 , - Φ11×L150mm,	- Φ125~150mm	4,130	8ea	32,050
SL.Fun2507	, Φ100, - Φ13×L210mm,	- Φ150~185mm	11,900		

(2) Standard Funnel

			Ea. Price,₩	Pk.	Price, ₩
SL.Fun2011	Funnel, gl, Φ40 , Stem - Φ6×L40mm	, for F. Paper - Φ45~55mm	1,790	16ea	27,790
SL.Fun2012	, Φ50 , - Φ7×L50mm	, - Φ55~70mm	2,080	16ea	32,290
SL.Fun2013	, Φ60 , - Φ8×L60mm	, - Φ70~90mm	2,420	10ea	23,480
SL.Fun2014	, Φ75 , - Φ9×L75mm	, - Φ110~125mm	2,680	10ea	26,000
SL.Fun2015	, Φ90 , - Φ11×L90mm	, - Φ125~150mm	3,340	10ea	32,400
SL.Fun2016	, Φ100, - Φ12×L100mm,	- Φ150~185mm	3,620	6ea	21,070
SL.Fun2021	, Φ120, - Φ14×L120mm,	- Φ185~240mm	9.330	8ea	72,410
SL.Fun2022	, Φ150, - Φ16×L150mm,	- Φ240~270mm	14,250	2ea	27,650
SL.Fun2023	, Φ180, - Φ20×L180mm,	- Φ270~320mm	51,220	2ea	99,370
SL.Fun2024	, Φ210, - Φ22×L210mm,	- Φ320~385mm	66,230	2ea	128,490
SL.Fun2025	, Φ240, - Φ26×L240mm,	- Φ385~400mm	87,350	2ea	169,460
SL.Fun2026	, Φ300, - Φ34×L300mm,	- Φ400~460mm	131,420	2ea	254,960



SciLab® Joint 60° Angle Glass Funnel, Φ40~Φ100mm, with ASTM or DIN Joint 14/23 · 24/40 · 24/29
Boro-glass 3.3, **조인트부 글라스 펀넬**

■ ***Supplied by SciLab Korea*** ■ ***Custom-Made Available / 규격외 Items 자유롭게 주문하세요!***

〈L1〉

	(1) with ASTM Joint			(2) with DIN Joint		
Joint 60° Angle Glass Funnel, Φmm	Joint No.	Cat. No.	Ea. Price, ₩	Joint No.	Cat. No.	Ea. Price, ₩
Φ40	14/23	**SL.Fun2511**	5,940	-	-	-
Φ60	〃	**SL.Fun2512**	5,940	-	-	-
	24/40	**SL.Fun2522**	7,640	24/29	**SL.Fun2532**	7,640
Φ80	〃	**SL.Fun2523**	8,070	〃	**SL.Fun2533**	8,070
Φ100	〃	**SL.Fun2524**	9,500	〃	**SL.Fun2534**	9,500



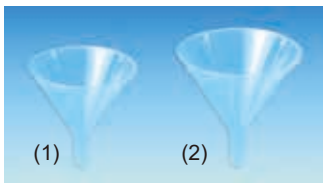
SciLab® Premium Glass Stopcock Funnel, with 60° Angle
Borosilicate Glass 3.3, **고품질 스탑콕 펀넬, 유리콕**

■ ***Supplied by SciLab Korea***
■ ***Custom-Made Available / 규격외 Items 자유롭게 주문하세요!***

〈L1〉

		Ea.	Price, ₩
SL.GL231143	Funnel, Cock bore Φ2.5mm, Φ70×h150mm		43,900
SL.GL231144	, Φ80×h170mm		44,230
SL.GL231145	, Φ100×h210mm		47,830

Articles	Cat. No	Description



Simport® Disposable Funnel, PP, with 60° Angle & Inside Fluting, Φ56 & 63mm
Made of Polypropylene(PP), −10℃+125/140℃, PP **일회용 투명 깔때기**

■ ***Supplied by Simport® in Canada*** ＊Made of Translucent Polypropylene(PP)

〈L1〉

		Pk.	Price,₩	Cs.	Price, ₩
SP.F490.3	(1) Funnel, PP, Φ56×h69mm, Stem-Φ5.1mm	10ea	4,780	100ea	45,180
SP.F490.4	(2) , Φ63×h75mm, -Φ5.0mm	10ea	5,330	100ea	50,640



Short Stem Mini Funnel for 15㎖ Tube, PP, Φ60×h50.5mm, Stem Φ15×L10.4mm
For 15㎖ Tube Filling, Transparent, Autoclavable, −10℃+125/140℃ Stable, 15㎖ **튜브용 깔때기**

■ ***Supplied by SciLab Korea*** ■ ***Can be used with 15㎖ Centrifuge Tubes***

＊Made of High Grade PP, Resistant to Most Chemicals. ＊Short-stem Φ15×L10.4mm

＊Funnel comes with a Short Bore that works Best for Liquids.

〈L1〉

		Ea. Price,₩	Pk.	Price, ₩
SL.Fun3031	Funnel, PP, For 15㎖ Centri Tube, Funnel Φ60×h50.5mm	840	25ea	18,680



PP Analyst Funnel w / Int & Ext- Ribs

Kartell® Analyst Slope-Ribs Funnel, PP, Standard Stem, Φ27~Φ183mm, 4㎖~1,300㎖
With Int- & Ext-Ribs for Rapid Filtration, Autoclavable, <Italy-Made> −10℃+125/140℃, PP **투명 분석용 펀넬**

■ ***Translucent PP(Polypropylene) : Good Chemical / Thermal stability -10℃+125/140℃***

＊For Standard Filter Papers, Bowl-angle 60°, Internal & External Ribs

〈L1〉

		Ea. Price,₩	Cs.	Price, ₩
KA.145	Analy Funnel, PP, 4㎖ , Φ27mm , Stem-Φ4×L37mm	1,220	20ea	23,280
KA.146	, 10㎖ , Φ37mm , -Φ5×L37mm	1,430	20ea	27,580
KA.147	, 20㎖ , Φ46mm , -Φ5×L43mm	1,750	20ea	33,680
KA.148	, 50㎖ , Φ66mm , -Φ10×L62mm	2,850	20ea	55,090
KA.150	, 100㎖ , Φ81mm , -Φ11×L70mm	3,570	20ea	68,900
KA.152	, 200㎖ , Φ100mm, -Φ11×L82mm	4,370	10ea	42,180
KA.153	, 350㎖ , Φ120mm, -Φ11×L86mm	4,680	10ea	45,200
KA.155	, 700㎖ , Φ150mm, -Φ14×L115mm	8,090	5ea	39,180
KA.156	, 1,300㎖, Φ183mm, -Φ4×L140mm	10,850	5ea	52,540



Kartell® Analyst Long Stem Rapid Funnel, PP, with Int-& Ext-Ribs, Φ65~Φ105mm
With 60° Angle, −10℃+125/140℃, <Italy-Made> PP **분석용 장족 홈 깔때기**

■ ***Made of Transparent Polypropylene(PP)***

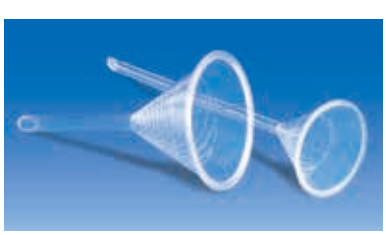
＊Suitable for Foodstuff ＊Autoclavable

＊with Ribs for Fast Filtration and allow the Use of Standard Size Filter Paper.

〈L1〉

		Ea. Price,₩	Cs.	Price, ₩
KA.162	Funnel, PP Long, Φ65 , Stem-Φ8×L150mm, for Filter Paper-70~90mm	12,100	10ea	117,300
KA.164	, Φ80 , -Φ8×L150mm, -110~125mm	13,750	10ea	133,350
KA.165	, Φ105, -Φ8×L150mm, -150~185mm	15,300	10ea	148,370

VITLAB® Premium Analyst Funnel with Spiral-shape Ribs, PMP, Long-stem, Rapid Filtration, Φ51~Φ196mm, 30~1,800㎖
With Int-Ribs and Ext-Ridges, 60° Angle, Crystal-Clean, Autoclavable, 0℃~150/180℃, <USA-Made> PMP **투명 분석용 펀넬, 정밀신속**



■ ***Transparent PMP(Polymethylpentene) : Good Chemical / Thermal Stability 150℃***

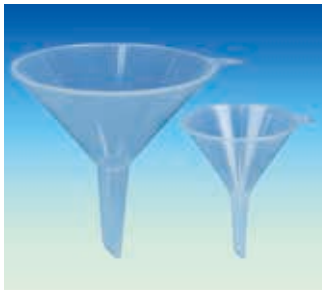
＊For Standard Filter Papers, Bowl-angle 60° Int-Spiral Ribs, Ext-Ridges

〈L1〉

		Ea. Price,₩	Cs.	Price, ₩
VI.3250.95	Analy. Funnel, PMP, 30㎖ , Φ51×L195, Stem-Φ3×L150, for F.Paper-Φ70~90mm	18,670	6ea	108,580
VI.3251.95	, 80㎖ , Φ70×L210, Stem-Φ3×L150, for F.Paper-Φ100~125mm	25,880	6ea	150,570
VI.3252.95	, 250㎖ , Φ100×L198, Stem-Φ7×L108, for F.Paper-Φ150~185mm	30,930	4ea	119,950
VI.3253.95	, 630㎖ , Φ140×L247, Stem-Φ10×L132, for F.Paper-Φ220~240mm	66,350	3ea	193,070
VI.3254.95	, 1,800㎖, Φ196×L315, Stem-Φ20×L155, for F.Paper-Φ320over mm	81,280	2ea	157,670

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



SciLab® Transparent Funnel, PP, with 60° Angle, Autoclavable, Φ80~205mm
With Handle/Loop for Hanging, −10℃+125/140℃, <Korea-Made> PP 투명펀넬

- ***Made in Korea***
- ***Made of Transparent Polypropylene(PP), with Handle / Hanging Loop***
- ***편리하게 잡을 수 있도록 손잡이가 있어 안전하게 사용 가능***
- ***Excellent Chemical Resistant to Acid, Alkali & Organic Solvent***

〈L1〉

		Ea.	Price, ₩
SL.Fun3012	Funnel, Transparent, PP, Φ80×h115mm , Stem-Φ12×L60mm		890
SL.Fun3013	, Φ100×h145mm, -Φ13×L70mm		1,300
SL.Fun3014	, Φ125×h165mm, -Φ17×L80mm		2,000
SL.Fun3015	, Φ150×h210mm, -Φ18×L100mm		2,300
SL.Fun3016	, Φ205×h235mm, -Φ30×L120mm		4,200



VITLAB® Premium Funnel, PP, 60° Angle, Rapid Flour, Translucent, 5~817㎖, Φ30~150mm
With Handle, Hanging Loop, Autoclavable, 0℃~125/140℃, <Germany-Made> PP 고품질 투명펀넬

∗ 408.94 Item 5㎖ : Good for the Filling of Burets

〈L1〉

		Ea. Price,₩	Cs.	Price, ₩
VI.408.94	Funnel, PP, approx., 5㎖ , Φ30×h45 , Stem- Φ1.5×L25mm	880	24ea	19,870
VI.410.94	, 6㎖ , Φ30×h47 , - Φ4×L25mm	880	24ea	19,870
VI.411.94	, 14㎖ , Φ40×h65 , - Φ4×L35mm	1,000	24ea	23,180
VI.412.94	, 32㎖ , Φ50×h85 , - Φ7×L43mm	1,250	24ea	28,970
VI.413.94	, 88㎖ , Φ75×h110 , - Φ6×L55mm	1,520	12ea	17,390
VI.414.94	, 222㎖, Φ100×h155, - Φ8×L77mm	2,500	12ea	28,970
VI.415.94	, 342㎖, Φ120×h180, - Φ11×L90mm	3,570	12ea	41,380
VI.416.94	, 817㎖, Φ150×h220, - Φ15×L95mm	4,930	12ea	57,090



Transparent Powder Funnel, PP, with Wide Stem, Φ70~Φ150mm
Chemical Resistant, Fast & Efficient, Autoclavable, −10℃+125/140℃, PP 투명파우더 펀넬

- ***Made of Transparent Polypropylene(PP)***

(1) SciLab® Φ70 · 85 · 100mm, <Korea-Made>

〈L1〉

		Ea.	Price, ₩
SL.Fun3021	Powder Funnel, Transparent, PP, Φ70×h70mm , Stem-Φ12×L25mm		1,290
SL.Fun3022	, Φ85×h85mm , -Φ15×L30mm		2,000
SL.Fun3023	, Φ100×h95mm, -Φ25×L25mm		2,200

(2) VITLAB® Φ120 & Φ150mm, <Germany-Made>

		Ea. Price,₩	Cs.	Price, ₩
VI.710.94	Funnel, Powder, Φ120×h105mm, Stem-Φ27×L22mm	5,100	10ea	49,300
VI.711.94	, Φ150×h138mm, -Φ28×L22mm	7,150	5ea	34,650



VITLAB® Half-round Funnel, PP, Ideal for Joint Multi-neck Flasks, Φ40~Φ75mm
Suitable for Standard Joint(Socket), 0℃~125/140℃, <Germany-Made> PP 1면 평(Flat) 깔때기

- ***Made of Translucent Polypropylene(PP)***

∗ Ideal for Joint Multi-neck Flasks ∗ Autoclavable, No-Breakage.

〈L1〉

		Ea. Price,₩	Cs.	Price, ₩
VI.704.94	Funnel, Half, Stem - 14×L17 , Φ40×h75mm	5,670	10ea	54,820
VI.705.94	- 19×L23 , Φ50×h95mm	7,630	10ea	73,770
VI.706.94	- 24/29×L30, Φ75×h135mm	9,330	5ea	45,170



Azlon® Industrial Funnel, HDPE, Transparent, Top ID. Φ80~Φ380mm
With Handle/Hanging Loop, Non-Autoclavable, −50℃+105/120℃, 산업용 플라스틱 PE 깔때기

- ***Supplied by Azlon® in UK***

∗ Rigid Industrial Funnels in Polyethylene ∗ Feature Straight sided upper Position to Prevent Spillage ∗ with Handle/Hanging Loop

〈L1〉

		Ea.	Price, ₩	Pk.	Price, ₩
Az.FWC102	Funnels, Industrial, HDPE, Top Φ80mm , h80mm , Stem O.D 9mm		2,470	10ea	23,800
Az.FWC104	, Top Φ100mm, h102mm, O.D 11mm		2,800	10ea	27,050
Az.FWC106	, Top Φ120mm, h121mm, O.D 12mm		4,430	10ea	42,900
Az.FWC108	, Top Φ140mm, h141mm, O.D 13mm		5,550	5ea	26,870
Az.FWC110	, Top Φ180mm, h181mm, O.D 17mm		7,930	5ea	38,400
Az.FWC112	, Top Φ230mm, h226mm, O.D 21mm		10,720	5ea	51,920
Az.FWC114	, Top Φ245mm, h239mm, O.D 24mm		16,840		
Az.FWC116	, Top Φ290mm, h277mm, O.D 27mm		21,640		
Az.FWC118	, Top Φ380mm, h351mm, O.D 36mm		39,500		

Articles	Cat. No	Description



Anti-Static Black Funnel, PP, Electric Static Discharge, Φ132~Φ174, PP 깔때기, 정전방지용

∗ Surface Resistivity : 10^3~10^4 Ω

〈L2〉

		Ea.	Price, ₩
SL.Fun3201	Funnel, PP, od-Φ148, Stem-Φ13×h44mm		8,070
SL.Fun3202	-Φ174, -Φ15×h55mm		8,890
SL.Fun3203	-Φ132, -Φ40×h20mm		8,070



Cowie® PTFE Funnel, Heavy Wall Construction, Autoclavable, Φ30~Φ150mm

Ideal for Strong Chemicals, Anti-corrosive, −200℃+280℃, <UK-Made> PTFE 깔때기

∗ Totally Chemically Inert with Super Smooth Non-stick Internal Finish

〈L1〉

		Ea.	Price, ₩
CW.039.030	Funnel, PTFE, Φ30×h50mm , Stem-Φ8mm		28,150
CW.039.050	, Φ50×h85mm , -Φ10mm		38,250
CW.039.070	, Φ70×h110mm , -Φ12mm		55,980
CW.039.100	, Φ100×h170mm, -Φ14mm		115,130
CW.039.150	, Φ150×h220mm, -Φ16mm		201,120

, General Purpose-Stainless steel 다용도 펀넬



Bochem® Φ27~31mm Stainless-steel MINI-Funnel, Draweds Seamless

For Quality Control Analysis, Non-magnetic Stainless-18/10, Finished Surface, 스텐 "미니" 펀넬, 비자성

■ ***Supplied by Bochem® in Germany***

∗ The Vessel of Figure : Not Included in Delivery.

〈L1〉

		Ea.	Price, ₩
BC.8855	Stainless-steel MINI-Funnel, Φ27 / 4×h50mm		10,100
BC.8856	, Φ27 / 6×h50mm		10,100
BC.8857	, Φ29 / 8×h50mm		10,100
BC.8858	, Φ31 / 10×h50mm		10,100



General purpose Stainless-steel Funnel, 60°-angled, Top Φ80~Φ200mm

With Rim & Handle, Non-magnetic 18/10 Stainless-steel, Rust-free, 범용 스텐 펀넬

■ ***Supplied by SciLab Korea*** ■ ***Handle이 부착되어 있어 작업이 편리함***

∗ Good for Economic Work.

〈L1〉

		Ea.	Price, ₩
SL.Fun7011	Funnel, Stainless-steel, Φ80×h115mm , Stem-Φ13/17×L60mm		10,740
SL.Fun7012	, Φ100×h125mm, -Φ13/17×L65mm		16,130
SL.Fun7013	, Φ120×h145mm, -Φ13/17×L80mm		21,450
SL.Fun7014	, Φ150×h190mm, -Φ21/27×L90mm		26,830
SL.Fun7015	, Φ200×h220mm, -Φ21/27×L90mm		32,170



Φ150~Φ250mm Large Volume Stainless-steel Funnel, for Heavy Duty & Industry

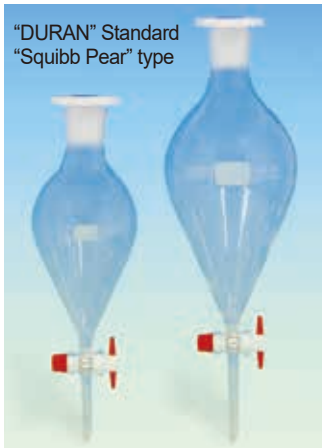
High Quality, Seamless & Finished Surface, <Korea-Made> 중·대형 스텐 깔때기

〈L3〉

		Ea.	Price, ₩
C9.5603	Stainless-steel Funnel, Φ150×h100mm, Stem-Φ16×L30mm		26,250
C9.5604	, Φ200×h140mm, -Φ32×L30mm		38,680
C9.5605	, Φ250×h160mm, -Φ32×L30mm		52,490

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



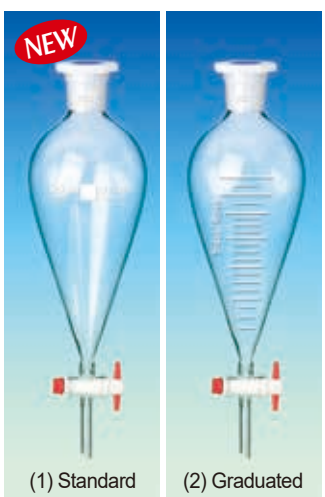
SciLab® Premium "Squibb-Pear" Separatory Funnel, with PTFE-plug & PE-stoppers, 100~5,000㎖
DURAN-glass 3.3, DIN/ISO, 표준 스커브 피어형 분액깔때기

■ ***Supplied by SciLab Korea*** ■ ***Custom-Made Available / 규격외 Items 자유롭게 주문하세요!***

∗ Useful for Separating, Mixing, Dropping with Specific Gravity of Different Liquid.

〈L1〉

Cat. No		Ea.	Price, ₩
SL.Fun2141	Funnel, Sepa., 100㎖ , Φ64×h220mm , Socket 19/26, plug Bore-2.0mm		64,780
SL.Fun2142	, 250㎖ , Φ85×h280mm , Socket 29/32, -2.5mm		72,450
SL.Fun2143	, 500㎖ , Φ105×h310mm, Socket 29/32, -2.5mm		79,940
SL.Fun2144	, 1,000㎖, Φ131×h350mm, Socket 29/32, -4.0mm		99,520
SL.Fun2145	, 2,000㎖, Φ166×h430mm, Socket 29/32, -4.0mm		163,750
SL.Fun2146	, 3,000㎖, Φ187×h530mm, Socket 34/35, -6.0mm		229,690
SL.Fun2147	, 5,000㎖, Φ220×h590mm, Socket 34/35, -6.0mm		261,590



SciLab® "Squibb" Separatory Funnel, Standard- or Graduated-type, 125~2,000㎖
With PTFE-plug & 29/32 PE-stoppers(except 125㎖), Boro-glass 3.3, "스커브"형 분액깔때기

■ ***PE Stopper Size : 29/32, But 125㎖-19/26.***

〈L1〉

(1) Standard-type

Cat. No		Ea. Price,₩	Pk.	Price, ₩
SL.Fun2602	Funnel, Sepa., 125㎖ , Φ65×h260mm, plug Bore-3mm	28,490	2ea	55,280
SL.Fun2603	, 250㎖ , Φ59×h290mm, plug Bore-3mm	29,920	2ea	58,050
SL.Fun2604	, 500㎖ , Φ96×h330mm, plug Bore-3.5mm	37,030	2ea	71,840
SL.Fun2605	, 1,000㎖, Φ120×h400mm, plug Bore-3.5mm	45,570	2ea	88,400
SL.Fun2606	, 2,000㎖, Φ150×h460mm, plug Bore-4mm		1ea	96,870

(2) Graduated-type

Cat. No		Ea. Price,₩	Pk.	Price, ₩
SL.Fun2612	Funnel, Sepa., Graduated, 125 / 5㎖ , Φ65×h260mm, plug Bore-3mm	31,880	2ea	61,850
SL.Fun2613	, 250 / 10㎖ , Φ79×h290mm, plug Bore-3mm	33,300	2ea	64,610
SL.Fun2614	, 500 / 20㎖ , Φ96×h330mm, plug Bore-3.5mm	40,420	2ea	78,420
SL.Fun2615	, 1,000 / 50㎖, Φ120×h400mm, plug Bore-3.5mm	48,970	2ea	95,010
SL.Fun2616	, 2,000 / 50㎖, Φ150×h460mm, plug Bore-4mm		1ea	100,270



SciLab® Premium Amber Glass "Squibb-Pear" Separatory Funnel, for UV-protection, 100~2,000㎖
With PTFE Plug Stopcock and 29/32 PE Stopper(except 100㎖), 갈색 분액깔때기, "스커브 피어" 형

■ ***Supplied by SciLab Korea*** ■ ***DURAN-glass Stained Amber***

∗ Useful for Separating, Mixing, Dropping with Specific Gravity of Different Liquid.

〈L1〉

Cat. No		Ea. Price,₩	Pk.	Price, ₩
SL.Fun2151	Funnel, Sepa., Amber, 100㎖ , Φ64×h220mm , 2.0mm bore	95,580	2ea	
SL.Fun2152	, 250㎖ , Φ85×h280mm , 2.5mm bore	123,050	2ea	
SL.Fun2153	, 500㎖ , Φ105×h310mm, 2.5mm bore	151,050	2ea	
SL.Fun2154	, 1,000㎖, Φ131×h350mm, 4.0mm bore	206,700	2ea	
SL.Fun2155	, 2,000㎖, Φ166×h430mm, 4.0mm bore	318,000		



SciLab® Jointed-Squibb Separatory Funnel, 24/40 or 24/29 Cone, 125~2,000㎖
With PTFE-Plug & PE Joint Stopper, Borosilicate Glass 3.3, 조인트부 정밀 "스커브" 분액깔때기

■ ***Autoclavable.***

■ ***PTFE Plug Bore : ① 125 & 250㎖-Bore 3mm, ② 500 & 1000㎖-Bore 3.5mm, ③ 2 Lit.-Bore 4mm***

∗ PE Stopper Size : 29/32, But 125㎖-19/26.

〈L1〉

Separatory Funnel	Socket	(1) with ASTM 24/40 Cone			(2) with DIN 24/29 Cone		
		Cat. No.	Pk.	Price, ₩	Cat. No.	Pk.	Price, ₩
125㎖, Φ65×h260mm	19/26	SL.Fun2622	1ea	36,230	SL.Fun2632	1ea	36,230
250㎖, Φ70×h290mm	29/32	SL.Fun2623	1ea	42,630	SL.Fun2633	1ea	42,630
500㎖, Φ96×h330mm	29/32	SL.Fun2624	1ea	51,150	SL.Fun2634	1ea	51,150
1,000㎖, Φ120×h400mm	29/32	SL.Fun2625	1ea	59,680	SL.Fun2635	1ea	59,680
2,000㎖, Φ150×h460mm	29/32	SL.Fun2626	1ea	102,290	SL.Fun2636	1ea	102,290

Articles	Cat. No	Description



SciLab® Premium Jointed "Squibb-Pear" Separatory Funnel, 24/40 or 24/29 Cone, 100~2,000㎖
DURAN-glass 3.3, with PTFE-plug Stopcock & PE Stopper, 조인트부 "스퀴브 피어" 분액깔때기

■ ***Supplied by SciLab Korea*** ■ ***With 29/32 Socket & PE Stopper, only 100㎖ with 19/26 Stopper.***
∗ 14/23 cone 100㎖ Available.

〈L1〉

Separatory Funnel, ㎖, socket, Φ × h, bore	With ASTM 24/40 Cat. No.	Ea. Price, ₩	With DIN 24/29 Cat. No.	Ea. Price, ₩
Standard-squibb type, 14/23 cone, 19/26 socket, 100㎖, Φ64×h220mm, 2.0mm bore (plug)	**SL.Fun2161**	76,220	**SL.Fun2161**	76,220
Standard-squibb type, 19/26 socket, 100㎖, Φ64×h220mm, 2.0mm bore (plug)	**SL.Fun2162**	79,400	**SL.Fun2162.0**	79,400
Standard-squibb type, 29/32 socket, 250㎖, Φ85×h280mm, 2.5mm bore (plug)	**SL.Fun2163**	87,290	**SL.Fun2163.0**	87,290
Standard-squibb type, 29/32 socket, 500㎖, Φ105×h310mm, 2.5mm bore (plug)	**SL.Fun2164**	94,770	**SL.Fun2164.0**	94,770
Standard-squibb type, 29/32 socket, 1,000㎖, Φ131×h350mm, 4.0mm bore (plug)	**SL.Fun2165**	116,540	**SL.Fun2165.0**	116,540
Standard-squibb type, 29/32 socket, 2,000㎖, Φ166×h430mm, 4.0mm bore (plug)	**SL.Fun2166**	182,240	**SL.Fun2166.0**	182,240

SciLab® Premium Professional Separatory Funnel, with PTFE Plug Stopcock, with/without Joint, 100~2,000㎖
DURAN-glass 3.3, with PTFE/Silicone Septa (3mm-thick) Sealed DURAN® Red PBT Screwcap/180℃-stable, 스크류캡 분액 깔때기


A. Standard



B. Jointed

■ ***Supplied by SciLab Korea*** ■ ***Ideal for Chemical-/ Heat-/ Corrosion-Resistance and Safety***
■ ***DURAN® High-temp Red PBT(Polybutylenterephthalat ; 180℃ Stable) DIN GL Screwcap with 3mm-thick Sealing Septa of 0.3mm PTFE / 2.7mm Silicone.***

A. Standard

〈L1〉

Cat. No.	Description	Price,₩
SL.Fun2191	Separatory, Standard-squibb type, 100 ㎖, Φ64×h220mm , 2.0mm bore(plug), GL25 Red PBT cap	1ea 71,540 2ea 143,800
SL.Fun2192	〃 , 250 ㎖, Φ85×h228mm , 2.5mm bore(plug), GL32 Red PBT cap	1ea 79,750 2ea 159,500
SL.Fun2193	〃 , 500 ㎖, Φ105×h310mm, 2.5mm bore(plug), GL32 Red PBT cap	1ea 85,200 2ea 170,400
SL.Fun2194	〃 , 1 Lit , Φ131×h350mm, 4.0mm bore(plug), GL32 Red PBT cap	1ea 107,970 2ea 215,940
SL.Fun2195	〃 , 2 Lit , Φ166×h430mm, 4.0mm bore(plug), GL32 Red PBT cap	1ea 170,390

B. With Cone Joint NEW

Separatory Funnel			(1) with ASTM 24/40 Cone			(2) with DIN 24/29 Cone		
Volume	Bore(Plug)	Cap	Cat. No.	Pk.	Price, ₩	Cat. No.	Pk.	Price, ₩
250㎖, Φ85×h280mm	2.5mm	GL32	**SL.Fun2202**	1ea	95,900	**SL.Fun2210**	1ea	95,900
500㎖, Φ105×h310mm	2.5mm	GL32	**SL.Fun2203**	1ea	101,380	**SL.Fun2211**	1ea	101,380
1,000㎖, Φ131×h350mm	4.0mm	GL32	**SL.Fun2204**	1ea	120,750	**SL.Fun2212**	1ea	120,750
2,000㎖, Φ166×h430mm	4.0mm	GL32	**SL.Fun2205**	1ea	198,200	**SL.Fun2213**	1ea	198,200



PP Separating Funnel, Good for Strong Acid, Chemical-Inert, 100~500㎖
With PTFE Plug & Screwcap, Autoclavable, −10℃+125/140℃, PP 분액 깔때기

■ ***Supplied by SciLab Korea*** ■ ***Made of Polypropylene : Excellent Contact Clarity & Strength***
∗ with a Self Lubricating PTFE plug, and the PP stopcock is push fitted to the stem of the funnel

〈L1〉

		Ea. Price,₩	Pk.	Price, ₩
SL.Fun3025	Funnel, Sepa., PP, Squibb, w/PTFE plug, 100㎖	13,600	2ea	26,370
SL.Fun3026	, 250㎖	16,080	2ea	31,180
SL.Fun3027	, 500㎖	19,780	2ea	38,350



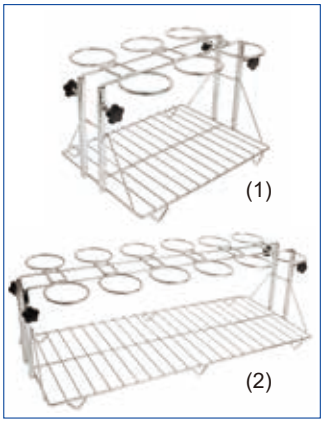
PFA Separating Funnel, Squibb 100 & 500㎖, 01(PFA), 04(FEP), Autoclavable
With Tetrafluoride Stock, Chemical/Heat-Resistant at −200℃+260℃, 테플론(PFA) 분액 깔때기

〈L2〉

		Ea.	Price, ₩
SL.Fun4001	Separating Funnel, Squibb, PFA, 100㎖		176,230
SL.Fun4004	, FEP, 500㎖		488,380

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



SciLab® Universal Funnel Stand, Stainless-steel, Adjustable Height, 6- & 12-holes
Ideal for Funnel & Separator Funnel Holes Φ70~Φ140mm, 스텐선 만능 깔대기 스탠드, 높이 조절식

■ ***Made in Korea***
* Made of Fine Heavy-gauge Stainless-steel Wire.
* With Non-slip Rubber Base Pad and Adjustable Height
* Φ70~Φ90mm Hole Stands : Adjustable Height 190mm~300mm
* Φ115~Φ140mm Hole Stands : Adjustable Height 300mm~500mm

〈L1〉

(1) 6 Holes Funnel Stand

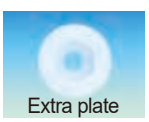
		Ea.	Price, ₩
SL.Sta7011	Funnel Stand, Φ 70mm×6Holes, h19~30cm		59,600
SL.Sta7012	, Φ 90mm×6Holes, h19~30cm		59,600
SL.Sta7013	, Φ115mm×6Holes, h30~50cm		148,170
SL.Sta7014	, Φ140mm×6Holes, h30~50cm		177,150

(2) 12 Holes Funnel Stand

		Ea.	Price, ₩
SL.Sta7021	Funnel Stand, Φ 70mm×12Holes, h19~30cm		80,550
SL.Sta7022	, Φ 90mm×12Holes, h19~30cm		80,550
SL.Sta7023	, Φ115mm×12Holes, h30~50cm		201,290
SL.Sta7024	, Φ140mm×12Holes, h30~50cm		217,370



Utility Funnel Holder, PP, for Φ25~Φ150mm Funnels, Fit to Φ8~Φ11mm Rod
With Extra Reduce Aperture Plate, −10℃+125/140℃, PP 깔대기 홀더, 대소 편넬수용



■ ***Supplied by SciLab Korea***
* Made of Polypropylene
* Corrosion Free.
* Can Hold Funnels Φ25~Φ150mm
* Extra Plate Provided can be Hold Funnels Φ25~Φ76mm.
* Two Tapered Wedges Ensure Firm Grip on Rods Having Φ8~Φ11mm

〈L1〉

		Ea.	Price, ₩
SL.Fun3101	Funnel Holder, with Extra Plate, for 1-Funnel Φ25~150mm		4,350



Kartell® Funnel Holder, PP, for Φ25~Φ170mm Funnels, Fit to Φ8~Φ14mm Rod
−10℃+125/140℃, <Italy-Made> PP 깔대기 홀더

■ ***Single or Double Holder for Funnels of Φ25~Φ170mm***
■ ***Without Adaptor it Can be Used with Powder Funnels with Stem Diameter not Exceeding 35mm.***
* Adapter Can be Adjusted the Holder Inner Diameter
* Screw Tension Clamp for Φ8~Φ14mm Stand Rod

〈L1〉

		Ea.	Price, ₩
KA.268	Funnel Holder, for 1-funnel		23,390
KA.269	, for 2-funnel		30,890



Kartell® Separatory Funnel Holder, PP, for 0.1~1Lit Funnels, Fit to Φ8~Φ14mm Rod
−10℃+125/140℃, <Italy-Made> PP 분액여두 홀더

■ ***Horseshoe Funnel Holder Especially for Separating Funnels over Φ75mm, 100㎖~1,000㎖***
* Screw Tension Clamp for Φ8~Φ14mm Stand Rod
* 140℃ Heat-resistant, Chemical resistance, Corrosion resistant, Impact resistance

〈L1〉

		Ea. Price,₩	Cs.	Price, ₩
KA.970	Funnel Holder, for 1-Separatory Funnel 125-1000mm	12,980	5ea	62,890

Articles	Cat. No	Description

DAIHAN® 1,100℃ 0.4Lit Dental Compact Porcelain Furnace "FUR040.P", with Ceramic Fiber Dish, Cylindrical Φ90×h65mm

For Pigmentation on the Outside of the Prosthesis, Short Heat-up Time, High Quality Insulation : Ceramic Fiber Board, **치과용 전기로, 원통형**



Figure ; Close Door

- ***Supplied by DAIHAN Korea*** ■ ***PL (Product Liability) Insurance***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
- ***세라믹, 지르코니아 등 보철물 외면에 착색, 색상 발현 용도에 적합***
- ∗ Suitable for Coloring and Color Expression on the Outer Surface of Prosthesis
- ∗ Door Opening can be Fixed with a Door Fixing Handle
- ∗ Light Weight and Easy to move

※ **운임 별도** 〈L1〉

Spec. \ Model		"FUR040.P"
Temp Range		400℃ ~ 1,100℃
Capacity (Chamber)		0.4 Lit, Cylindrical Φ90×h65mm
Heater / Power		Kanthal A1, Inside Spiral Quartz Tube / 1.1kW
Thermocouple		K-Type Thermocouple
Timer		99hr 59min
Display		Digital LCD Display
Controller		Digital PID Programmable Controller
Program Function		5 Patterns with 9 Segments
Material / Insulation		External - Powder Coated Steel / Internal - Ceramic Fiber Insulation
Dimension (w×d×h)	Internal (mm)	Φ90×h65
	External (mm)	w270×d290×h340
Gross Weight		16kg
Electrical Reqts.		1Phase, AC120V, 60Hz or AC 230V, 50/60Hz
Cat. No.	230V	DH.FurP040
	120V	DH.FurP041
Price, Each. ₩		1,785,000

DAIHAN® 1,650℃ 0.7 & 1.8Lit Dental Sintering Furnace "FUR070.S" & "FUR180.S", with Ceramic Fiber Dish, 2-Side Heating

For Firmly Fixing the Prothesis, Exposed Heating Elements, Short Heat-up Time, High Quality Insulation : Ceramic Fiber Board, **치과용 고온 전기로**





Figure ; Close Door



(1) Ceramic Fiber Dish



(2) Ceramic Fiber Stand

- ***Supplied by DAIHAN Korea*** ■ ***PL (Product Liability) Insurance***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
- ***세라믹, 지르코니아 등 보철물을 가열하여 단단히 고결하는데 적합***
- ∗ Suitable for Heating and Solidifying Prosthesis
- ∗ Door Opening can be Fixed with a Door Fixing Handle
- ∗ Light Weight and Easy to move

※ **운임 별도** 〈L1〉

Spec. \ Model		"FUR070.S"	"FUR180.S"
Temp Range		500℃ ~ 1,650℃	
Capacity		0.7 Lit	1.8 Lit
Heater / Power		$MoSi_2$ Heater, 2-Side Heating / 600W	$MoSi_2$ Heater, 2-Side Heating / 1.4kW
Thermocouple		B-Type Thermocouple	
Timer		99hr 59min	
Display		Digital LCD Display	
Controller		Digital PID Programmable Controller, EPC3004	
Program Function		20 Patterns with 8 Segments	
Material / Insulation		External - Powder Coated Steel / Internal - Ceramic Fiber Insulation	
Dimension (w×d×h)	Internal (mm)	90×95×90	120×130×120
	External (mm)	320×380×490	350×420×560
Gross Weight		31kg	41kg
Electrical Reqts.		1Phase, AC120V, 60Hz or AC 230V, 50/60Hz	
Cat. No.	230V	DH.FurS070	DH.FurS180
	120V	DH.FurS071	DH.FurS181
Price, Each. ₩		7,645,000	10,564,000

Spare ; DH.FurS5003	(1) Ceramic Fiber Dish, 80×83×h16mm, for "Fur.S"	₩ 68,000 / Ea
; DH.FurS5004	, 80×83×h32mm, for "Fur.S"	₩ 68,000 / Ea
; DH.FurS5005	(2) Ceramic Fiber Stand, 90×25×h10mm, for Dish, 2ea/set	₩ 11,100 / Set

※ NOTE! Optional Heat Resistant Gloves
⇒ See the Next Page!

※ The Price(VAT is extra) for Korean End-user, and Changeable.

DAIHAN® 1,000℃ Programmable Digital Muffle Furnace "FX", Exposed Heating Elements-type

With Digital PID Control, Short Heat-up Time, Ceramic Fiber, 4-Side Heating, with Ceramic Fiber Plate, 3~63 Lit

디지털 전기로, 디지털 PID 컨트롤 시스템, 4면 가열 방식, 히터 노출형

CE *2-Year Warranty*



3~27Lit Model

CE *2-Year Warranty*



63Lit Model

- ***Supplied by DAIHAN Korea*** ■ ***CE Certified*** ■ ***PL (Product Liability) Insurance***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
- ***Patented Jog-Shuttle Control System and Digital LCD with Back-Light Function***
- ***Digital PID Programmable Controller : 4 Patterns with 10 Segments***

∗ Designed for Ash-Determinations, Enameling, Fusions, Precipitate Drying
∗ User's Self-Compensation Function for Temperature (±50℃) ∗ Resolution : 1℃, 1min
∗ Safety Switch for Door Opening ∗ Ceramic Fiber exposed Heating Wire, 4-Side Heating
∗ Chamber Aging is required before using the Furnace to Remove Impurities of the Insulation material and to Prevent Damage. ; 500℃ 6hr, 900℃ 1hr

Specifications & Ordering information

〈L1〉

Spec. \ Model		"FX-03" Max.Capa. 3 Lit	"FX-05" Max.Capa. 4.5 Lit	"FX-12" Max.Capa. 12 Lit	"FX-14" Max.Capa. 14 Lit	"FX-27" Max.Capa. 27 Lit	"FX-63" Max.Capa. 63 Lit
Temp. Range		300℃ ~ 1000℃					
Capacity		3 Lit	4.5 Lit	12 Lit	14 Lit	27 Lit.	63 Lit
Heater		Kanthal A1, Expose Wire Heating Elements, 4-Side Heating					
Thermocouple		K-type Thermocouple					
Heating Power		1.4 kW	1.7 kW	3.3 kW	4.0 kW	4.6 kW	9 kW
Required time to be reached 800℃		16 min		20 min			23 min
Timer & Alarm		99hr 59min (Continuous run), Error status & Timer-end					
Display		Digital LCD with Back-Light Function					
Controller		Digital PID Controller with Jog-Dial Switch (Turn+Push)					
Program Function		4 Patterns with 10 Segments					
Safety Circuit		Over-Temp./-Current protection, Sensor Error Detection Safety Switch for Door Opening					
Material		Ceramic Fiber with Heating Wire-Internal, Powder Coated steel-External Ceramic Fiber-Insulation					
Dimension (w×d×h)	Internal (cm)	13×25×9	15×30×10	20×30×20	25×35×16	30×30×30	40×40×40
	External (cm)	41×48×53	44×53×55	50×55×66	55×59×62	60×59×76	100×75×95
Packing Size(w×d×h) (cm)		63×54×77	68×57×78	70×63×89	74×68×85	74×73×99	116×90×110
Gross Weight		47 kg	54 kg	59 kg	73 kg	83 kg	225 kg
Electrical Reqts.		1 Phase, AC 120V, 60Hz or AC 230V, 50/60Hz		1 Phase AC 120V, 60Hz or AC 230V, 50/60Hz or 3 Phase			
Cat. No.	230V	DH.WF21.03	DH.WF21.05	DH.WF21.12	DH.WF21.14	DH.WF21.27	DH.WF21.63
	120V	DH.WF20.03	DH.WF20.05	DH.WF20.12	DH.WF20.14	DH.WF20.27	-
	3Phase	-	-	DH.WF23.12	DH.WF23.14	DH.WF23.27	DH.WF23.63
Price, Each. ₩		2,033,000	2,293,000	3,257,000	3,522,000	5,340,000	8,927,000

∗ Other Specifications are available upon Customer's Request.

※ 운임 별도



Inner Chamber of
Exposed Heating Elements-type

Spare Ceramic Fiber Plate

		Ea. Price, ₩
DH.WF211.03	(1) Ceramic Fiber Plate, 120×215×h10mm, **"FS1103"** for **3Lit**	34,000
DH.WF211.05	, 140×265×h10mm, **"FS1105"** for **4.5Lit**	34,000
DH.WF211.12	, 190×265×h10mm, **"FS1112"** for **12Lit**	43,000
DH.WF211.14	, 240×310×h10mm, **"FS1114"** for **14Lit**	43,000
DH.WF211.27	, 265×290×h10mm, **"FS1127"** for **27Lit**	60,000
DH.WF211.63	, 400×400×h10mm, **"FS1163"** for **63Lit**	112,000

Optional Glove, Heat Resistant

		Ea. Price, ₩
SL.Glo6635	(2) Glove, Heat Resistant, 1000℃, Standard Type, L350mm	352,970
SL.Glo6636	, Long Type, L450mm	519,970
SL.Glo6421	(3) , 400℃, L340mm	176,530
SL.Glo6422	, L450mm	217,590



(1) Ceramic Fiber Plate
(Included)



(2) Heat-resistant Glove
(1,000℃)



(3) Heat-resistant Glove
(400℃)

DAIHAN® 1,200℃ Programmable Digital Muffle Furnace "FHX", Exposed Heating Elements-type

With Digital PID Control, Short Heat-up Time, Ceramic Fiber, 4-Side Heating, with Ceramic Fiber Plate, 3~63 Lit

디지털 전기로, 디지털 PID 컨트롤 시스템, 4면 가열 방식, 히터 노출형

CE

2-Year Warranty



3~27Lit Model

CE

2-Year Warranty



63Lit Model

- ***Supplied by DAIHAN Korea*** ■ ***CE Certified*** ■ ***PL (Product Liability) Insurance***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
- ***Patented Jog-Dial Control System and Digital LCD with Back-Light Function***
- ***Digital PID Programmable Controller : 4 Patterns with 10 Segments***

∗ Digital Jog-Dial Control System ∗ Included Ceramic Fiber Plate
∗ Ceramic Fiber Exposed Heating Wire, 4-Side Heating ∗ Safety Switch for Door Opening
∗ User's Self-Compensation Function for Temperature (±50℃) ∗ Resolution : 1℃, 1min

Specifications & Ordering information

〈L1〉

Spec. \ Model		"FHX-03" Max.Capa. 3 Lit	"FHX-05" Max.Capa. 4.5 Lit	"FHX-12" Max.Capa. 12 Lit	"FHX-14" Max.Capa. 14 Lit	"FHX-27" Max.Capa. 27 Lit	"FHX-63" Max.Capa. 63 Lit
Temp. Range		300℃ ~ 1200℃					
Capacity		3 Lit	4.5 Lit	12 Lit	14 Lit	27 Lit	63 Lit
Heater		Kanthal A1, Expose Wire Heating Elements, 4-Side Heating					
Thermocouple		K-type Thermocouple					
Heating Power		1.4 kW	1.7 kW	3.3 kW	4.0 kW	4.6 kW	9 kW
Required time to be reached 800℃		16 min		20 min			23 min
Timer & Alarm		99hr 59min (Continuous run), Error status & Timer-end					
Display		Digital LCD with Back-Light Function					
Controller		Digital PID Controller with Jog-Dial Switch (Turn+Push)					
Program Function		4 Patterns with 10 Segments					
Safety Circuit		Over-Temp./-Current protection, Sensor Error Detection Safety Switch for Door Opening					
Material		Ceramic Fiber with Heating Wire-Internal, Powder Coated steel-External Ceramic Fiber-Insulation					
Dimension (w×d×h)	Internal (cm)	13×25×9	15×30×10	20×30×20	25×35×16	30×30×30	40×40×40
	External (cm)	41×48×53	44×53×55	50×55×66	55×59×62	60×59×76	100×75×95
Packing Size(w×d×h) (cm)		63×54×77	68×57×78	70×63×89	74×68×85	74×73×99	116×90×110
Gross Weight		47 kg	54 kg	59 kg	73 kg	83 kg	225 kg
Electrical Reqts.		1 Phase, AC 120V, 60Hz or AC 230V, 50/60Hz		1 Phase AC 120V, 60Hz or AC 230V, 50/60Hz or 3 Phase			
Cat. No.	230V	DH.WFH22.03	DH.WFH22.05	DH.WFH22.12	DH.WFH22.14	DH.WFH22.27	DH.WFH22.63
	120V	DH.WFH20.03	DH.WFH20.05	DH.WFH20.12	DH.WFH20.14	DH.WFH20.27	-
	3Phase	-	-	DH.WFH23.12	DH.WFH23.14	DH.WFH23.27	DH.WFH23.63
Price, Each. ₩		2,293,000	2,529,000	3,623,000	3,864,000	6,100,000	9,734,000

∗ Other Specifications are available upon Customer's Request.

※ 운임 별도

Spare Ceramic Fiber Plate

		Ea. Price, ₩
DH.WF211.03	(1) Ceramic Fiber Plate, 120×215mm, **"FS1103"** for **3Lit**	34,000
DH.WF211.05	, 140×265mm, **"FS1105"** for **4.5Lit**	34,000
DH.WF211.12	, 190×265mm, **"FS1112"** for **12Lit**	43,000
DH.WF211.14	, 240×310mm, **"FS1114"** for **14Lit**	43,000
DH.WF211.27	, 265×290mm, **"FS1127"** for **27Lit**	60,000
DH.WF211.63	, 400×400mm, **"FS1163"** for **63Lit**	112,000

Optional Glove, Heat Resistant

		Ea. Price, ₩
SL.Glo6635	(2) Glove, Heat Resistant, 1000℃, Standard Type, L350mm	352,970
SL.Glo6636	, Long Type, L450mm	519,970
SL.Glo6421	(3) , 400℃, L340mm	176,530
SL.Glo6422	, L450mm	217,590



Inner Chamber of
Exposed Heating Elements-type



(1) Ceramic Fiber Plate
(Included)



(2) Heat-resistant Glove
(1,000℃)



(3) Heat-resistant Glove
(400℃)

※ The Price(VAT is extra) for Korean End-user, and Changeable.

DAIHAN® 1,450℃ Programmable High-Temp Muffle Furnace "FSC", Exposed Heating Elements-type

With SIC Heater, Digital PID Control, Short Heat-up Time, 2-Side Heating, without Ceramic Fiber Plate, 1.9~22Lit

고온 디지털 전기로, 디지털 PID 컨트롤 시스템, 2면 가열 방식

2-Year Warranty



1.9Lit Model

2-Year Warranty



4.5~22Lit Model

- ***Supplied by DAIHAN Korea***
- ***PL (Product Liability) Insurance***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
- ***Digital PID Programmable Controller : 2 Patterns with 10 Segments***
- ***Digital LCD Display***
- ***High Quality Insulation : Ceramic Fiber Board***
- ***SIC(Silicon Carbide) Heater***

∗ Safety Door Lock System ∗ Excluding Ceramic Fiber Plate

∗ Ceramic Fiber Exposed Heating Wire, 2-Side Heating ∗ Safety Switch for Door Opening

Specifications & Ordering information

<L1>

Spec. \ Model		FSC-2 Max. Capa. 1.9Lit	FSC-5 Max. Capa. 4.5Lit	FSC-11 Max. Capa. 11Lit	FSC-22 Max. Capa. 22Lit
Temp. Range		500℃~1,450℃			
Capacity		1.9 Lit	4.5 Lit	11 Lit	22 Lit
Heater		SIC Heater, 2-Side Heating			
Thermocouple		R-type Thermocouple			
Heating Power		3.5 kW	3.3 kW	7.7 kW	9.6 kW
Required time to be reached 800℃		30 min			
Timer & Alarm		99hr 59min or Continuous run			
Display		Digital LCD Display			
Controller		Digital PID Controller, UP35A, SCR Power Controller with Push Button			
Program Function		2 Patterns with 10 Segments			
Safety Circuit		Over-Temp./-Current protection, Sensor Error Detection, Safety Switch for Door Opening	Over-Temp./-Current protection, Sensor Error Detection		
Material		Ceramic Fiber board with SIC Heater-Internal, Powder Coated steel-External, Ceramic Fiber-Insulation			
Dimension (w×d×h)	Internal (mm)	120×130×120	150×200×150	200×270×200	250×350×250
	External (mm)	440×482×700	820×555×655	870×625×715	920×705×785
Packing Size(w×d×h) (cm)		680×540×940	1350×600×890	1400×770×950	1450×900×1100
Gross Weight		57 kg	70 kg	102 kg	132 kg
Electrical Reqts.		1 Phase, AC 120V, 60Hz or AC 230V, 50/60Hz, without Cord and Plug			
Cat. No.	230V	DH.FSC02002	DH.FSC02005	DH.FSC02011	DH.FSC02022
	120V	DH.FSC01002	DH.FSC01005	DH.FSC01011	DH.FSC01022
Price, Each. ₩		5,985,000	6,837,000	7,960,000	10,658,000

∗ Other Specifications are available upon Customer's Request.

※ 운임 별도



Inner Chamber of
Exposed Heating Elements-type

Optional Ceramic Fiber Plate

		Ea. Price, ₩
DH.FSC2002	(1) Ceramic Fiber Plate, w110×d120mm, for **1.9Lit**	68,000
DH.FSC2005	, w140×d180mm, for **4.5Lit**	89,000
DH.FSC2011	, w190×d250mm, for **11Lit**	120,000
DH.FSC2022	, w240×d330mm, for **22Lit**	267,000

Optional Glove, Heat Resistant

		Ea. Price, ₩
SL.Glo6635	(2) Glove, Heat Resistant, 1000℃, Standard Type, L350mm	352,970
SL.Glo6636	, Long Type, L450mm	519,970
SL.Glo6421	(3) , 400℃, L340mm	176,530
SL.Glo6422	, L450mm	217,590



(1) Ceramic Fiber Plate
(Included)



(2) Heat-resistant Glove
(1,000℃)



(3) Heat-resistant Glove
(400℃)

DAIHAN® 1,650℃ Programmable High-Temp Muffle Furnace "FSK", Exposed Heating Elements-type

With $MoSi_2$ Heater, Digital PID Control, Short Heat-up Time, 2-Side Heating, without Ceramic Fiber Plate, 1.9~11 Lit

고온 디지털 전기로, 디지털 PID 컨트롤 시스템, 2면 가열 방식

2-Year Warranty



1.9Lit Model

2-Year Warranty



4.5 & 11Lit Model

- ***Supplied by DAIHAN Korea*** ■ ***PL (Product Liability) Insurance***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
- ***Digital PID Programmable Controller : 2 Patterns with 10 Segments***
- ***Digital LCD Display*** ■ ***High Quality Insulation : Ceramic Fiber Board***

∗ Safety Door Lock System ∗ Excluding Ceramic Fiber Plate
∗ Ceramic Fiber Exposed Heating Wire, 2-Side Heating ∗ Safety Switch for Door Opening

Specifications & Ordering information

〈L1〉

Spec. \ Model		FSK-2 Max. Capa. 1.9 Lit	FSK-5 Max. Capa. 4.5 Lit	FSK-11 Max. Capa. 11 Lit
Temp. Range		600℃ ~ 1,650℃		
Capacity		1.9 Lit	4.5 Lit	11 Lit
Heater		$MoSi_2$ Heater, 2-Side Heating		
Thermocouple		B-type Thermocouple		
Heating Power		1.3 kW	3.0 kW	5.2 kW
Required time to be reached 800℃		40 min		
Timer & Alarm		99hr 59min or Continuous run		
Display		Digital LCD Display		
Controller		Digital PID Controller, UP35A, SCR Power Controller with Push Button		
Program Function		2 Patterns with 10 Segments		
Safety Circuit		Over-Temp./-Current protection, Sensor Error Detection, Safety Switch for Door Opening	Over-Temp./-Current protection, Sensor Error Detection	
Material		Ceramic Fiber board with MOSi2 Heater-Internal, Powder Coated steel-External, Ceramic Fiber-Insulation		
Dimension (w×d×h)	Internal (mm)	120×130×120	150×200×150	200×270×200
	External (mm)	440×482×700	900×600×695	980×670×765
Packing Size(w×d×h) (cm)		680×540×940	1430×640×930	1510×810×1000
Gross Weight		72 kg	150 kg	186 kg
Electrical Reqts.		1 Phase, AC 120V, 60Hz or AC 230V, 50/60Hz, without Cord and Plug		
Cat. No.	230V	**DH.FSK02002**	**DH.FSK02005**	**DH.FSK02011**
	120V	**DH.FSK01002**	**DH.FSK01005**	**DH.FSK01011**
Price, Each. ₩		10,562,000	16,584,000	20,180,000

∗ **Other Specifications are available upon Customer's Request.**

※ **운임 별도**



Inner Chamber of Exposed Heating Elements-type

Optional Ceramic Fiber Plate

		Ea. Price, ₩
DH.FSK2002	(1) Ceramic Fiber Plate, w110×d120mm, for **1.9Lit**	90,000
DH.FSK2005	, w140×d180mm, for **4.5Lit**	172,000
DH.FSK2011	, w190×d250mm, for **11Lit**	277,000

Optional Glove, Heat Resistant

		Ea. Price, ₩
SL.Glo6635	(2) Glove, Heat Resistant, 1000℃, Standard Type, L350mm	352,970
SL.Glo6636	, Long Type, L450mm	519,970
SL.Glo6421	(3) , 400℃, L340mm	176,530
SL.Glo6422	, L450mm	217,590



(1) Ceramic Fiber Plate (Included)



(2) Heat-resistant Glove (1,000℃)



(3) Heat-resistant Glove (400℃)

※ The Price(VAT is extra) for Korean End-user, and Changeable.

DAIHAN® Programmable Tube Furnaces "FT-series", Embedded Heating Elements-type, 1,000℃
With Digital PID Programmable Control, 1- or 3-Heating Zone, Φ3~Φ14cm Tubes, 1,000℃ 프로그램식 튜브 전기로

2-Year Warranty

- ***Supplied by DAIHAN Korea*** ■ ***PL (Product Liability) Insurance***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***

* Digital PID Programmable Controller : 3 Patterns with 16 Segments
* Designed for Ash-Determinations, Horizontal Application, Protective Gas Atmosphere
* Available Order Various Size Tubes, Without Working Tube
* Programmable Timer : 99hr 59min * Resolution : 1℃, 1min



(1) 1 Heating Zone Model



Figure ; Open Door



(1) Side Figure of
1 Heating Zone Model

Specifications & Ordering information

<L1>

Model	"FT-series" 1- or 3-Heating Zone
Temp. Range & Heater	300℃~1,000℃, Kantal A1, Embedded Wire Heating Elements
Thermocouple & Display	K-type Thermocouple, LED
Safety Circuit	Over-Temp./-Current protection, Sensor Error Detection
Material	Ceramic Fiber with Heating Wire-Internal, Powder Coated steel-External

(1) 1Heating Zone Model		"FT-830"	"FT-860"	"FT-1230"	"FT-1260"	"FT-1430"	"FT-1460"	"FT-1630"	"FT-1660"
Heating Zone		1×Heating Zone							
		Φ8×L30	Φ8×L60	Φ12×L30	Φ12×L60	Φ14×L30	Φ14×L60	Φ16×L30	Φ16×L60
Available Tube Size(cm)		Max. Φ6 cm		Max. Φ10 cm		Max. Φ12 cm		Max. Φ14 cm	
Heating Power		2.2kW	3.7kW	2.6kW	5.3kW	3.7kW	6.0kW	4.0kW	6.9kW
Heat-up Time (to 800℃)		17min	20min	18min	22min	19min	23min	20min	25min
Dimension (w×d×h cm)		50×37×54	80×37×54	50×40×57	80×40×57	50×43×60	80×43×60	50×46×63	80×46×63
Controller		1×Programmable PID Controller : 5 Patterns 16 Segments							
Cat. No.	230V	DH.WFT12.0830	DH.WFT12.0860	DH.WFT12.1230	DH.WFT12.1260	DH.WFT12.1430	DH.WFT12.1460	DH.WFT12.1630	DH.WFT12.1660
	120V	DH.WFT11.0830	DH.WFT11.0860	DH.WFT11.1230	DH.WFT11.1260	DH.WFT11.1430	DH.WFT11.1460	DH.WFT11.1630	DH.WFT11.1660
Price, Each. ₩		2,248,000	3,357,000	2,609,000	3,853,000	3,245,000	4,480,000	4,122,000	5,259,000

(2) 3Heating Zone Model		"FT-3860"	"FT-31260"	"FT-31460"	"FT-31660"
Heating Zone		3×Heating Zone			
		Φ8×(3×L20cm)	Φ12×(3×L20cm)	Φ14×(3×L20cm)	Φ16×(3×L20cm)
Available Tube Size(cm)		Max. Φ6cm	Max. Φ10cm	Max. Φ12cm	Max. Φ14cm
Heating Power		3.7kW	5.3kW	6.0kW	6.9kW
Heat-up Time (to 800℃)		20min	22min	23min	25min
Dimension (w×d×h cm)		70×28×44	70×34×50	70×36×54	70×40×56
Controller		Independent 3×Programmable PID Controller : 3 Patterns 16 Segments			
Cat. No.	230V	DH.WFT12.860.3	DH.WFT12.1260.3	DH.WFT12.1460.3	DH.WFT12.1660.3
	120V	DH.WFT11.860.3	DH.WFT11.1260.3	DH.WFT11.1460.3	DH.WFT11.1660.3
Price, Each. ₩		4,360,000	5,095,000	5,814,000	6,707,000

* Other Specifications are available upon Customer's Request.
* Tubes Size & Other Specifications are available upon Customer's Request

※ 운임 별도



(a) Heat-resistant Glove (1,000℃)



(b) Heat-resistant Glove (400℃)

Optional Glove, Heat Resistant

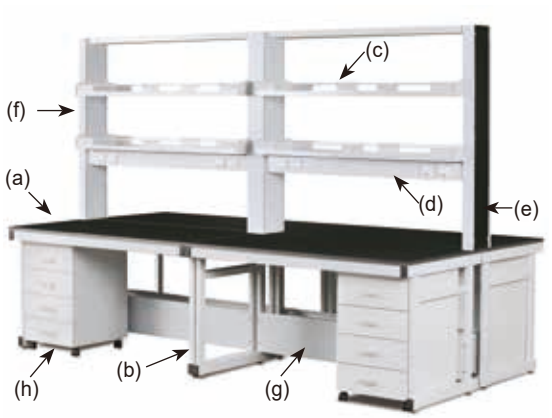
			Ea. Price, ₩
SL.Glo6635	(a)	Glove, Heat Resistant, 1000℃, Standard Type, L350mm	352,970
SL.Glo6636		, Long Type, L450mm	519,970
SL.Glo6421	(b)	, 400℃, L340mm	176,530
SL.Glo6422		, L450mm	217,590

DAIHAN® Laboratory Assembly Furniture, High Quality Steel-Frame & Side Panel · Phenol Work Top · Stainless-steel Bolted Joint
With Transfer Cabinet, Utility Box, 실험실용 조립식 실험대, 고품질 스틸 프레임, 내열성/내충격성/내화학성 페놀 상판, 볼트식 결합

- ***Supplied by DAIHAN Korea***
- ***Easy to Assemble with Stainless-steel(SS 304) Bolts and Stable***
- ***Phenol Work Top : Good for Heat-/Shock-Resistant, Excellent Chemical-Resistant(Acetic Acid, Alcohol, Hydrochloric Acid, Sulfuric Acid, Organic Chemicals, Base, Biological Stains, Salt, Solvent, etc.)***
- ***High Quality Steel-Frame(60×40 & 50×30mm), Side-/Back-Steel Panel(t1.6mm)***
- ***The Work Top are made of Melamine, Granite, Phenol(Color Choices Available : Black or Gray)***
- ***You can Choose the Materials of the Work Top according to Usage and Change the Height of Table.***

Features of Work Top Materials

∗ Phenol(Phenolic Laminate) : Excellent for Heat-/ Chemical-/ Shock-Resistance, Strong Plate Consist of Melamine-resin and Phenolic-resin, Surface Strengthening through Chemical and Chemical Treatment, Good for All Purpose Laboratory.
∗ Melamine : Good for Chemical and Heat-Resistance. The Surface is Resistant against Scratches and Abrasion. Suitable for Analytical Laboratory.
∗ Granite : Excellent for Heat and Shock-Resistance. Suitable for Special Laboratory like Instrumental Analysis Laboratory.



Structures and Features of Assembly Furniture

∗ (a) Phenol Work Top : Good for Heat-/Shock-Resistant Phenolic Laminate(t20mm), Excellent Chemical-Resistant (Acetic Acid, Alcohol, Hydrochloric Acid, Sulfuric Acid, Organic Chemicals, Base, Biological Stains, Salt, Solvent, etc.), Color Choices Available : Black or Gray
∗ (b) Frame : The Most Stable Steel Under Construction, Suitable for Long-term Loading of Heavy Analysis Equipment, High Quality Steel, 60×40mm & 50×30mm
∗ (c) Shelves : Shelf Fall Prevention Design, Movable Up and Down, Aluminum Frame, PVC Shelf Plate(t8mm), Epoxy Powder Coating Steel Shelf Supporter(t1.6mm)
∗ (d) Utility Box : Electrical safety design, Attachment Emergency Breaker and Switch Box for Each Line, Steel Plate(t1.6mm), Cover type Power Outlet(220V)
∗ (e) Reagent Structure : Al Frame & Steel Plate(1.6mm), Columns bend(Edge Rounding) to Secure LAN Line, Electricity, Gas, Water etc., Maintenance and Safety Enhancement
∗ (f) Reagent Front / Rear Frame : Anodizing and Electro-deposition Treatment on Environmentally Friendly Aluminum Surface to Enhance Strength, Abrasion-Resistance, Corrosion-Resistance and Electrical insulation
∗ (g) Modular System Back Panel
  - Easily Removable and Easy to Follow and Check (Scalability)
  - Eco-friendly Epoxy Powder Coating to Prevent Scratches and Corrosion
  - Using Steel Plate t1.6mm
∗ (h) Transfer Cabinet : Particle Board Plate(t15/18mm) / Al-handle / Brake Caster / 450×500×h700mm, Basic 4-stage(2-/3-stage possible)
∗ Attach Inner Support : Use of Steel Pipe for Loaded Area and Flexural Reinforcement
∗ Sink Tables : We can Offer DAIHAN Custom Sink Table, for which you can Specify the Specification

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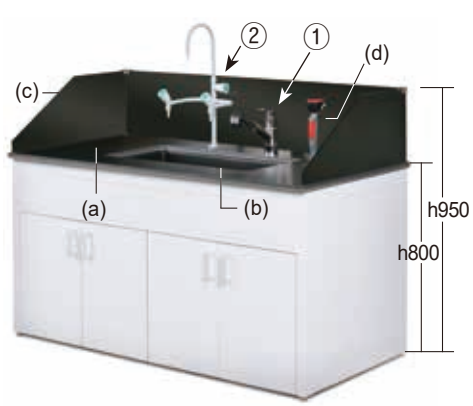
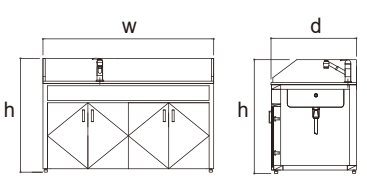
DAIHAN® Laboratory Sink Table, High Quality Steel-Frame & -Side Panel, Phenol Sink Top, PP Sink Bowl, Glass Water Guard
With ① Cold & Hot Water Mixed Faucet, 실험실용 싱크대, 3면 강화유리, 재질 변경 가능



∗ ② 3-mouth Chemical Faucet Available(Optional)
∗ Sink Top : Chemical-resistance Phenolic Laminate t20mm ∗ Sink Bowl : PP(Selectable Material)
∗ Water Guard : Composed of 3-sided Tempered Glass t8mm(Selectable Material)



Selectable Material of Custom-Made Sink Table ‹L4›

	Material			
(a) Sink Top	Phenol	P.P	PVC	SS
(b) Sink Bowl	-	P.P	PVC	SS
(c) Water Guard	Glass	P.C	PVC	PVC

		Ea. Price, ₩
DH.WFE4031	Sink Table, Laboratory, 900×750×h800 / 950mm	1,388,000
DH.WFE4032	, 1200×750×h800 / 950mm	1,562,000
DH.WFE4033	, 1500×750×h800 / 950mm	1,909,000
DH.WFE4034	, 1800×750×h800 / 950mm	2,082,000

Optional Eye-washer

		Ea. Price, ₩
DH.WFE4040	(d) Option ; Eye-washer, Single Nozzle, Table Mounted, L1.4m	348,000

※ **Note! Freight and Installation Charges Separately.**

Welcome! Custom-Made Sink Table!!

We can Offer DAIHAN Custom Sink Table to Your Specifications.

DAIHAN® Laboratory Assembly Center Table, High Quality Steel-Frame & -Side Panel · Phenol Work Top · Stainless-steel Bolted Joint With Transfer Cabinet, Utility Box, 실험실용 조립식 중앙 실험대, 고품질 스틸 프레임, 내열성/내충격성/내화학성 페놀 상판, 볼트식 결합

- ***Supplied by DAIHAN Korea***
- ***Easy to Assemble with Stainless-steel(SS 304) Bolts and Stable***
- ***Phenol Work Top : Good for Heat-/Shock-Resistant, Excellent Chemical-Resistant(Acetic Acid, Alcohol, Hydrochloric Acid, Sulfuric Acid, Organic Chemicals, Base, Biological Stains, Salt, Solvent, etc.)***
- ***High Quality Steel-Frame(60×40 & 50×30mm), Side-/Back-Steel Panel(t1.6mm)***

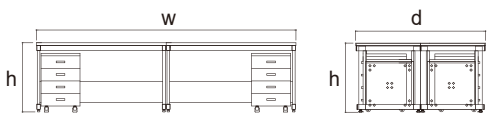
∗ The Most Stable Steel Under Construction, Suitable for Long-term Loading of Heavy Analysis Equipment (60×40 & 50×30mm)
∗ Chemical-resistance Phenolic Laminate Work Top, t20mm (Color Choices Available : Black or Gray)
∗ Could be Change the Work Top, Height of Table on User Applications. Please Call to specify the Work Top.

(1) Assembly Basic Center Table, with Transfer Cabinet, Steel-Frame & -Side Panel, Phenol Work Top

∗ Work Top : Phenol Plate, t20mm ∗ Back Panel : Steel Plate, t1.6mm ∗ Frame : Steel, 60×40 & 50×30mm



WFE301 Series



〈L4〉

		Ea.	Price, ₩
DH.WFE3011	Center Table, 1500×1500×h800mm, with Cabinet(2ea)		2,153,000
DH.WFE3012	, 1800×1500×h800mm, with Cabinet(2ea)		2,499,000
DH.WFE3013	, 2100×1500×h800mm, with Cabinet(4ea)		3,262,000
DH.WFE3014	, 2400×1500×h800mm, with Cabinet(4ea)		3,609,000
DH.WFE3015	, 3000×1500×h800mm, with Cabinet(4ea)		4,303,000
DH.WFE3016	, 3600×1500×h800mm, with Cabinet(4ea)		4,997,000

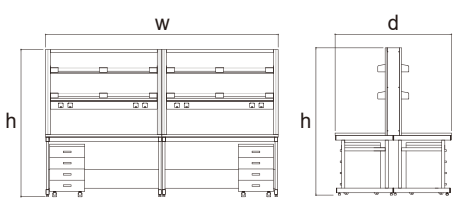
※ **Note! Freight and Installation Charges Separately.**

(2) Assembly Shelf-type Center Table, with Transfer Cabinet & Shelves, Steel-Frame & -Side Panel, Phenol Work Top

∗ Work Top : Phenol Plate, t20mm ∗ Back Panel : Steel Plate, t1.6mm ∗ Frame : Steel, 60×40 & 50×30mm ∗ Size : d1500×h800/1900mm



WFE302 Series



		Ea.	Price, ₩
DH.WFE3021	Center Table, w1500×h800/1900mm, with Cabinet(2ea) / Shelves		3,072,000
DH.WFE3022	, w1800×h800/1900mm, with Cabinet(2ea) / Shelves		3,592,000
DH.WFE3023	, w2100×h800/1900mm, with Cabinet(4ea) / Shelves		4,547,000
DH.WFE3024	, w2400×h800/1900mm, with Cabinet(4ea) / Shelves		5,067,000
DH.WFE3025	, w3000×h800/1900mm, with Cabinet(4ea) / Shelves		6,124,000
DH.WFE3026	, w3600×h800/1900mm, with Cabinet(4ea) / Shelves		6,454,000

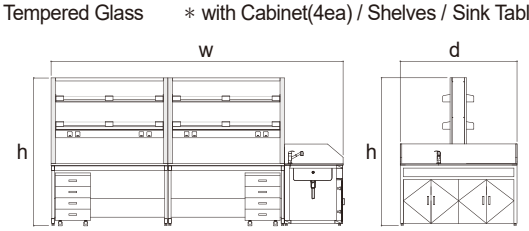
※ **Note! Freight and Installation Charges Separately.**

(3) Assembly Comprehensive Center Table, with Cabinet · Sink Table · Shelves, Steel-Frame & -Side Panel, Phenol Work Top

∗ Work Top : Phenol Plate, t20mm ∗ Back Panel : Steel Plate, t1.6mm ∗ Frame : Steel, 60×40 & 50×30mm ∗ Size : d1500×h800/1900mm
∗ Sink Top : Phenol Plate, t20mm ∗ Water Guard : 3-sided Tempered Glass ∗ with Cabinet(4ea) / Shelves / Sink Table ∗ Sink Bowl : PP(Polypropylene)



WFE303 Series



		Ea.	Price, ₩
DH.WFE3031	Center Table, w2250×h1900mm, with Shelves / Sink Table		4,979,000
DH.WFE3032	, w2550×h1900mm, with Shelves / Sink Table		5,499,000
DH.WFE3033	, w2850×h1900mm, with Shelves / Sink Table		6,454,000
DH.WFE3034	, w3150×h1900mm, with Shelves / Sink Table		6,974,000
DH.WFE3035	, w3750×h1900mm, with Shelves / Sink Table		8,032,000
DH.WFE3036	, w4350×h1900mm, with Shelves / Sink Table		8,362,000

※ **Note! Freight and Installation Charges Separately.**

DAIHAN® Laboratory Assembly Side Table, High Quality Steel-Frame & -Side Panel · Phenol Work Top · Stainless-steel Bolted Joint
With Transfer Cabinet, Utility Box, **실험실용 조립식 벽면 실험대, 고품질 스틸 프레임, 내열성/내충격성/내화학성 페놀 상판, 볼트식 결합**

- ***Supplied by DAIHAN Korea***
- ***Easy to Assemble with Stainless-steel(SS 304) Bolts and Stable***
- ***Phenol Work Top : Good for Heat-/Shock-Resistant, Excellent Chemical-Resistant(Acetic Acid, Alcohol, Hydrochloric Acid, Sulfuric Acid, Organic Chemicals, Base, Biological Stains, Salt, Solvent, etc.)***
- ***High Quality Steel-Frame, Side-/Back-Steel Panel(t1.6mm)***

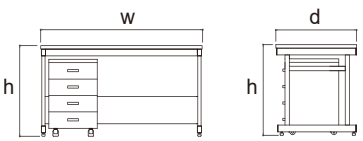
∗ The Most Stable Steel Under Construction, Suitable for Long-term Loading of Heavy Analysis Equipment (60×40mm & 50×30mm)
∗ Chemical-Resistance Phenolic Laminate Work Top, t20mm (Black or Gray)
∗ Could be Change the Work Top, Height of Table on User Applications.

(1) Assembly Basic Side Table, with Transfer Cabinet, Steel-Frame & -Side Panel, Phenol Work Top

∗ Work Top : Phenol Plate, t20mm ∗ Back Panel : Steel Plate, t1.6mm ∗ Frame : Steel, 60×40 & 50×30mm



WFE401 Series



〈L4〉

		Ea. Price, ₩
DH.WFE4011	Side Table, 1200×750×h800mm, with Cabinet(1ea)	904,000
DH.WFE4012	, 1500×750×h800mm, with Cabinet(1ea)	1,078,000
DH.WFE4013	, 1800×750×h800mm, with Cabinet(1ea)	1,250,000
DH.WFE4014	, 2100×750×h800mm, with Cabinet(2ea)	1,632,000
DH.WFE4015	, 2400×750×h800mm, with Cabinet(2ea)	1,805,000

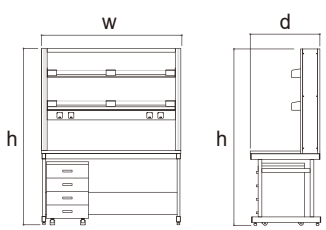
※ **Note! Freight and Installation Charges Separately.**

(2) Assembly Shelf-type Side Table, with Transfer Cabinet & Shelves, Steel-Frame & -Side Panel, Phenol Work Top

∗ Work Top : Phenol Plate, t20mm ∗ Back Panel : Steel Plate, t1.6mm ∗ Shelves : PVC Shelf Plate(t8mm) & Steel / Aluminum Shelf Supporter(t1.6mm)



WFE402 Series



		Ea. Price, ₩
DH.WFE4021	Side Table, 1200×750×h800/1900mm, with Cabinet / Shelves	1,598,000
DH.WFE4022	, 1500×750×h800/1900mm, with Cabinet / Shelves	1,909,000
DH.WFE4023	, 1800×750×h800/1900mm, with Cabinet / Shelves	2,255,000
DH.WFE4024	, 2100×750×h800/1900mm, with Cabinet / Shelves	2,812,000
DH.WFE4025	, 2400×750×h800/1900mm, with Cabinet / Shelves	3,142,000

※ **Note! Freight and Installation Charges Separately.**

DAIHAN® Laboratory Basic Corner Table, High Quality Steel-Frame & Phenol Work Top
Custom-Made available, **실험실용 코너 실험대, 고품질 스틸 프레임, 내열성/내충격성/내화학성 페놀 상판, 주문제작 가능**



- ***Supplied by DAIHAN Korea***
- ***Phenol Work Top :***
  Good for Heat-/Shock-Resistant, Excellent Chemical-Resistant(Acetic Acid, Alcohol, Hydrochloric Acid, Sulfuric Acid, Organic Chemicals, Base, Biological Stains, Salt, Solvent, etc.)
- ***High Quality Steel-Frame, Side-/Back-Steel Panel(t1.6mm)***
- ***벽모서리 연결을 통해 넓은 실험공간 확보***

∗ Frame : Steel Pipe 60×40 & 50×30mm, Steel Plate 1.6T Welding & Powder Finished
∗ Chemical-Resistance Phenolic Laminate Work Top, t20mm (Black or Gray)
∗ Non-standard orders can be made upon customer request

〈L4〉

		Ea. Price, ₩
DH.WFE3027	Furniture Corner Table, w1000×d1000×h800mm	955,000

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description

Examining Stool, with Soft Cushion and Footrest, Adjustable Height, Swivel, Durable and Stable, Φ350×h450~600mm
Ideal for Laboratory & Hospital, With or Without Caster, **실험 · 진찰 의자/걸상**



(1) With Caster (2) Without Caster

■ ***Supplied by DAIHAN Korea***
■ ***고급 인조가죽으로 제작되어 내구성이 좋고 편안하고 푹신한 쿠션으로 착석감이 좋음***
* Adjustment Height Up to 600mm * Pre-Assembled Control
* Light Weight * Easy to Move
* without Back Cushion * Comfort & Soft Cushion

〈L3〉

		Ea. Price, ₩
C9.4461	(1) Examining Stool, With Caster, Φ350×h450~600mm	89,790
C9.4462	(2) , Without Caster, Φ350×h450~600mm	89,790

Ergonomic Desk Chair, with Mesh Back and Soft Cushion, Adjustable Height, Swivel, Stable, 600×480×h1030~1110mm
Ideal for Office, Laboratory, Home &c., with or without Armrest, with Caster, **사무용 의자/걸상**



A. With Armrest B. Without Armrest

■ ***Supplied by DAIHAN Korea***
■ ***인체공학적 설계로 자세를 바르게 잡아줌으로써 피로감이 적음***
■ ***메쉬 소재로 된 등받이를 사용하여 내구성을 높이고 통기성을 향상시킴***
■ ***고급 패브릭원단으로 제작되어 편안하고 푹신한 쿠션으로 착석감이 좋음***
* Adjustment Height Up to 1110mm * Light Weight * Easy to Move
* Mesh Back Cushion * Soft Cushion

〈L3〉

A. With Armrest

		Ea. Price, ₩
DH.Cha3001	(1) Desk Chair, w/ Armrest, 600×480×h1030~1110mm, Black	150,170
DH.Cha3002	(2) Desk Chair, w/ Armrest, 600×480×h1030~1110mm, Blue	150,170

B. Without Armrest

		Ea. Price, ₩
DH.Cha3005	(3) Desk Chair, w/o Armrest, 600×480×h1030~1110mm, Black	143,010
DH.Cha3006	(4) Desk Chair, w/o Armrest, 600×480×h1030~1110mm, Blue	143,010

Folding Office Chair, with Mesh Back · Soft Cushion · Armrest · Caster, Stable, 585×610×h650/860mm
Ideal for Office, Laboratory, Home &c., Waterproof, **사무용 의자/걸상, 접이식**



(1) Black (2) Gray

■ ***Supplied by DAIHAN Korea***
■ ***메쉬 소재로 된 등받이를 사용하여 내구성을 높이고 통기성을 향상시킴***
■ ***두꺼운 스펀지에 방수기능이 있는 고급 패브릭원단으로 제작하여 착석감이 좋음***
■ ***좌판이 위로 올라가서 접혀 수평적재가 가능***
* 높이(좌석, 팔걸이, 전체) : 450, 650, 860mm
* Mesh Back Cushion * Folding Seat
* Light Weight * Easy to Move
* Soft Cushion * Waterproof



Folding Seat

〈L3〉

		Ea. Price, ₩
DH.Cha3011	(1) Office Chair, w/ Armrest, 585×610×h650/860mm, Black	104,400
DH.Cha3012	(2) , Gray	104,400

Articles	Cat. No	Description

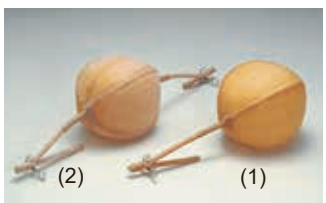


Latex Gas Sampling Bag 1~8Lit

Kartell® Gas Sampling Bag/Balloon, Latex, with Volume-range 1~8Lit

Heavy-Duty and Good Flexibility, <Italy-Made> 라텍스 가스 샘플링 백

Cat. No		Ea. <L1>	Price, ₩
KA.1230	Bag, Gas Sampling, Φ130mm, Vol. 1.0 Lit		18,840
KA.1231	, Φ150mm, Vol. 1.5 Lit		25,040
KA.1232	, Φ160mm, Vol. 2.0 Lit		30,440
KA.1233	, Φ200mm, Vol. 4.0 Lit		34,020
KA.1234	, Φ230mm, Vol. 5.0 Lit		44,790
KA.1235	, Φ250mm, Vol. 8.0 Lit		55,340



Gas Sampling Bag

Gas Sampling Bag/Bulb, Natural Rubber, 1~10Lit, 고무 가스 샘플링 백

(1) With Single Tube, 1~10 Lit

Cat. No		Ea. Price,₩ <L2>
SL.Bag6022	Gas Sample Bag, 1 Lit	39,940
SL.Bag6023	, 2 Lit	44,390
SL.Bag6024	, 3 Lit	57,840
SL.Bag6026	, 5 Lit	67,780
SL.Bag6027	, 10 Lit	159,440

(2) With 2×Tubes, 1~10 Lit

Cat. No		Ea. Price,₩
SL.Bag6012	Gas Sample Bag, 1 Lit	57,490
SL.Bag6013	, 2 Lit	59,650
SL.Bag6014	, 3 Lit	75,450
SL.Bag6016	, 5 Lit	88,570
SL.Bag6017	, 10 Lit	181,750



(1) 1 Mouth Cap



(2) 1 Stopcock



(3) 2 Stopcock cock

Tedlar® Gas Sampling Bag, Mouth Cap & Stopcock, 1~50Lit

Made of PVDF Film(Tedlar®), EPA cited, 테드라 가스 샘플링백

* Excellent Chemical Resistance and Heat Resistance
* with PTFE Stopcock
* Nozzle Diameter : Φ6mm

(1) 1 Mouth Cap Type NEW

Cat. No		Ea. <L2>	Price, ₩
SL.Bag3411	Tedlar Bag, 1 Mouth Cap, 1ℓ , 160×250mm, Φ6mm		16,440
SL.Bag3412	, 2ℓ , 210×250mm, Φ6mm		17,940
SL.Bag3413	, 3ℓ , 300×250mm, Φ6mm		20,930
SL.Bag3414	, 5ℓ , 400×250mm, Φ6mm		22,430
SL.Bag3415	, 10ℓ, 500×350mm, Φ6mm		31,390
SL.Bag3416	, 20ℓ, 500×500mm, Φ8mm		55,280
SL.Bag3418	, 50ℓ, 1000×600mm, Φ8mm		134,450

(2) 1 Stopcock Type

Cat. No		Ea.	Price, ₩
SL.Bag3501	Tedlar Bag, 1 Stopcock, 1ℓ , 150×250mm, Φ6mm		32,590
SL.Bag3502	, 2ℓ , 210×250mm, Φ6mm		34,300
SL.Bag3503	, 3ℓ , 300×250mm, Φ6mm		38,230
SL.Bag3504	, 5ℓ , 400×250mm, Φ6mm		40,830
SL.Bag3505	, 10ℓ, 500×350mm, Φ6mm		54,150
SL.Bag3506	, 20ℓ, 500×500mm, Φ8mm		92,650
SL.Bag3508	, 50ℓ, 750×600mm, Φ8mm		178,040

(3) 2 Stopcock Type

Cat. No		Ea.	Price, ₩
SL.Bag3701	Tedlar Bag, 2 Stopcock, 1ℓ , 150×250mm, Φ6mm		57,330
SL.Bag3702	, 2ℓ , 210×250mm, Φ6mm		59,950
SL.Bag3703	, 3ℓ , 300×250mm, Φ6mm		64,430
SL.Bag3704	, 5ℓ , 400×250mm, Φ6mm		68,040
SL.Bag3705	, 10ℓ, 500×350mm, Φ6mm		82,520
SL.Bag3706	, 20ℓ, 500×500mm, Φ8mm		114,070
SL.Bag3708	, 50ℓ, 750×600mm, Φ8mm		208,430

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description

Johnson® Lead Acetate Paper, for Sulphide(in Air/Gas) Determination, Color Reaction (White → Brown • Black), High quality
<UK-Made> 공기중의 황화물 검출용 리드아세테이트지, 공기중에 황화물이 존재시에 Black-Stain(흑색반점)으로 변함



■ ***Quality Warranty ; "Johnson" Test Papers Products (Roll / Reel- & Strips-Type and Indicator Pad-Strips indicate) have △ Expiry Date and △ Batch Certification No. on the Product / Packing.***

■ ***Can Download the Certificate from 'http://johnsontestpapers.com' with Batch Number on the Surface of the Product / Packing***

∗ This Test Paper is used for the detection of hydrogen Sulphide.
∗ Useful in the Air Environment and GAS INDUSTRY to Determine the Presence of SULPHIDE in AIR / GAS, PLANTS, SEWERS, and etc.
∗ Sulphides occur in the processing of raw oil and can be found in gas, plants and sewers.
∗ As Sulphides can be toxic even in low concentrations, critical points are checked for the presence of such gases
∗ Lead Acetate Paper turns from White to Brown-black in presence of hydrogen sulfide and other soluble sulfides
∗ Specification : a Book of 20 Strips, 1 Strip : L68×w10mm
∗ Package : 10 Books(200 Strips) in a Clear Plastic Case / Pk.(10 Books / Pk.)

<L1>

Pk.	Price, ₩
200ea	15,440

J2.017.1 Lead Acetate Test Paper, 10 Books(200 strips) / a Clear Plastic Case / Pk.
20 Strips / a Book, 1 Strip : L68×w10 mm



DAIHAN® Methane & Propane Gas Leak Detector "GAS3", with Alarm, 40~640 ppm
With 5-Level Leakage Indicator & Auto-Calibration Function, 메탄 & 프로판가스 누출 검지기

∗ Low Cost Handheld type Detector Checking Methane and Propane Gas Leakage.
∗ Bright 5-Level Leakage LED Indicator.
∗ Quality & Reliable Semi-Conductor Sensor.
∗ Built in Auto-Calibration Function while Meter Powers on.
∗ Long & Flexible Stainless Goose Neck Detect Probe.
∗ Status Ready and Battery Low LED Indicator.
∗ Acoustic Intermittent Beep.
∗ Auto Power off Timeout about 10 mins.
∗ Built in Earphone Jack for Mute Mode Use.

Specifications & Ordering information

<L1>

Spec. \ Model	DH.GAS3
Methane / Propane Range	40 ~ 640 ppm
Sensitivity	40 ppm (Methane & Propane)
Response Time & Warm Up	within 10 seconds / within 60 seconds
Battery	4×AA Battery or 9V Adaptor
Flexible Probe Length	18˝ (465mm)
Dimension & Weight(g)	175×47×h28 mm / 120g
Standard Package	Meter / Manual / Battery / Carrying Case
Cat. No. & Price ₩	**DH.Gas3003** **₩ 162,700 / Set**



DAIHAN® Pocket type CO Detector "GAS5", with Dual LCD Display, Alarm, 0~999 ppm
With Wrist Strap/Soft Carrying Pouch, 핸디 일산화탄소(CO) 디텍터

■ ***Supplied by DAIHAN Korea***
∗ Easy to Manually Calibrate at 0 or 500ppm Carbon Monoxide Standard Gas.
∗ Low Battery Indicator.
∗ Dual LCD Display with Current Carbon Monoxide and Maximum CO Readings.
∗ Long Life and Reliable Electrochemical Carbon Monoxide Sensor.
∗ Backlight Function Works in Dark Area.
∗ Warning Carbon Monoxide Audible Alert. Alarm Adjustable, Preset at 25ppm.

Specifications & Ordering information

<L1>

Spec. \ Model	DH.GAS5
CO Range & Resolution	0 ~ 999 ppm / 1 ppm
Accuracy (at 20±5℃, 50±20%RH)	±20% at 0 ~ 100ppm ; ±15% at 100 ~ 500ppm
Response Time / Battery	within 60 seconds / 3×AAA Battery
Dimension & Weight(g)	175× 47×h28 mm (LCD Size : 11×26 mm) / 120g
Standard Package	Meter / Manual / Battery / Plain Box / Wrist Strap / Soft Carrying Pouch
Cat. No. & Price ₩	**DH.Gas3005** **₩ 162,740 / Set**

DAIHAN® Combo Air Quality Meter of CO · CO_2 · Temp · RH% · Dew-point · Wet Bulb "GAS7", PC Data Analysis

0~1000ppm-CO, 0~9999ppm-CO_2, −20℃+60℃, 0.1~99.9% RH, −20℃+59.9℃-DP, −5℃+59.9℃-WB, Alarm **콤보 에어테스터**





Hard Carrying Case



① ②

* Manual Calibration is available for CO_2 / CO / RH%
* USB Output to PC for Data Analysis
* Designed with electrochemical CO Sensor and NDIR(Non-dispersive Infrared) Waveguide Technology CO_2 Sensor
* Warning Carbon Monoxide Level Programmable
* Audible Alarm (~80dh) Threshold Setting
* Max, Min, Average Functions Included
* 99 Points Memory Review

Specifications & Ordering information

〈L1〉

Spec. \ Model	DH.GAS7
6×Measuring Range	(1) CO_2 : 0 ~ 9999 ppm(5001 ~ 9999 ppm out of scale range), (2) CO : 0 ~ 1000 ppm, (3) Temp. : −20℃+60℃(−5°F+140°F), (4) RH : 0.1 ~ 99.9%RH, (5) DP : −20℃+59.9℃, (6) WB : −5℃+59.9℃
Accuracy	(1) CO_2 : ±30 ppm ±5% of reading (0 ~ 5000 ppm), Other ranges are not specified, (2) CO : ±10 ppm for less than 100 ppm / ±10% of reading for 101 ~ 500 ppm, ±20% of reading for 501 ppm and above, (3) Temp. : ±0.6℃/±0.9°F, (4) RH : ±3%RH(at 25℃, 10~90%RH), ±5%RH(at 25℃, other range)
Resolution	1 ppm, 0.1℃/°F, 0.1%RH
Response Time	(1) CO_2 : < 30 seconds (90% step change), (2) CO : < 60 seconds (90% step change), (3) Tair : < 2 mins (90% step change), (4) RH : < 10 mins (90% step change)
Power Supply	4×AA Battery or 9V adaptor (>24hours, Alkaline Battery)
Dimension & Weight(g)	205×70×h56 mm(LCD Size : 26×44 mm) / 200g
Standard Package	Meter / Manual / Battery / USB Cable & CD / Carrying case
Cat. No. & Price ₩	**DH.Gas3007** — **₩ 664,820 / Set**

Option ;	**DH.Gas3007.1**	① Cal. Salt Bottle, for Calibration, 33%, 56㎖	**₩ 82,290 / Ea**
	DH.Gas3007.2	② , 75%, 56㎖	**₩ 82,290 / Ea**

DAIHAN® Air Quality Meter of CO_2 · Temp · RH% · Dew-point · Wet-Bulb "GAS13", PC Data Analysis

0~9999ppm-CO_2, −10℃+60℃, 0.1~99.9% RH, −20℃+59.9℃-DP, −5℃+59.9℃-WB, 80dB-Alarm, **다기능 에어 미터**



Carrying Box



① ② ③ ④

■ Supplied by DAIHAN Korea

* Big LCD display : CO_2, Temp and Relative Humidity, Display Air / Dew Point / Wet Bulb Temp. by Selection
* NDIR(Non-Dispersive Infrared) Waveguide Technology CO_2 Sensor
* Warning Carbon Dioxide Level

Specifications & Ordering information

〈L1〉

Spec. \ Model	DH.GAS13
5×Measuring Range	(1) CO_2 : 0 ~ 9999 ppm, (2) Temp. : −10℃+60℃(14°F ~ 140°F), (3) RH% : 0.1 ~ 99.9%RH, (4) DP : −20.0℃+59.9℃, (5) WB : −5.0℃+59.9℃
Accuracy	(1) CO_2 : ±50 ppm ±5% of reading (0 ~ 2000 ppm), (2) Temp. : ±0.6℃ / ±0.9°F, (3) RH : ±3% RH(at 25℃, 10 ~ 90%RH)
Resolution	1 ppm, 0.1℃/°F, 0.1%RH
Response Time	(1) CO_2 : <30 sec, (2) Tair : <2 min, (3) RH : <10 min. (90% step change)
Warm-up Time / Battery	30 sec. / 4×AA Battery
Dimension / Weight(g)	205×70×h56mm(LCD Size : 26×44mm) / 200g
Standard Package	Meter / Manual / Battery / Hard Carrying Case
Cat. No. & Price ₩	**DH.Gas3013** — **₩ 333,290 / Set**

Option ;	**DH.Gas3013.1**	① USB Cable & Software	**₩ 82,290 / Ea**
	DH.Gas3013.2	② RS232 Cable & Software	**₩ 82,290 / Ea**
	DH.Gas3007.1	③ Cal. Salt Bottle, for Calibration, 33%, 56㎖	**₩ 82,290 / Ea**
	DH.Gas3007.2	④ , 75%, 56㎖	**₩ 82,290 / Ea**

※ The Price(VAT is extra) for Korean End-user, and Changeable.

DAIHAN® Wallmount Desktop Air Quality Monitor of CO_2 · Temp · RH% · Dew-point · Wet-Bulb "GAS15", PC Data Analysis
0~9999ppm-CO_2, −10℃+60℃, 0.1~99.9%RH, −20℃+59.9℃-DP, −5℃+59.9℃-WB, NDIR-Sensor, **다기능 벽걸이 에어 모니터**





* Super Large LCD display CO_2 Value
* Warning Carbon Dioxide Level with 80dB Alarm
* NDIR(Non-Dispersive Infrared) Waveguide Technology with ABC(Automatic Background Calibration)
* Long Time Drift Compensation
* Alarm Output Drive Relay to Control System

〈L1〉

Spec. \ Model	DH.GAS15
5×Measuring Range	(1) CO_2 : 0 ~ 9999 ppm (2001~9999 ppm out of Scale Range), (2) Temp. : −10℃+60℃(14°F ~140°F), (3) RH : 0.1 ~ 99.9%RH, (4) DP : −20.0℃+59.9℃, (5) WB : −5.0℃+59.9℃
Accuracy	(1) CO_2 : ±50 ppm ±5% of reading(0 ~ 2000 ppm),(2) Temp. : ±0.6℃ / ±0.9°F, (3) RH : ±3% RH(at 25℃, 10 ~ 90%RH) or ±5% RH(at 25℃, others)
Resolution	1 ppm, 0.1℃/°F, 0.1%RH
Response Time	(1) CO_2 : <30 sec, (2) Tair : <2 min, (3) RH : <10 min. (90% step change)
Warm-up Time	30 sec.
Power Supply	12V DC Adaptor
Dimension / Weight(g)	130×85×h60mm (LCD Size : 50×65 mm) / 200g
Standard Package	Meter / Manual / 12V Plug Adaptor / Plain Box
Cat. No. & Price ₩	**DH.Gas3015** — **₩ 298,320 / Set**

Option ;	**DH.Gas3013.1**	① USB Cable & Software	**₩ 82,290 / Ea**
	DH.Gas3013.2	② RS232 Cable & Software	**₩ 82,290 / Ea**
	DH.Gas3007.1	③ Cal. Salt Bottle, for Calibration, 33%, 56㎖	**₩ 82,290 / Ea**
	DH.Gas3007.2	④ , 75%, 56㎖	**₩ 82,290 / Ea**

DAIHAN® "Green Life" Indoor Air Monitor of CO_2 · Temp · RH% · Time Clock "GAS9", Desktop-model, 15 Degree Tilt Angle
With CO_2 Alarm, 0~9999ppm with Auto-Background Calibration, −10℃+60℃, 0.1~99.9%RH, **"그린라이프" 룸에어모니터**



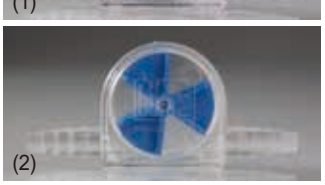
Indoor Air Monitor

■ ***Supplied by DAIHAN Korea***
* Display CO_2 Value (with Good, Normal, Poor Air), Year-Month-Date, Hour-Minute, Air Temp. & Relative Humidity
* NDIR (Non-dispersive Infrared) Waveguide Technology
* Warning Carbon Dioxide Level from 1000~5000 ppm

〈L1〉

Spec. \ Model	DH.GAS9
3×Measuring Range	(1) CO_2 : 0 ~ 9999 ppm (2001 ~ 9999 ppm out of scale range), (2) Temp. : −10℃+60℃(14°F ~ 140°F), (3) RH% : 0.1 ~ 99.9%RH
Resolution	1 ppm, 0.1℃/°F, 0.1%RH
Accuracy	(1) CO_2 : ±50ppm ±5% of reading (0 ~ 2000 ppm), (2) Temp. : ±0.6℃/±0.9°F, (3) RH% : ±5%RH(at 25℃, 20~90%RH), ±7%RH(at 25℃, other range)
Response time	(1) CO_2 : < 2 mins (90% step change), (2) Tair : < 2 mins (90% step change), (3) RH : < 10 mins (90% step change)
Power Supply	5V DC Adaptor(±10%), >= 500mA
Dimension & Weight(g)	120×80mm(LCD Size : 60×82 mm) / 200g
Standard Package	Meter / Manual / Adaptor / Plain Box
Cat. No. & Price ₩	**DH.Gas3009** — **₩ 244,030 / Set**





Burkle® Flow Indicator, PMP, for Gas & Liquid, Chemical Resistance, Blue-/Red-Color
For High-temperature, 121℃ Autoclave, 0℃~150/180℃, <Germany-Made> **고온용 PMP 유량계**

* Flow indicators give precise visual indication of the flow velocity of liquids or gases being transported through hose connections.
* The flow indicator with impeller functions in both directions and in any position.
* The impeller starts to rotate at a flow rate about 150 ml/min (liquids).
* Good Resistance to Chemical & High Temp.
* Not suitable for Strong Acids, Alkalis and Solvents.
* Can be Steam Sterilized.
* Suitable for Use at 80℃.
* Pressure Resistant up to 2 bar

〈L1〉

▸ **For Hoses with Inner Diameter of 6 - 11mm**

		Ea.	Price, ₩
BK.8720.2002	(1) PMP Flow Indicator, Size-w88×d15×h40mm, Red		36,450
BK.8720.2005	(2) , Blue		36,450



Kartell® Non-Return Valve, PP, Preventing Reverse Flow, <Italy-Made> PP **체크밸브 · 역류방지**

* Check Valve : Prevent Reverse-Flow in the Pressure & Vacuum.
* Useful for any tubing system and vacuum line.
* Pressure-resistant, 2 bar (28.4 psi)
* -10℃+125/140℃ Heat-resistant, Autoclavable.

〈L1〉

		Ea.	Price, ₩
KA.418	Valve, Non-return, PP, od 8 / 9 / 10 mm		3,830
KA.419	, od 12 / 13 / 15 mm		6,990

Articles	Cat. No	Description



Victor® General-purpose Single-stage Gas Regulator, Volume-mark
Working Pressure (Inlet : 250kg/cm², Outlet : 10kg/cm²), 1~8Lit **일반용 레귤레이터**

- ***Made in USA***
- ***Forged Bress Body for Maximum Strength***
- ***Easy to Read Dual Scale Gauge(bar & psi)***
- ***Include Inlet Filter for Removing Impurities***
- ***Inlet Port : W22-14RH (Oxygen : W23-14RH, Hydrogen : W22.5-14LF)***
- ***Outlet Port : 1/4" Air Coupler***

∗ Inlet Pressure(psi) : 3,000psi ∗ Outlet Pressure(psi) : 0~150psi, 0~30psi(CO_2)

※ Please Let us Know the Pipe Size when Your Custom Order !

〈L5〉

		Ea.	Price, ₩
DH.Reg8001	Regulators, Single-stage, 150psi, Air, Argon, Nitrogen, Helium		130,690
DH.Reg8002	, Oxygen		130,690
DH.Reg8003	, Hydrogen		130,690
DH.Reg8004	, 30psi, CO_2		130,690



Tanaka® Premium Gas Regulator, with 1-Stage or 2-Stage, Precision type
Working Pressure(Inlet : 250kg/cm², Outlet : 10kg/cm²), 1~8Lit **고급형 레귤레이터**

- ***Made in Japan***
- ***Nickel Plated C3604-Brass Body, Excellent Hot and Cold workability***
- ***Include Inlet SS Filter for Removing Impurities***
- ***SS316L Diagram Provides High Hardness and Corrosion Resistance***
- ***Display International System of Units : Mpa***
- ***Inlet Port : W22-14RH (Oxygen : W23-14RH, Hydrogen : W22.5-14LF)***
- ***Outlet Port : 1/4" Air Coupler***

∗ Ideal for High Purity Gas ∗ Inlet Pressure(MPa) : 15MPa ∗ Outlet Pressure(MPa) : 0~1MPa, 0~0.6MPa(CO_2)

※ Please Let us Know the Pipe Size when Your Custom Order !

(1) Single-Stage Regulator



(2) Two-Stage Regulators

(1) Single-Stage, Heavy-Duty Regulator

〈L5〉

		Ea.	Price, ₩
DH.Reg8006	Regulators, Single-stage, 1Mpa, Air, Argon, Nitrogen, Helium		207,570
DH.Reg8007	, Oxygen		207,570
DH.Reg8008	, Hydrogen		207,570
DH.Reg8009	, 0.6Mpa, CO_2		207,570

(2) Two-Stage Regulators, CM2-series, Precision type

∗ First-stage : Reduces Cylinder Pressure to Nearly 90% and Removes Impurities
∗ Second-stage : Accurately Control the Discharge Pressure
∗ The Output Pressure is Fixed Even if the Input Pressure is Changed

		Ea.	Price, ₩
DH.Reg8011	Regulators, Two-stage, 1Mpa, Air, Argon, Nitrogen, Helium		361,320
DH.Reg8012	, Oxygen		361,320
DH.Reg8013	, Hydrogen		361,320
DH.Reg8014	, 0.6Mpa, CO_2		361,320



(3) Needle Valve for Regulator

(3) Optional Needle Valve

∗ Inlet & Outlet : 1/4″ NPT

		Ea.	Price, ₩
DH.Reg8101	Needle Valve for Regulators		27,680

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Kovea® Gas Torch, Manual Ignition, High Firepower, 235g
With Anti Flare System, One-Touch Coupling, 가스 토치, 수동점화



* 숯, 간단한 동용접, 파이프 작업 등 다용도로 사용가능
* Size : 117×40×h250mm
* Weight : 235g
* Manual Ignition
* Fuel : Butane
* Gas Consumption : 300g / hr
* Ideal for Charcoal, Welding, Pipe work, and other High Flame Power Activities. 〈B3〉

		Ea.	Price, ₩
K12.KT2408	Torch, Basic, 117×40×h250mm, 235g		8,340

Kovea® Gas Torch, Piezo-electric Auto-ignition, 135g
With Adjustable Flame, One-Touch Coupling, 가스 토치, 압전 자동점화



* 숯, 파이프 작업 등 다용도로 사용가능
* Size : 150×43×h200mm
* Weight : 135g
* Manual Ignition
* Fuel : Butane
* Gas Consumption : 80g / hr

〈B3〉

		Ea.	Price, ₩
K12.KT2211	Torch, Safety, 150×43×h200mm, 135g		11,680

Kovea® Gas Torch, Piezo-electric Auto-ignition, 1,300℃
With Anti Flare System, One-Touch Coupling, 가스 토치, 압전 자동점화



* 숯, 파이프, 음식 조리용 등 다용도로 사용가능
* Size : 122×56×h220mm
* Weight : 253g
* Fuel : Butane
* One Touch Piezo Ignition
* Gas Consumption : 106g / hr
* Ideal for Metal / Dental / Jewelry / Glass Crafts 〈B3〉

		Ea.	Price, ₩
K12.KT2603	Torch, Safety, 122×56×h220mm, 253g		25,790

Kovea® Micro Gas Torch, Piezo-electric Auto-ignition, 1,300℃
With Ignition Safety Lock System, 가스 토치, 불꽃 미세조정



* 불꽃 미세조정 기능
* 금속/치과/보석/유리 공예 등 다용도로 사용가능
* Size : 130×46×h144mm
* Weight : 125g
* One Touch Piezo Ignition
* Gas Consumption : 15g / hr
* Fuel : Butane 〈B3〉

		Ea.	Price, ₩
K12.KT2301	Torch, Precise Control, 130×46×h144mm, 125g		23,330

가스점화기, Auto Piezo-Lighter

* Safety Piezo · Electric Stick Lighter



(1)



(2)

〈B3〉

		Ea.	Price, ₩
(1) ARIM® L250mm <Korea>			
0512-571	"AGM-8801-Ⅱ", Normal-type, L250mm		5,080
0512-574	"AGM-8802TC-Ⅱ", Torch-type, L250mm		11,470

(2) Bochem® L220mm <Germany>

* Color delivered Randomly

〈L1〉

		Ea.	Price, ₩
BC.7612	"PIEZO", Uni, L220mm		33,580





SciLab® Gas Washing Bottle, Safety GL Screw System & Graduation, SciLab glass 100~1,000㎖
With GL45 PP Opentop Screwcap with PTFE / Silicone O-ring, Autoclavable, 눈금부 안전가스 세척병

■ Supplied by SciLab Korea ***■ Custom-Made Available / 규격외 Items 자유롭게 주문하세요!***

■ PP GL45 Opentop Screwcap

* Graduated, Autoclavable.
* (1) With or (2) Without Glass Filter Disc.
* 125/140℃ PP Screw (GL45) Cap with PTFE / Silicone O-Ring ; Perfect Sealing and Fit to All GL45 Bottles.
* Replaceable Parts In-let / Out-let PP Screw (GL14) Connection Tube Kit : Φ9mm Olive

(1) With Glass Filter Disc P1, 250~1,000㎖

* Porosity P1 : 100㎛ ~ 160㎛

〈L1〉

		Ea.	Price, ₩
SL.Bot2085C	Gas Wash Bottle, GL45 Sys.100~160㎛, GL14 In-Out, 250㎖ , Φ70mm		84,550
SL.Bot2086C	, 500㎖ , Φ86mm		102,460
SL.Bot2087C	, 1,000㎖, Φ101mm		109,100

(2) Without Filter ; 100~500㎖

		Ea.	Price, ₩
SL.Bot2075C	Gas Wash Bottle, GL45 Sys. GL14 In-Out, 100㎖, Φ56mm		67,210
SL.Bot2076C	, 250㎖, Φ70mm		72,100
SL.Bot2077C	, 500㎖, Φ86mm		76,990



PC Gas Wash Bottle, with PE Cap & Silicone O-Ring, 250~1,000㎖
Ideal for Low Temperature, PC 가스 세척병, 저온용에 최적

■ Supplied by SciLab Korea

* Material : Body / PC(Polycarbonate), Tube cap / PE(Polyethylene), O-ring / Silicone

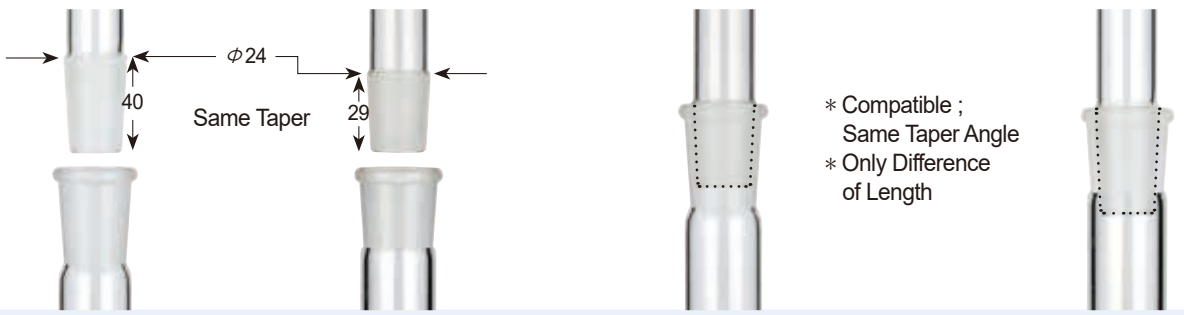
〈L2〉

		Ea.	Price, ₩
SL.Bot3801	Gas Wash Bottle, PC, 250㎖ , Φ65×h145mm , Tube od.Φ8mm		69,450
SL.Bot3802	, 500㎖ , Φ80×h180mm , Tube od.Φ8mm		79,930
SL.Bot3803	, 1,000㎖, Φ100×h210mm, Tube od.Φ8mm		94,100

Articles	Cat. No	Description

REFERENCE ;
Glass Taper Joint ASTM(Long) and DIN(Standard) are perfectly COMPATIBLE due to The Same Taper Angle.
But, there is Only Difference of Length(mm).

<EX> COMPATIBILITY with 24/40 ASTM and 24/29 DIN Joint. * Unit ; mm



24/40 ASTM | 24/29 DIN | 24/29 Cone + 24/40 Socket | 24/40 Cone + 24/29 Socket



Premium DURAN Glass Solvent Still Head, for Distillation and Collection, with Joints 24/40 & 14/23
With DURAN® PTFE 2 & 3-Way Stopcocks, 250~1000㎖, 솔벤트 스틸헤드

- ***Supplied by SciLab Korea***
- ***Custom-Made Available / 규격외 Items 자유롭게 주문하세요!***
- **▸ Use : For Distillation and Collection of Oxygen(O_2) Free Solvents.**

* Solvent Removed from the Flask Via
  - Top PTFE Stopcock(SM.28641340 : Φ2.5mm Bore) by Syringe.
  - Drainage(14/23) Through "T" Way PTFE Stopcock(Wig.0265002).
* Main Joint 24/40 Socket & Cone, and Side Joint 14/23 Socket & Cone

〈L1〉

		Ea. Price, ₩
SL.Ada2330	250㎖, ASTM-24/40, h230mm	210,830
SL.Ada2331	500㎖, , h240mm	217,320
SL.Ada2332	1000㎖, , h270mm	256,590



(1) Without Return Holes



(2) With Return Holes



(3) With Filter Disk

Premium DURAN Glass Rotary Evaporator Safety Trap / Splash Head Adapter
With ASTM & DIN Joints, 100~500㎖, 에바포레이터 트랩(헤드 어댑터)

- ***Supplied by SciLab Korea***
- ***Custom-Made Available / 규격외 Items 자유롭게 주문하세요!***

(1) Evaporator Trap, without Return Holes 〈L1〉

① with ASTM Joint		Ea. Price,₩	② with DIN Joint		Ea. Price,₩
SL.Ada2280	100㎖, 24/40	35,650	**SL.Ada2283**	100㎖, 29/32	38,840
SL.Ada2281	250㎖, 24/40	35,870	**SL.Ada2284**	250㎖, 29/32	39,050
SL.Ada2282	500㎖, 24/40	40,150	**SL.Ada2285**	500㎖, 29/32	41,150

(2) Evaporator Trap, with Return Holes

① with ASTM Joint		Ea. Price,₩	② with DIN Joint		Ea. Price,₩
SL.Ada2290	100㎖, 24/40	48,000	**SL.Ada2296**	100㎖, 24/29	47,890
SL.Ada2291	, 29/42	50,540	**SL.Ada2297**	, 29/32	51,120
SL.Ada2292	250㎖, 24/40	55,770	**SL.Ada2298**	250㎖, 24/29	56,050
SL.Ada2293	, 29/42	58,320	**SL.Ada2299**	, 29/32	58,820
SL.Ada2294	500㎖, 24/40	62,870	**SL.Ada2300**	500㎖, 24/29	62,870
SL.Ada2295	, 29/42	65,430	**SL.Ada2301**	, 29/32	65,930

(3) Evaporator Trap, with Glass Filter Disk

* Filter Porosity : "P1" 100~160㎛ : Protection of Condenser Contamination

① with ASTM Joint		Ea. Price,₩	② with DIN Joint		Ea. Price,₩
SL.Ada2303	250㎖, 24/40	70,890	**SL.Ada2305**	250㎖, 24/29	73,590
SL.Ada2304	, 29/42	72,740	**SL.Ada2306**	, 29/32	73,230

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



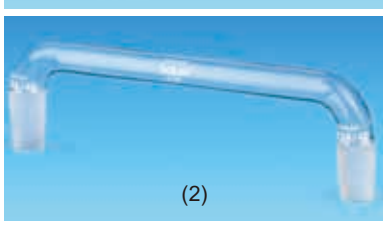
Splash Head Adapter, for Vertical Distillation, with ASTM & DIN Joints
Ideal for Kjeldahl Apparatus, Custom-Made Available, **킬달 트랩 어댑터**

■ ***Supplied by SciLab Korea*** ■ ***Custom-Made Available / 규격외 Items 자유롭게 주문하세요!***

〈L1〉

		Ea. Price, ₩
SL.Ada2254	Adapter, Splash Head, DIN-2×14/23	48,220
SL.Ada2258	-2×24/29	50,630
SL.Ada2256	, ASTM-2×24/40	47,990





Recovery Still Head Adapter, with ASTM & DIN Joints, **스틸 헤드 어댑터**

■ ***Supplied by SciLab Korea***
■ ***Custom-Made Available / 규격외 Items 자유롭게 주문하세요!***

(1) 75° Angle-Type

〈L1〉

		Ea. Price, ₩
SL.Ada2801	Adapter, Recovery Still Head, 75° Angle-type, DIN-14/23	10,670
SL.Ada2804	-24/29	15,120
SL.Ada2808	, ASTM-24/40	20,480

(2) Vertical-Mode, Approx 220mm width

		Ea. Price, ₩
SL.Ada2811	Adapter, Recovery Still Head, Vertical-mode, DIN-14/23	15,120
SL.Ada2814	-24/29	25,280
SL.Ada2818	, ASTM-24/40	24,830



Recovery Still Head Adapter, with ASTM & DIN Joints

■ ***Supplied by SciLab Korea***
■ ***Custom-Made Available / 규격외 Items 자유롭게 주문하세요!***

〈L1〉

		Ea. Price, ₩
SL.Ada2323	Adapter, Recovery Still Head, DIN-14/23 Cone & Socket	37,040
SL.Ada2329	-24/29 Cone & Socket	39,070
SL.Ada2326	, ASTM-24/40 Cone & Socket	38,520



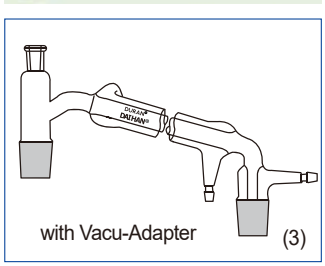
Still Head Adapter, with 75° Angle, with ASTM & DIN Joints, **스틸 헤드 어댑터**

■ ***Supplied by SciLab Korea***
■ ***Custom-Made Available / 규격외 Items 자유롭게 주문하세요!***

〈L1〉

		Ea. Price, ₩
SL.Ada2821	Adapter, Still Head, 75° Angle, DIN-14/23	19,120
SL.Ada2824	-24/29	23,770
SL.Ada2266	, ASTM-24/40	32,600





Distillation Head, with Condenser, with ASTM & DIN Joints, **냉각기부 증류 헤드**

■ ***Supplied by SciLab Korea*** ■ ***Custom-Made Available / 규격외 Items 자유롭게 주문하세요!***

∗ 14/23 Joint : Ideal for Thermometer Connection

〈L1〉

(1) With 14/23 Joint

		Ea. Price, ₩
SL.Ada2340	15cm Condenser, DIN-14/23 All	55,920

(2) Distill. Head w/Condenser, with 24/40 Cone and Upper 14/23 Socket

		Ea. Price, ₩
SL.Ada2341	20cm Condenser, ASTM-24/40	61,470
SL.Ada2342	25cm Condenser, -24/40	62,820
SL.Ada2343	30cm Condenser, -24/40	65,620
SL.Ada403	Acce. : 14/23 PTFE Thermometer Holder, hole Φ6±0.5mm	12,750

(3) Still Link Adapter, with Vacuum Receiver Adapter

		Ea. Price, ₩
SL.Ada2350	20cm Condenser, DIN-14/23 All	74,390
SL.Ada2351	25cm Condenser, ASTM-24/40 All	84,480
SL.Ada2353	30cm Condenser, -24/40 All	87,990

Articles	Cat. No	Description


(1)


(2)


(3)

Distillation Head, Short Path, with ASTM & DIN Joints, 숏패스형 증류 헤드

■ ***Supplied by SciLab Korea*** ■ ***Custom-Made Available / 규격외 Items 자유롭게 주문하세요!***

∗ 14/23 Joint : for Thermometer Connection

〈L1〉

(1) General-type

		Ea. Price, ₩
SL.Ada2360	Distillation Head, General-type, DIN-14/23 All	87,620
SL.Ada2362	-24/29, 14/23 Socket	93,180
SL.Ada2361	, ASTM-24/40, 14/23 Socket	92,730

(2) Vacuum Jacketed-type

		Ea. Price, ₩
SL.Ada2363	Distillation Head, Vacuum Jacketed-type, DIN-14/23 All	113,040
SL.Ada2365	-24/29, 14/23 Socket	135,180
SL.Ada2364	, ASTM-24/40, 14/23 Socket	134,730

(3) Vigreux-type

		Ea. Price, ₩
SL.Ada2366	Distillation Head, Vigreux-type, DIN-14/23 All	102,650
SL.Ada2368	-24/29, 14/23 Socket	112,820
SL.Ada2367	, ASTM-24/40, 14/23 Socket	112,380

Optional PTFE Thermometer Holder, DIN-14/23

		Ea. Price, ₩
SL.Ada403	Optional Thermometer Holder, DIN-14/23, hole Φ6±0.5mm	12,750



Receiver Adapter, with ASTM & DIN Joints
Made of Borosilicate Glass α 3.3, 리시버 어댑터

■ ***Supplied by SciLab Korea*** ■ ***Custom-Made Available / 규격외 Items 자유롭게 주문하세요!***

〈L1〉

(1) With Short Stem L65mm(approx)

		Ea. Price, ₩
SL.Ada2150	Adapter, Receiver, with Short Stem, DIN-14/23	9,150
SL.Ada2542	-24/29	12,680
SL.Ada2152	, ASTM-24/40	12,680

(2) With Long Stem L200mm(approx)

		Ea. Price, ₩
SL.Ada2544	Adapter, Receiver, with Long Stem, DIN-14/23	14,470
SL.Ada2546	-24/29	17,330
SL.Ada2548	, ASTM-24/40	17,850



Plain Bend Receiver Adapter, with ASTM & DIN Joints, 밴드 어댑터

■ ***Supplied by SciLab Korea***
■ ***Custom-Made Available / 규격외 Items 자유롭게 주문하세요!***

〈L1〉

		Ea. Price, ₩
SL.Ada2841	Adapter, Plain Bend Receiver, DIN-2×14/23	13,800
SL.Ada2844	-2×24/29	19,190
SL.Ada2848	, ASTM-2×24/40	20,430



Angled Vacuum Receiver Adapter, Safety-Type with ASTM & DIN Joints
With Detachable GL14 PP Screw Connector Kit-Tube od Φ 8mm, 105° 곡형 진공 어댑터

■ ***Supplied by SciLab Korea***
■ ***Custom-Made Available / 규격외 Items 자유롭게 주문하세요!***

〈L1〉

		Ea. Price, ₩
SL.Ada2851	Adapter, Angled Vacuum Receiver, DIN-14/23	19,850
SL.Ada2854	-24/29	25,470
SL.Ada2192	, ASTM-24/40	34,230

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



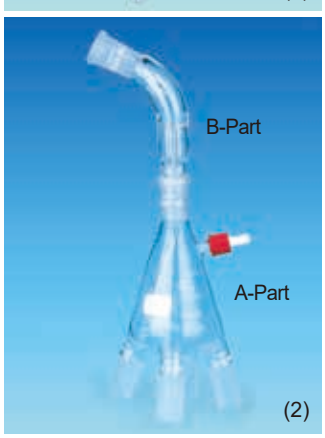
Straight Vacuum Receiver Adapter, Safety-Type with ASTM & DIN Joints
With Detachable GL14 PP Screw Connector Kit-Tube od Φ 8mm, 직선형 진공 어댑터

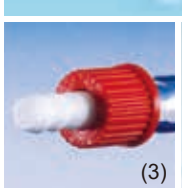
■ *Supplied by SciLab Korea*
■ *Custom-Made Available / 규격외 Items 자유롭게 주문하세요!*

〈L1〉

Cat. No	Description	Ea. Price, ₩
SL.Ada2861	Adapter, Straight Vacuum Receiver, DIN-14/23	19,850
SL.Ada2864	-24/29	25,470
SL.Ada2209	, ASTM-24/40	31,500









Safety Vacuum Receiver Adapter, for 3 or 4 Small Flasks, with ASTM & DIN Joints
With Detachable GL14 PP Screw Connector Kit-Tube od Φ 8mm, 140℃, 안전 진공 어댑터

■ *Supplied by SciLab Korea* ■ *Custom-Made Available / 규격외 Items 자유롭게 주문하세요!*

〈L1〉

(1) For 3×Small Flasks, Receiver Adapter, (Below 100㎖)

Cat. No	Description	Ea. Price, ₩
SL.Ada2230	Adapter, Safety Vacuum Receiver, DIN-4×14/23	72,440
SL.Ada2234	-24/29 Socket, 3×14/23 Cone	78,640
SL.Ada2232	, ASTM-24/40 Socket, 3×14/23 Cone	78,540

(2) For 4×Small Flasks, Receiver Adapter, (Below 100㎖)

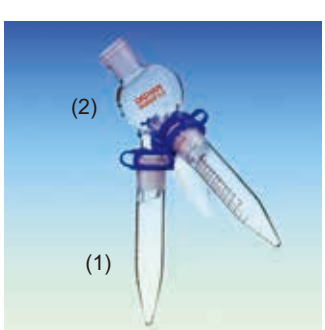
Cat. No	Description	Ea. Price, ₩
SL.Ada2235	Adapter, Safety Vacuum Receiver, A-Part, DIN-5×14/23	86,370
SL.Ada2239	-24/29 Socket, 4×14/23 Cone	88,220
SL.Ada2237	, ASTM-24/40 Socket, 4×14/23 Cone	83,700
SL.Ada2420	Adapter, Safety Vacuum Receiver, B-Part, DIN-14/23	32,640
SL.Ada2426	-24/29 Socket, 14/23 Cone	34,440
SL.Ada2427	-24/29 Socket & Cone	34,890
SL.Ada2421	, ASTM-24/40 Socket, 14/23 Cone	32,140
SL.Ada2422	-24/40 Socket & Cone	33,680

(3) Spare, Safety GL14 PP Screw Connector Kit

Cat. No	Description	Ea. Price, ₩
SL.Con3031	Connect, PP, Strai, GL14, od. 8 mm tube	1,530

(4) Optional, Small Round Bottom Flasks, 14/23, 24/29 & 24/40, 5~50㎖

Cat. No	Description	Ea. Price, ₩
SL.Fla2174	R/B Flask, 5㎖ , DIN-14/23, Φ30×h70mm	14,100
SL.Fla2175	, 10㎖, -14/23, Φ36×h85mm	14,100
SL.Fla2176	, 25㎖, -14/23, Φ43×h95mm	13,870
SL.Fla2190	, 50㎖, -24/29, Φ51×h105mm	16,250
SL.Fla2177	, ASTM-24/40, Φ51×h105mm	16,250



SciLab® DURAN glass Fine Graduated Receiver Tube, 14/23, 12 & 15㎖
Without Vacuum Receiver Adapter(Option), 눈금 수기 시험관, 정밀형

■ *Supplied by SciLab Korea* ■ *Custom-Made Available / 규격외 Items 자유롭게 주문하세요!*

〈L1〉

(1) Receiver Tube : 12㎖ & 15㎖

Cat. No	Description	Ea. Price, ₩
SL.Tub2001	Receiver Tube, DIN-14/23, 12 / 0.1㎖	24,870
SL.Tub2002	, 15 / 0.2㎖	24,870

〈L6〉

(2) Optional Vacuum Receiver Adapter and Clamp

Cat. No	Description	Ea. Price, ₩
SL.Ada2198	3Places Receiver Adapter, DIN-14/23, Custom-made ; Joint Socket	58,040
SM.28633630	POM Taper Joint Clamp, DIN-14/23	5,990

Articles	Cat. No	Description





Reducing & Expansion Adapter, with ASTM & DIN Joints
Made of Borosilicate Glass α 3.3, 조인트 확대 / 축소 어댑터

■ ***Supplied by SciLab Korea*** ■ ***Custom-Made Available / 규격외 Items 자유롭게 주문하세요!***

(1) Joint Reducing Adapter

		〈L1〉 Ea. Price,₩
SL.Ada2531	**ASTM**, Socket-14/23, Cone-24/40	11,720
SL.Ada2533	-24/40, Cone-29/42	14,470
SL.Ada2534	-34/45	25,500
SL.Ada2535	-45/50	26,740
SL.Ada2501	**DIN**, Socket-14/23, Cone-19/26	10,700
SL.Ada2502	-24/29	11,170
SL.Ada2503	-29/32	12,100
SL.Ada2504	-19/26, Cone-24/29	10,350
SL.Ada2505	-29/32	13,530
SL.Ada2506	-24/29, Cone-29/32	14,150
SL.Ada2507	-34/35	16,900
SL.Ada2508	-29/32, Cone-34/35	20,280
SL.Ada2509	-45/40	27,720
SL.Ada2510	-34/35, Cone-45/40	41,430
SL.Ada2511	-50/42	49,950

(2) Joint Expansion Adapter

		Ea. Price,₩
SL.Ada2536	**ASTM** Socket-24/40, Cone-14/23	14,820
SL.Ada2537	-29/42, Cone-24/40	21,630
SL.Ada2538	-34/45, -24/40	25,500
SL.Ada2540	-45/50, -24/40	25,970
SL.Ada2521	**DIN** Socket-19/26, Cone-14/23	10,700
SL.Ada2522	-24/29, Cone-14/23	12,100
SL.Ada2523	-19/26	12,100
SL.Ada2524	-29/32, Cone-19/26	15,320
SL.Ada2525	-24/29	15,590
SL.Ada2526	-34/35, Cone-19/26	19,190
SL.Ada2527	-24/29	20,540
SL.Ada2528	-29/32	21,870
SL.Ada2529	-45/40, Cone-29/32	30,930



(1) ASTM-type
(2) DIN-type

Cowie® Extension & Reducing Adapter, PTFE, for High Vacuum Seals of Glass Joints, 280℃
With ASTM & DIN Joint-type, NO-Grease, NO-Breakage, NO-Leak, PTFE 조인트 확대 / 축소 어댑터, 글라스 Joint 진공용

■ ***Made in U.K*** ■ ***High Vacuum Seals using Standard Ground Glass Joints***

∗ Manufactured using Pure, Virgin Material, PTFE ∗ NO-Grease, NO-Breakage, NO-Leak

(1) with ASTM Joint-type

		〈L1〉 Ea. Price,₩
CW.021.01019	Socket-10/30, Cone-19/38	21,040
CW.021.01424	-14/35, -24/40	30,920
CW.021.01924	-19/38, -24/40	30,920
CW.021.01929	-19/38, -29/42	36,940
CW.021.02429	-24/40, -29/42	43,790
CW.021.02434	-24/40, -34/45	48,040
CW.021.02445	-24/40, -45/50	63,740

(2) with DIN Joint-type

		Ea. Price,₩
CW.021.1014	Socket-10/19, Cone-14/23	19,190
CW.021.1419	-14/23, -19/26	22,840
CW.021.1424	-14/23, -24/29	28,440
CW.021.1924	-19/26, -24/29	28,440
CW.021.1929	-19/26, -29/32	35,880
CW.021.2429	-24/29, -29/32	35,880
CW.021.2434	-24/29, -34/35	42,750
CW.021.2445	-24/29, -45/40	47,790





PTFE Sleeve

Cowie® Sleeve for Glass Joint Cone Cover, PTFE, Ideal for Vacuum-use
With ASTM & DIN Joint-type, NO-Grease, NO-Breakage, NO-Leak, <UK-Made> PTFE 슬리브

■ ***Rigid Wall Thickness : 0.05mm***

(1) for ASTM Joint-type

		〈L1〉 Pk.	Price, ₩
CW.019.014	Joint, Sleeve, 14/35	10ea	29,370
CW.019.019	, 19/38	10ea	30,740
CW.019.024	, 24/40	10ea	22,320
CW.019.029	, 29/42	10ea	33,690
CW.019.034	, 34/45	10ea	36,170
CW.019.045	, 45/50	10ea	55,490

(2) for DIN Joint-type

		Pk.	Price, ₩
CW.019.114	Joint, Sleeve, 14/23	10ea	18,240
CW.019.119	, 19/26	10ea	18,800
CW.019.124	, 24/29	10ea	19,580
CW.019.129	, 29/32	10ea	20,930
CW.019.134	, 34/35	10ea	30,740
CW.019.145	, 45/40	10ea	44,320



Cowie® PTFE Flexible-Bellows Vacuum Joint Connector, −200℃+280℃
With 14/-~45/- Joint-Cone & Socket, <UK-Made> 휘어지는 PTFE Joint 연결관

∗ Used to Correct Mis-alignment and Relieve Stress in Glassware Assemblies.
∗ Suitable for High Vacuum





(1) ASTM Long Joints-type

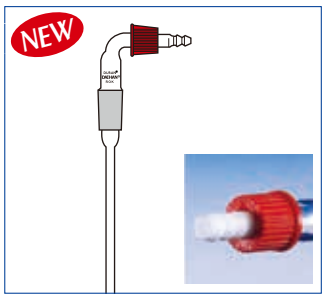
		〈L1〉 Ea. Price,₩
CW.008.1414	PTFE, 14/35, L115mm	82,320
CW.008.1919	, 19/38, L120mm	83,620
CW.008.2424	, 24/40, L130mm	114,420
CW.008.2929	, 29/42, L140mm	128,100
CW.008.3434	, 34/45, L145mm	119,350
CW.008.4545	, 45/50, L155mm	199,400

(2) ISO/DIN Standard-type

		Ea. Price,₩
CW.008.01414	PTFE, 14/23, L 90mm	87,840
CW.008.01919	, 19/26, L100mm	96,520
CW.008.02424	, 24/29, L110mm	107,980
CW.008.02929	, 29/32, L115mm	133,450
CW.008.03434	, 34/35, L120mm	146,880

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



Gas inlet Adapter, Φ7×h200mm, with Safety GL14 PP Screw Connector Kit With ASTM & DIN Joints, Can be Cut the Height, 가스인렛 어댑터

■ ***Supplied by SciLab Korea*** ■ ***Custom-Made Available / 규격외 Items 자유롭게 주문하세요!***

〈L1〉

		Ea. Price, ₩
SL.Ada2871	Gas inlet Adapter, Φ7×h200mm, DIN-14/23	12,990
SL.Ada2874	-24/29	16,520
SL.Ada2878	, ASTM-24/40	20,000

Spare, Safety GL14 PP Screw Connector Kit, Interchangeable

		Ea. Price, ₩
SL.Con3031	Connect, PP, Strai, GL14, od. 8 mm tube	1,530

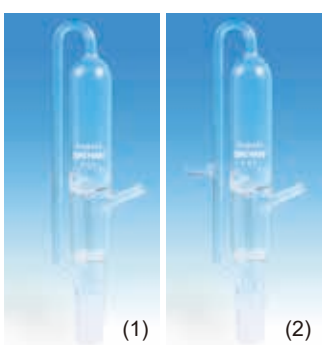


2-way Gas inlet Adapter, with ASTM & DIN Joints, Φ7×h200mm, 이방 가스투입 어댑터

■ ***Supplied by SciLab Korea***
■ ***Custom-Made Available / 규격외 Items 자유롭게 주문하세요!***

〈L1〉

		Ea. Price, ₩
SL.Ada2376	Adapter, 2-way Gas inlet, DIN-14/23	22,640
SL.Ada2378	-24/29	28,530
SL.Ada2377	, ASTM-24/40	27,770



Gas Bubbler Joint, with ASTM & DIN Joints, Φ30×h205mm, 가스 버블러

■ ***Supplied by SciLab Korea***
■ ***Custom-Made Available / 규격외 Items 자유롭게 주문하세요!***

〈L1〉

(1) With Side-arm of Body

		Ea. Price,₩
SL.Ada2380	DIN-14/23	53,470
SL.Ada2382	-24/29	62,700
SL.Ada2381	ASTM-24/40	61,500

(2) With 2 Side-arms of Body & Side Tube

		Ea. Price,₩
SL.Ada2383	DIN-14/23	53,470
SL.Ada2385	-24/29	62,700
SL.Ada2384	ASTM-24/40	63,700

Articles	Cat. No	Description

Multiuse Glass Screw-adapter Set, for (1) Vacu-Stirrer Guide or (2) Thermometer/Tubing Holder, for Φ6~12mm-Grip

With DURAN® PBT GL-Opentop Screwcap · PTFE-Silicone O-Ring Seal · Joint, Anti-Chemical, 200℃-stable, **다용도 스크류 어댑터 셋트**





↑ Figure of Components

■ ***Supplied by SciLab Korea*** ■ ***Custom-Made Available / 규격외 Items 자유롭게 주문하세요!***

(1) For Vacuum Stirrer Guide, for Φ8~12mm Stir-Shafts, with DURAN® GL25 & 32 Seal Kit & Joint

〈L1〉

① with ASTM 24/40~45/50 Joint		Ea. Price,₩
SL.StiS241	for Φ8 mm Rod , GL25, 24/40	35,020
SL.StiS243	, 34/45	41,500
SL.StiS245	for Φ10mm Rod, GL25, 24/40	39,420
SL.StiS246	, 34/45	48,370
SL.StiS247	, GL32, 34/45	54,370
SL.StiS251	for Φ12mm Rod, GL32, 34/45	54,120
SL.StiS252	, 45/50	60,280

② with DIN 24/29~45/40 Joint		Ea. Price,₩
SL.StiS241D	for Φ8 mm Rod , GL25, 24/29	35,240
SL.StiS243D	, 34/35	44,370
SL.StiS245D	for Φ10mm Rod, GL25, 24/29	39,640
SL.StiS246D	, 34/35	48,370
SL.StiS247D	, GL32, 34/35	53,270
SL.StiS251D	for Φ12mm Rod, GL32, 34/35	53,020
SL.StiS252D	, 45/40	66,670

(2) For Thermometer/Tube/Rod Holder, for Φ6 / 7mm Grip, with DURAN® GL14 Seal Kit & Joint

① with ASTM & 14/23 Joint		Ea. Price,₩
SL.Ada2011	for Φ6/7mm grip, GL14, 14/23	24,830
SL.Ada2013	, 24/40	25,830

② with DIN Joint		Ea. Price,₩
SL.Ada2011	for Φ6/7mm grip, GL14, 14/23	24,830
SL.Ada2015	, 24/29 *New*	26,040



Screw Glass Adapter Only, with Cone Joint, for the Screw Adapter Set

■ ***Supplied by SciLab Korea*** ■ ***Custom-Made Available / 규격외 Items 자유롭게 주문하세요!***

〈L1〉

(1) with ASTM Joint		Ea. Price,₩
SL.Ada2020	GL14, Cone-14/23*	15,930
SL.Ada2022	-24/40	16,920
SL.Ada2026	GL25, Cone-24/40	21,180
SL.Ada2027	-34/45	22,600
SL.Ada2029	GL32, Cone-34/45	28,820
SL.Ada2030	-45/50	41,580

(2) with DIN Joint		Ea. Price,₩
SL.Ada2020	GL14, Cone-14/23*	15,930
SL.Ada2032	-24/29	18,130
SL.Ada2036	GL25, Cone-24/29	20,300
SL.Ada2037	-34/35	22,390
SL.Ada2039	GL32, Cone-34/35	27,720
SL.Ada2040	-45/40	43,570

DURAN® High-Temp. PBT Opentop- & Closetop-Screwcap, with Screw GL14~32, Anti-Chemical, −45℃+200℃ Stable

(1) Opentop-form : for O-Ring Seal/Inject-Septa, &c, (2) Closetop-form : for Closure, <Germany-Made> **고온용 PBT 스크류캡**



(1) Opentop



(2) Closetop

〈L1〉

(1) PBT Opentop Cap, Hole Φmm		Pk. Price,₩
DU.2922705	OpenCap, GL14, Hole-Φ9.5	10ea 23,370
DU.2922706	, GL18, -Φ11	10ea 28,240
DU.2922709	, GL25, -Φ15	10ea 39,920
DU.2922708	, GL32, -Φ20	10ea 40,240

(2) PBT Closetop Cap, for Closure with PTFE/Silicone Liner		Pk. Price,₩
DU.2924008	CloseCap, GL14, Φ20×h17	10ea 4,130
DU.2924011	, GL18, Φ23×h20	10ea 4,730
DU.2924013	, GL25, Φ33×h23	10ea 5,840
DU.2924019	, GL32, Φ41×h26	10ea 7,880

PTFE-bonded Silicone O-Ring Seal and Injection Silicone Septa, Used with GL14~32 Opentop Screwcap

(1) O-Ring Seal : for Fixing/Holding of Rod/Tube, (2) Septa : for Injection or Removal of Media, PTFE/**실리콘 오링 씰 및 실리콘 셉타**



(1) O-Ring Seal PTFE/Sili.



(2) Sili-Septa for Piercing

■ ***Supplied by DURAN(DU.) and SciLab Korea(SL.)*** ■ ***230℃ Stable, Autoclavable***

〈L1〉

(1) PTFE/Silicone O-Ring Seal, Φmm		Ea. Price,₩
DU.2923406	O-Ring, GL14, id/od-Φ6/12	6,240
DU.2923508	, GL18, id/od-Φ8/16	7,240
DU.2923708	, GL25, id/od-Φ8/22	11,650
DU.2923710	-Φ10/22	11,650
DU.2923610	, GL32, id/od-Φ10/29	16,080
DU.2923612	-Φ12/29	15,840
DU.2923614	-Φ14/29	17,070

(2) Silicone Septa, for Piercing		Pk. Price,₩
	* Thickness-2.5mm	
SL.Sep6201	Sil-Septa, GL14, Φ13mm	10ea 6,190
SL.Sep6202	, GL18, Φ16mm	10ea 6,190
SL.Sep6203	, GL25, Φ23mm	10ea 8,740
SL.Sep6204	, GL32, Φ30mm	10ea 11,650

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



Screw Adapter Set for Thermometer & Inlet Tubes, with Glass Cone, for Φ5~7mm Grip
With PP Open-top Screwcap & Silicone O-ring Gasket, 스크류 온도계 어댑터

■ ***Supplied by SciLab Korea*** ■ ***Custom-Made Available / 규격외 Items 자유롭게 주문하세요!***

∗ Silicone O-ring Gasket has 4mm Thickness

〈L1〉

		Ea. Price, ₩
SL.Ada2881	Thermometer Adapter, Screw, with Glass Cone, Grip Φ5~Φ7mm, DIN-14/23	14,340
SL.Ada2884	-24/29	15,740
SL.Ada2888	, ASTM-24/40	19,890



SciLab® Stirrer-Guide/Seals, PTFE, for Φ8~Φ14mm Shafts, with 24/- & 34/-Joints
With 2 Bearings / Screw-Retainer / Viton O-ring, −180℃+260℃ Stable, <Korea-Made> PTFE 스터러 씰

(1) for Φ8mm Stir-Shafts

〈L1〉

		Ea. Price,₩
SL.Ada405	for Φ8mm Rod, 24/40	45,900
SL.Ada407	, 34/45	51,000

(2) for Φ10mm Stir-Shafts

		Ea. Price,₩
SL.Ada409	for Φ10mm Rod, 24/40	46,750
SL.Ada411	, 34/45	51,000

(3) for Φ12 & 14mm Stir-Shafts

		Ea. Price, ₩
SL.Ada413	PTFE Stir-Guide, for Φ12mm Rod, 34/45	51,000
SL.Ada415	, for Φ14mm Rod, 34/45	51,000



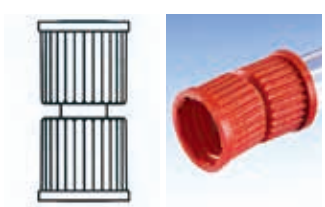
SciLab® Thermometer Holder, PTFE, with id Φ6 / 7mm
With Internal External Viton O-Ring, −200℃+260℃ Stable, PTFE, Teflon 온도계 홀더

■ ***Made in Korea*** ■ ***Common-use : to ASTM & DIN-type Socket Joints***

〈L1〉

		Ea. Price, ₩
SL.Ada402	Thermometer Holder, PTFE, for Φ6 / 7mm, ASTM-24/40	17,430
SL.Ada403	, DIN-14/23	12,750

DURAN® GL14~32 Screw Thread Coupling, with Double-ended Red PBT Screwcaps & Integral Silicone(VMQ) Seal
Ideal for Safety Flexible Connection, DIN/ISO, Up to 180℃, <Germany-Made> GL 안전(유연성) 스크류 연결 어댑터



∗ Safely Joins Two Exterior Threaded Glass Components without Hooks, Springs or Clamps
∗ Connection can be Used under Moderate Pressure to Generate a Gas or Deliver a Reagent under an Inert Atmosphere
∗ Easy to Assemble, Grease-free, Vacuum-tight Seal

〈L6〉

		Ea. Price, ₩
SM.2922605	Connect, Screw, GL14 / GL14	32,000
SM.2922606	, GL18 / GL18	37,120
SM.2922609	, GL25 / GL25	45,400
SM.2922608	, GL32 / GL32	55,720



(1) With 2-Paralled Necks



(2) With 45°-Angle 2-Necks

Multi-Adapter, with ASTM & DIN Joints, 멀티어댑터

■ ***Supplied by SciLab Korea***
■ ***Custom-Made Available / 규격외 Items 자유롭게 주문하세요!***

(1) With 2-Paralled Necks

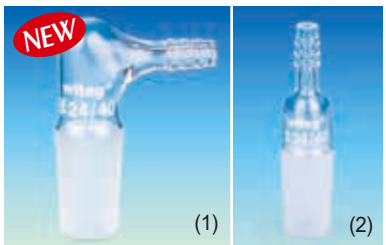
〈L1〉

		Ea. Price,₩
SL.Ada2126	DIN-14/23	20,670
SL.Ada2131	-24/29	27,370
SL.Ada2128	ASTM-24/40	34,270

(2) With 45°-Angle 2-Necks

		Ea. Price,₩
SL.Ada2134	DIN-14/23	21,320
SL.Ada2138	-24/29	37,520
SL.Ada2136	ASTM-24/40	37,870

Articles	Cat. No	Description



ASTM & DIN Cone Joint Adapter, with Hose Connection, 호스 연결 어댑터

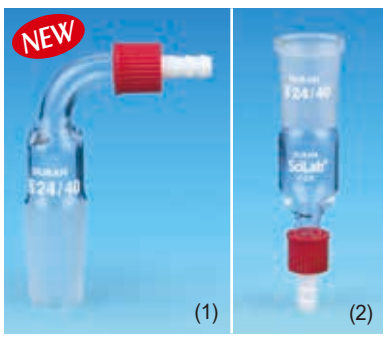
■ *Supplied by SciLab Korea* ■ *Custom-Made Available / 규격외 Items 자유롭게 주문하세요!*

(1) 90° Connection

		〈L1〉 Ea.	Price,₩
SL.Ada2071	DIN-14/23		10,900
SL.Ada2072	-24/29		11,170
SL.Ada2073	ASTM-24/40		13,800

(2) Straight Connection

		Ea.	Price,₩
SL.Ada2080	DIN-14/23		10,990
SL.Ada2086	-24/29		11,820
SL.Ada2082	ASTM-24/40		11,820



ASTM & DIN Joint Adapter, with Safety Detachable GL14 PP Screw Connector Kit With Hose Connecting PP Tube od Φ8mm, 140℃, 안전 스크류 커넥션 어댑터, Hose 연결용

■ *Supplied by SciLab Korea* ■ *Custom-Made Available / 규격외 Items 자유롭게 주문하세요!*

(1) With Cone, Bent NEW

		〈L1〉 Ea.	Price,₩
SL.Ada2060	DIN-14/23		9,470
SL.Ada2894	-24/29		12,370
SL.Ada2062	ASTM-24/40		17,220

(2) With Socket, Straight

		Ea.	Price,₩
SL.Ada2065	DIN-14/23		14,570
SL.Ada2069	-24/29		17,150
SL.Ada2067	ASTM-24/40		15,940

(3) Spare, Safety GL14 PP Screw Connector Kit No : SL.Con3031

		Ea.	Price,₩
			1,530



PTFE-plug Stopcock Adapter, with ASTM & DIN Joint and Glass Cone, 테프론 스탑콕형 어댑터

■ *Supplied by SciLab Korea*
■ *Custom-Made Available / 규격외 Items 자유롭게 주문하세요!*
∗ Made of Boro-glass 3.3

		〈L1〉 Ea.	Price,₩
SL.Ada2601	Adapter, PTFE stopcock, bore Φ3mm, DIN-14/23		29,720
SL.Ada2607	-24/29		33,490
SL.Ada2603	, ASTM-24/40		33,430



Premium Intermediate Stopcock Adapter, with Glass Plug and Cone & Socket ASTM & DIN Joint, with Lower Cone and Upper Socket, 콕부 상하 조인트 어댑터

■ *Supplied by SciLab Korea*
■ *Custom-Made Available / 규격외 Items 자유롭게 주문하세요!*
∗ Made of Boro-glass 3.3 & DURAN Glass Stopcock

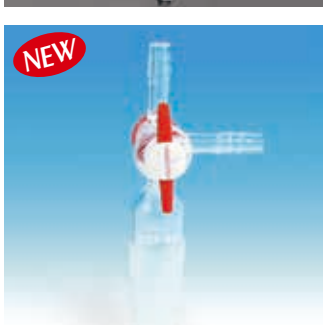
		〈L1〉 Ea.	Price,₩
SL.Ada2121	Adapter, Intermediate Stopcock, DIN-14/23, Cone & Socket		49,790
SL.Ada2122	, ASTM-24/40, Cone & Socket		50,280



Stopcocked Socket Adapter, with ASTM & DIN Joints, Glass Plug Bore Φ2.5mm With Connection Stem Φ8/9mm, 소켓형 유리 스탑콕 어댑터

■ *Supplied by SciLab Korea*
■ *Custom-Made Available / 규격외 Items 자유롭게 주문하세요!*
∗ Made of Boro-glass 3.3

		〈L1〉 Ea.	Price,₩
SL.Ada2610	Adapter, Stopcocked Socket, DIN-14/23 *New*		15,140
SL.Ada2612	-24/29 *New*		16,330
SL.Ada2611	, ASTM-24/40		20,180



(2) With PTFE-plug

3-Way Stopcock Adapter, with ASTM & DIN Joints, Boro Glass 3.3, 3방 콕 어댑터

■ *Supplied by SciLab Korea* ■ *Custom-Made Available / 규격외 Items 자유롭게 주문하세요!*

(1) Premium With DURAN® Glass-plug Stopcock, bore Φ2.5mm & Arm Φ10mm

		〈L1〉 Ea.	Price,₩
SL.Ada2110	Adapter, 3-Way Stopcock, Glass-plug, DIN-14/23		92,850
SL.Ada2114	-24/29		94,050
SL.Ada2112	, ASTM-24/40		93,840

(2) With PTFE-Plug Stopcock, bore Φ2.5mm & Arm Φ10mm

		Ea.	Price,₩
SL.Ada2115	Adapter, 3-Way Stopcock, PTFE-plug, DIN-14/23		79,440
SL.Ada2119	-24/29		82,740
SL.Ada2117	, ASTM-24/40		80,400

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description


(1)


(2)

Premium High Vacuum Adapter, with ASTM & DIN Joints and PTFE Needle Valve Stopcock
With DURAN® & PYREX® Stopcock, −40℃+200℃, 진공/고진공 PTFE 밸브 어댑터

∗ DURAN® 10^{-6} mbar PTFE Needle Valve No. SM.28605850
∗ PYREX® 10^{-9} Torr PTFE Needle Valve No. Pyg.HP3RA.7

〈L1〉

(1) 10^{-6} mbar High Vacuum Adapter, DURAN® Value Stopcock, bore Φ3mm & Arm Φ9mm

		Ea. Price,₩
SL.Ada2101	Adapter, Joints Vacuum, DIN-14/23	59,850
SL.Ada2106	-24/29	61,050
SL.Ada2103	, ASTM-24/40	60,840

(2) 10^{-9} Torr High Vacuum Adapter, PYREX® Value Stopcock, bore Φ3mm & Arm Φ10mm

		Ea. Price,₩
SL.Ada2101H	Adapter, High Vacuum, DIN-14/23	91,750
SL.Ada2106H	-24/29	90,750
SL.Ada2103H	, ASTM-24/40	90,540



Vacuum Tube Adapter, with Side Stem Stopcock for Low~Middle Vacuum, 스탑콕 시험관

∗ With Stopcock of Glass-plug or PTFE-plug Bore 2.5mm. ∗ Made of Boro-glass 3.3 ; by SciLab®

〈L1〉

(1) With Glass-plug Stopcock

		Ea. Price, ₩
SL.Tub2110	Vacuum Tube Adapter, Glass-plug, 14/23, 10㎖ , Φ17×h100	42,750
SL.Tub2112	, 24/40, 50㎖ , Φ26×h160	46,170
SL.Tub2114	, 100㎖, Φ34×h160	47,780

(2) With PTFE-plug Stopcock

		Ea. Price, ₩
SL.Tub2110P	Vacuum Tube Adapter, PTFE-plug, 14/23, 10㎖ , Φ17×h100	48,250
SL.Tub2112P	, 24/40, 50㎖ , Φ26×h160	51,670
SL.Tub2114P	, 100㎖, Φ34×h160	53,280


(1) (2)

Vacuum Trap/Adapter, with/without ASTM & DIN Joints, 진공트랩

■ ***Supplied by SciLab Korea*** ■ ***Custom-Made Available / 규격외 Items 자유롭게 주문하세요!***
∗ Hose Connection Tube : Serrated od Φ8mm

〈L1〉

(1) One-Piece Type

		Ea. Price, ₩
SL.Ada2391	Vacuum Trap, Φ30×h200mm	26,920
SL.Ada2392	, Φ40×h250mm	35,120
SL.Ada2393	, Φ50×h250mm	45,240
SL.Ada2394	, Φ60×h280mm	47,900

(2) Two-Piece Type with Joint

		Ea. Price, ₩
SL.Ada2396	Vacuum Trap, 24/40, Φ30×h200mm	41,530
SL.Ada2397	, 34/35, Φ40×h250mm	55,380
SL.Ada2398	, 45/40, Φ50×h250mm	71,170
SL.Ada2399	, 55/44, Φ60×h280mm	84,590

, *Vacuum Manifolds 어댑터*


(1) Single-Line, with Glass Stopcock


(2) Double-Line, with 2 Bore Stopcock

SciLab® Premium Vacuum Manifold, DURAN Glass Stopcock, 3~5 Places
Single- or Double-Line, 유리콕형 진공매니폴드

■ ***Supplied by SciLab Korea*** ■ ***Made of DURAN® Glass Stopcock & Borosilicate Glass 3.3***
∗ Stopcock Pass Bore : up to 2.5 & 4 mm ∗ Hose Connection Tube : od Φ10mm Olive-Type

〈L1〉

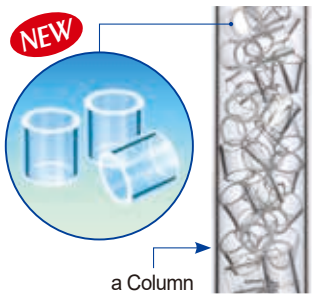
(1) Single-Line, with Glass Stopcock (SM.28640480), 3~5 Places

		Ea. Price, ₩
SL.Man2020	Vacu. Manifold, Single, Gl-Stopcock, 1-way, 3×Places	210,250
SL.Man2021	, 4×Places	248,750
SL.Man2022	, 5×Places	294,320

(2) Double-Line, with 2 Bore Stopcock (SM.28642500), 3~5 Places

		Ea. Price, ₩
SL.Man2024	Vacu. Manifold, Double, Gl-Stopcock, 2-way, 3×Places	486,530
SL.Man2025	, 4×Places	625,100
SL.Man2026	, 5×Places	783,320

Articles	Cat. No	Description



SciLab® Column Packing Glass Rings, "Raschig Rings", Φ7×L7~Φ11×L11mm

Made of Boro Glass 3.3 for Contamination-free, 250g in a PET Bottles, **칼럼충진용 글라스링**

- ***Supplied by SciLab Korea***
- ***Ideal For Column Filler(Packing) or For Boiling Efficiency.***

∗ Manufactured from Boro Glass 3.3 for Contamination-Free Performance
∗ 250g Packed in a PET Bottles.



〈L1〉

Cat. No	Description	Pk.	Price,₩
SL.Gla2069	Raschig Rings, Boro Glass 3.3 Tube, 250g /a PET Bottle, Φ7×L7mm	250g	118,920
SL.Gla2070	, Φ9×L9mm	250g	120,310
SL.Gla2072	, Φ11×L11mm	250g	123,750

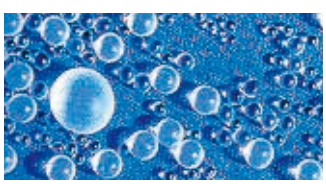
SiLiBeads® M-type Glass Bead, Art.5000 Soda Glass Solids, PbO-Free!, Φ1.5~18 mm

Use ; "Mixing Beads in Aerosol Spray·Boiling Stones·Filler of Distillation Column or Distillation Tower·Grinding Ball·Valve Ball·Surface Treatment Agent, etc"

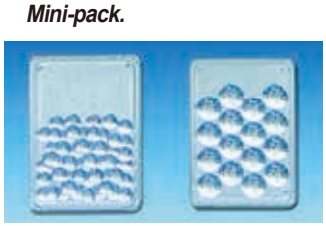
<Germany-Made> **글라스 비드, "믹싱 비드·비등석·증류 칼럼/탑 충진제·연마용볼·볼밸브·표면처리제, etc."**



500g in Bottle



※ ***Note! Below picture is a Part of Sample Beads inside Mini-pack.***

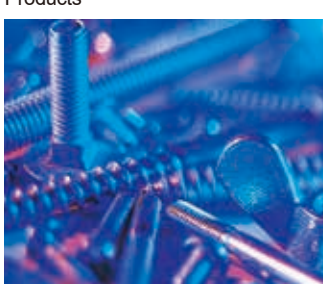


Art. 5003 Φ3.0mm | Art. 5011 Φ5.0mm

※ ***Example of M-type Beads Application.***



Example : Grinding of Cosmetic Products



Example : "Metal Surface Finishing" <Mechanical Plating>

- ***Mixing Beads in Aerosol Spray.***
- ***Boiling Stones.***
- ***Packing/Fillers for Distillation Columns/Towers.***
- ***Impact Material for Mechanical Surface Coating (Mechanical Plating).***
- ***Valves of the Bottle Closures.***
- ***Grinding and Dispersion Media for Pharmaceutical and Cosmetic Preparations.***
- ***Example of Using:***

∗ for Boiling stone.
∗ High Purity Pigments, Dyestuff, for Argo-chemicals, Grinding & Dispersing media.
∗ As valves for bottle closures and for the mechanical coating of small metallic pieces, through a special plating process (mechanical plating).
∗ Filler of Distillation Column or Distillation Tower
∗ Aerosol Spray of Stirring & Mixing Beads (10 ~ 16 mm)
∗ Strict Quality Control : Can be used at Medicine & Cosmetics Process.



<Example> "Mixing Beads of Aerosol Spray"

Features

∗ M-type Glass Beads are Produced through a Pressing Process
∗ Low Proportion of Air-bubbles
∗ Accuracy ±0.2 ~ ±0.3 mm (Φ2 ~Φ7 mm Beads)
∗ Good Roundness & Smooth and Shiny Surface
∗ High Degree of Purity

Ordering

〈L1〉

Cat No.	Dia. Size Φ(mm)	Accuracy Φ(mm)	Bulk Density (kg / Lit)	Amount of Beads, Pcs/Kg	Price / ₩	
					500g/Bottle	20kg/Cs.
SI.5002	1.5 mm	±0.2 mm	1.50	226,300 pcs/kg	11,730	360,130
SI.5003	2.0 mm	±0.2 mm	1.50	95,500 pcs/kg	11,730	360,130
SI.5004*	2.5 mm	±0.2 mm	1.50	48,900 pcs/kg	11,730	360,130
SI.5005	3.0 mm	±0.3 mm	1.50	28,300 pcs/kg	11,730	360,130
SI.5006*	3.5 mm	±0.3 mm	1.50	17,800 pcs/kg	11,730	360,130
SI.5009	4.0 mm	±0.3 mm	1.50	11,900 pcs/kg	13,530	415,530
SI.5010	4.5 mm	±0.3 mm	1.50	8,380 pcs/kg	13,530	415,530
SI.5011	5.0 mm	±0.3 mm	1.50	6,100 pcs/kg	13,530	415,530
SI.5012	6.0 mm	±0.3 mm	1.48	3,540 pcs/kg	13,530	415,530
SI.5013	7.0 mm	±0.3 mm	1.48	2,230 pcs/kg	13,530	415,530
SI.5014	8.0 mm	±0.4 mm	1.48	1,490 pcs/kg	13,530	415,530
SI.5016	10.0 mm	±0.5 mm	1.45	760 pcs/kg	8,320	255,390
SI.5017	11.0 mm	±0.5 mm	1.45	570 pcs/kg	8,320	255,390
SI.5018	12.0 mm	±0.5 mm	1.43	440 pcs/kg	8,320	255,390
SI.5021	14.0 mm	±0.5 mm	1.43	275 pcs/kg	8,320	255,390
SI.5023	16.0 mm	±0.5 mm	1.43	185 pcs/kg	8,320	255,390
SI.5025*	18.0 mm	±0.5 mm	1.43	130 pcs/kg	11,090	340,100

*-mark Special sizes upon request. All data are reference values.

Technical Data

Types / Spec.	Specific weight	Youngs-module	Hardness Mohs	Coefficient of Expansion α	Transformation temp. ℃
Soda lime glass Art. 5000	2.50 kg / Lit	65 GPa	6	8.6 × 10^{-6} K^{-1}	515℃
Borosilicate glass Art. 5000/89	2.23 kg / Lit	64 GPa	7	3.25 × 10^{-6} K^{-1}	530℃

※ **Note! Always Can be Supplied Borosilicate Glass Beads**

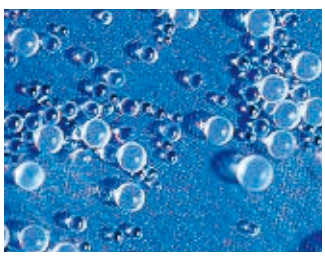
※ The Price(VAT is extra) for Korean End-user, and Changeable.

SiLiBeads® S-type Soda Glass Bead, Mixed-sizes, PbO-Free!, Solid, from Φ0.00~0.05 mm to Φ3.8~4.3 mm

For Road Marking Reflection Beads/Dispersing-Media for all Pearl Mills/Beads for the Surface Coating, etc, <Germany-Made> Size 혼합형 글라스 비드



500g in Bottle



※Note! Below Pictures, Part of Beads Sample in Clear Mini-pack



Art. 5210 Φ0~50㎛ | Art. 5214 Φ100~200㎛



Art. 4506 Φ1.55~1.85mm | Art. 4511 Φ2.85~3.30mm

※Note! Below Pictures, Example of Using S-type Beads



Pearl Mill Grinding Beads



Reflection Beads for Road Painting (in diameters > 0.6 mm)

Main Applications



- ***Grinding & Dispersing-Media for all Pearl Mills***
  : Wet grinding of Lacks, Pigments, Dyestuff, Ink, Agrochemicals & Minerals.
- ***Fillers / Packing for Chemical Plants***
- ***Micro Glass Beads for the Surface Coating of Metal / Plastic / Ceramic / Wood***
- ***Can be used for Road-marking Paints (below 0.6mm)***
- ***Filling Material for the Modification of the Physical Properties: Thermo-Plast and Duro-Plast.***
- ***Polishing Agent for Optical and interocular Lenses.***

Features

* Thermal Rounding Process : PbO-free Solid Glass Beads
* Homogeneous and Smooth Surface
* Small Proportion of Air-bubbles
* High Roundness and Elasticity
* Wide Assortment of Sizes, Narrow Size-ranges
* Free from Foreign Particles, Glass Fragments and Other Impurities.
* Low Risk of Bead Breakage
* Specific Weight 2.5 kg/Lit * Hardness Mohs ≥6. * Roundness (ratio of axis)≧95%

Ordering

<L1>

Cat No.	Mixed Range Φ mm	Bulk Density (Kg / Lit)	Amount of Beads, Pcs/Kg	Price / ₩		
				500g/Bot.	Cs.	
SI.5210	**0.00 - 0.05** mm	1.53	-	3,300	25kg	124,730
SI.5211	**0.04 - 0.07** mm	1.53	-	3,300	25kg	124,730
SI.5212	**0.07 - 0.11** mm	1.53	-	3,300	25kg	124,730
SI.5213	**0.09 - 0.15** mm	1.52	-	3,300	25kg	124,730
SI.5214	**0.10 - 0.20** mm	1.52	-	3,300	25kg	124,730
SI.5215	**0.15 - 0.25** mm	1.52	-	3,300	25kg	124,730
SI.5216	**0.20 - 0.30** mm	1.51	-	3,300	25kg	124,730
SI.5223	**0.30 - 0.40** mm	1.51	-	3,300	25kg	124,730
SI.5218	**0.40 - 0.60** mm	1.50	-	3,300	25kg	124,730
SI.5219	**0.40 - 0.80** mm	1.49	-	3,300	25kg	124,730
SI.4501	**0.25 - 0.50** mm	1.51	14,486,600pcs/kg	7,100	20kg	217,700
SI.45015	**0.40 - 0.60** mm	1.50	6,111,500pcs/kg	7,100	20kg	217,700
SI.4502	**0.50 - 0.75** mm	1.49	3,129,100pcs/kg	7,100	20kg	217,700
SI.4503	**0.75 - 1.00** mm	1.48	1,140,300pcs/kg	7,100	20kg	217,700
SI.4504	**1.00 - 1.25** mm	1.47	536,500pcs/kg	7,100	20kg	217,700
SI.4505	**1.25 - 1.55** mm	1.47	264,000pcs/kg	7,100	20kg	217,700
SI.4506	**1.55 - 1.85** mm	1.47	155,500pcs/kg	7,100	20kg	217,700
SI.4507	**1.70 - 2.00** mm	1.47	126,600pcs/kg	7,100	20kg	217,700
SI.4508	**2.00 - 2.30** mm	1.47	76,860pcs/kg	7,100	20kg	217,700
SI.4510	**2.50 - 2.85** mm	1.47	39,910pcs/kg	7,100	20kg	217,700
SI.4511	**2.85 - 3.30** mm	1.46	26,270pcs/kg	7,100	20kg	217,700
SI.4512	**3.30 - 3.80** mm	1.46	17,070pcs/kg	7,100	20kg	217,700
SI.4513	**3.80 - 4.30** mm	1.46	11,500pcs/kg	7,100	20kg	217,700

Chemical Composition of PbO-free SiLibeads®

Types \ Material	SiO_2	Na_2O	K_2O	CaO	MgO	Al_2O_3	B_2O_3	Fe_2O_3	ZnO	BaO	PbO
Type S	72%	13.8%	0.1%	9.0%	4.0%	1.0%	-	0.1%	-	-	"Free" < 0.01%
Type SL	57%	0.2%	0.6%	18.0%	3.0%	14.0%	7.0%	< 0.3%	-	-	"Free" < 0.01%
Type M	66%	16%	0.01%	7.0%	2.0%	5.0%	3.0%	-	1.0%	-	"Free" < 0.01%
Type P Soda.	70.5%	9.0%	8.0%	4.0%	1.5%	1.5%	1.5%	1.0%	3.0%	-	"Free" < 0.01%
Boro.	81.0%	2.1%	0.7%	0.1%	<0.01%	2.0%	14.0%	-	0.01%	0.05%	"Free" < 0.01%

Technical Data

Types \ Spec.	Specific weight	Youngs-module	Hardness Mohs	Coefficient of Expansion α	Transformation temp. ℃
Soda lime glass Art. 5000	2.50 kg / Lit	65 GPa	6	8.6 × 10^{-6} K^{-1}	515℃
Borosilicate glass Art. 5000/89	2.23 kg / Lit	64 GPa	7	3.25 × 10^{-6} K^{-1}	530℃

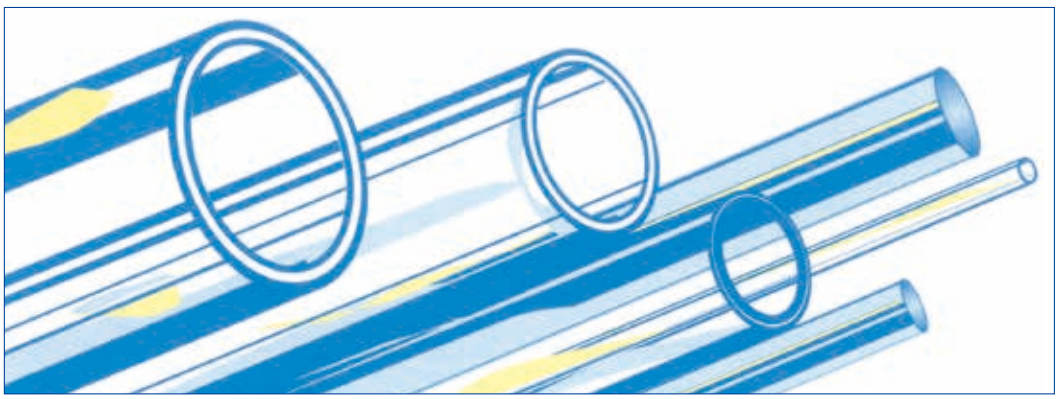
※ **Note! Always Can be Supplied Borosilicate Glass Beads**

Articles | Cat. No | Description

SCHOTT® Premium DURAN® Glass Tubing

Made of Borosilicate α 3.3, Length 1500 mm, ISO/DIN, <Germany-Made> 특급 정밀 유리관

* ISO / DIN
* Acid / Hydrolytic Glass 1
* Borosilicate Glass, α 3.3 × 10^{-6} K^{-1}
* The High Quality & Specification
* Laboratory & Industry use
* Density : 2.23 g/cm^3
* Working Temperature : 500℃
* Great in preciseness / usability uniformity



Tubing / Length 1500mm

<L6>

Cat No.	od mm	Thick. mm	Carton Ea.	Ea. Price (₩)	Cs. Price(₩)
SR.004/0.8T	4	0.8	555	650	555ea 356,740
SR.005/0.8T	5	0.8	343	840	343ea 285,390
SR.006/1.0T	6	1.0	245	890	245ea 217,730
SR.006/1.5T	6	1.5	211	1,200	211ea 251,220
SR.007/1.0T	7	1.0	190	1,060	190ea 200,980
SR.007/1.5T	7	1.5	172	1,470	172ea 251,220
SR.008/1.0T	8	1.0	149	1,240	149ea 184,230
SR.008/1.5T	8	1.5	147	1,710	147ea 251,220
SR.009/1.0T	9	1.0	119	1,460	119ea 172,940
SR.009/1.5T	9	1.5	119	1,940	119ea 230,620
SR.010/1.0T	10	1.0	95	1,340	95ea 126,380
SR.010/1.5T	10	1.5	90	1,880	90ea 168,500
SR.010/2.2T	10	2.2	56	2,510	56ea 140,430
SR.011/1.0T	11	1.0	86	1,470	86ea 126,380
SR.011/1.5T	11	1.5	73	2,120	73ea 154,450
SR.011/2.2T	11	2.2	42	2,850	42ea 119,380
SR.012/1.0T	12	1.0	130	1,630	130ea 210,620
SR.012/1.5T	12	1.5	67	2,310	67ea 154,450
SR.012/2.2T	12	2.2	42	3,180	42ea 133,400
SR.013/1.0T	13	1.0	119	1,770	119ea 210,620
SR.013/1.5T	13	1.5	55	2,560	55ea 140,430
SR.013/2.2T	13	2.2	36	3,520	36ea 126,380
SR.014/1.0T	14	1.0	110	1,920	110ea 210,620
SR.014/1.5T	14	1.5	46	2,750	46ea 126,380
SR.014/2.2T	14	2.2	30	3,840	30ea 115,150
SR.015/1.2T	15	1.2	86	2,450	86ea 210,620
SR.015/1.8T	15	1.8	56	3,520	56ea 196,580
SR.015/2.5T	15	2.5	25	4,610	25ea 115,150
SR.016/1.2T	16	1.2	81	2,610	81ea 210,620
SR.016/1.8T	16	1.8	49	3,760	49ea 183,970
SR.016/2.5T	16	2.5	25	4,950	25ea 123,590
SR.017/1.2T	17	1.2	75	2,810	75ea 210,620
SR.017/1.8T	17	1.8	49	4,020	49ea 196,580
SR.017/2.5T	17	2.5	25	5,340	25ea 133,400
SR.018/1.2T	18	1.2	66	2,980	66ea 196,580
SR.018/1.8T	18	1.8	49	4,300	49ea 210,620
SR.018/2.5T	18	2.5	20	5,690	20ea 113,770
SR.019/1.2T	19	1.2	63	3,130	63ea 196,580
SR.019/1.8T	19	1.8	42	4,590	42ea 192,390
SR.019/2.5T	19	2.5	36	6,090	36ea 219,050
SR.020/1.2T	20	1.2	55	3,320	55ea 182,540
SR.020/1.8T	20	1.8	36	4,840	36ea 174,140
SR.020/2.5T	20	2.5	20	6,460	20ea 129,200
SR.022/1.2T	22	1.2	42	3,680	42ea 154,450
SR.022/1.8T	22	1.8	30	5,390	30ea 161,490
SR.022/2.5T	22	2.5	30	7,210	30ea 216,250
SR.024/1.2T	24	1.2	36	4,020	36ea 144,630
SR.024/1.8T	24	1.8	25	5,900	25ea 147,450
SR.024/2.5T	24	2.5	25	7,870	25ea 196,580
SR.026/1.4T	26	1.4	30	5,110	30ea 153,050
SR.026/2.0T	26	2.0	25	7,080	25ea 176,930
SR.026/2.8T	26	2.8	20	9,550	20ea 190,980
SR.028/1.4T	28	1.4	25	5,510	25ea 137,630
SR.028/2.0T	28	2.0	20	7,730	20ea 154,450
SR.028/2.8T	28	2.8	20	10,400	20ea 207,830
SR.030/1.4T	30	1.4	36	6,780	36ea 244,000
SR.030/2.0T	30	2.0	16	8,260	16ea 132,020
SR.030/2.8T	30	2.8	16	12,850	16ea 205,500
SR.032/1.4T	32	1.4	25	7,360	25ea 183,900
SR.032/2.0T	32	2.0	16	10,280	16ea 164,400
SR.032/2.8T	32	2.8	16	14,040	16ea 224,590
SR.034/1.4T	34	1.4	25	7,880	25ea 196,940
SR.034/2.0T	34	2.0	16	10,990	16ea 175,790
SR.034/2.8T	34	2.8	16	15,060	16ea 240,880
SR.036/1.4T	36	1.4	25	8,210	25ea 205,050
SR.036/2.0T	36	2.0	25	11,720	25ea 292,930
SR.036/2.8T	36	2.8	12	15,870	12ea 190,430
SR.038/1.4T	38	1.4	20	8,790	20ea 175,790
SR.038/2.0T	38	2.0	20	12,210	20ea 244,120
SR.038/2.8T	38	2.8	9	17,000	9ea 153,000
SR.040/1.6T	40	1.6	16	10,380	16ea 166,020
SR.040/2.3T	40	2.3	16	14,860	16ea 237,620
SR.040/3.2T	40	3.2	9	20,260	9ea 182,290
SR.042/1.6T	42	1.6	16	11,090	16ea 177,400
SR.042/2.3T	42	2.3	16	15,570	16ea 248,990
SR.042/3.2T	42	3.2	9	21,160	9ea 190,430
SR.044/1.6T	44	1.6	16	11,600	16ea 185,550
SR.044/2.3T	44	2.3	16	16,280	16ea 260,390
SR.044/3.2T	44	3.2	9	22,430	9ea 201,830

<Continued On Next Page>

※ The Price(VAT is extra) for Korean End-user, and Changeable.

<Continued From... SCHOTT® Premium DURAN® Glass Tubing>

Tubing / Length 1500mm

〈L6〉

Cat No.	od mm	Thick. mm	Carton Ea.	Ea. Price (₩)	Cs. Price(₩)
SR.046/1.6T	46	1.6	16	12,110	16ea 193,680
SR.046/2.3T	46	2.3	9	17,190	9ea 154,630
SR.046/3.2T	46	3.2	9	23,510	9ea 211,570
SR.048/1.6T	48	1.6	16	12,620	16ea 201,830
SR.048/2.3T	48	2.3	16	17,910	16ea 286,420
SR.048/3.2T	48	3.2	6	24,420	6ea 146,480
SR.050/1.8T	50	1.8	12	17,140	12ea 205,600
SR.050/2.5T	50	2.5	12	20,350	12ea 244,120
SR.050/3.5T	50	3.5	12	27,810	12ea 333,640
SR.050/5.0T	50	5.0	6	44,330	6ea 265,950
SR.052/1.8T	52	1.8	9	18,070	9ea 162,550
SR.052/2.5T	52	2.5	9	24,860	9ea 223,740
SR.052/3.5T	52	3.5	9	34,000	9ea 305,940
SR.054/1.8T	54	1.8	9	18,920	9ea 170,200
SR.054/2.5T	54	2.5	9	25,920	9ea 233,280
SR.054/3.5T	54	3.5	9	35,490	9ea 319,340
SR.056/1.8T	56	1.8	9	19,550	9ea 175,930
SR.056/2.5T	56	2.5	9	26,770	9ea 240,930
SR.056/3.5T	56	3.5	9	37,190	9ea 334,630
SR.058/1.8T	58	1.8	9	20,400	9ea 183,580
SR.058/2.5T	58	2.5	9	27,840	9ea 250,490
SR.058/3.5T	58	3.5	9	38,250	9ea 344,190
SR.060/2.2T	60	2.2	9	25,500	9ea 229,450
SR.060/3.2T	60	3.2	9	36,550	9ea 328,890
SR.060/4.2T	60	4.2	4	46,850	4ea 187,400
SR.060/5.0T	60	5.0	4	54,980	4ea 219,920
SR.065/2.2T	65	2.2	8	27,970	8ea 223,740
SR.065/3.2T	65	3.2	4	39,690	4ea 158,730
SR.065/4.2T	65	4.2	4	51,160	4ea 204,630
SR.065/5.0T	65	5.0	4	60,240	4ea 240,930
SR.070/2.2T	70	2.2	8	29,880	8ea 239,040
SR.070/3.2T	70	3.2	4	43,030	4ea 172,100
SR.070/4.2T	70	4.2	4	55,450	4ea 221,800
SR.070/5.0T	70	5.0	4	65,020	4ea 260,050
SR.075/2.2T	75	2.2	8	32,270	8ea 258,140
SR.075/3.2T	75	3.2	4	46,380	4ea 185,500
SR.075/4.2T	75	4.2	4	59,760	4ea 239,040
SR.075/5.0T	75	5.0	4	70,280	4ea 281,090
SR.080/2.5T	80	2.5	4	39,200	4ea 156,800
SR.080/3.5T	80	3.5	4	54,030	4ea 216,090
SR.080/5.0T	80	5.0	4	75,530	4ea 302,120
SR.085/2.5T	85	2.5	4	41,600	4ea 166,380
SR.085/3.5T	85	3.5	4	57,370	4ea 229,450
SR.085/5.0T	85	5.0	4	80,310	4ea 321,240
SR.090/2.5T	90	2.5	4	43,990	4ea 175,930
SR.090/3.5T	90	3.5	4	60,720	4ea 242,850
SR.090/5.0T	90	5.0	4	85,570	4ea 342,280
SR.095/2.5T	95	2.5	4	46,380	4ea 185,500
SR.095/3.5T	95	3.5	4	64,060	4ea 256,230
SR.095/5.0T	95	5.0	4	90,350	4ea 361,400
SR.100/2.5T	100	2.5	4	49,250	4ea 196,980
SR.100/3.0T	100	3.0	4	57,850	4ea 231,390
SR.100/3.5T	100	3.5	3	68,210	3ea 204,630
SR.100/5.0T	100	5.0	3	95,610	3ea 286,820
SR.105/3.0T	105	3.5	3	69,600	3ea 208,780
SR.105/5.0T	105	5.0	3	114,530	3ea 343,590
SR.110/3.0T	110	3.0	3	73,210	3ea 219,630
SR.110/5.0T	110	5.0	3	119,610	3ea 358,820
SR.110/7.0T	110	7.0	3	164,550	3ea 493,630

Cat No.	od mm	Thick. mm	Carton Ea.	Ea. Price (₩)	Cs. Price(₩)
SR.115/3.0T	115	3.0	4	76,660	4ea 306,620
SR.115/5.0T	115	5.0	2	126,130	2ea 252,250
SR.120/3.0T	120	3.0	4	79,920	4ea 319,680
SR.120/5.0T	120	5.0	2	131,570	2ea 263,130
SR.120/7.0T	120	7.0	2	180,500	2ea 360,990
SR.125/5.0T	125	5.0	2	137,000	2ea 274,000
SR.130/3.0T	130	3.0	4	86,980	4ea 347,920
SR.130/5.0T	130	5.0	2	142,440	2ea 284,870
SR.130/7.0T	130	7.0	2	196,790	2ea 393,580
SR.135/5.0T	135	5.0	2	148,970	2ea 297,930
SR.140/3.0T	140	3.0	4	94,050	4ea 376,190
SR.140/5.0T	140	5.0	2	154,400	2ea 308,790
SR.140/7.0T	140	7.0	2	213,110	2ea 426,220
SR.150/3.0T	150	3.0	2	101,130	2ea 202,250
SR.150/3.5T*	150	3.5	2	197,000	2ea 393,990
SR.150/5.0T	150	5.0	2	274,890	2ea 549,780
SR.150/7.0T	150	7.0	2	293,800	2ea 587,590
SR.160/3.5T*	160	3.5	2	224,250	2ea 448,490
SR.160/5.0T	160	5.0	2	292,340	2ea 584,670
SR.160/7.0T	160	7.0	2	403,540	2ea 807,070
SR.165/5.0T	165	5.0	2	301,300	2ea 602,590
SR.165/7.0T	165	7.0	2	416,070	2ea 832,140
SR.170/3.5T*	170	3.5	2	259,720	2ea 519,440
SR.170/5.0T	170	5.0	2	310,270	2ea 620,540
SR.170/7.0T	170	7.0	2	430,420	2ea 860,840
SR.180/3.5T	180	3.5	1		1ea 257,650
SR.180/5.0T	180	5.0	1		1ea 329,990
SR.180/7.0T	180	7.0	1		1ea 455,540
SR.190/4.0T*	190	4.0	1		1ea 334,950
SR.190/5.0T	190	5.0	1		1ea 347,950
SR.190/7.0T	190	7.0	1		1ea 484,240
SR.200/5.0T	200	5.0	1		1ea 365,870
SR.200/7.0T	200	7.0	1		1ea 591,580
SR.210/5.0T*	210	5.0	1		1ea 493,200
SR.215/5.0T	215	5.0	1		1ea 501,100
SR.215/7.0T	215	7.0	1		1ea 696,990
SR.215/9.0T	215	9.0	1		1ea 888,330
SR.225/7.0T	225	7.0	1		1ea 728,870
SR.225/9.0T	225	9.0	1		1ea 929,300
SR.240/9.0T	240	9.0	1		1ea 993,100
SR.250/5.0T	250	5.0	1		1ea 732,080
SR.250/7.0T	250	7.0	1		1ea 1,015,800
SR.250/9.0T	250	9.0	1		1ea 1,293,870
SR.270/5.0T	270	5.0	1		1ea 837,000
SR.270/7.0T	270	7.0	1		1ea 1,162,170
SR.270/9.0T	270	9.0	1		1ea 1,372,890
SR.300/5.0T	300	5.0	1		1ea 933,350
SR.300/7.0T	300	7.0	1		1ea 1,294,630
SR.300/9.0T	300	9.0	1		1ea 1,655,930
SR.315/7.0T	315	7.0	1		1ea 1,402,630
SR.315/9.0T	315	9.0	1		1ea 1,793,630
SR.325/9.0T	325	9.0	1		1ea 1,855,690
SR.325/10.0T	325	10.0	1		1ea 2,048,070
SR.350/5.0T	350	5.0	1		1ea 1,108,150
SR.365/7.0T	365	7.0	1		1ea 1,790,200
SR.400/6.0T	400	6.0	1		1ea 1,861,090
SR.415/7.0T	415	7.0	1		1ea 2,502,200
SR.420/10.0T	420	10.0	1		1ea 3,594,850

*- Special size : Min. order Q'ty is 500kg

Articles | Cat. No | Description

SCHOTT® Premium High-Precision DURAN® Glass Capillary

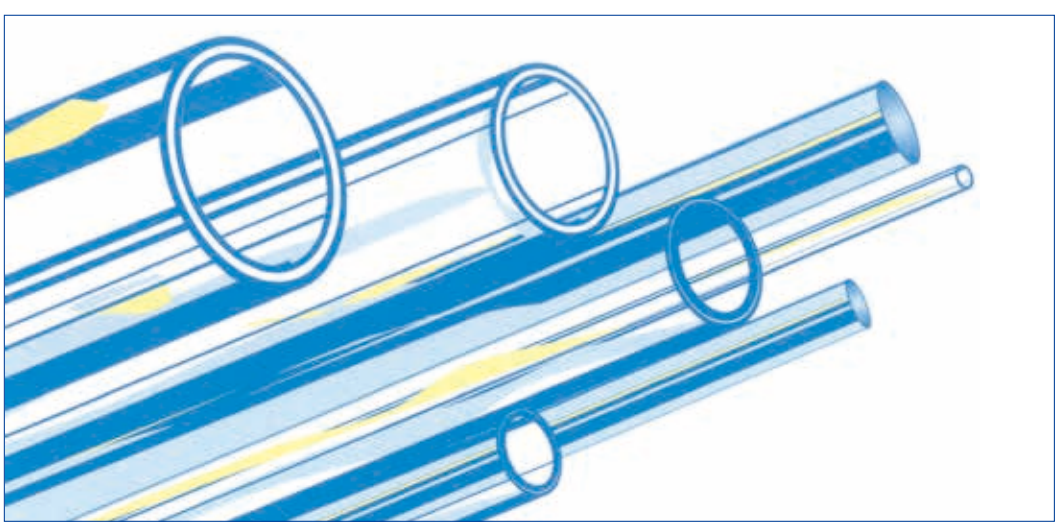
Made of Borosilicate α 3.3, Length 1500 mm, ISO/DIN, <Germany-Made> 특급 정밀 모세관 유리

* ISO / DIN
* Laboratory & Industry use
* The High Quality & Specification
* Borosilicate Glass, α 3.3 × 10^{-6} K^{-1}
* Working Temperature : 500℃
* Density : 2.23 g/cm^3
* Acid / Hydrolytic Glass 1
* Great in preciseness / usability uniformity

<L6>

Cat No.	od mm	Φ id. mm	Carton Ea.	Ea. Price (₩)	Cs. Price(₩)
SR.CA4/0.8	od.4	id.0.8	250	1,190	250ea 295,230
SR.CA5/0.4	od.5	id.0.4	154	1,920	154ea 295,230
SR.CA5/0.6	od.5	id.0.6	154	1,920	154ea 295,230
SR.CA5/0.8	od.5	id.0.8	156	1,900	156ea 295,230
SR.CA5/1.2	od.5	id.1.2	161	1,840	161ea 295,230
SR.CA6/0.4	od.6	id.0.4	104	2,840	104ea 295,230
SR.CA6/0.8	od.6	id.0.8	108	2,740	108ea 295,230
SR.CA6/1.2	od.6	id.1.2	110	2,690	110ea 295,230
SR.CA6/1.7	od.6	id.1.7	115	2,570	115ea 295,230
SR.CA6/2.2	od.6	id.2.2	122	2,420	122ea 295,230
SR.CA6/2.7	od.6	id.2.7	133	2,220	133ea 295,230
SR.CA7/0.8	od.7	id.0.8	79	3,740	79ea 295,230
SR.CA7/1.2	od.7	id.1.2	80	3,700	80ea 295,230
SR.CA7/1.7	od.7	id.1.7	83	3,560	83ea 295,230
SR.CA7/2.2	od.7	id.2.2	86	3,440	86ea 295,230
SR.CA7/2.7	od.7	id.2.7	91	3,250	91ea 295,230
SR.CA7/3.0	od.7	id.3.0	95	3,110	95ea 295,230

Cat No.	od mm	Φ id. mm	Carton Ea.	Ea. Price (₩)	Cs. Price(₩)
SR.CA8/0.8	od.8	id.0.8	60	4,930	60ea 295,230
SR.CA8/1.2	od.8	id.1.2	61	4,840	61ea 295,230
SR.CA8/1.7	od.8	id.1.7	63	4,690	63ea 295,230
SR.CA8/2.2	od.8	id.2.2	65	4,550	65ea 295,230
SR.CA8/2.7	od.8	id.2.7	67	4,410	67ea 295,230
SR.CA8/3.0	od.8	id.3.0	69	4,280	69ea 295,230
SR.CA9/0.8	od.9	id.0.8	47	5,590	47ea 262,430
SR.CA9/1.2	od.9	id.1.2	48	5,470	48ea 262,430
SR.CA9/1.7	od.9	id.1.7	49	5,360	49ea 262,430
SR.CA9/2.2	od.9	id.2.2	50	5,250	50ea 262,430
SR.CA9/2.7	od.9	id.2.7	52	5,050	52ea 262,430
SR.CA9/3.0	od.9	id.3.0	53	4,960	53ea 262,430



SCHOTT® Premium High-Precision DURAN® Glass Rod

Made of Borosilicate α 3.3, Length 1500 mm, ISO/DIN, <Germany-Made> 특급 정밀 유리봉

* ISO / DIN
* Laboratory & Industry use
* The High Quality & Specification
* Borosilicate Glass α 3.3 × 10^{-6} K^{-1}
* Working Temperature : 500℃
* Density : 2.23 g/cm^3
* Acid / Hydrolytic Glass 1
* Great in preciseness / usability uniformity

<L6>

Cat No.	od mm	Carton Ea.	Ea. Price (₩)	Cs. Price(₩)
SR.RO03	od.3	529	640	529ea 336,900
SR.RO04	od.4	298	1,140	298ea 336,900
SR.RO05	od.5	183	1,770	183ea 323,400
SR.RO06	od.6	140	1,670	140ea 232,590
SR.RO07	od.7	98	2,270	98ea 222,030
SR.RO08	od.8	80	2,960	80ea 236,100
SR.RO09	od.9	63	3,750	63ea 236,100
SR.RO010	od.10	45	4,620	45ea 207,900
SR.RO012	od.12	35	6,650	35ea 232,590

Cat No.	od mm	Carton Ea.	Ea. Price (₩)	Cs. Price(₩)
SR.RO014	od.14	24	9,110	24ea 218,490
SR.RO016	od.16	20	13,290	20ea 265,620
SR.RO018	od.18	20	16,850	20ea 336,940
SR.RO020	od.20	16	20,820	16ea 333,000
SR.RO022	od.22	12	25,280	12ea 303,290
SR.RO024	od.24	12	30,070	12ea 360,750
SR.RO026	od.26	9	35,240	9ea 317,140
SR.RO028	od.28	9	40,750	9ea 366,690
SR.RO030	od.30	6	46,920	6ea 281,480

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



Glass Tubing Cutter, with Hard-metal Wheel, Zinc alloy
Up to Φ50mm Tubing, 글라스 튜빙 컷터

■ ***Supplied by SciLab Korea*** ∗ Good for Economic Work

〈L1〉

Cat. No		Ea. Price, ₩
SL.Cut7011	Glass Tubing Cutter	12,520
SL.Cut7012	Spare Blade	3,270



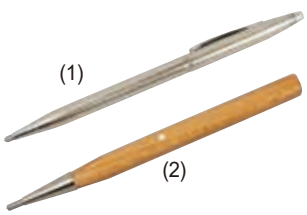
Bochem® Premium Glass Tubing Cutter, with Hard-metal Wheel
Up to Φ30mm Tubing, Nickel-plated Brass, 글라스 튜빙 컷터

■ ***Supplied by Bochem® in Germany***

∗ Complete with Hard-metal Wheel No.12211

〈L1〉

Cat. No		Ea. Price, ₩
BC.12210	Glass Tubing Cutter	49,320
BC.12211	Spare Hard-metal Wheel	16,950



Hammacher® Premium Diamond Pencil, L135/145mm
For Writing on Glass, <Germany-Made> 다이아몬드 펜슬

∗ Easy to Use ∗ For Writing on Glass

〈L1〉

Cat. No		Ea. Price, ₩
HA.HSB779.13	(1) Diamond Pencil, Ballpen-type, L135mm	69,470
HA.HSB780.01	(2) , Wooden handle, L145mm	69,470



Glass Cutting Knife, Blade-Exchangeable, L185mm
For Glass Tube/Plate Cutting, <Germany-Made> 글라스 컷팅 나이프

∗ Complete with Tungsten-blade No.5211. ∗ with Plastic-handle, L185mm

〈L1〉

Cat. No		Ea. Price, ₩
US.5210	Knife, for Glass Cutting, L185mm, 118g	79,830
US.5211	Spare Blade, 40×20mm, 22g	44,700

Wisd Glove™

Disposable · Premium Grade · CE Certified · Waterproof · Sun Protection · EN 455 Standard

◆ **Nitrile 2종,** Blue • White

: for Food & Exam, 식약처 인증 식품용 장갑!



Articles	Cat. No	Description



Sterile Latex Surgical Glove, Comfort Fit, Powder-Free, L280mm, *Medicaluse*
With Micro Rough Surface, Disposable, 6.5″~7.5″, **수술용 멸균 라텍스 장갑**

- ***Supplied by TOP GLOVE® in Malaysia***
- ***Meet All Requirements under ASTM D 3577 and EN 455 Standards***
- ***ISO 9001 and ISO 13485***

∗ Made of High Quality Latex ∗ Gamma Sterilized ∗ Sterile Individual Packaging
∗ Thickness (mm) : Min. 0.16 (Cuff) ; 0.18 (Palm) ; 0.23 (Fingers)

〈M3〉

		Pk.	Price, ₩
DM.Glo6001	Surgical Glove, Latex, Sterile, Powder Free, 6.5″	50pair	40,630
DM.Glo6002	, 7″	50pair	40,630
DM.Glo6003	, 7.5″	50pair	40,630



mediclin® Premium Nitrile Clean Glove, for Medical & Exam, L240mm, *Medicaluse*
With Textured, Powder Free, Ambidextrous, Premium Grade AQL 1.5, **니트릴 장갑, 실험·의료용**

- ***Supplied by DAIHAN Korea***
- ***식약처 인증 의료용 장갑***
- ***CE Certified***
- ***Blue & White Color***
- ***Meet All Requirements under EN 455 Standard.***



∗ Excellent Durability and Chemical Resistance, Non-sterile
∗ Width Size(mm) : 70±5(XS); 85±5(S); 95±5(M); 105±5(L); 115±5(XL)
∗ Thickness(mm) : 0.05±0.02(Cuff); 0.06±0.02(Palm); 0.08±0.02(Finger Tip)
∗ Tensile Strength : Min. 23.0(MPa)

〈M1〉

Size	(1) Blue					(2) White				
	Cat. No.	Pk.	Price, ₩	Cs.	Price, ₩	Cat. No.	Pk.	Price, ₩	Cs.	Price, ₩
X-Small	**DH.Glo6051**	100ea	13,680	10pk	126,470	**DH.Glo6061**	100ea	13,680	10pk	126,470
Small	**DH.Glo6052**	100ea	13,680	10pk	126,470	**DH.Glo6062**	100ea	13,680	10pk	126,470
Medium	**DH.Glo6053**	100ea	13,680	10pk	126,470	**DH.Glo6063**	100ea	13,680	10pk	126,470
Large	**DH.Glo6054**	100ea	13,680	10pk	126,470	**DH.Glo6064**	100ea	13,680	10pk	126,470

, Clean Room 크린룸용 장갑



WisdGlove™ Premium Foodstuff Nitrile Clean Glove, for Exam & Foodstuff, L240mm
Textured, Powder Free, Ambidextrous, Premium Grade AQL 1.5, **니트릴 크린 장갑, 식품·실험용**

- ***Supplied by DAIHAN Korea***
- ***식약처 인증 식품용 장갑***
- ***CE Certified***
- ***Blue & White Color***
- ***Meet All Requirements under EN 455 Standard.***

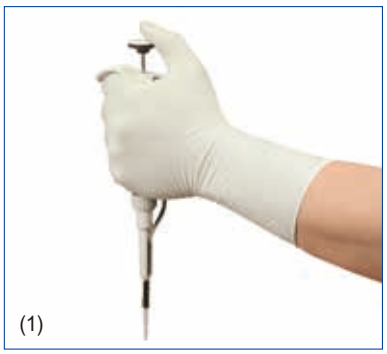


∗ Excellent Durability and Chemical Resistance, Non-sterile
∗ Width Size(mm) : 70±5(XS); 85±5(S); 95±5(M); 105±5(L); 115±5(XL)
∗ Thickness(mm) : 0.05±0.02(Cuff); 0.06±0.02(Palm); 0.08±0.02(Finger Tip)
∗ Tensile Strength : Min. 23.0(MPa)

〈L1〉

Size	(1) Blue					(2) White				
	Cat. No.	Pk.	Price, ₩	Cs.	Price, ₩	Cat. No.	Pk.	Price, ₩	Cs.	Price, ₩
X-Small	**DH.Glo6011**	100ea	14,400	10pk	133,290	**DH.Glo6021**	100ea	14,400	10pk	133,290
Small	**DH.Glo6012**	100ea	14,400	10pk	133,290	**DH.Glo6022**	100ea	14,400	10pk	133,290
Medium	**DH.Glo6013**	100ea	14,400	10pk	133,290	**DH.Glo6023**	100ea	14,400	10pk	133,290
Large	**DH.Glo6014**	100ea	14,400	10pk	133,290	**DH.Glo6024**	100ea	14,400	10pk	133,290

Articles	Cat. No	Description



(1)

SciGloves™ Clean Room Latex/Nitrile Glove, Grade 10,000 Class, Powder Free
With Textured, Medical Premium Grade AQL 1.5, L295mm, **크린룸용 라텍스/니트릴 실험장갑**

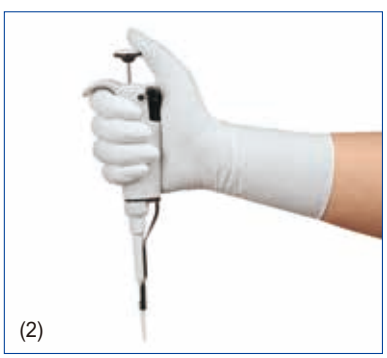
- ***Grade 10,000 Class***
- ***295mm Length***
- ***Natural Color***
- ***ISO 9001 and ISO 13485***
- ***Cuff : Beaded***
- ∗ 510 (K) Approved for Medical Use in the United States
- ∗ Meet All Requirements under ASTM D 3578
- ∗ Type : Ambidextrous / Non-sterile
- ∗ Manufactured by EN 455, T. 1-4
- ∗ AQL 1.5 (for Pin-Holes) - Premium Grade
- ∗ Finish : Texture

(1) Latex Gloves, Thick.(Palm) : 0.16mm

∗ Elongation: Min. 650% ∗ Tensile Strength: Min 18.0 (MPa)
∗ Thickness (mm) : 0.11 (Cuff) ; 0.16 (Palm) ; 0.16 (Finger Tip) ; ± 0.03

〈L1〉

		Pk.	Price, ₩	Cs.	Price, ₩
SL.Glo6111	Glove, Latex, Long Cuff, Powder Free, Textured, X-Small	100ea	18,680	10pk	172,770
SL.Glo6112	, Small	100ea	18,680	10pk	172,770
SL.Glo6113	, Medium	100ea	18,680	10pk	172,770
SL.Glo6114	, Large	100ea	18,680	10pk	172,770
SL.Glo6115	, X-Large	100ea	18,680	10pk	172,770



(2)

(2) Nitrile Gloves, Thick.(Palm) : 0.14mm

∗ Elongation: Min. 500%
∗ Thickness (mm) : 0.11 (Cuff) ; 0.14 (Palm) ; 0.16 (Finger Tip) ; ± 0.03
∗ Double Bagged Vacuum Packed ∗ Tensile Strength: Min 14.0 (MPa)

		Pk.	Price, ₩	Cs.	Price, ₩
SL.Glo6121	Glove, Nitrile, Long Cuff, Powder Free, Textured, X-Small	100ea	21,680	10pk	200,250
SL.Glo6122	, Small	100ea	21,680	10pk	200,250
SL.Glo6123	, Medium	100ea	21,680	10pk	200,250
SL.Glo6124	, Large	100ea	21,680	10pk	200,250
SL.Glo6125	, X-Large	100ea	21,680	10pk	200,250



Koreca® Clean Room Long Cuff Latex Glove, Grade 100 Class, Textured, L305mm, Anti-static
Ideal for Semi-conductor Industry · LCD · BLU Processing, **크린룸용 라텍스 긴 장갑**

- ***탄성이 높아 잘 늘어나고 섬세한 작업에 적합함***
- ***정전기 방지***
- ∗ Meet All Requirements under IES-RP-CC-005, ASTM D3578 & D5151
- ∗ Accurate Work with Dexterity
- ∗ Good Level of Grip and Antistatic by Embossing Finish
- ∗ Minimizing Allergy with Low Level of Latex
- ∗ Comfort and Easy Donning with Flexibility
- ∗ Economical Glove by Ambidextrous Feature
- ∗ Lenght 305mm, Thick-0.18mm

〈L3〉

		Pk.	Price, ₩	Cs.	Price, ₩
K9.4738S	Glove, Latex, for Clean Room, Long Cuff, L305mm, Small	100ea	19,500	10pk	
K9.4738M	, Medium	100ea	19,500	10pk	
K9.4738L	, Large	100ea	19,500	10pk	



Koreca® Antistatic Clean Room Glove, General-type, Ideal for Semi-conductor Industry
Breathable · Wearable · Washable · Odorless, Polyester & Carbon Fiber, **정전기방지 크린룸 장갑**

- ***섬세한 작업이 가능하며 통풍성이 우수하여 크린룸에 적합함***
- ∗ ESD(Electric Static Discharge) Glove
- ∗ Minimizing Static and Lint by Knitting Carbon Fiber on Polyester per 10mm

〈L3〉

		Pk.	Price, ₩
K9.26003.1S	Glove, Antistatic, General-type, L205mm, Small		7,300
K9.26003.1M	, L215mm, Medium		7,300
K9.26003.1L	, L230mm, Large		7,300

※ The Price(VAT is extra) for Korean End-user, and Changeable.



SciGloves™, Latex, w/Light-weight

SciGloves™ Light-weight Latex Exam Glove, Powder Free, Textured, L240mm
With Light-Weight, Premium Grade AQL 1.5, Light-weight **라텍스 실험장갑, 엠보싱 처리**

■ ***Light-weight 한 두께감으로 착용감이 부드럽고 예민한 작업에 적합***
■ ***Meet All Requirements under ASTM D 3578*** ■ ***Natural Color*** ■ ***ISO 9001 and ISO 13485***
■ ***Thick.(Palm) : 0.13mm*** ■ ***Contains Less Than 50㎍/g Extractable Latex Protein***
∗ 510 (K) Approved for Medical Use in the United States ∗ Type : Ambidextrous / Non-sterile
∗ Cuff : Beaded ∗ Thickness (mm) : 0.09 (Cuff) ; 0.13 (Palm) ; 0.14 (Finger Tip) ; ±0.03 〈L1〉
∗ Elongation : Min. 650% ∗ Tensile Strength : Min 18.0 (MPa)

		Pk.	Price, ₩	Cs.	Price, ₩
SL.Glo6021	Glove, Latex, Powder Free, Light-weight, Textured, X-Small	100ea	12,840	10pk	118,610
SL.Glo6022	, Small	100ea	12,840	10pk	118,610
SL.Glo6023	, Medium	100ea	12,840	10pk	118,610
SL.Glo6024	, Large	100ea	12,840	10pk	118,610
SL.Glo6025	, X-Large	100ea	12,840	10pk	118,610



SciGloves™ Latex Exam Glove, Powder-Free, Textured, L240mm
With Comfortable Grip, Premium Grade AQL 1.5, **라텍스 실험장갑**

■ ***가장 기본적인 라텍스 인기 장갑***
■ ***Meet All Requirements under ASTM D 3578*** ■ ***Natural Color*** ■ ***ISO 9001 and ISO 13485***
■ ***Thick.(Palm) : 0.14mm*** ■ ***Contains Less Than 50㎍/g Extractable Latex Protein***
∗ 510 (K) Approved for Medical Use in the United States ∗ Manufactured by EN 455, T. 1-4
∗ Elongation : Min. 650% ∗ Tensile Strength : Min 18.0 (MPa)
∗ Cuff : Beaded ∗ Thickness (mm) : 0.11 (Cuff) ; 0.14 (Palm) ; 0.15 (Finger Tip) ; ±0.03 〈L1〉

Size	(1) Natural					(2) Black				
	Cat. No.	Pk.	Price, ₩	Cs.	Price, ₩	Cat. No.	Pk.	Price, ₩	Cs.	Price, ₩
X-Small	SL.Glo6031	100ea	13,510	10pk	124,990	SL.Glo6061	100ea	14,940	10pk	137,650
Small	SL.Glo6032	100ea	13,510	10pk	124,990	SL.Glo6062	100ea	14,940	10pk	137,650
Medium	SL.Glo6033	100ea	13,510	10pk	124,990	SL.Glo6063	100ea	14,940	10pk	137,650
Large	SL.Glo6034	100ea	13,510	10pk	124,990	SL.Glo6064	100ea	14,940	10pk	137,650
X-Large	SL.Glo6035	100ea	13,510	10pk	124,990	SL.Glo6065	100ea	14,940	10pk	137,650



SciGloves™ Premium Lanolin & Vitamin Coated Latex Exam Glove, Lano-E™, Textured, L240mm
With Moisturising Inner Coating, Premium Grade, **라놀린 & 비타민 코팅 라텍스 실험장갑, 피부보호용**

■ ***장갑 내부에 라놀린 & 비타민 코팅처리로 습진과 피부 알레르기를 방지*** ■ ***Powder Free***
■ ***Meet All Requirements under ASTM D 3578*** ■ ***ISO 9001 and ISO 13485*** ■ ***Light Green Color***
■ ***510 (K) Approved for Medical use in the United States*** ■ ***Boost Moisture Levels & Smoothen Rough Skin***
∗ Thickness (mm) : Min. 0.08 (Cuff) ; 0.12 ±0.03 (Palm) ; 0.13 ±0.03 (Finger Tip) ∗ Cuff : Beaded
∗ Tensile Strength (Before Aging): Min. 18.0 MPa ∗ Tensile Strength (After Aging): Min. 14.0 MPa
∗ Elongation (Before Aging) : Min. 650% ∗ Elongation (After Aging) : Min. 500% ∗ Type : Ambidextrous / Non-sterile 〈L1〉
∗ Stress at 500% Elongation (Before Aging): Max. 5.5 MPa

		Pk.	Price, ₩	Cs.	Price, ₩
SL.Glo6131	Glove, Latex, Lanolin & Vitamin Coated, Textured, Small	100ea	15,030	10pk	139,030
SL.Glo6132	, Medium	100ea	15,030	10pk	139,030
SL.Glo6133	, Large	100ea	15,030	10pk	139,030



SciGloves™ Long Cuff Latex Exam Glove, Powder Free, Textured, L295mm
Ideal for Safety, Premium Grade AQL 1.5, Natural Color, **롱커프 라텍스 실험장갑**

■ ***손목을 다 덮는 Long Cuff 타입으로 작업자의 안전을 강화한 장갑*** ■ ***ISO 9001 and ISO 13485***
■ ***Meet All Requirements under ASTM D 3578*** ■ ***Contains Less Than 50㎍/g Extractable Latex Protein***
∗ 510 (K) Approved for Medical Use in the United States ∗ Type : Ambidextrous / Non-sterile
∗ Cuff : Beaded ∗ Thickness (mm) : 0.11 (Cuff) ; 0.16 (Palm) ; 0.16 (Finger Tip) ; ±0.03 〈L1〉
∗ Elongation : Min. 650% ∗ Tensile Strength : Min 18.0 (MPa)

		Pk.	Price, ₩	Cs.	Price, ₩
SL.Glo6051	Glove, Latex, Long Cuff, Powder Free, Textured, X-Small	100ea	18,280	10pk	169,100
SL.Glo6052	, Small	100ea	18,280	10pk	169,100
SL.Glo6053	, Medium	100ea	18,280	10pk	169,100
SL.Glo6054	, Large	100ea	18,280	10pk	169,100
SL.Glo6055	, X-Large	100ea	18,280	10pk	169,100

Articles	Cat. No	Description



SciGloves™ Light-weight Nitrile Exam Glove, Powder-Free, Finger Textured, L240mm
With Light Blue-color, Premium Grade AQL 1.5, Light-weight **니트릴 실험장갑**

■ ***Light-weght 한 두께감으로 착용감이 부드럽고 예민한 작업시 적합***
■ ***ISO 9001 and ISO 13485*** ■ ***Cuff : Beaded***
■ ***Ideal for Alternative when Latex Allergies are of concern***
∗ 510 (K) Approved for Medical use in the United States ∗ Meet All Requirements under ASTM D 6319
∗ Manufactured by EN 455, T. 1-4 ∗ Elongation : Min. 500%
∗ Thickness (mm) : 0.05 (Cuff) ; 0.07 ± 0.02 (Palm) ; 0.09 ± 0.03 (Finger Tip) ; ± 0.03
∗ Tensile Strength : Min 14.0 (MPa)

〈L1〉

		Pk.	Price, ₩	Cs.	Price, ₩
SL.Glo6101	Glove, Nitrile, Powder Free, Light-weight, Textured, X-Small	100ea	14,710	10pk	136,020
SL.Glo6102	, Small	100ea	14,710	10pk	136,020
SL.Glo6103	, Medium	100ea	14,710	10pk	136,020
SL.Glo6104	, Large	100ea	14,710	10pk	136,020
SL.Glo6105	, X-Large	100ea	14,710	10pk	136,020



SciGloves™ Premium Nitrile Exam Glove, KoolTouch™, Ideal for Soft Heavy-Duty, L240mm
With Textured, Powder Free, Premium Grade AQL 1.5, Ambidextrous, Non-sterile, **고급형 니트릴 실험장갑**

■ ***기본형보다 두꺼운 두께감으로 작업자의 안전을 강화한 장갑***
■ ***Light Blue Color*** ■ ***Cuff : Beaded*** ■ ***Meet All Requirements under ASTM D 3578***
■ ***Ideal for Alternative when Latex Allergies are of concern***
∗ 510 (K) Approved for Medical Use in the United States ∗ ISO 9001 and ISO 13485
∗ Thickness (mm) : 0.09 (Cuff) ; 0.13 (Palm) ; 0.14 (Finger Tip) ; ±0.03
∗ Elongation : Min. 500% ∗ Tensile Strength : Min 14.0 (MPa)

〈L1〉

		Pk.	Price, ₩	Cs.	Price, ₩
SL.Glo6081	Glove, Nitrile, Premium, Powder Free, Textured, X-Small	100ea	16,210	10pk	149,380
SL.Glo6082	, Small	100ea	16,210	10pk	149,380
SL.Glo6083	, Medium	100ea	16,210	10pk	149,380
SL.Glo6084	, Large	100ea	16,210	10pk	149,380
SL.Glo6085	, X-Large	100ea	16,210	10pk	149,380



SciGloves™ Long Cuff Nitrile Exam Glove, Powder Free, Textured, L295mm
Ideal for Safety, Premium Grade AQL 1.5, Light Blue Color, **롱커프 니트릴 실험장갑**

■ ***손목을 다 덮는 Long Cuff 타입으로 작업자의 안전을 강화함***
■ ***Meet All Requirements under ASTM D 3578***
■ ***ISO 9001 and ISO 13485*** ■ ***Cuff : Beaded***
∗ 510 (K) Approved for Medical Use in the United States ∗ Type : Ambidextrous / Non-sterile
∗ Thickness (mm) : 0.11 (Cuff) ; 0.14 (Palm) ; 0.16 (Finger Tip) ; ±0.03
∗ Elongation : Min. 500% ∗ Tensile Strength : Min 14.0 (MPa)

〈L1〉

		Pk.	Price, ₩	Cs.	Price, ₩
SL.Glo6091	Glove, Nitrile, Long Cuff, Powder Free, Textured, X-Small	100ea	19,860	10pk	183,680
SL.Glo6092	, Small	100ea	19,860	10pk	183,680
SL.Glo6093	, Medium	100ea	19,860	10pk	183,680
SL.Glo6094	, Large	100ea	19,860	10pk	183,680
SL.Glo6095	, X-Large	100ea	19,860	10pk	183,680



SciLab® Glove Pack Holder, Epoxy Coated Steel
For Glove Packages, 3-placed, 250×108×h454mm, **글러브 팩 홀더**

■ ***Made in Korea***
∗ Ideal for Glove Pack Storage.
∗ Epoxy Coated Steel Wire Rack
∗ Very Convenience : Holds 3 Glove Packages

〈L1〉

		Ea.	Price, ₩
SL.Sta7030	Rack, Glove Pack Holder, 250×108×h454mm, Green		37,240

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



Ansell® Disposable Anti-static Nitrile Glove, Green, Thick-0.11mm, L300mm
With Finger Textured, No Latex allergy, <Australia-Made> **정전기방지 니트릴 일회용 내화학장갑**

■ ***Anti-static according to EN1149***
■ ***Proven Splash Resistance Against Hazardous Chemicals***
∗ Offer up to 4 times the Puncture Resistance to Comparable Natural-Latex Gloves and 3 times the Resistance to Similar Neoprene Gloves.
∗ Easy Donning and Strong Grip in Wet or Dry Conditions. ∗ Highly Versatile and Suitable for Many Different Uses.
∗ Ideal for Chemical Handling, Electronics, and Pharmaceuticals, Glass Manufacturing, etc.
∗ 100 gloves in a pack, 10packs in a case.

〈L3〉

		Pk.	Price, ₩	Cs.	Price, ₩
AN.92605M	Glove, Chemical Resistant, Nitrile Coated, Disposable, L300mm, M	100ea	34,380	10pk	
AN.92605L	, L	100ea	34,380	10pk	



Ansell® Solvex® Nitile Chemical Resistant Glove, Nitrile Fully Coated, 2 types of Lining & Cuff
With Embossing Textured, Enhance Grip, Green, Length 330 & 455mm, <Australia-Made> **솔벡스 내화학 장갑**

■ ***찢김 및 마모로부터 우수한 보호 기능 제공***
■ ***High-comfort, Chemical Resistant Glove***
∗ Ideal for Agrochemicals, Metal Fabrication, Printing, Refining, Chemical Processing and Preparation

〈L3〉

(1) L330mm with Flocked Lined, Safety Cuff Style

		Pair.	Price, ₩	Pk.	Price, ₩
AN.37176S	Glove, Nitrile Coated, Flocked Lining, Chemical Resistant, L330mm, S		3,420	12pair	
AN.37176M	, M		3,420	12pair	
AN.37176L	, L		3,420	12pair	

(2) Anti-static, Long Cuff L455mm with Unlined Lining

		Pair.	Price, ₩	Pk.	Price, ₩
AN.37185M	Glove, Chemical Resistant, Nitrile Coated, Unlined Lining, L455mm, M		8,620	12pair	
AN.37185L	, L		8,620	12pair	

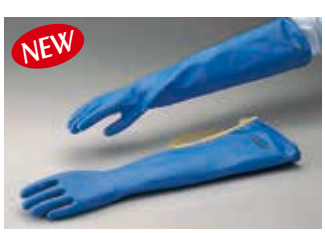


Ansell® Neoprene™ Chemicals Safety Glove, Embossing Textured, L320 & 340mm
Cotton Flock Lined, Immersion, KOSHA Certified, <Australia-Made> **네오프렌 내화학 안전장갑**

■ ***손바닥에 샌드패치 마감처리로 미끌림 방지와 우수한 그립성 제공***
■ ***KOSHA (Korea Occupational Safety Health Agency) 18001 Certified.***
■ ***Complies with FDA Food Handling Requirements (21 CFR 177.2600)***
∗ Excellent Resistance to a Wide Range of Chemicals, including Oil, Acids, Caustics and Solvents.
∗ Ideal for Handling Alkalies, Salts, Oils, Acids, Caustics, Alcohols, and Specialty Chemicals.
∗ Very Good Dexterity and Sensitivity. ∗ Cotton Flock Lined for Comfort.

〈L3〉

		Pair.	Price, ₩	Pk.	Price, ₩
AN.29865M	Glove, Neoprene Fully Coated, Chemical Resistant, L320mm, M		9,750	12pair	
AN.29865L	, L340mm, L		9,750	12pair	



Premium CSM/NBR Conc-Acid Safety Glove, Weather · Temp-resistant, L550 & 580mm
Ideal for Hydrofluoric Acid, Chemical Resistant, Two-layered, **강산/내약품성 장갑**

■ ***내약품성 : 강산용 글러브*** ■ ***재질 : 겉면-하이퍼론, 안면-니트릴 고무***
∗ Material : Synthetic Rubber (CSM:Surface + NBR:Reverse) of Two Layers
∗ Strong Resistant against Oxidizing Chemicals

〈L2〉

		Pair.	Price, ₩
SL.Glo6511	"A-22L" Gloves, Conc-Acid Resistant, L580mm for Man , Thick. 0.5mm		155,240
SL.Glo6512	"B-22L" , L550mm for Woman, Thick. 0.4mm		145,270

Ansell® AlphaTec® Anti-Static Chemical Resistant Glove, Acrylic Lined, Nitrile Fully Coated, Elbow-type, L350mm
Ideal for Chemical Handling ; Caustics · Solvents · Paint · Glues &c., <Australia-Made> **제전 미끄럼방지 내화학장갑**



■ ***약품이나 기름기가 있는 물건을 다룰 때 손의 피로를 최소화하여 우수한 착용감 제공***
■ ***KOSHA 18001 Certified.*** ■ ***Meets the Requirements of AS / NZS2161 / KCS Improved.***
∗ Acrylic Lined · Nitrile Fully Coated.
∗ Elbow-Type L350mm ; Safety Working.

〈L3〉

		Pair.	Price, ₩	Cs.	Price, ₩
AN.58535S	Glove, Nitrile Fully Coated, Chemical Resistant, S		13,000	6pair	
AN.58535M	, M		13,000	6pair	
AN.58535L	, L		13,000	6pair	

Articles	Cat. No	Description

Koreca® Handmax® Cut Resistance Glove, PU Palm Coated or Not, Minimize Hand Fatigue
Ideal for Lab · Glass Handling · Recycling · Sheet Metal Work · Cutting Application, **내절단용 장갑, 베임보호장갑**

EN388:2003 X3XX EN388 4543

- ***절단방지레벨 3 : (1), (2)***
- ***절단방지레벨 5(EN388-4543) : (3), (4)***
- ***Offers excellent cut resistance and dexterity for industrial applications.***
- ***PU(Polyurethane) Coating Palm : No slippery, No Fingerprints, Ideal for Lab Room(Glass Handling, Recycling, Sheet Metal Work, Cutting Application)***

∗ Textile Material - (1), (2), (3) : HPPE & Poly & Spandex, (4) : HPPE & Spandex


(1)


(2)


(3)


(4)

〈L3〉

(1) Handmax® White PU Coated Glove, 13 Gauge

		Pair. Price,₩
K9.3040M	Cut Resistance Glove, PU Coating, White, Medium	6,500
K9.3040L	, Large	6,500

(2) Handmax® Grey PU Coated Glove, 13 Gauge

		Pair. Price,₩
K9.3041M	Cut Resistance Glove, PU Coating, Grey, Medium	6,500
K9.3041L	, Large	6,500

(3) Handmax® Grey PU Coated Glove, Nylon-Glass Fiber blend, 13 Gauge

		Pair. Price,₩
K9.7331S	Cut Resistance Glove, PU Coating, Small	6,990
K9.7332M	, Medium	6,990
K9.7333L	, Large	6,990

(4) Handmax® Grey PU Coated Glove, Stainless-steel Fiber blend, 13 Gauge

		Pair. Price,₩
K9.8168M	Cut Resistance Glove, PU Coating, Medium	7,970
K9.8168L	, Large	7,970



DuPont™ Kevlar® Heat & Cut Resistant Glove, General & PVC Dot-type, L240mm
For Comfortable Fit, Reusable, Seamless Knitting, 13Gauge, Yellow, **듀폰 케블라 내열 & 내절단 장갑**

- ***Supplied by Koreca® in Korea***
- ***Heat Resistant : 100℃-17.9 sec., 250℃- 5.9 sec***
- ***Pyrolysis Temperature : 427℃~482℃***
- ∗ Ideal for Handling Steel & Glass, industry, Heat Resistant Work

∗ Provide a Variety of Models, Depending on the Application(General, Palm Dot, Both Side Dot)

∗ Don't Use Chlorine Disinfectant when Washing - Glove Strength can be Reduced

〈L3〉

		Pair. Price, ₩	Pk. Price, ₩
K9.KE	Glove, Kevlar, Heat & Cut Resistant, Reusable, General Type, L240mm	6,340	10pair
K9.KP	, Palm Dot Type, L240mm	6,830	10pair

, Glove Box 글러브박스용



Hypalon Gloves For Glove Box, for Port Φ200/203, Length 800mm
Ideal for Acid, Thickness 0.4mm, **글러브 박스용 장갑**

- ***뛰어난 내약품성***
- ***재질 : 겉면-하이퍼론, 안면-니트릴 고무***
- ***Chemical Resistant - Hydrofluoric Acid / Agua Regia / Strong Surfuric Acid***

∗ Material : Front / Hypalon, Back / Nitrile Rubber

〈L2〉

		Pair. Price, ₩
SL.Glo6601	"K-82" Gloves For Glove Box, Port Φ200/203mm	320,480



Natural Rubber Gloves for Glove Box, for Port Φ130~200mm, Length 630~780mm
Powdered, Thickness 0.4 & 0.6mm, **천연 고무 글러브 박스용 장갑**

- ***재질 : 천연고무***

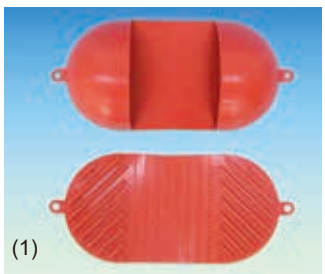
〈L2〉

		Pair. Price, ₩
SL.Glo6621	Gloves For Glove Box, Thickness 0.4mm, Φ130×L630mm	78,520
SL.Glo6622	, Thickness 0.6mm, Φ150×L700mm	68,300
SL.Glo6623	, Φ200×L780mm	119,890

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description

SciLab® Handy Heat Protector-Glove, Made of Silicone Rubber, −40℃+250℃
For Safe Gripping Hot or Very Cold Beaker · Bottle · Flask &c., **내열 보호대-장갑**


(1)


(2)



■ ***Supplied by SciLab Korea***
∗ with Φ6mm Hole Tabs for Hanging
∗ For Safely Gripping Hot or Very Cold beakers / Bottles / Flasks / Others
∗ Durability, Good Gripping

■ *내열성이 우수하여 저온 · 고온의 실험기구를 안전하게 잡는데 사용*
∗ Free Size : Can be worn on all hands
∗ Anti-Skid Surface Treatment

〈L1〉

		Ea.	Price, ₩
SL.Glo6011	Hand Protector, Red Silicone, 98×188mm		11,890
SL.Glo6012	, White Silicone, 98×180mm		11,890



Heat Resistant Glove, Length 340 & 450mm, Flexibility 400℃
Made of Meta-Aramid Fiber, Heat & Chemical Resistance, **내열방재장갑**

■ ***내열성 · 내약품성 우수*** ■ ***세탁 가능***
∗ Excellent in Heat and Chemical Resistance ∗ Excellent in workability by Soft Knitting
∗ Material : Surface/Meta-Aramid fiber, Lining/Cotton 100%, Palm/Meta-Aramid Fiber, Aluminum Processing
※ Please use in below 400℃

〈L2〉

		Pair.	Price, ₩
SL.Glo6421	Gloves, Heat Resistant, L340mm		176,530
SL.Glo6422	, L450mm		217,590



Heat Resistant Glove, Length 450 & 350mm, Flexible, 500℃
Made of Aramid Combined Heat Resistant Felt COP301, **내열방재장갑**

∗ Material : Aramid Combined Heat Resistant Felt COP301
∗ Soft Cloth Surface and Hard to get Tired ∗ Strengthening Insulation Type
※ Actual Color may be Different ones in the Photo

〈L2〉

		Pair.	Price, ₩
SL.Glo6431	Gloves, Heat Resistant, 500℃, L450 mm		322,770
SL.Glo6432	, L350 mm		248,940



Koreca® Aluminize Heat Resistant Glove, Length 330mm, Flexible, 800℃
With 5 Finger-type, **알루미나이즈 방열장갑**

∗ Material : Outer layer - Aluminum Coated, Lining - 100% Aramid Fiber
∗ Ideal for Safety Working : Suppression of Fire, Protection Against Heat, Electric Furnace, Smelting Furnace, Electrical Work

〈L3〉

		Pair.	Price,₩	Cs.	Price,₩
K9.26592	Glove, Heat Resistant, Aluminize, 5-Finger type	62,570		10pair	



1000℃ Heat Resistant Gloves, Made of Aramid Fiber, Length 350 & 450mm, Flexible
Excellent in Heat Insulation, **내열장갑, 내열성 & 내화학성**

■ ***1000℃의 온도에 견디고, 열전도도가 낮아 단열 효과가 우수***
■ ***Material : Para-Aramid Fiber Technora And Silica Fibers Composite Material***
∗ Heat Resistance Temperature 1000℃

〈L2〉

		Pair.	Price, ₩
SL.Glo6635	Glove, 1000°C Heat Resistant, Standard Type, L350mm		352,970
SL.Glo6636	, Long Type , L450mm		519,970

Articles	Cat. No	Description



Temres® Cold Resistant Waterproof Glove, −40℃+40℃, L270~280mm
Moisture Permeable, PU/Acrylic Fiber for Low-Temperature, **방한 방수 장갑, 저온용, 투습**

■ ***방수성을 유지하면서 습기를 밖으로 배출, 보온성, 저온에서도 유연성 유지***
■ ***Material : Resin Part - PU (polyurethane), Fiber Part - Acrylic, PU (polyurethane)***
∗ As It Releases Moisture Outside While Maintaining Waterproofing, It Helps Prevent Interior Chill
∗ The Glove Linings are a Pile Fabric that Helps Retain Warmth
∗ It Maintains Flexibility Even at Low Temperatures (−40℃).

〈L2〉

		Pair. Price, ₩
SL.Glo6641	Glove, Moisture Permeable Waterproof, Medium, 270mm	25,500
SL.Glo6642	, Large , 275mm	25,500
SL.Glo6643	, X-Large, 280mm	25,500

(1)



(2)



(3)



Cryogenic Protection Glove, Waterproof, Against Thermal and Splash, −250℃
Ideal for Dry Ice, Ultra Low Temp Freezer, Handling Cryogenic Liquid, **초저온용 장갑**

■ ***Supplied by DAIHAN Korea*** ■ ***5겹으로 제작되어 저온의 환경에서도 뛰어난 보온성을 가짐***
■ ***액화 질소의 운반 및 저장 시 사용하며 3가지 종류로 작업환경에 맞게 작업자를 보호함***
■ ***Not Intended for Immersion in Cryogenic Liquid***
∗ Waterproof Coated, Lightweight, High Flexibility and Dexterity
∗ Inner Lining Wicks Moisture from the Hand
∗ Comfortable to Wear, Maintaining Comfort during Extended Period
∗ Material : Taslon(100% Nylon Yarn)

〈L1〉

(1) Wrist Type

		Pair. Price, ₩
DH.Glo3011	Glove, for Cryogenic Protection, Waterproof, Wrist, Free-size, L320mm	92,420

(2) Mid-Arm Type

		Pair. Price, ₩
DH.Glo3021	Glove, for Cryogenic Protection, Waterproof, Mid-arm, Free-size, L380mm	107,320

(3) Elbow Type

		Pair. Price, ₩
DH.Glo3031	Glove, for Cryogenic Protection, Waterproof, Elbow, Free-size, L480mm	141,600

, Working/Industry 산업용



ORUN™ Comfort Multiuse Nylon Glove, Grip Tap Coated, Touch Screen, Palm Dot-type, L210~240mm
Ideal for Light Working/Leisure/Camping, **편리성 다용도 나일론 장갑, 모바일폰 터치가능, 통기성/신축성/그립성 우수**

■ ***Supplied by SciLab Korea***
■ ***다용도; 실내외 경량작업/레저/등산 캠핑용 등의 경제성 안전장갑, 스마트폰 터치와 우수한 그립성***
∗ PU(PolyUrethane) Top Fit Coating ∗ Non-Slip with PVC Palm Dot ∗ Soft and Stretchy
∗ Breathable, Anti-Sweat with Nylon Fiber ∗ Ideal Indoor Operation, Light General Handling, Leisure & Casher
∗ Conductive Cotton Yarn on Top Fit Conveys Electrical Impulse to the Touchscreen

〈B2〉

		Pair. Price, ₩	Cs. Price, ₩
SL.Glo6721	Nylon & PU Top Fit Glove, PVC Dot-type, Grey, L210mm, Small	1,450	120pair 167,930
SL.Glo6722	, L230mm, Medium	1,450	120pair 167,930
SL.Glo6723	, L240mm, Large	1,450	120pair 167,930



ORUN™ High Elastic Nylon Gloves, PU Palm Coated, Minimize Hand Fatigue, L225~240mm
Dust & DMF Free, Breathable, Anti-slippery, 18Guage, **고탄력 나일론 장갑, PU코팅**

■ ***Supplied by SciLab Korea***
■ ***18G 촘촘한 나일론 내피와 PU(PolyUrethane)코팅으로 착용감이 우수하고, 먼지가 잘 묻지 않음***
■ ***Usability Available in a Wide Range, Including Agriculture, Gardening, Carpentry, Precision Work, and General Work.***
∗ Prevent Fingerprints from Getting on the Surface when Handling Work

〈B2〉

		Pair. Price, ₩	Cs. Price, ₩
SL.Glo6701	Nylon & PU Coated Blue Glove, L225mm, Small	1,280	120Pair 147,840
SL.Glo6702	, L230mm, Medium	1,280	120Pair 147,840
SL.Glo6703	, L240mm, Large	1,280	120Pair 147,840

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



ORUN™ Comfort Grip Nylon Gloves, NBR Coated, Anti-slip, L230~240mm
Ideal for Touch Screen Device, Abrasion Resistant, **안전그립 나일론 장갑,** NBR코팅, 모바일폰 터치 기능

■ Supplied by SciLab Korea
■ 우수한 통기성, 편안한 착용감, 마모가 빠른 손가락 끝부분을 이중 편직으로 구성함
∗ Excellent Ventilation, Comfortable Fit ∗ Finger-Stiffened Double-Piece Fabrication
∗ Less Tired even after Wearing it for a Long Time by Remembers the Shape of the Hands.
∗ NBR Coated Gloves - Material : Microfiber with NBR(AcryloNitrile Butadiene Rubber) Coating Palm
- Smart Device Touchable, and Oil Resistance.

〈B2〉

		Pair. Price, ₩	Cs. Price, ₩
SL.Glo6717	Glove, NBR Coated Nylon, Comfort Grip, 230mm, Small	2,080	120pair 240,930
SL.Glo6718	, 235mm, Medium	2,080	120pair 240,930
SL.Glo6719	, 240mm, Large	2,080	120pair 240,930



ORUN™ High Strength Microfinger Glove, NBR Coated Comfort Grip, L230~240mm
Ideal for Touch Screen Device · Anti-Slip · Winter, **고강도 화이바 안전그립 장갑,** NBR코팅, 모바일폰 터치 기능

■ Made in Korea ***■ 초극세사 날개원단 사용, 내피의 보온성이 우수하여 동계용으로 적합***
■ 부드러운 착용감, 스마트기기 터치가능, 미끄럼방지 표면처리, 높은 내구력의 특징을 가지고 있음
∗ Material : Microfiber with NBR(AcryloNitrile Butadiene Rubber) Coating Palm
∗ Ideal for Outdoor Operation, High Strength Handling, Logistics Working, and Winter Activity
∗ Oil-resistant ∗ Excellent Durability & Soft Wearability

〈B2〉

		Pair. Price, ₩	Cs. Price, ₩
SL.Glo6737	Glove, NBR Coated Microfinger, 230mm, Small	3,280	120pair 379,640
SL.Glo6738	, 235mm, Medium	3,280	120pair 379,640
SL.Glo6739	, 240mm, Large	3,280	120pair 379,640



ORUN™ Hi-Function Glove, NBR Coated, Prevent for Abration & Scratch, L300mm
Oil & Water Resistant, Durability, Anti-slip, Comfort Grip, Multi-use, **다용도 안전그립 장갑,** NBR코팅, 내유·방수

■ Supplied by SciLab Korea
■ 내유성, 내구성이 뛰어나 마모, 긁힘 등에 강함 ***■ NBR 코팅으로 미끄럽지 않은 최상급 그립감 제공***
■ Ideal for Fishery Industry, Oil Treating, Machinery, Deck Work, Construction
∗ Material : Layer-Cotton, Polyester/Outer-NBR(AcryloNitrile Butadiene Rubber) Coating

〈B2〉

		Pair. Price, ₩	Cs. Price, ₩
SL.Glo6731	Glove, NBR Coating Palm, L300mm, L	4,630	120pair 538,430
SL.Glo6732	, XL	4,630	120pair 538,430
SL.Glo6733	, XXL	4,630	120pair 538,430



Hand Max® Power Grip Glove, Excellent Grip, Nitrile Fiber, 13Gauge, Gray
With Nitrile Foam Palm Coated, Oil & Detergent Resistant, L210~230mm, **핸드맥스 파워그립 장갑**

∗ Ideal for Handling Oil & Tools · Serving Cars · Automotive · Transportation · Warehousing
∗ Durability ∗ Breathability

〈L3〉

		Pair. Price, ₩	Pk. Price, ₩
K9.3866S	Glove, Nylon Fiber, Nitrile Foam Palm Coating, Oil Resistant, L210mm, S	2,040	10pair
K9.3865M	, L220mm, M	2,040	10pair
K9.3864L	, L230mm, L	2,040	10pair



Novax® Insulation Glove, Raw Rubber, Orange Color, up to AC1,000V & 7,500V, Length 360mm
Ideal for Electrical Work, with Smooth Finish, **감전방지용 절연장갑**

∗ Natural Rubber Construction
∗ Dielectric Properties combined with Flexibility, Strength and Durability

〈L3〉

		Pair. Price,₩	Cs. Price, ₩
K9.45174.V10M	Insulation Glove, up to 1000V, M Size(Palm Size : 105mm)	52,820	10pair
K9.45174.V10L	, L Size(Palm Size : 120mm)	52,820	10pair
K9.45174.V75M	, up to 7500V, M Size(Palm Size : 105mm)	73,130	10pair
K9.45174.V75L	, L Size(Palm Size : 120mm)	73,130	10pair

Articles	Cat. No	Description

DAIHAN® 10mm PMMA Glove Box Complete Set, with Natural Rubber Glove and Transfer Chamber, for 1 Operator
With Internal Outlet, Foot S/W for Internal Pressure Regulation, Vacuum Pressure 1 Torr, **표준형 글러브박스/음압박스, 1인용**

1-Year Warranty



150Lit & 179Lit



(1) Natural Rubber Gloves(Included)

- ***Supplied by DAIHAN Korea*** ■ ***Compact, Portable, Lightweight and Self-contained***
- ***Ergonomic Design to Fit the Average Person***
- ***For Isolating Sensitive Research Studies from a Hostile Exterior Environment***
- ***The Front Slopes Viewing Panel Minimizes Glare***
- ∗ Light Weight and Easy to move from Lab to Lab
- ∗ Excellent Viewing & Air Tight Structure
- ∗ Vacuum Gauge on Transfer Chamber
- ∗ Main Chamber Foot Switch for Control Internal Pressure, Humidity and Oxygen

Specifications & Ordering information

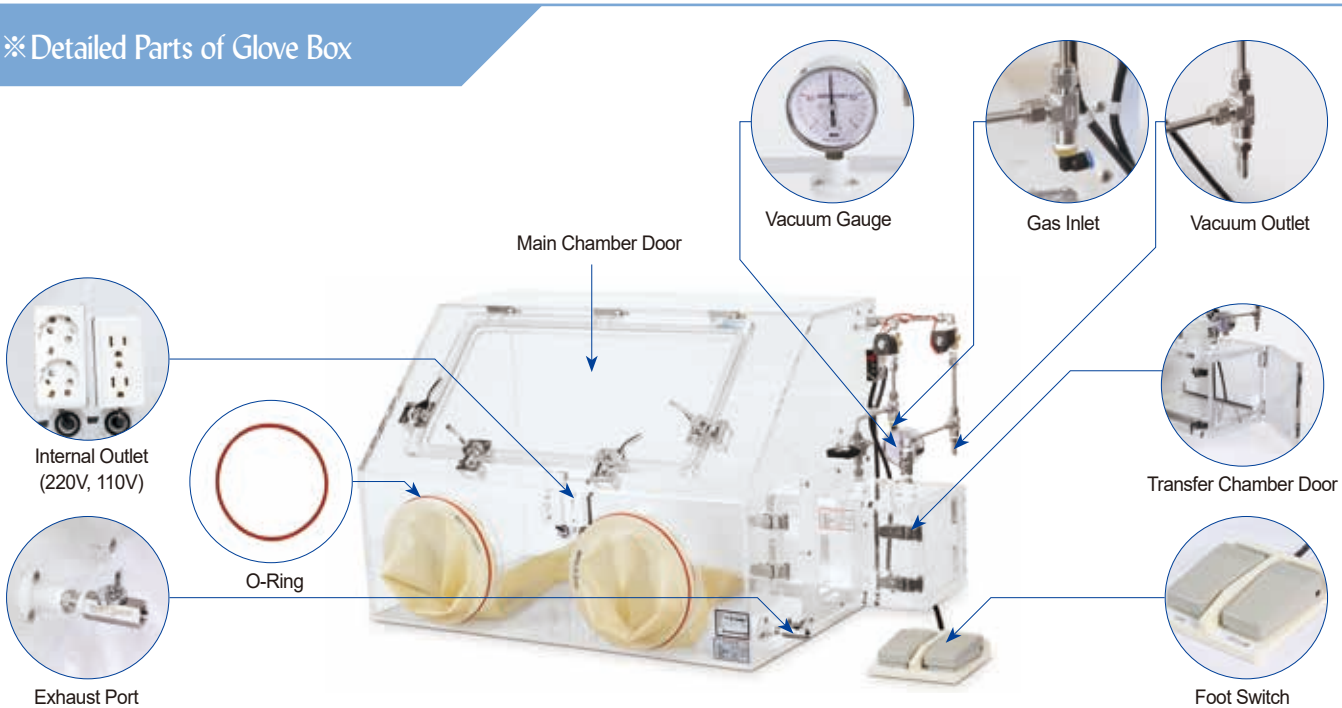
〈L2〉

Spec. \ Model		"GLOB150" 150 Lit	"GLOB180" 179 Lit
Main Chamber (w×d×h)	Outer D.	760×450×550mm	800×500×550mm
	Inner D.	740×430×530mm	780×480×530mm
	Thickness	10mm	
Transfer Chamber (w×d×h)	Outer D.	290×180×180mm	
	Inner D.	250×140×140mm	
	Thickness	20mm	
Material		PMMA(Polymethyl Methacrylate Resin)	
Vacuum Gauge		-1 to 1 Bar	
Vacuum Pressure		Pass Box : 1Torr	
Vacuum Outlet		O.D. Φ9mm	
Gas Inlet		One touch Fitting, 1Ea.(I.D. Φ6mm)	
Electric Outlet		2×220V and 2×110V	
Gloves		Natural Rubber Gloves, L640mm, 0.4mm thick	
Glove Port		2 Ports, 8"(Φ203mm)	
Weight		32 kg	35 kg
Cat. No.		DH.GloB150	DH.GloB180
Price, Each. ₩		4,314,000	4,930,000

Spare Gloves

		Pair. Price, ₩
SL.Glo6623	(1) Natural Rubber Glove, 8"(Φ200mm), L780mm, 0.6mm thick	119,890

※Detailed Parts of Glove Box



※ The Price(VAT is extra) for Korean End-user, and Changeable.

DAIHAN® Premium 15mm PMMA Heavy Duty Glove Box Complete Set, Natural Rubber Glove & Transfer Chamber, 1 & 2 Operators With Internal Outlet, Foot S/W for Internal Pressure Regulation, Vacuum Pressure 1 Torr, 프리미엄 안전 글러브박스/음압박스, 1 & 2인용

1-Year Warranty



182L, for 1 Operator

1-Year Warranty



416L, for 2 Operators



(1) Natural Rubber Gloves(Included)

※ **Detailed parts of Glove Box**
⇒ **See the Previous Page.**

- ***Supplied by DAIHAN Korea***
- ***Compact, Portable, Lightweight and Self-contained***
- ***Ergonomic Design to Fit the Average Person***
- ***For Isolating Sensitive Research Studies from a Hostile Exterior Environment***
- ***The Front Slopes Viewing Panel Minimizes Glare***

∗ Light Weight and Easy to move from Lab to Lab
∗ Excellent Viewing & Air Tight Structure ∗ Vacuum Gauge on Transfer Chamber
∗ Main Chamber Foot Switch for Control Internal Pressure, Humidity and Oxygen

Specifications & Ordering information

〈L2〉

Spec. \ Model		1 Operator type	2 Operators type
		"GLOB190" 182 Lit	"GLOB420" 416 Lit
Main Chamber (w×d×h)	Outer D.	800×500×550mm	1530×530×630mm
	Inner D.	770×470×530mm	1500×500×600mm
	Thickness	15mm	
Transfer Chamber (w×d×h)	Outer D.	390×250×250mm	
	Inner D.	350×210×185mm	
	Thickness	20mm	
Material		PMMA(Polymethyl Methacrylate Resin)	
Vacuum Gauge		-1 to 1 Bar	
Vacuum Pressure		Pass Box : 1Torr	
Vacuum Outlet		O.D. Φ9mm	
Gas Inlet		One touch Fitting, 1Ea.(I.D. Φ6mm)	
Electric Outlet		2×220V and 2×110V	
Gloves		Natural Rubber Gloves, L640mm, 0.4mm thick	
Glove Port		2 Ports, 8"(Φ203mm)	4 Ports, 8"(Φ203mm)
Weight		51 kg	86 kg
Cat. No.		DH.GloB190	DH.GloB420
Price, Each. ₩		6,417,000	14,773,000

Spare Gloves

Cat. No		Pair. Price, ₩
SL.Glo6623	(1) Natural Rubber Glove, 8"(Φ200mm), L780mm, 0.6mm thick	119,890



Hypalon Gloves For Glove Box, for Port Φ200/203, Length 800mm
Ideal for Acid, Thickness 0.4mm, 글러브 박스용 장갑

- ***뛰어난 내약품성***
- ***재질 : 겉면-하이퍼론, 안면-니트릴 고무***
- ***Chemical Resistant - Hydrofluoric Acid / Agua Regia / Strong Surfuric Acid***

∗ Material : Front / Hypalon, Back / Nitrile Rubber

〈L2〉

Cat. No		Pair. Price, ₩
SL.Glo6601	"K-82" Gloves For Glove Box, Port Φ200/203mm	320,480



Natural Rubber Gloves for Glove Box, for Port Φ130~200mm, Length 630~780mm
Powdered, Thickness 0.4 & 0.6mm, 천연 고무 글러브박스용 장갑

- ***재질 : 천연고무***

〈L2〉

Cat. No		Pair. Price, ₩
SL.Glo6621	Gloves For Glove Box, Thickness 0.4mm, Φ130×L630mm	78,520
SL.Glo6622	, Thickness 0.6mm, Φ150×L700mm	68,300
SL.Glo6623	, Φ200×L780mm	119,890

Articles	Cat. No	Description

DAIHAN® Premium 40mm PMMA Vacuum Glove Box Complete Set, Natural Rubber Glove & Transfer Chamber, for 1 Operator

With Internal Outlet, Foot S/W for Internal Pressure Regulation, Vacuum Pressure 10 Torr, 프리미엄 진공 글러브박스/음압박스, 1인용

1-Year Warranty



212L Vacuum Glove Box Complete Set



(1) Natural Rubber Gloves(Included)

- ***Supplied by DAIHAN Korea***
- ***Ergonomic Design to Fit the Average Person***
- ***Compact, Portable, Lightweight and Self-contained***
- ***For Isolating Sensitive Research Studies from a Hostile Exterior Environment***
- ***The Front Slopes Viewing Panel Minimizes Glare***

* Light Weight and Easy to move from Lab to Lab
* Excellent Viewing & Air Tight Structure
* Vacuum Gauge on Main Chamber and Transfer Chamber
* Foot S/W for Internal Pressure Regulation
* The Main Chamber Foot Switch can be Used to Effectively Control Internal Humidity and Oxygen

Specifications & Ordering information

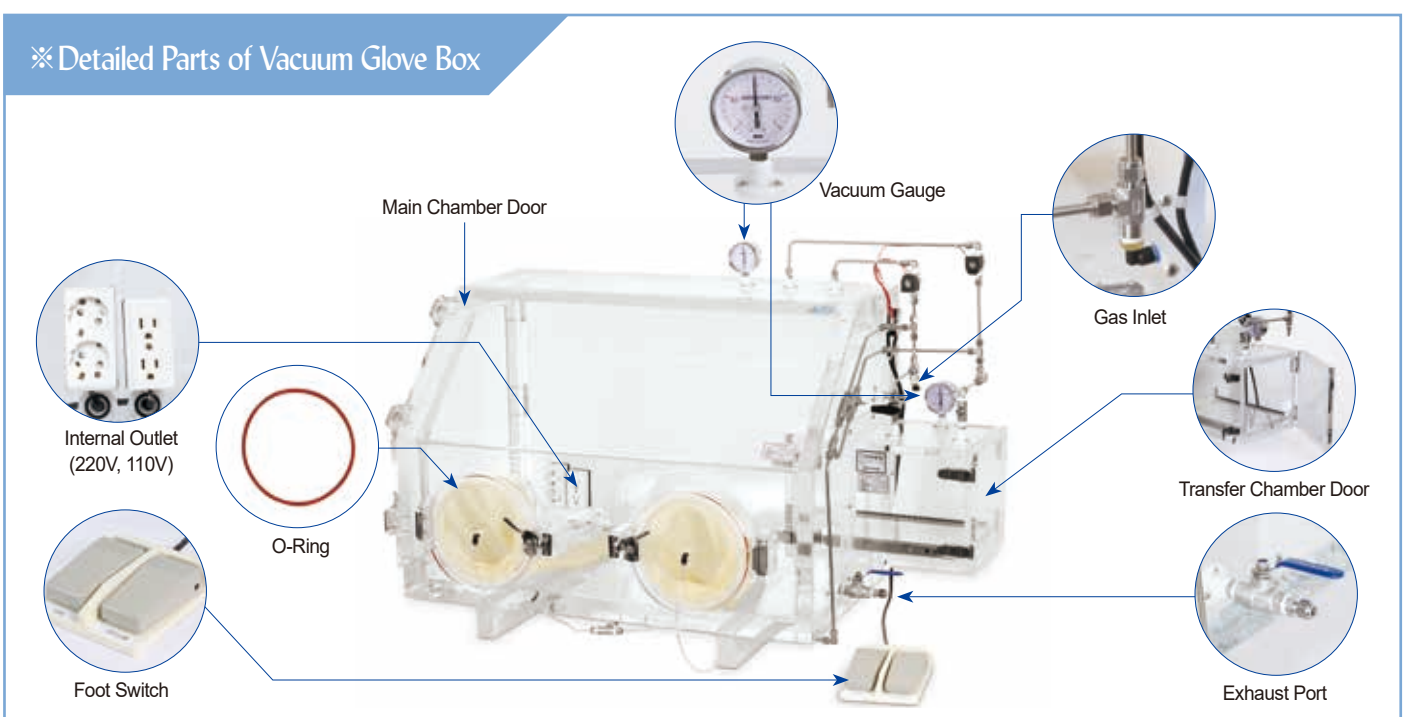
<L2>

Spec. \ Model		"GLOB220" 212 Lit
Main Chamber (w×d×h)	Outer D.	1,000×580×700mm
	Inner D.	840×500×550mm
	Thickness	40mm
Transfer Chamber (w×d×h)	Outer D.	390×250×250mm
	Inner D.	350×210×185mm
	Thickness	20mm
Material		PMMA(Polymethyl Methacrylate Resin)
Vacuum Gauge		-1 to 1 Bar
Vacuum Pressure		Main Chamber : 1Torr, Pass Box : 1Torr
Vacuum Outlet		O.D. Φ9mm
Gas Inlet		One touch Fitting, 1Ea.(I.D. Φ6mm)
Electric Outlet		2×220V and 2×110V
Gloves		Natural Rubber Gloves, L640mm, 0.4mm thick
Glove Port		2Ports, 8"(Φ203mm)
Weight		137 kg
Cat. No.		DH.GloB220
Price, Each. ₩		12,199,000

Spare Gloves

		Pair. Price, ₩
SL.Glo6623	(1) High Grade Natural Rubber Glove, 8"(Φ200mm), L780mm, 0.6mm thick	119,890

※Detailed Parts of Vacuum Glove Box



※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description

SAUTER® Digital Professional Shore Hardness Tester Set "HD", Measurement of Penetration, Hardness-type Shore A · Shore 0 · Shore D With Large · Display Backlight · Hand Carrying Case, High Precise, 디지털 프로페셔널 쇼어 경도측정기 세트



■ ***Supplied by SAUTER® in Germany***

■ ***A Pin Made of Hardened Metal and of a Defined Shape is Held by a Spring and is then Pushed into the Test Item. Depending on the Depth of the Penetration, the Material Tested is either Harder and Softer.***

∗ Shore A : Suitable for Rubber, Elastomers, Neoprene, Silicone, Vinyl, Soft Plastics, Felt, Leather and Similar Material
Shore D : Suitable for Plastics, Formica, Epoxides, Plexiglass etc.
Shore A0 : Suitable for Foam, Sponge etc.

∗ Particularly Recommended for Internal Comparison Measurement. Standard Calibrations e. g. to DIN 7619-1 are not Possible, Because of Very Narrow Standard Tolerance

∗ Tolerance : 1 % of [Max]
∗ Permissible Ambient Temperature 0℃~50℃
∗ Measuring Frequency : 30 Display updates Per Minute
∗ Material Thickness of the Sample, Min. 4 mm
∗ Optional Software and RS-232 Cable : Transfer Via RS-232 to the PC for Recording, Printing and Microsoft Excel®
∗ Complete Set : Main Unit + Test Block + Operation Manual + Carrying Case
∗ Battery : 2×1.5 Volts "AAA"

Specifications & Ordering information

‹L1›

Cat. No.	Hardness type	Measuring Range Max HS	Readout d HS	Dimensions & Weight (mm/g)	Set. Price, ₩
SA.HDA100.1	Shore A	100 HA	0.1 HA	65×38×h162 mm / 173g	789,130
SA.HD0100.1	Shore 0	100 H0	0.1 H0		789,130
SA.HDD100.1	Shore D	100 HD	0.1 HD		789,130

Optional Comparison Plates and Software Set

		Ea. Price, ₩
SA.AHBA.01	**Optional** ; 7 Hardness Comparison Plates for Shore A, Tolerance up to ±2 HA	202,790
SA.AHBD.01	; 3 Hardness Comparison Plates for Shore D, Tolerance up to ±2 HA	164,190
SA.ATC.01	; Data Transfer Software and RS-232 Cable Set	193,150
SA.TI.ACL	; Test Stand for HDA and HD0	685,780
SA.TI.DL	; Test Stand for HDD	836,080



※ Optional Level Operated Test Stand : Please See "SA.TI.ACL, SA.TI.DL" on the Next Page!

SAUTER® Analog Compact Handheld Shore Hardness Tester Set "HB", Measurement of Penetration, Hardness-type Shore A · Shore A0 · Shore D With Drag Indicator & Hand Carrying Case, Measuring Tips are not Interchangeable, 아날로그 컴팩트 쇼어 경도측정기 세트



■ ***Supplied by SAUTER® in Germany***

■ ***Tips Made of Hardened Metal and of a Defined Shape is Held by a Spring and is then Pushed into the Test Item. Depending on the Depth of the Penetration, the Material Tested is either Harder and Softer.***

∗ Shore A : Suitable for Rubber, Elastomers, Neoprene, Silicone, Vinyl, Soft Plastics, Felt, Leather and Similar Material
Shore D : Suitable for Plastics, Formica, Epoxides, Plexiglass etc.
Shore A0 : Suitable for Foam, Sponge etc.

∗ Particularly Recommended for Internal Comparison Measurement. Standard Calibrations e. g. to DIN 7619-1 are not Possible, Because of Very Narrow Standard Tolerance

∗ Tolerance : 3 % of [Max]
∗ Material Thickness of the Sample, Min. 4 mm
∗ Max Mode : Record the Peak-value Using the Drag Pointer
∗ Complete Set : ① Hardness Tester, ② Test Block, ③ Manual, ④ Carrying Case



Carrying Case

Specifications & Ordering information

‹L1›

Cat. No.	Hardness type	Measuring Range Max HS	Readout d HS	Dimensions & Weight (mm/g)	Set. Price, ₩
SA.HBA100.0	Shore A	0~100 HA	1.0 HA	60×25×h115 mm / 160g	227,330
SA.HB0100.0	Shore A0	0~100 HA0	1.0 HA0		282,020
SA.HBD100.0	Shore D	0~100 HD	1.0 HD		313,770

Optional Comparison Plates and Software Set

		Ea. Price, ₩
SA.AHBA.01	**Optional** ; 7 Hardness Comparison Plates for Shore A, Tolerance up to ±2 HA	202,790
SA.AHBD.01	; 3 Hardness Comparison Plates for Shore D, Tolerance up to ±2 HA	164,190
SA.TI.AC	; Test Stand for HBA and HB0	507,300
SA.TI.D	; Test Stand for HBD	666,990



※ Optional Level Operated Test Stand : Please See "SA.TI.ACL, SA.TI.DL" on the Next Page!

Articles	Cat. No	Description

SAUTER® Optional Lever Operated Test Stand, for Hardness Testing with Base Glass Plate, 정밀 조정 경도시험 스탠드







Figure ; Test Stand with Shore Hardness Tester

■ ***Supplied by SAUTER® in Germany***
■ ***Combined with this Stand, Tests can be Performed more Stable and Accurate, up to 25%***
∗ Screw to Screw on to the TI : M7 Fine Thread
∗ Robust Design for Precise Measuring
∗ Glass Plate : High Measurement Accuracy by means of Superior Hardness of the Glass Plate

Specifications & Ordering information

‹L1›

Cat. No.	Suitable for	Length of column (mm)	Control Weight (kg)	Dimensions & Weight (mm/g)	Ea. Price, ₩
SA.TI.AC	SA.HBA100.0 SA.HB0100.0	245 mm	1 kg	150×110×h330 mm / 4.5 kg	507,300
SA.TI.D	SA.HBD100.0		5 kg	150×110×h400 mm / 8.5 kg	666,990
SA.TI.ACL	SA.HDA100.1 SA.HD0100.1	300 mm	1 kg	150×110×h380 mm / 4.5 kg	685,780
SA.TI.DL	SA.HDD100.1		5 kg	150×110×h450 mm / 8.5 kg	836,080

SAUTER® Premium Mobile Leeb Hardness Tester Set "HK-DB", for All Metallic Samples, with Type-D External Impact Sensor
Measurement Value HRA · HRB · HRC · HB · HL · HS · HV, with Hardness Test Block & Hand Carrying Case, 프리미엄 리브 경도측정기, 테스트 블록 포함



Premium Mobile Leeb Hardness Tester for Metal



Fig. ; Hardness Comparison Block (Included)



Carrying Case

■ ***Supplied by SAUTER® in Germany***
■ ***The Rebound of Impact Body Leads to a Deformation of the Upper Surface, which Result in a Loss of Kinetic Energy. This Loss of Energy is Determine by Measuring the Speed and here from the Leeb Hardness Value(HL) is Calculated.***
∗ Measurement Value Display: Rockwell (HRA, HRB, HRC), Vickers (HV), Shore (HS), Leeb (HL) and Brinell (HB)
∗ Internal Memory for up to 600 Data Groups, with up to 32 Values per Group Forming the Average Value of the Group
∗ Mini Statistics Function : Displays the Measured Result, the Average Value, the Impact Direction, Date and Time
∗ The Measuring Result is Automatically Converted into All Hardness Unit
∗ Measuring with Tolerance Range : Upper and Lower Limiting can be Programmed Individually
∗ With USB Interface : Multiple Communication Modes are Adapted to Meet Customized Requirements of Various Users
∗ Required Minimum Specification of Sample : Thickness 8mm, Weight 3kg and Radius 50 mm (with Support Ring : 10 mm)
∗ Including Hardness Test Block, Hardness Approx. 800 HLD
∗ Precision : ±1 % at 800 HLD
∗ All Measurement Directions Possible 360°
∗ External Impact Sensor Standard (Type D)
∗ Battery : 2×1.5 V AA, Operating Time up to 200 hours
∗ Permissible Ambient Temperature -10℃+40℃
∗ Complete Set : Main Unit + D-type Sensor + Supporting Ring + Clean Brush +Screw Driver + Hardness Test Block + Communication Cable

Specifications & Ordering information

‹L1›

Cat. No.	Sensor	Measuring Range Max (HL)	Readout d (HL)	Dimensions & Weight (mm/g)	Set. Price, ₩
SA.HK.DB	Type D	170-960 HL	1 HL	31×82×h132 mm / 0.45kg	2,855,840

Optional Accessories

		Ea. Price, ₩
SA.AHMR.01	**Optional** ; Support Rings for Secure Positioning	695,190
SA.AHMO.D01	; Impact Body Type D, Net Weight Approx. 5,5g, Hardness ≥ 1600 HV, Tungsten Carbide, Impact Ball Φ3 mm, in Accordance with the Standard ASTM A956-02	222,130
SA.AHMR.D	; External Impact Sensor Type D, SAUTER	560,120
SA.HMO.A04	; Connection Cable Hardness Tester / Impact Sensor	216,070
SA.AHMO.D02	; Test Block Type D/DC, Φ90 mm (±1 mm), Net Weight < 3kg, Hardness Range 790±40 HL	395,940
SA.AHMO.D03	; Test Block Type D/DC, Φ90 mm (±1 mm), Net Weight < 3kg, Hardness Range 630±40 HL	395,940
SA.AHMO.D04	; Test Block Type D/DC, Φ90 mm (±1 mm), Net Weight < 3kg, Hardness Range 530±40 HL	395,940

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description

SAUTER® Advanced Mobile Leeb Hardness Tester Set "HMM", for All Metallic Samples, with Type-D External Impact Sensor

Measurement Value MPa · HRB · HRC · HB · HL · HSD · HV, with Hardness Test Block & Hand Carrying Case, **고급 리브 경도측정기 세트, 테스트 블록 포함**



Advanced Mobile Leeb Hardness Tester for Metal



Figure ; Test Block for Calibration (Included)



Carrying Case

■ ***Supplied by SAUTER® in Germany***

■ ***The Rebound of Impact Body Leads to a Deformation of the Upper Surface, which Result in a Loss of Kinetic Energy. This Loss of Energy is Determine by Measuring the Speed and here from the Leeb Hardness Value(HL) is Calculated.***

∗ Measurement Value Display : Rockwell (HRB, HRC), Vickers (HV), Brinell (HB), Shore (HSD), Leeb (HL) and Tensile Strength (MPa)
∗ Internal Memory for up to 9 Data Groups, with up to 9 Values per Group Forming the Average Value of the Group
∗ The Measuring Result is Automatically Converted into All Hardness Unit.
∗ Required Minimum Specification of Sample : Thickness 8mm, Weight 3kg and Radius 50 mm (with Support Ring : 10 mm)
∗ Including Hardness Test Block, Hardness Approx. 790±40 HL
∗ Precision : 1 % at 800 HLD (±6 HLD)
∗ Measuring Range Tensile Strength : 375-2639 MPa (steel)
∗ All Measurement Directions Possible 360°
∗ Battery : 3×1.5 V AAA, Operating Time up to 30 hours
∗ Complete Set : Main Unit + D-type Sensor + Supporting Ring + Clean Brush + Charger + Hardness Test Block + Manual + Hand Carrying Case

Specifications & Ordering information

〈L1〉

Cat. No.	Sensor	Measuring Range Max HL	Readout d HL	Dimensions & Weight (mm/kg)	Set. Price, ₩
SA.HMM.NP	Type D	170-960	1	150×30×h80 mm / 0.2kg	1,991,580

Optional Accessories

		Ea. Price, ₩
SA.HMM.A02	**Optional ;** Connection Cable, without Impact Sensor	315,040
SA.AHMR.01	; Attachment Rings for Secure Positioning	695,190
SA.AHMO.D01	; Impact Body	222,130
SA.AHMO.D02	; Test Block Type D/DC, Φ90 mm (±1 mm), Net Weight 〈 3 kg, Hardness Range 790±40 HL	395,940
SA.AHMO.D03	; Test Block Type D/DC, Φ90 mm (±1 mm), Net Weight 〈 3 kg, Hardness Range 630±40 HL	395,940
SA.AHMO.D04	; Test Block Type D/DC, Φ90 mm (±1 mm), Net Weight 〈 3 kg, Hardness Range 530±40 HL	395,940

Articles	Cat. No	Description

DAIHAN® High-performance Compact-size Heating Block/Dry Bath Incubator "HB-48", up to 150℃, ±0.1℃

With Large LCD Display, Fuzzy Control, Molded Heater, Modular Anodized Aluminum Blocks, Touch-button Controller

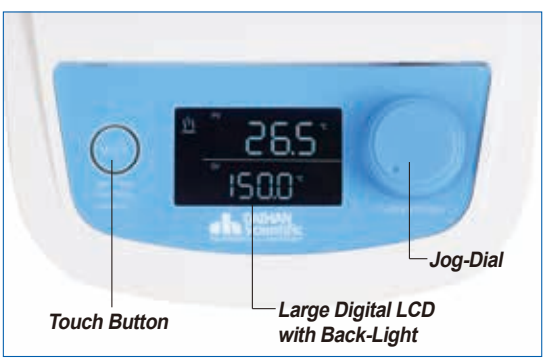
히팅 블록, 디지털 퍼지 컨트롤 시스템, 터치버튼식 조절기, 일체형 주물 히터, 블록 교체 가능, 블록 추출용 공구 포함



Heating Block/Dry Bath "HB-48-SET"

- ■ *Supplied by DAIHAN Korea* ■ *CE Certified* ■ *PL (Product Liability) Insurance*
- ■ *with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System*
- ■ *Designed for Multi-functional Dry Block Heater* ■ *Ergonomic Design*
- ■ *Patented Jog-Dial and Main Touch Button - Best Durability, Best Mobility, Best Convenient to Operate with Large Back-Light LCD*
- ■ *With a Screw-type Block Removal Tool ; Convenient Handling*

* High-performance Molded Heater ensures Best Temperature Accuracy.
* Internal Bath Material(PPS) ensures Best Heat Insulation * Rapid heat up time.
* Ideal for Enzyme Reactions, Inactivation of Sera, Incubation and Other Laboratory Procedures
* Precise Temperature Control : ±0.1℃ at 37℃, ±0.2℃ at 90℃, ±0.4℃ at 135℃
* User Self-Compensation Function to offset between Actual and Displayed Temperature. (±10.0℃)
* Digital Timer Included : up to 99hr 59min (Operation Time + Delay Time)
* Storage Function of Temperature and Timer setting values
* Convenient integral timer for time-sensitive incubations
* Alarm Function : Error Status and Timer-end * Easy to Read, Wide LCD Screen
* Locking Mode Supported for Experimental Safety (Input to Jog-Dial can be Disabled)
* Easily calibrated for accurate temperature control and display



Controller of "HB-48"



Included Block (3) "BLC 548" 48holes for 1.5/2㎖ & Removal Tool

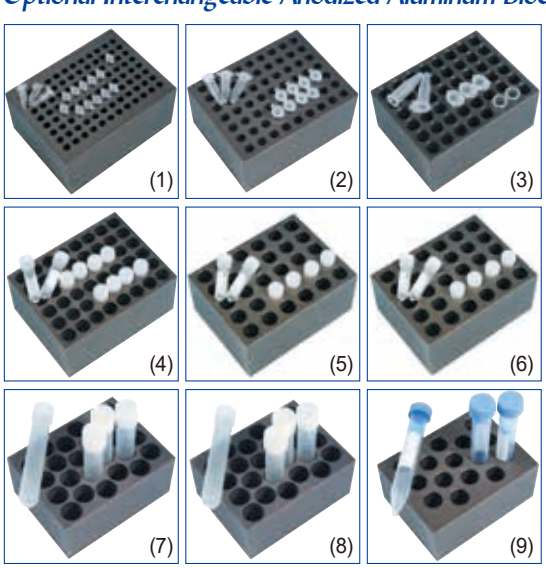
Specifications & Ordering information

〈L1〉

Spec. \ Model	"HB-48" (Only Unit)	"HB-48-SET" (includes Standard Block)
Controller	Single Digital Fuzzy Controller	
Useful Block	Interchangeable Block(90×120×h60mm) for Various Tubes	
included Standard Block	None(Only Heating Block Unit)	48 holes×for 1.5/ 2㎖ Centri. Tube
Heater	Molded Heater(300W)	
Dimension	Unit : 178×226×h138mm, Block : 90×120×h60mm	
Temp Range, & Accuracy	Ambient +5℃~150℃, ±0.1℃ at 37℃, ±0.2℃ at 90℃, ±0.4℃ at 135℃	
Heat-Up Speed & Sensor	Approx. 5℃/min, PT100	
Safety Circuit	Over Temp and Over Current Protector, Sensor Error Detector	
Timer with Alarm	99hr 59min, Alarm (Error Status and Timer - end)	
Display	Digital LCD with Back-Light Function	
Material	Unit : PPS & BAS(HF380), Block : Anodized Aluminum	
Included Standard Acce.	Block Extraction Tool	
Packing Size & Gross Weight	230×290×h245mm, 2.2kg	230×355×h245mm, 3.5kg
Power Consumption	300 W	
Electric Reqts.	1 Phase, AC 120V, 60Hz or AC 230V, 50 / 60Hz	
Cat. No. 230V	DH.WHB02000	DH.WHB02100
Cat. No. 120V	DH.WHB02001	DH.WHB02101
Price, Each. ₩	404,000	535,000

* Other Specifications are available upon Customer's Request.

Optional Interchangeable Anodized Aluminum Block (90×120×h60mm)



		Ea. Price, ₩
DH.WHB510596	(1) for 0.2㎖ PCR Tube, (Φ6×h16mm)×96 holes, **"BLC596"**	211,300
DH.WHB510570	(2) for 0.5㎖ Centri. Tube, (Φ7.7×h29.5mm)×63 holes, **"BLC570"**	181,300
DH.WHB511548	(3) for 1.5/2㎖ Centri. Tube, (Φ11×h35mm)×48 holes, **"BLC548"** (* included in the "HB-48-SET")	171,300
DH.WHB521248	(4) for Φ12mm Test Tube, (Φ12×h35mm)×48 holes, **"BLT248"**	171,300
DH.WHB521335	(5) for Φ13mm Test Tube, (Φ13×h47mm)×30 holes, **"BLT335"**	171,300
DH.WHB521535	(6) for Φ15mm Test Tube, (Φ15×h47mm)×30 holes, **"BLT535"**	171,300
DH.WHB521628	(7) for Φ16.5mm Test Tube, (Φ16.5×h47mm)×24 holes, **"BLT628"**	167,500
DH.WHB521828	(8) for Φ18mm Test Tube, (Φ18×h47mm)×24 holes, **"BLT828"**	167,500
DH.WHB531515	(9) for 15㎖ Conical Tube, (Φ16×h47mm)×15 holes, **"BLC515"**	161,300
DH.WHB535008	(10) for 50㎖ Conical Tube, (Φ28.7×h47mm)×8 holes, **"BLC008"**	161,300
DH.WHB500102	(11) **Spare ;** Block Removal Tool, Easy Handling	5,000

※ The Price(VAT is extra) for Korean End-user, and Changeable.

DAIHAN® High-performance Heating Block/Dry Bath Incubator "HB-96D", Dual-type

With Fuzzy Control, Molded Heater, Modular Anodized Aluminum Blocks, Acrylic Lid, Touch-button Controller, up to 150℃, ±0.1℃

히팅 블록, 디지털 퍼지 컨트롤 시스템, 듀얼 조절기/블록, 일체형 주물 히터, 블록 교체 가능, 아크릴 리드 & 블록용 집게 포함



Heating Block/Dry Bath, Dual Control System "HB-96D-SET"



(3) "BLC548"



(11) "BLE101"

Included Anodized Aluminum Block & Tongs

- ***Supplied by DAIHAN Korea*** ■ ***CE Certified*** ■ ***PL (Product Liability) Insurance***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
- ***Designed for Multi-functional Dry Block Heater***
- ***Dual Controller & Block***
- ***Patented Jog-Shuttle Control System and Digital LCD with Back-Light Function***

∗ Ideal for Enzyme Reactions, Inactivation of Sera, Incubation and Other Laboratory Procedures
∗ Precise Temperature Control : ±0.1℃ at 37℃, ±0.2℃ at 90℃, ±0.4℃ at 135℃
∗ User Self-Compensation Function to offset between Actual and Displayed Temperature. (±10.0℃)
∗ Over Temperature & Over Current Protection and Sensor Error Detection
∗ Digital Timer Included : up to 99hr 59min (Operation Time + Delay Time)
∗ Storage Function of Temperature and Timer setting values ∗ Modular Block
∗ Alarm Function : Error Status and Timer-end ∗ Various kind of Blocks are offered (Optional)
∗ Locking Mode Supported for Experimental Safety (Input to Jog-Shuttle can be Disabled)
∗ The Block Extraction Tongs and Included for Easy Handling

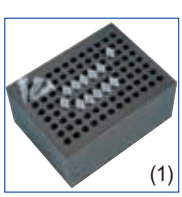
Specifications & Ordering information

<L1>

Spec. \ Model	"HB-96D" (Only Unit)	"HB-96D-SET" (included Standard Block)
Controller	Dual Digital Fuzzy Controller	
Useful Block	Interchangeable Block(90×120×h60mm) for Various Tubes	
included Standard Block	None(Only Heating Block Unit)	2×48 holes×for 1.5/ 2ml Centri. Tube
Heater	Molded Heater(300W)×2ea	
Dimension(mm)	Unit : 285×250×h155, Block : (90×120×h60)×2ea	
Temp Range, & Accuracy	Ambient +5℃ to 150℃, ±0.1℃ at 37℃, ±0.2℃ at 90℃, ±0.4℃ at 135℃	
Heat-Up Speed & Sensor	Approx. 5℃/min, PT100	
Safety Circuit	Over Temp and Over Current Protector, Sensor Error Detector	
Timer with Alarm	99hr 59min, Alarm (Error Status and Timer - end)	
Display	Digital LCD with Back-Light Function	
Material	Unit : Stainless-steel (#304) & Powder Coated steel, Block : Anodized Aluminum	
Included Standard Acce.	Block Tongs "BLE101" and Block Cover	
Packing Size & Gross Weight	400×270×h200 mm, 6 kg	
Power Consumption	600 W	
Electric Reqts.	1 Phase, AC 120V, 60Hz or AC 230V, 50 / 60Hz	
Cat. No. 230V	DH.WHB00198	DH.WHB00199
Cat. No. 120V	DH.WHB02198	DH.WHB02199
Price, Each. ₩	759,000	1,039,000

∗ Other Specifications are available upon Customer's Request.

Optional Interchangeable Anodized Aluminum Block (90×120×h60mm)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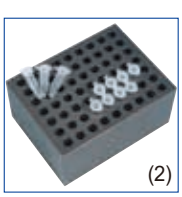
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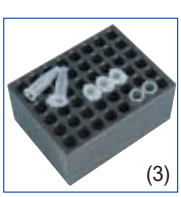
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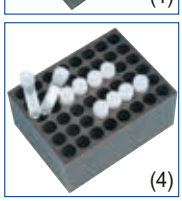
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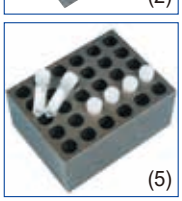
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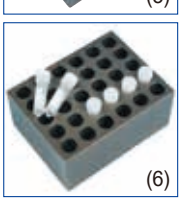
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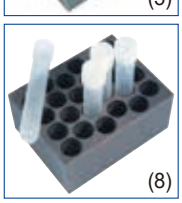
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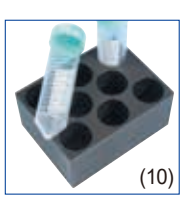
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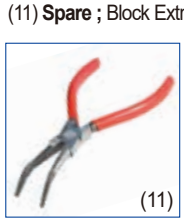

(11)

		Ea. Price, ₩
DH.WHB510596	(1) for 0.2㎖ PCR Tube, (Φ6×h16mm)×96 holes, **"BLC596"**	211,300
DH.WHB510570	(2) for 0.5㎖ Centri. Tube, (Φ7.7×h29.5mm)×63 holes, **"BLC570"**	181,300
DH.WHB511548	(3) for 1.5/2㎖ Centri. Tube, (Φ11×h35mm)×48 holes, **"BLC548"** (∗ included in the "HB-96D-SET")	171,300
DH.WHB521248	(4) for Φ12mm Test Tube, (Φ12×h35mm)×48 holes, **"BLT248"**	171,300
DH.WHB521335	(5) for Φ13mm Test Tube, (Φ13×h47mm)×30 holes, **"BLT335"**	171,300
DH.WHB521535	(6) for Φ15mm Test Tube, (Φ15×h47mm)×30 holes, **"BLT535"**	171,300
DH.WHB521628	(7) for Φ16.5mm Test Tube, (Φ16.5×h47mm)×24 holes, **"BLT628"**	167,500
DH.WHB521828	(8) for Φ18mm Test Tube, (Φ18×h47mm)×24 holes, **"BLT828"**	167,500
DH.WHB531515	(9) for 15㎖ Conical Tube, (Φ16×h47mm)×15 holes, **"BLC515"**	161,300
DH.WHB535008	(10) for 50㎖ Conical Tube, (Φ28.7×h47mm)×8 holes, **"BLC008"**	161,300
DH.WHB500101	(11) **Spare ;** Block Extraction Tongs, **"BLE101"**	21,300

Articles	Cat. No	Description

DAIHAN® High-performance Heating Block/Dry Bath Incubator-Heating & Cooling "HB-R48"

With Digital PID Control, Acrylic Lid, Precise Temperature Control, Modular Anodized Aluminum Block, −5℃+95℃, ±0.1℃

Peltier Cooling System, Digital Timer, Interchangeable Blocks, 히팅/쿨링 블록, 블록 교체 가능, 아크릴 리드 & 블록용 집게 포함

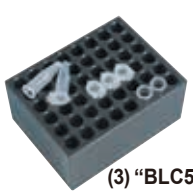
CE

−5℃+95℃



2-Year Warranty

"HB-R48-SET"
with Block "BLC548" for 1.5/2㎖ Centrifuge Tube×48 holes


(3) "BLC548"


(11) "BLE101"

Included Anodized Aluminum Block & Tongs

- *Supplied by DAIHAN Korea* ■ *CE Certified* ■ *PL (Product Liability) Insurance*
- *with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System*
- *Designed for Multi-Function : Enzyme Reactions, Inactivation of Sera, Incubation and Other Laboratory Procedures.*
- *Patented Jog-Shuttle Control System and Digital LCD with Back-Light Function*

∗ User Self-Compensation Function to offset between Actual and Displayed Temperature. (±10.0℃)
∗ Storage Function of Temperature and Timer setting values
∗ Locking Mode Supported for Experimental Safety (Input to Jog-Shuttle can be Disabled)

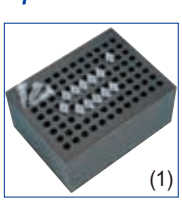
Specifications & Ordering information

〈L1〉

Spec. \ Model		"HB-R48" (Only Unit)	"HB-R48-SET" (included Standard Block)
Controller		Digital Fuzzy Controller	
Useful Block		Interchangeable Block(90×120×h60mm) for Various Tubes	
included Standard Block		None(Only Heating Block Unit)	48 holes×for 1.5/ 2㎖ Centri. Tube
Dimension : Unit & Block		185×230×h220mm, and 90×120×h60mm	
Cooling		Two Peltier Modules	
Cool-Down Speed		2.3℃/min. between 95℃ to 25℃, 0.5℃/min. between 25℃ to -5℃	
Heater and Sensor		300W (Molded Heater), PT100	
Temp Range, & Accuracy		−5℃ to 95℃, and ±0.1℃ at 37℃, ±0.2℃ at 90℃	
Heat-Up Speed		Approx. 5℃/min	
Safety Device		Over Temp and Over Current Protector, Sensor Error Detector	
Timer with Alarm		99hr 59min, Alarm (Error Status and Timer - end)	
Display		Digital LCD with Back-Light Function	
Material	Internal & External	Stainless steel (#304), and Powder Coated steel	
	Block	Anodized Aluminum	
Included Standard Acce.		Block Tongs "BLE101" and Block Cover	
Packing Size, Gross Weight		350×220×h310mm, 9 kg	
Power Consumption		450 W	
Electric Reqts.		1 Phase, AC 120V, 60Hz or AC 230V, 50 / 60Hz	
Cat. No.	230V	DH.WHB00248	DH.WHB00249
	120V	DH.WHB02248	DH.WHB02249
Price, Each. ₩		805,000	944,000

∗ Other Specifications are available upon Customer's Request.

Optional Interchangeable Anodized Aluminum Block (90×120×h60mm)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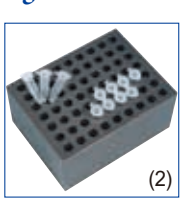
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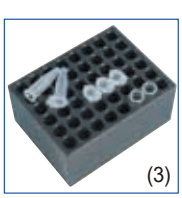
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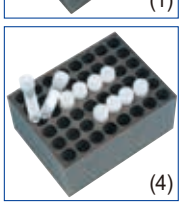
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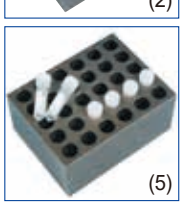
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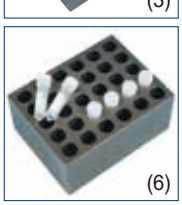
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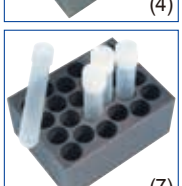
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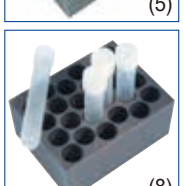
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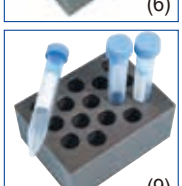

(9)


(10)


(11)

		Ea. Price, ₩
DH.WHB510596	(1) for 0.2㎖ PCR Tube, (Φ6×h16mm)×96 holes, **"BLC596"**	211,300
DH.WHB510570	(2) for 0.5㎖ Centri. Tube, (Φ7.7×h29.5mm)×63 holes, **"BLC570"**	181,300
DH.WHB511548	(3) for 1.5/2㎖ Centri. Tube, (Φ11×h35mm)×48 holes, **"BLC548"** (∗ included in the "HB-R48-SET")	171,300
DH.WHB521248	(4) for Φ12mm Test Tube, (Φ12×h35mm)×48 holes, **"BLT248"**	171,300
DH.WHB521335	(5) for Φ13mm Test Tube, (Φ13×h47mm)×30 holes, **"BLT335"**	171,300
DH.WHB521535	(6) for Φ15mm Test Tube, (Φ15×h47mm)×30 holes, **"BLT535"**	171,300
DH.WHB521628	(7) for Φ16.5mm Test Tube, (Φ16.5×h47mm)×24 holes, **"BLT628"**	167,500
DH.WHB521828	(8) for Φ18mm Test Tube, (Φ18×h47mm)×24 holes, **"BLT828"**	167,500
DH.WHB531515	(9) for 15㎖ Conical Tube, (Φ16×h47mm)×15 holes, **"BLC515"**	161,300
DH.WHB535008	(10) for 50㎖ Conical Tube, (Φ28.7×h47mm)×8 holes, **"BLC008"**	161,300
DH.WHB500101	(11) **Spare ;** Block Extraction Tongs, **"BLE101"**	21,300

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description

DAIHAN® Precise Mixed Heating Block/Dry Bath Incubator "HB-M24", Mixing Freq. 200~1500rpm

With Standard Aluminum Block, Magnet Adhesion Technology, Lid for Heat Preservation, 15℃~100℃, ±0.5℃, Up to 1500rpm

히팅 & 믹싱 블록, TFT 디스플레이, 마그넷 블록 간편 탈부착 기능, 기본 블록(1.5/2㎖ Tubes×24 holes용) 포함

NEW

CE



- ***Supplied by DAIHAN Korea***
- ***정확하고 효율적인 가열 및 혼합은 물론 탁월한 온도 정확성과 균일성을 보장***
- ***유전자 합성, 유전자 및 단백질 변성, 효소 반응, 세균 성장 등과 같은 광범위한 응용 분야에 사용 가능***
- ***공구의 도움 없이 자기접착기술로 쉽고 빠르게 블록 교체를 가능하게 함***
- ***CE Certified***
- ***Allow for Precise and Efficient Heating and Mixing, as well as Excellent Temperature Accuracy and Uniformity***
- ***Compatible for a Wide Range of Applications, such as Gene Synthesis, Gene and Protein Denaturation, Enzymatic Reaction, Bacterial Growth, &c***
- ***Precise Temperature Control for Heating***
- ***Flexible Adapter Selection.***
- ***Quick Interchange of Blocks with Magnet Adhesion Technology without any Tools***

∗ Programmable ∗ Excellent Mixing Result
∗ Stable and Wide Range of Speed Adjustment ∗ Compatible with Various Tubes
∗ Block Equipped with a Lid for Heat Preservation ∗ Three-point Temperature Calibration
∗ Including Heating Block for 1.5/2㎖ Tubes (24-Holes)



(1) 1.5/2㎖ Tubes×24 holes (Included Standard Block)



(2) 0.5㎖ Tubes×24 holes



(3) 5㎖ Tubes×8 holes (Round Bottom)



(4) 5㎖ Tubes×8 holes (Cone Bottom)



(5) 15㎖ Tubes×8 holes



(6) 50㎖ Tubes×4 holes



(7) PCR Plate, 0.2㎖ Tubes×96 holes



(8) Microplate

Specifications & Ordering information

〈L1〉

Spec. \ Model	"HB-M24" (Included Standard Block)
Functions	Heating & Mixing
Mixing Frequency	200 ~ 1500rpm
Included Standard Block	1.5/2㎖ Tubes×24 holes, 1500rpm, hole Φ10.9×30.8mm
Temperature Range	Room Temp ~ 100℃
Temperature Setting Range Specifications	15℃ ~ 100℃
Temperature Control Accuracy	±0.5°C at 20℃ ~ 45℃
Temperature Uniformity	±0.5°C at 20℃ ~ 45℃
Max. Heating Rate	5.5℃/min
Mixing Orbit	Φ3mm
Time Setting Range	0 ~ 99h 30min
Program	9
Overheating Protection	150℃
Display	TFT (Thin Film Transistor)
Adapter Block Material	Aluminum
Voltage & Frequency	AC220V-240V & 50/60Hz
Power	200W
Dimension (W ×D× H)	200×235×120mm (without Heating Block)
Weight	7.3kg
Cat. No.	**DH.HBM24**
Price, Each. ₩	1,558,580

∗ **Other Specifications are available upon Customer's Request.**

Optional Interchangeable Aluminum Block

		Ea. Price, ₩
DH.HBM24.B1	(1) **Spare ;** 1.5/2㎖×24 holes Tubes, 1500rpm, hole Φ10.9×30.8mm	265,680
DH.HBM24.B2	(2) 0.5㎖ Tubes×24 holes, 1500rpm, hole Φ8.1×26mm	265,680
DH.HBM24.B3	(3) 5㎖ Tubes×8 holes(Round Bottom), 1500rpm, hole Φ13.6×42mm	301,120
DH.HBM24.B4	(4) 5㎖ Tubes×8 holes(Cone Bottom), 1400rpm, hole Φ17×51.5mm	389,670
DH.HBM24.B5	(5) 15㎖ Tubes×8 holes, 800rpm, hole Φ16.9×80mm	531,350
DH.HBM24.B6	(6) 50㎖ Tubes×4 holes, 600rpm, hole Φ29.6×80mm	442,790
DH.HBM24.B7	(7) PCR Plate, 0.2㎖ Tubes×96 holes, 1500rpm	265,680
DH.HBM24.B8	(8) Microplate, 1500rpm	265,680

Articles	Cat. No	Description

DAIHAN® Precise Mixed Heating Block/Dry Bath Incubator-Cooling "HB-MR24", Mixing Freq. 200~1500rpm

With Standard Aluminum Block, Magnet Adhesion Technology, Lid for Heat Preservation, 0.1℃~100℃, ±0.5℃, Up to 1500rpm

히팅 · 쿨링 · 믹싱 블록, TFT 디스플레이, 마그넷 블록 간편 탈부착 기능, 기본 블록(1.5/2㎖ Tubes×24 holes용) 포함

NEW

CE



- ■ *Supplied by DAIHAN Korea*
- ■ *정확하고 효율적인 가열, 냉각 및 혼합은 물론 탁월한 온도 정확성과 균일성을 보장*
- ■ *유전자 합성, 유전자 및 단백질 변성, 효소 반응, 세균 성장 등과 같은 광범위한 응용 분야에 사용 가능*
- ■ *공구의 도움 없이 자기접착기술로 쉽고 빠르게 블록 교체를 가능하게 함*
- ■ *CE Certified* ■ *Allow for Precise and Efficient Heating, Cooling and Mixing, as well as Excellent Temperature Accuracy and Uniformity*
- ■ *Compatible for a Wide Range of Applications, such as Gene Synthesis, Gene and Protein Denaturation, Enzymatic Reaction, Bacterial Growth, &c*
- ■ *Precise Temperature Control for Heating* ■ *Flexible Adapter Selection*
- ■ *Quick Interchange of Blocks with Magnet Adhesion Technology without any Tools*

∗ Programmable ∗ Excellent Mixing Result
∗ Stable and Wide Range of Speed Adjustment ∗ Compatible with Various Tubes
∗ Block Equipped with a Lid for Heat Preservation ∗ Three-point Temperature Calibration
∗ Including Heating Block for 1.5/2㎖ Tubes (24-Holes)



(1) 1.5/2㎖ Tubes×24 holes
(Included Standard Block)



(2) 0.5㎖ Tubes×24 holes



(3) 5㎖ Tubes×8 holes
(Round Bottom)



(4) 5㎖ Tubes×8 holes
(Cone Bottom)



(5) 15㎖ Tubes×8 holes



(6) 50㎖ Tubes×4 holes



(7) PCR Plate,
0.2㎖ Tubes×96 holes



(8) Microplate

Specifications & Ordering information

〈L1〉

Spec. \ Model	"HB-MR24" (Included Standard Block)
Functions	Heating, Cooling & Mixing
Mixing Frequency	200 ~ 1500rpm
Included Standard Block	1.5/2㎖ Tubes×24 holes, 1500rpm, hole Φ10.9×30.8mm
Temperature Range	Heating : Room Temp ~100℃ Cooling : Room Temp ~ Below Room Temp 15℃
Temperature Setting Range Specifications	0.1℃ ~ 100℃
Temperature Control Accuracy	±0.5°C at 20℃ ~ 45℃
Temperature Uniformity	±0.5°C at 20℃ ~ 45℃
Max. Heating Rate	5.5℃/min
Max. Cooling Rate	5℃/min(100℃~Room Temp) 0.5℃/min(Below Room Temp)
Mixing Orbit	Φ3mm
Time Setting Range	0 ~ 99h 30min
Program	9
Overheating Protection	150℃
Display	TFT (Thin Film Transistor)
Adapter Block Material	Aluminum
Voltage & Frequency	AC220V-240V & 50/60Hz
Power	200W
Dimension (W×D× H)	200×235×120mm (without Heating Block)
Weight	7.3kg
Cat. No.	DH.HBMR24
Price, Each. ₩	2,054,470

∗ Other Specifications are available upon Customer's Request.

Optional Interchangeable Aluminum Block

		Ea. Price, ₩
DH.HBM24.B1	(1) **Spare ;** 1.5/2㎖×24 holes Tubes, 1500rpm, hole Φ10.9×30.8mm	265,680
DH.HBM24.B2	(2) 0.5㎖ Tubes×24 holes, 1500rpm, hole Φ8.1×26mm	265,680
DH.HBM24.B3	(3) 5㎖ Tubes×8 holes(Round Bottom), 1500rpm, hole Φ13.6×42mm	301,120
DH.HBM24.B4	(4) 5㎖ Tubes×8 holes(Cone Bottom), 1400rpm, hole Φ17×51.5mm	389,670
DH.HBM24.B5	(5) 15㎖ Tubes×8 holes, 800rpm, hole Φ16.9×80mm	531,350
DH.HBM24.B6	(6) 50㎖ Tubes×4 holes, 600rpm, hole Φ29.6×80mm	442,790
DH.HBM24.B7	(7) PCR Plate, 0.2㎖ Tubes×96 holes, 1500rpm	265,680
DH.HBM24.B8	(8) Microplate, 1500rpm	265,680

※ The Price(VAT is extra) for Korean End-user, and Changeable.

DAIHAN® External/Internal High Temp Bath Circulator 250℃ & Refrigerated/Heating Bath Circulator −35℃+150℃

정밀 고온 배스겸용 써큘레이터와 냉동/가열 배스 겸용 써큘레이터

CE *up to 250℃*



2-Year Warranty

External/Internal High Temp Bath Circulator

CE *−35(−25)℃+150℃*



2-Year Warranty

External/Internal Refrigerated/Heating Bath Circulator

※ See the "Bath Circulators" Section for the Details.

250℃ External/Internal High-temp Bath Circulator, 8 · 12 · 22 · 30 Lit ..... P. 54
−25℃+150℃ External/Internal Refrigerated/Heating Bath Circulator, 8 · 12 · 22 · 30 Lit ..... P. 55
−35℃+150℃ External/Internal Refrigerated/Heating Bath Circulator, 8 · 12 · 22 · 30 Lit ..... P. 56

NEW



SK™ Best COOL-/HEAT-ing Transfer Fluid, Synthetic Silicone Mixture, −40℃+400℃, 20Lit

For Low/High-Temp Baths, Clearly Harmless Liquid, **냉매/열매 겸용 실리콘계 합성 열매체유**

■ ***Supplied by DAIHAN Korea***
∗ Colorless and Transparent Liquid.

■ ***The Best Circulation Properties / Thermal Stability.***
∗ Do not use for Silicone Tube

(1) SYN THERM 7008®, −40℃+400℃, 저/고온용

∗ Kinematic Viscosity, cSt ⇒ (1) −40℃ : 51.56cSt, (2) 0℃ : 16.08cSt, (3) 100℃ : 3.43cSt, (4) 200℃ : 1.36 cSt ‹L1›
∗ Specific Gravity : 0.9435 at 15℃ ∗ Flash Point(PMCC) : 168℃ ∗ Pour Point : −72℃

		Pk.	Price, ₩
SL.Syn7008	Cool/Heat Transfer Fluid, −40+400℃, 20Lit	20Lit	1,300,000

(2) SUPER THERM FG-20®, −10℃+300℃, 고온용

∗ Food Grade Thermal Medium Oil Satisfying FDA, NSF Standards
∗ Kinematic Viscosity, cSt ⇒ (1) 25℃ : 35.65cSt, (2) 100℃ : 4.23cSt, (3) 200℃ : 1.27 cSt
∗ Specific Gravity : 0.8374 at 15℃ ∗ Flash Point : 230℃ ∗ Pour Point : −15℃

		Pk.	Price, ₩
SL.Fg0020	Cool/Heat Transfer Fluid, −10+300℃, 20Lit	20Lit	320,000



SHL™ SYN THERM 22L® −5℃+320℃ Heating Transfer Fluid

Synthetic Alkylbenzene Derivative, for Low- & High-Temp Circulation, **알킬벤젠계 합성열매**

■ ***Supplied by DAIHAN Korea***
∗ Hazards Identification of MSDS(Material Safety Data Sheet) :
- H315 Causes Skin Irritation
- H319 Causes Serious Eye Irritation
- H335 May Cause Respiratory Irritation
- H336 May Cause Drowsiness or Dizziness

∗ Kinematic Viscosity & Density :
(1) at 0℃ : 22.7cSt, 0.885kg/ℓ (2) at 40℃ : 21.80cSt, 0.859kg/ℓ (3) at 80℃ : 6.09cSt, 0.834kg/ℓ
(4) at 140℃ : 6.09cSt, 0.795kg/ℓ (5) at 200℃ : 1.10cSt, 0.756kg/ℓ (6) at 260℃ : 0.74cSt, 0.718kg/ℓ ‹L1›

		Pk.	Price, ₩
SL.SYN22L	SYN THERM 22L® Heating Transfer Fluid, -5℃+320℃, 20Lit	20Lit	145,000

DAIHAN® −30℃+200℃ Precise Refrigerated Heating External Circulator "CRH", Fill-10 · 18 · 25 Lit

Ideal for Evaporator/Reactor &c. Heating & Cooling Line, with Pre-Cooling Sys, Used with External Direct Contact K-type Temp. Probe(Optional)
With High Quality Magnetic Pump, Flow 20 · 40 · 60 Lit/min, Lift 38m, ±0.2℃, **정밀 고온/냉동 겸용 외부 써큘레이터**



2-Year Warranty

- ■ *Supplied by DAIHAN Korea* ■ *PL(Product Liability) Insurance* ■ *Max. Lift : 38m*
- ■ *with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System*
- ■ *Digital Fuzzy Control System Implementing Superior Temperature Accuracy*
- ■ *Patented Jog-Dial Control System and Digital LCD with Back-Light Function.*

∗ Innovated Powerful Circulation Pump ensures Temp. Uniformity
: Internal and External Circulation (Max Flow Rate : 20 · 40 · 60 Lit/min)
∗ Assembly-type Safety Connection Ports/Pipe
(for Fluid Drain/In/Out-let : ISO RC 1/2" Screw Stainless-steel.)
∗ With High Quality Shock-proof Caster for Convenient and Safe Moving.
∗ Embedded External Nozzle Part for the Prevention of Nozzle Damaged.
∗ Stainless-steel Internal Bath for Prevention of Corrosion.
∗ Independently 3-systems : Refrigerating System, Heating System, Pre-Cooling System.
∗ Urethane Foam Insulation ∗ Warning and Auto-Stop Function in case of Liquid Shortage.
∗ More Faster Cool-down and Heat-up Time ∗ Connection with Evaporator or Viscometer is applicable.
∗ 외부 순환을 위한 추가 커넥터가 필요합니다. (ex. PT 1/2" Hose nipple Connector)





Fig. "CRH" in the Reactor System.

※ Note : Cooling Transfer Fluid Should be an Antifreezing Solution

Specifications & Ordering information

〈L1〉

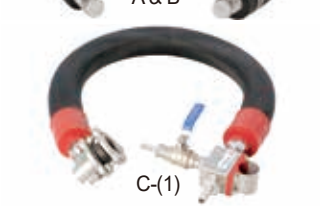
Spec. \ Model		"CRH-20" Useful for 5~20Lit Reactor	"CRH-50" Useful for 20~50Lit Reactor	"CRH-100" Useful for 50~100Lit Reactor
Temp. Range & Stability		−30℃+200℃-Range, ±0.2℃(at 15℃)-Stability		
Heat-Fluid Filling Volume		10 Lit max	18 Lit max	25 Lit max
Useful for 5~100Lit Reactors		for 5~20Lit Reactor	for 20~50Lit Reactor	for 50~100Lit Reactor
Refrigerator Capacity		4.5 kW	7.5 kW	18 kW
Heater		2.5 kW	6.0 kW	12 kW
Lid & Top Opening Dia.		Φ80 mm		
Fluid Drain/In/Outlet Port		ISO RC 1/2" (English System AG 1/2") Thread, Stainless-steel		
Overflow Port		Φ12mm One-Touch Fitting		
Pump Power, Lift Height, m	Max. Flow Rate	20 Lit/min	40 Lit/min	60 Lit/min
	Max. Pressure & Lift	Max Pressure : 4 bar, Max. Lift : 38m		
Cooling Capacity	at +15℃	8.1 kW	13.1 kW	22.7 kW
	at 0℃	4.3 kW	7.3 kW	12.6 kW
	at −25℃	1.4 kW	3.1 kW	5.45 kW
External Dimension		600×850×h1200mm	650×900×h1350mm	750×900×h1450mm
Optional External Temp. Sensor K-type Probe		Can be used with External Direct Contact K-type Temp. Probe. (Optional)		
Material		Internal : Stainless-steel, External : Powder Coated steel		
Electrical Reqts.		3Phase 380V		
Cat. No.	60Hz	DH.WHR0020	DH.WHR0050	DH.WHR0100
	50Hz	DH.WHR0025	DH.WHR0055	DH.WHR0150
Price, Each. ₩		12,018,000	14,108,000	18,810,000

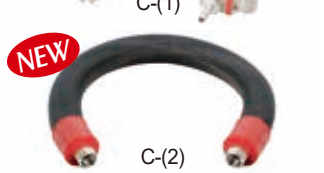
∗ Other Specifications are available upon Customer's Request.

※ 운임 착불

Insulated Circulation Hose, Silicone · Teflon PFA or PTFE · Stainless-steel, Id Φ10~19mm, L1 & 1.5m







■ *Supplied by SciLab Korea* ∗ A & B Φ37mm Black EPDM Foam Insulated ∗ Silicone Vacu-Hose : id 10×od 13mm, id 15×od 20mm, id 18×od 24mm, 200℃ ∗ PFA Hose : id 10×od 12mm ∗ PTFE Hose : id 15×od 16mm, id 19×od 21mm, −100℃+260℃ ∗ Stainless-steel(SS 304) Hose : id 17×od 60mm, 360℃, Silicone Foam & Black Woven Nylon Mesh Insulated

〈L1〉

A. Insulated Silicone Hose, 200℃

		dh	Pk.	Price,₩
SL.Tub4021	Sili-hose, id 10mm, L1m	1m		23,050
SL.Tub4022	, L1.5m	1.5m		26,050
SL.Tub4023	, id 15mm, L1m	1m		30,900
SL.Tub4024	, L1.5m	1.5m		37,530
SL.Tub4025	, id 18mm, L1m	1m		37,800
SL.Tub4026	, L1.5m	1.5m		48,980

B. Insulated PFA or PTFE Hose, 260℃

		dh	Pk.	Price,₩
SL.Tub4031	PFA-hose, id 10mm, L1m	1m		35,080
SL.Tub4032	, L1.5m	1.5m		43,400
SL.Tub4033	PTFE-hose, id 15mm, L1m	1m		36,630
SL.Tub4034	, L1.5m	1.5m		46,400
SL.Tub4035	, id 19mm, L1m	1m		46,330
SL.Tub4036	, L1.5m	1.5m		47,970

C. Best Insulated & Stainless-steel Bellows(Flexible) Hose, SS 304, 360℃

		Ea.	Price,₩
SL.Tub7021	(1) Stainless-steel Bellows Hose, id 17mm, L1m, with Connector		984,890
SL.Tub7021.A01	(2) , for Extension, without Connector *New*		317,150

※ See the Preceding Page for Cooling / Heating Transfer Fluid

※ The Price(VAT is extra) for Korean End-user, and Changeable.

DAIHAN® Aluminum-case Beaker Heating Mantle, (1) Basic & (2) Stirring-type, 450℃, 100~5,000㎖

With Built-in Temp Controller, with/without Mag-stir Speed Control, with Certi. & Traceability

비커용 히팅맨틀, 온도 조절기 내장, "기본형" 및 "자석교반형", Ni-Cr열선 내장

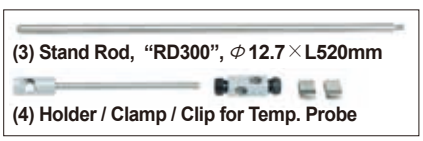
- ***Supplied by DAIHAN Korea***
- ***Ideal for All type Beakers***
- ***Non-magnetic Aluminum Case***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
- ***Built-in Temp-Controller. Nickel-Chrome Heating Element "Coil-type" : Acid Resistant & Long Life Time.***



(1) Basic-type Beaker Mantle with Controller



(2) Stirring-type Beaker Mantle with a Stir-Bar



(3) Stand Rod, "RD300", Φ12.7×L520mm

(4) Holder / Clamp / Clip for Temp. Probe

(1) Basic-type Beaker Mantle, Built-in Temp. Controller

∗ With a Device* for Holding a Optional Stainless-steel Rod Φ12.7mm for Article Support.

〈L1〉

Beakers, ㎖ Dia. Φ mm	Mantle			Catalog No.		Ea. Price, ₩
	Watts (W)	Inside Depth	Outside Φ × h(mm)	230V	120V	
100㎖, Φ50~52	80 W	40 mm	Φ150×h105	**DH.WHM12141**	**DH.WHM12151**	108,000
250㎖, Φ68~70	140 W	65 mm	Φ150×h140	**DH.WHM12142**	**DH.WHM12152**	113,000
400㎖, Φ79~81	240 W	70 mm	Φ150×h140	**DH.WHM12143**	**DH.WHM12153**	118,000
600㎖, Φ88~90	240 W	75 mm	Φ150×h140	**DH.WHM12144**	**DH.WHM12154**	119,000
800㎖, Φ98~100	300 W	90 mm	Φ200×h165	**DH.WHM12145**	**DH.WHM12155**	138,000
1,000㎖, Φ105~108	350 W	90 mm	Φ200×h165	**DH.WHM12146**	**DH.WHM12156**	140,000
2,000㎖, Φ130~132	450 W	125 mm	Φ200×h195	**DH.WHM12147**	**DH.WHM12157**	155,000
3,000㎖, Φ151~153	550 W	160 mm	Φ270×h235	**DH.WHM12148**	**DH.WHM12158**	187,000
4,000㎖, Φ160~162	700 W	160 mm	Φ270×h235	**DH.WHM121481**	**DH.WHM121581**	195,000
5,000㎖, Φ169~171	800 W	160 mm	Φ270×h235	**DH.WHM12149**	**DH.WHM12159**	219,000

(2) Stirring-type Beaker Mantle, Built-in 50~1200rpm Mag-stir Speed & Temp. Controller

∗ With a Device* for Holding a Optional Stainless-steel Rod Φ12.7mm for Article Support.
∗ With 1ea × PTFE Octagonal Magnetic Stirrer Bar, L38mm

Beakers, ㎖ Dia. Φ mm	Mantle			Catalog No.		Ea. Price, ₩
	Watts (W)	Inside Depth	Outside Φ × h(mm)	230V	120V	
100㎖, Φ50~52	80 W	45 mm	Φ150×h140	**DH.WHM121601**	**DH.WHM121611**	305,000
250㎖, Φ68~70	140 W	70 mm	Φ150×h160	**DH.WHM121602**	**DH.WHM121612**	319,000
400㎖, Φ79~81	240 W	70 mm	Φ150×h160	**DH.WHM121603**	**DH.WHM121613**	320,000
600㎖, Φ88~90	240 W	72 mm	Φ150×h160	**DH.WHM121605**	**DH.WHM121615**	325,000
1,000㎖, Φ105~108	350 W	105 mm	Φ200× h195	**DH.WHM121606**	**DH.WHM121616**	330,000
2,000㎖, Φ130~132	450 W	140 mm	Φ200×h255	**DH.WHM121607**	**DH.WHM121617**	358,000
3,000㎖, Φ151~153	550 W	140 mm	Φ270×h235	**DH.WHM121608**	**DH.WHM121618**	365,000
4,000㎖, Φ160~162	700 W	170 mm	Φ325×h270	**DH.WHM121609**	**DH.WHM121619**	444,000
5,000㎖, Φ169~171	800 W	170 mm	Φ325×h270	**DH.WHM121610**	**DH.WHM121620**	444,000

Optional Stainless-steel Rod, Holder & Clamp

		Ea. Price, ₩
DH.WHP503037	(3) Stand Rod, Φ12.7×L520mm, **"RD300",** for Heating Mantles	17,500
DH.WHP503012	(4) Holder / Clamp / Clip, **"CL220",** for Temp. Sensor	30,000

Articles	Cat. No	Description

DAIHAN® Aluminum-case Beaker Heating Mantles, Remote Controlled, 450℃, 100~10,000㎖

For Beaker, with Nickel Chrome Heating Element, K-type Thermo-sensor Integrated, Option-Controller, with Certi. & Traceability

비커용 히팅맨틀, K-type 온도센서와 Ni-Cr 열선 내장, 자력교반기와 사용 가능, 조절기와 외장 온도 프로브 별도

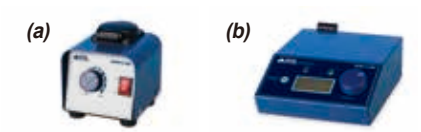
- ***Supplied by DAIHAN Korea*** ■ ***Ideal for Use with Magnetic Stirrer*** ■ ***100~5,000㎖ ; Non-magnetic Aluminum Case, 10Lit ; Powder-coated Steel Case***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
- ***Built-in Temp-Controller. Nickel-Chrome Heating Element "Coil-type" : Acid Resistant & Long Life Time.***
- ***Optional Remote Thermo Controllers are available (Analog : WHM-C10A, Digital : WHM-C10D)***

〈L1〉



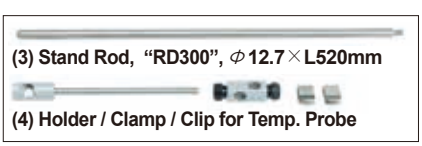
▶ ***Controller ; Option!***

Beakers, ㎖ Dia. Φ mm	Mantle			Catalog No.		Ea. Price, ₩
	Watts (W)	Inside Depth	Outside Φ×h(mm)	230V	120V	
100㎖, Φ50~52	80 W	50 mm	Φ150×h75	**DH.WHM12170**	**DH.WHM12180**	82,000
250㎖, Φ68~70	140 W	50 mm	Φ150×h75	**DH.WHM12171**	**DH.WHM12181**	85,000
400㎖, Φ79~81	240 W	85 mm	Φ150×h110	**DH.WHM12172**	**DH.WHM12182**	90,000
400㎖, Φ76~78	240 W	85 mm	Φ150×h110	**DH.WHM121721**	**DH.WHM121821**	94,000
600㎖, Φ88~90	240 W	85 mm	Φ150×h110	**DH.WHM12173**	**DH.WHM12183**	94,000
800㎖, Φ98~100	300 W	90 mm	Φ150×h110	**DH.WHM12174**	**DH.WHM12184**	108,000
1,000㎖, Φ105~108	350 W	115 mm	Φ200×h140	**DH.WHM12175**	**DH.WHM12185**	113,000
2,000㎖, Φ130~132	450 W	140 mm	Φ200×h165	**DH.WHM12176**	**DH.WHM12186**	129,000
3,000㎖, Φ151~153	550 W	175 mm	Φ270×h200	**DH.WHM12177**	**DH.WHM12187**	152,000
4,000㎖, Φ160~162	700 W	175 mm	Φ270×h200	**DH.WHM12178**	**DH.WHM12188**	154,000
5,000㎖, Φ169~171	800 W	175 mm	Φ270×h200	**DH.WHM12179**	**DH.WHM12189**	178,000
10Lit, Φ216~219	1400 W	245 mm	Φ325×h270	**DH.WHM121791**	**DH.WHM121891**	349,000



Optional Remote Controller

	Cat. No 230V	Cat. No 120V	Ea. Price, ₩
(a) Analog Remote Controller, 5~100% of Rated Voltage, Up to 1.2kW	**DH.WHM13500**	**DH.WHM23500**	139,000
(b) Digital Remote Controller, Ambient +5℃~700℃, ±1℃ Uniformity at Set Temp.	**DH.WHM12500**	**DH.WHM22500**	282,000



Optional Temp. Probe & Stand Rod, Holder, Clamp for Digital Temp. Remote Controller

		Ea. Price, ₩
DH.WHP503040	Direct Contact Temp. Probe, K-type, **"SS300"**, L250×Φ4.8 mm	61,300
DH.WHP503050	, **"SS400"**, L380×Φ4.8 mm	63,800
DH.WHP503041	, **"SS310"**, Teflon Coated, L250×Φ5 mm	101,300
DH.WHP503051	, **"SS410"**, Teflon Coated, L380×Φ5 mm	107,500
DH.WHP503037	(3) Stand Rod, Φ12.7×L520mm, **"RD300"**, for Heating Mantles	17,500
DH.WHP503012	(4) Holder / Clamp / Clip, **"CL220"**, for Temp. Sensor	30,000

DAIHAN® Fabric-Housed Beaker Heating Mantles, Remote Controlled, with Nickel Chrome Heating Element, 450℃, 50~3,000㎖

For Beaker Self-Standing, with Certi. & Traceability, Option-Controller, **비커용 직물케이스 히팅맨틀**, Ni-Cr 열선 내장, 조절기와 외장 온도 프로브 별도

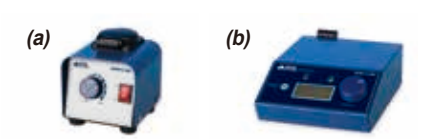
- ***Supplied by DAIHAN Korea*** ■ ***Ideal for All type Round Flask and Use with Magnetic Stirrer***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
- ***Nickel-Chrome Heating Element "Coil-type" : Acid Resistant & Long Life Time.***

〈L1〉



▶ ***Controller ; Option!***

Beakers, ㎖ Dia. Φ mm	Mantle			Catalog No.		Ea. Price, ₩
	Watts (W)	Inside Depth	Outside Φ× h(mm)	230V	120V	
50㎖, Φ41~43	80 W	40mm	Φ100×h60	**DH.WHM12190**	**DH.WHM12200**	38,000
100㎖, Φ50~52	80 W	50mm	Φ110×h70	**DH.WHM12191**	**DH.WHM12201**	38,000
250㎖, Φ68~70	140 W	60mm	Φ130×h80	**DH.WHM12192**	**DH.WHM12202**	47,000
400㎖, Φ79~81	240 W	80mm	Φ140×h100	**DH.WHM12193**	**DH.WHM12203**	52,000
400㎖, Φ76~78	240 W	80mm	Φ140×h100	**DH.WHM121931**	**DH.WHM122031**	52,000
600㎖, Φ88~90	240 W	95mm	Φ150×h115	**DH.WHM12194**	**DH.WHM12204**	54,000
800㎖, Φ98~100	300 W	95mm	Φ160×h115	**DH.WHM12195**	**DH.WHM12205**	54,000
1,000㎖, Φ105~108	350 W	110mm	Φ170×h130	**DH.WHM12196**	**DH.WHM12206**	59,000
2,000㎖, Φ130~132	450 W	150mm	Φ200×h170	**DH.WHM12197**	**DH.WHM12207**	77,000
3,000㎖, Φ151~153	550 W	170mm	Φ210×h190	**DH.WHM12198**	**DH.WHM12208**	89,000



Optional Remote Controller

	Cat. No 230V	Cat. No 120V	Ea. Price, ₩
(a) Analog Remote Controller, 5~100% of Rated Voltage, Up to 1.2kW	**DH.WHM13500**	**DH.WHM23500**	139,000
(b) Digital Remote Controller, Ambient +5℃~700℃, ±1℃ Uniformity at Set Temp.	**DH.WHM12500**	**DH.WHM22500**	282,000

※ The Price(VAT is extra) for Korean End-user, and Changeable.

DAIHAN® Aluminum-case Round Flask Heating Mantle, (1) Basic & (2) Stirring-type, 450℃, 50~30,000㎖

With Built-in Temp Controller, with/without Mag-stir Speed Control, with Certi. & Traceability

라운드플라스크용 히팅맨틀, 온도 조절기와 Ni-Cr 열선 내장, "기본형" 및 "자석교반형"

- ***Supplied by DAIHAN Korea***
- ***Ideal for All type Round Flask***
- ***50~6,000㎖ ; Non-magnetic Aluminum Case, 10Lit ~ 30Lit ; Powder-coated Steel Case***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
- ***Built-in Temp-Controller. Nickel-Chrome Heating Element "Coil-type" : Acid Resistant & Long Life Time.***



(1) Basic-type

<Ex.>
Setting Figure;
(1) Basic Mantle
+Flask+Stirrer
+Stand+Access.



(1) Basic-type Flask Mantle, Built-in Temp. Controller

∗ Heating Mantles for 50㎖~6,000㎖ Flask are with a Device* for Holding a Optional Stainless-steel Rod Φ12.7 mm for Article Support.

〈L1〉

Flasks, ㎖ Dia. Φ mm	Mantle			Catalog No.		Ea. Price, ₩
	Watts (W)	Inside Depth	Outside Φ × h(mm)	230V	120V	
50㎖, Φ49~52	80 W	40 mm	Φ150×h140	**DH.WHM12010**	**DH.WHM12020**	107,000
100㎖, Φ63~66	80 W	40 mm	Φ150×h140	**DH.WHM12011**	**DH.WHM12021**	107,000
250㎖, Φ83~86	140 W	65 mm	Φ150×h140	**DH.WHM12012**	**DH.WHM12022**	110,000
500㎖, Φ102~105	240 W	65 mm	Φ200×h165	**DH.WHM12013**	**DH.WHM12023**	133,000
1,000㎖, Φ130~133	350 W	75 mm	Φ200×h165	**DH.WHM12014**	**DH.WHM12024**	138,000
2,000㎖, Φ165~169	450 W	100 mm	Φ270×h200	**DH.WHM12015**	**DH.WHM12025**	165,000
3,000㎖, Φ184~187	550 W	105 mm	Φ270×h200	**DH.WHM12016**	**DH.WHM12026**	180,000
4,000㎖, Φ206~208	750 W	140 mm	Φ325×h226	**DH.WHM8037**	**DH.WHM8037.1**	243,000
5,000㎖, Φ221~224	800 W	131 mm	Φ325×h226	**DH.WHM12017**	**DH.WHM12027**	243,000
6,000㎖, Φ234~237	800 W	131 mm	Φ325×h226	**DH.WHM12018**	**DH.WHM12028**	250,000
10Lit, Φ278~282	1,400 W	150 mm	Φ390×h240	**DH.WHM12019**	**DH.WHM12029**	440,000
20Lit, Φ344~348	2,000 W	200 mm	Φ470×h260	**DH.WHM12070**	**DH.WHM12071**	742,000
30Lit, Φ410~420	3,200 W	280 mm	Φ515×h330	**DH.WHM12072**	**DH.WHM12072.1**	969,000

(2) Stirring-type Flask Mantle, Built-in 50~1200rpm Mag-stir Speed & Temp. Controller

∗ Heating Mantles for 50㎖~6,000㎖ Flask are with a Device* for Holding a Optional Stainless-steel Rod Φ12.7 mm for Article Support. ∗ 10-/20-Lit models Square-type Outside Shape.

∗ With 1ea × PTFE Oval-type Magnetic Stirrer Bar, L25mm.

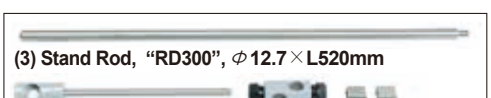
Flasks, ㎖ Dia. Φ mm	Mantle			Catalog No.		Ea. Price, ₩
	Watts (W)	Inside Depth	Outside Φ × h(mm)	230V	120V	
50㎖, Φ49~52	80 W	40 mm	Φ150×h140	**DH.WHM12030**	**DH.WHM12040**	305,000
100㎖, Φ63~66	80 W	40 mm	Φ150×h140	**DH.WHM12031**	**DH.WHM12041**	305,000
250㎖, Φ83~86	140 W	50 mm	Φ150×h140	**DH.WHM12032**	**DH.WHM12042**	305,000
500㎖, Φ102~105	240 W	65 mm	Φ200×h165	**DH.WHM12033**	**DH.WHM12043**	325,000
1,000㎖, Φ130~133	350 W	75 mm	Φ200×h165	**DH.WHM12034**	**DH.WHM12044**	330,000
2,000㎖, Φ165~169	450 W	100 mm	Φ270×h200	**DH.WHM12035**	**DH.WHM12045**	353,000
3,000㎖, Φ184~187	550 W	105 mm	Φ270×h200	**DH.WHM12036**	**DH.WHM12046**	362,000
4,000㎖, Φ206~208	750 W	135 mm	Φ325×h226	**DH.WHM8057**	**DH.WHM8057.1**	439,000
5,000㎖, Φ221~224	800 W	131 mm	Φ325×h226	**DH.WHM12037**	**DH.WHM12047**	439,000
6,000㎖, Φ234~237	800 W	131 mm	Φ325×h226	**DH.WHM12038**	**DH.WHM12048**	442,000
10Lit, Φ278~282	1,500 W	210 mm	440×510×h310	**DH.WHM8060**	**DH.WHM8060.1**	1,048,000
20Lit, Φ344~348	2,000 W	230 mm	440×550×h330	**DH.WHM8061**	**DH.WHM8061.1**	1,394,000



(2) Stirring-type Flask Mantle with a Stir-Bar

Optional Stainless-steel Rod, Holder & Clamp

		Ea. Price, ₩
DH.WHP503037	(3) Stand Rod, Φ12.7×L520mm, **"RD300"**, for Heating Mantles	17,500
DH.WHP503012	(4) Holder / Clamp / Clip, **"CL220"**, for Temp. Sensor	30,000



(3) Stand Rod, "RD300", Φ12.7×L520mm

(4) Holder / Clamp / Clip for Temp. Probe

DAIHAN® Aluminum-case Remote Controlled Round Flask Heating Mantle, (1) 450℃ Basic & (2) 650℃ Hi-Temp, 50㎖~100Lit

With Nickel Chrome Heating Element, K-type Thermo-Sensor Integrated, with Certi. & Traceability, Option-Controller

라운드플라스크용 히팅맨틀, K-type 온도센서와 Ni-Cr 열선 내장, 자력교반기와 사용가능, 조절기와 외장 온도 프로브 별도

- ***Supplied by DAIHAN Korea***
- ***Ideal for All type Round Flask and Use with Magnetic Stirrer***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
- ***Optional Remote Thermo Controller, K-type Thermo-Sensor, and Nickel-Chrome Heating Element "Coil-type" : Acid Resistant & Long Life Time.***
- ***Heating Mantles for 50㎖~6,000㎖ Flask are with a Device* for Holding a Optional Stainless-steel Rod Φ12.7mm for Article Support.***

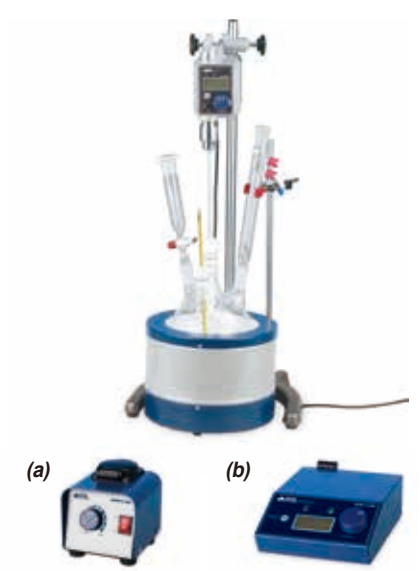


(1) 450℃ Basic-type



(2) 650℃ High Temp.-type

▶Controller ; Option!





(3) Stand Rod, "RD300", Φ12.7×L520mm

(4) Holder / Clamp / Clip for Temp. Probe

(1) 450℃ Basic-type, 50㎖~100Lit

∗ 50㎖~6000㎖ ; Non-magnetic Aluminum Case, 10Lit~100Lit ; Powder-coated Steel Case

〈L1〉

Flasks, ㎖ Dia. Φ mm	Mantle			Catalog No.		Ea. Price, ₩
	Watts (W)	Inside Depth	Outside Φ × h(mm)	230V	120V	
50㎖, Φ49~52	80 W	48 mm	Φ150×h75	**DH.WHM12050**	**DH.WHM12060**	79,000
100㎖, Φ63~66	80 W	50 mm	Φ150×h75	**DH.WHM12051**	**DH.WHM12061**	79,000
250㎖, Φ83~86	140 W	50 mm	Φ150×h75	**DH.WHM12052**	**DH.WHM12062**	85,000
500㎖, Φ102~105	240 W	85 mm	Φ200×h90	**DH.WHM12053**	**DH.WHM12063**	99,000
1,000㎖, Φ130~133	350 W	85 mm	Φ200×h140	**DH.WHM12054**	**DH.WHM12064**	109,000
2,000㎖, Φ165~169	450 W	110 mm	Φ270×h135	**DH.WHM12055**	**DH.WHM12065**	135,000
3,000㎖, Φ184~187	550 W	110 mm	Φ270×h135	**DH.WHM12056**	**DH.WHM12066**	144,000
4,000㎖, Φ206~208	750 W	135 mm	Φ325×h180	**DH.WHM8078**	**DH.WHM8078.1**	202,000
5,000㎖, Φ221~224	800 W	140 mm	Φ325×h165	**DH.WHM12057**	**DH.WHM12067**	202,000
6,000㎖, Φ234~237	800 W	140 mm	Φ325×h165	**DH.WHM12058**	**DH.WHM12068**	202,000
10Lit, Φ278~282	1,400 W	160 mm	Φ390×h240	**DH.WHM12073**	**DH.WHM12083**	395,000
20Lit, Φ344~348	2,000 W	200 mm	Φ460×h280	**DH.WHM12074**	**DH.WHM12084**	673,000
50Lit, Φ489~494	4,000 W	282 mm	Φ680×h360	**DH.WHM12075**	**DH.WHM12085**	1,142,000
100Lit, Φ609~614	6,000 W	370 mm	Φ740×h450	**DH.WHM8084**	**DH.WHM8084.1**	2,098,000

(2) 650℃ High Temp-type, 100㎖~10Lit

∗ 100㎖~6000㎖ ; Non-magnetic Aluminum Case, 10Lit ; Powder-coated Steel Case

Flasks, ㎖ Dia. Φ mm	Mantle			Catalog No.		Ea. Price, ₩
	Watts (W)	Inside Depth	Outside Φ × h(mm)	230V	120V	
100㎖, Φ63~66	120 W	50 mm	Φ150×h75	**DH.WHM12091**	**DH.WHM12101**	132,000
250㎖, Φ83~86	200 W	50 mm	Φ150×h75	**DH.WHM12092**	**DH.WHM12102**	145,000
500㎖, Φ102~105	350 W	70 mm	Φ200×h80	**DH.WHM12093**	**DH.WHM12103**	159,000
1,000㎖, Φ130~133	450 W	85 mm	Φ200×h140	**DH.WHM12094**	**DH.WHM12104**	213,000
2,000㎖, Φ165~169	600 W	110 mm	Φ270×h135	**DH.WHM12095**	**DH.WHM12105**	290,000
3,000㎖, Φ184~187	700 W	110 mm	Φ270×h135	**DH.WHM12096**	**DH.WHM12106**	325,000
4,000㎖, Φ206~208	850 W	125 mm	Φ325×h180	**DH.WHM8097**	**DH.WHM8097.1**	402,000
5,000㎖, Φ221~224	1,200 W	140 mm	Φ325×h165	**DH.WHM12097**	**DH.WHM12107**	402,000
6,000㎖, Φ234~237	1,200 W	140 mm	Φ325×h165	**DH.WHM12098**	**DH.WHM12108**	448,000
10Lit, Φ278~282	2,000 W	160 mm	Φ400×h260	**DH.WHM8100**	**DH.WHM8100.1**	832,000

Optional Remote Controller

	Cat. No		Ea. Price, ₩
	230V	120V	
(a) Analog Remote Controller, 5~100% of Rated Voltage, Up to 1.2kW	**DH.WHM13500**	**DH.WHM23500**	139,000
(b) Digital Remote Controller, Ambient +5℃~700℃, ±1℃ Uniformity at Set Temp.	**DH.WHM12500**	**DH.WHM22500**	282,000

Optional Temp. Probe & Stand Rod, Holder, Clamp for Digital Temp. Remote Controller

		Ea. Price, ₩
DH.WHP503040	Direct Contact Temp. Probe, K-type, **"SS300"**, L250×Φ4.8 mm	61,300
DH.WHP503050	, **"SS400"**, L380×Φ4.8 mm	63,800
DH.WHP503041	, **"SS310"**, Teflon Coated, L250×Φ5 mm	101,300
DH.WHP503051	, **"SS410"**, Teflon Coated, L380×Φ5 mm	107,500
DH.WHP503037	(3) Stand Rod, Φ12.7×L520mm, **"RD300"**, for Heating Mantles	17,500
DH.WHP503012	(4) Holder / Clamp / Clip, **"CL220"**, for Temp. Sensor	30,000

※ The Price(VAT is extra) for Korean End-user, and Changeable.

DAIHAN® Fabric-Housed Round Flask Heating Mantle, Remote Controlled, (1) Base & (2) Top Cover, 450℃, 50㎖~100Lit

With Nickel Chrome Heating Element, Option-Controller, with Certi. & Traceability

라운드 플라스크용 직물케이스 히팅맨틀, Ni-Cr 열선 내장, 자력교반기와 사용가능, 조절기와 외장 온도 프로브 별도

- ***Supplied by DAIHAN Korea***
- ***Ideal for All type Round Flask and Use with Magnetic Stirrer***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
- ***Nickel-Chrome Heating Element "Coil-type" : Acid Resistant & Long Life Time.***

~450℃ ***2-Year Warranty***



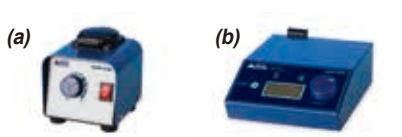
(1) Self Standing-base

~450℃ ***2-Year Warranty***



<Ex.>(2) Top Cover with (1) Self Standing-base

▶Controller ; Option!



(1) Self Standing-base Mantle

‹L1›

Flasks, ㎖ Dia. Φ mm	Mantle			Catalog No.		Ea. Price, ₩
	Watts (W)	Inside Depth	Outside Φ × h(mm)	230V	120V	
50㎖, Φ49~52	80 W	30 mm	Φ80×h55	**DH.WHM12110**	**DH.WHM12120**	38,000
100/125㎖, Φ63~66	80 W	40 mm	Φ100×h65	**DH.WHM12111**	**DH.WHM12121**	38,000
250㎖, Φ83~86	140 W	50 mm	Φ125×h75	**DH.WHM12112**	**DH.WHM12122**	47,000
500㎖, Φ102~105	240 W	60 mm	Φ155×h85	**DH.WHM12113**	**DH.WHM12123**	49,000
1,000㎖, Φ130~133	350 W	75 mm	Φ191×h100	**DH.WHM12114**	**DH.WHM12124**	59,000
2,000㎖, Φ165~169	450 W	95 mm	Φ226×h120	**DH.WHM12115**	**DH.WHM12125**	77,000
3,000㎖, Φ184~187	550 W	105 mm	Φ255×h130	**DH.WHM12116**	**DH.WHM12126**	87,000
4,000㎖, Φ206~208	750 W	120 mm	Φ310×h160	**DH.WHM8108**	**DH.WHM8108.1**	107,000
5,000㎖, Φ221~224	800 W	130 mm	Φ293×h155	**DH.WHM12117**	**DH.WHM12127**	107,000

(2) Top Cover only

Flasks, ㎖ Dia. Φ mm	Mantle		Catalog No.		Ea. Price, ₩
	Watts (W)	Outside Φ (mm)	230V	120V	
250㎖, Φ83~86	100 W	Φ136	**DH.WHM121301**	**DH.WHM121311**	122,000
500㎖, Φ102~105	140 W	Φ155	**DH.WHM121302**	**DH.WHM121312**	133,000
1,000㎖, Φ130~133	240 W	Φ183	**DH.WHM121303**	**DH.WHM121313**	179,000
2,000㎖, Φ165~169	350 W	Φ220	**DH.WHM121304**	**DH.WHM121314**	237,000
3,000㎖, Φ184~187	400 W	Φ236	**DH.WHM121305**	**DH.WHM121315**	259,000
4,000㎖, Φ206~208	490 W	Φ260	**DH.WHM8117**	**DH.WHM8117.1**	305,000
5,000㎖, Φ221~224	550 W	Φ275	**DH.WHM121306**	**DH.WHM121316**	305,000
10Lit, Φ278~282	700 W	Φ332	**DH.WHM121307**	**DH.WHM121317**	420,000
20Lit, Φ344~348	1600 W	Φ400	**DH.WHM121308**	**DH.WHM121318**	537,000
50Lit, Φ489~494	2,000 W	Φ550	**DH.WHM8121**	**DH.WHM8121.1**	783,000
100Lit, Φ609~614	2,000 W	Φ665	**DH.WHM8122**	**DH.WHM8122.1**	1,430,000

Optional Remote Controller

	Cat. No		Ea. Price, ₩
	230V	120V	
(a) Analog Remote Controller, 5~100% of Rated Voltage, Up to 1.2kW	**DH.WHM13500**	**DH.WHM23500**	139,000
(b) Digital Remote Controller, Ambient +5℃~700℃, ±1℃ Uniformity at Set Temp.	**DH.WHM12500**	**DH.WHM22500**	282,000

Articles	Cat. No	Description

DAIHAN® Aluminum-case Reaction Vessel/Kettle Heating Mantle, (1) Basic & (2) Stirring-type, 450℃, 100㎖~100Lit

With Built-in Temp Controller, with/without Mag-stir Speed Control, with Certi. & Traceability

반응조용 히팅맨틀, 온도 조절기와 Ni-Cr 열선 내장, "기본형" 및 "자석교반형"

- ***Supplied by DAIHAN Korea***
- ***Ideal for All type Reaction Vessel***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
- ***Built-in Temp-Controller. Nickel-Chrome Heating Element "Coil-type" : Acid Resistant & Long Life Time.***
- ***Heating Mantles for 50㎖~6,000㎖ Flask are with a Device* for Holding a Optional Stainless-steel Rod Φ12.7mm for Article Support.***



(1) Basic-type Reaction Vessel Mantle with Temp. Controller

(1) Basic-type Reaction Vessel Mantle, Built-in Temp. Controller

∗ 100㎖~6000㎖ ; Non-magnetic Aluminum Case, 10Lit~100Lit ; Powder-coated Steel Case

〈L1〉

Vessels, ㎖ Dia. Φ × h(cm)	Mantle			Catalog No.		Ea. Price, ₩
	Watts (W)	Inside Depth	Outside Φ × h(cm)	230V	120V	
100㎖, Φ7×h9	80 W	6.5 cm	Φ15.0×h14.0	**DH.WHM8130**	**DH.WHM8130.1**	108,000
250㎖, Φ7×h13	140 W	9.0 cm	Φ15.0×h16.5	**DH.WHM8131**	**DH.WHM8131.1**	135,000
500㎖, Φ11×h12	350 W	9.0 cm	Φ20.0×h16.5	**DH.WHM12146**	**DH.WHM12156**	140,000
1,000㎖, Φ11×h20	350 W	16.0 cm	Φ20.0×h26.0	**DH.WHM8133**	**DH.WHM8133.1**	139,000
2,000㎖, Φ13×h24	450 W	18.5 cm	Φ20.0×h26.0	**DH.WHM8134**	**DH.WHM8134.1**	155,000
2,000㎖, Φ14×h27	550 W	24.5 cm	Φ20.0×h30.0	**DH.WHM8135**	**DH.WHM8135.1**	174,000
3,000㎖, Φ13×h32	550 W	24.5 cm	Φ20.0×h32.0	**DH.WHM8136**	**DH.WHM8136.1**	197,000
4,000㎖, Φ20×h29	800 W	23.5 cm	Φ32.5×h30.0	**DH.WHM8138**	**DH.WHM8138.1**	232,000
5,000㎖, Φ20×h29	800 W	23.5 cm	Φ32.5×h30.0			
6,000㎖, Φ21.5×h32	800 W	23.5 cm	Φ32.5×h30.0	**DH.WHM8139**	**DH.WHM8139.1**	254,000
10Lit, Φ21.5×h45	1,400 W	35.0 cm	Φ35.0×h40.0	**DH.WHM8140**	**DH.WHM8140.1**	463,000
10Lit, Φ24×h41	1,400 W	33.0 cm	Φ35.0×h36.0	**DH.WHM8141**	**DH.WHM8141.1**	463,000
20Lit, Φ25×h47	2,000 W	40.0 cm	Φ35.0×h45.0	**DH.WHM8142**	**DH.WHM8142.1**	808,000
20Lit, Φ27×h45	2,000 W	35.0 cm	Φ40.0×h40.0	**DH.WHM8143**	**DH.WHM8143.1**	742,000
20Lit, Φ29×h42	2,000 W	35.0 cm	Φ40.0×h40.0	**DH.WHM8144**	**DH.WHM8144.1**	742,000
50Lit, Φ31.5×h81	4,000 W	67.0 cm	Φ44.0×h75.0	**DH.WHM8145**	**DH.WHM8145.1**	1,224,000
100Lit, Φ41.5×h91	6,000 W	75.0 cm	Φ55.0×h83.0	**DH.WHM8146**	**DH.WHM8146.1**	2,193,000



(2) Stirring-type Reaction Vessel Mantle with Temp.-/Stirring-Controller and 1× Mag Stir bar

(2) Stirring-type Reaction Vessel Mantle, Built-in 50~1200rpm Mag-stir Speed & Temp. Controller

∗ 100㎖~6000㎖ ; Non-magnetic Aluminum Case, 10Lit~20Lit ; Powder-coated Steel Case
∗ With 1ea×PTFE Oval-type Magnetic Stirrer Bar, L25mm.
∗ 10-/20-Lit models Square-type Outside Shape.

Vessels, ㎖ Dia. Φ × h(cm)	Mantle			Catalog No.		Ea. Price, ₩
	Watts (W)	Inside Depth	Outside Φ × h(cm)	230V	120V	
100㎖, Φ7×h9	80 W	7.0 cm	Φ15.0×h16.5	**DH.WHM8150**	**DH.WHM8150.1**	333,000
250㎖, Φ7×h13	140 W	9.0 cm	Φ15.0×h18.5	**DH.WHM8151**	**DH.WHM8151.1**	333,000
500㎖, Φ11×h12	240 W	9.5 cm	Φ20.0×h19.0	**DH.WHM8152**	**DH.WHM8152.1**	368,000
1,000㎖, Φ11×h20	350 W	16.5 cm	Φ20.0×h26.0	**DH.WHM8153**	**DH.WHM8153.1**	403,000
2,000㎖, Φ13×h24	450 W	16.5 cm	Φ20.0×h26.0	**DH.WHM8154**	**DH.WHM8154.1**	414,000
2,000㎖, Φ14×h27	550 W	22.5 cm	Φ20.0×h30.0	**DH.WHM8155**	**DH.WHM8155.1**	425,000
3,000㎖, Φ13×h32	550 W	22.5 cm	Φ20.0×h32.0	**DH.WHM8156**	**DH.WHM8156.1**	425,000
4,000㎖, Φ20×h29	800 W	23.5 cm	Φ32.5×h30.0	**DH.WHM8158**	**DH.WHM8158.1**	472,000
5,000㎖, Φ20×h29	800 W	23.5 cm	Φ32.5×h30.0			
6,000㎖, Φ21.5×h32	800 W	23.5 cm	Φ32.5×h30.0	**DH.WHM8159**	**DH.WHM8159.1**	472,000
10Lit, Φ21.5×h45	1400 W	40.0 cm	35×46×h48	**DH.WHM8160**	**DH.WHM8160.1**	1,072,000
10Lit, Φ24×h41	1400 W	37.0 cm	35×46×h39.5	**DH.WHM8161**	**DH.WHM8161.1**	1,048,000
20Lit, Φ25×h47	2000 W	48.5 cm	35×46×h56.5	**DH.WHM8162**	**DH.WHM8162.1**	1,394,000

(3) Stand Rod, "RD300", Φ12.7×L520mm



(4) Holder / Clamp / Clip for Temp. Probe

Optional Stainless-steel Rod, Holder & Clamp

		Ea. Price, ₩
DH.WHP503037	(3) Stand Rod, Φ12.7×L520mm, **"RD300",** for Heating Mantles	17,500
DH.WHP503012	(4) Holder / Clamp / Clip, **"CL220",** for Temp. Sensor	30,000

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description

DAIHAN® Remote Controlled Reaction Vessel/Kettle Heating Mantle, (1) Plain Bottom & (2) Bottom Outlet-type, 450℃ With Nickel Chrome Heating Element, K-type Thermo-Sensor Integrated, with Certi. & Traceability, Option-Controller, 100㎖~100Lit

반응조용 히팅맨틀, K-type 온도센서와 Ni-Cr 열선 내장, 자력교반기와 사용가능, 조절기와 외장 온도 프로브 별도

- ***Supplied by DAIHAN Korea***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
- ***Optional Remote Thermo Controller, K-type Thermo-Sensor, and Nickel-Chrome Heating Element "Coil-type" : Acid Resistant & Long Life Time.***
- ***Heating Mantles for 50㎖~6,000㎖ Flask are with a Device* for Holding a Optional Stainless-steel Rod Φ12.7 mm for Article Support.***



(1) Plain Bottom-type Remotecontrolled Reaction Vessel Heating Mantle

▶Controller ; Option!

(1) Plain Bottom-type

∗ 100㎖~6000㎖ ; Non-magnetic Aluminum Case, 10Lit~100Lit ; Powder-coated Steel Case

〈L1〉

Vessels, ㎖ Dia. Φ × h(cm)	Mantle			Catalog No.		Ea. Price, ₩
	Watts (W)	Inside Depth	Outside Φ × h(cm)	230V	120V	
100㎖, Φ7×h9	80 W	6.5cm	Φ15.0×h11.0	DH.WHM8170	DH.WHM8170.1	82,000
250㎖, Φ7×h13	140 W	10.5cm	Φ15.0×h14.0	DH.WHM8171	DH.WHM8171.1	87,000
500㎖, Φ11×h12	240 W	9.0cm	Φ20.0×h13.5	DH.WHM8172	DH.WHM8172.1	98,000
1,000㎖, Φ11×h20	350 W	14.0cm	Φ20.0×h16.5	DH.WHM8173	DH.WHM8173.1	117,000
2,000㎖, Φ13×h24	450 W	16.5cm	Φ20.0×h19.0	DH.WHM8174	DH.WHM8174.1	127,000
2,000㎖, Φ14×h27	550 W	20.5cm	Φ20.0×h22.0	DH.WHM8175	DH.WHM8175.1	139,000
3,000㎖, Φ13×h32	550 W	26.5cm	Φ20.0×h29.0	DH.WHM8176	DH.WHM8176.1	158,000
4,000㎖, Φ20×h29	800 W	21.0cm	Φ27.0×h22.5	DH.WHM8178	DH.WHM8178.1	185,000
5,000㎖, Φ20×h29	800 W	21.0cm	Φ27.0×h22.5			
6,000㎖, Φ21.5×h32	800 W	24.5cm	Φ32.5×h23.5	DH.WHM8179	DH.WHM8179.1	209,000
10Lit, Φ21.5×h45	1400 W	32.0cm	Φ32.5×h35.0	DH.WHM8180	DH.WHM8180.1	393,000
10Lit, Φ24×h41	1400 W	32.0cm	Φ32.5×h35.0	DH.WHM8181	DH.WHM8181.1	393,000
20Lit, Φ25×h47	2000 W	40.0cm	Φ40.0×h45.0	DH.WHM8182	DH.WHM8182.1	717,000
20Lit, Φ27×h45	2000 W	35.0cm	Φ40.0×h40.0	DH.WHM8183	DH.WHM8183.1	717,000
20Lit, Φ29×h42	2000 W	35.0cm	Φ40.0×h40.0	DH.WHM8184	DH.WHM8184.1	717,000
50Lit, Φ31.5×h81	4000 W	70.0cm	Φ44.0×h75.0	DH.WHM8185	DH.WHM8185.1	1,200,000
100Lit, Φ41.5×h91	6000 W	75.5cm	Φ55.0×h83.0	DH.WHM8186	DH.WHM8186.1	2,077,000



(2) Bottom Outlet-type Remotecontrolled Reaction Vessel Heating Mantle

▶Controller ; Option!

(2) Bottom Outlet-type

∗ 500㎖~6000㎖ ; Non-magnetic Aluminum Case, 10Lit~100Lit ; Powder-coated Steel Case

∗ Bottom Outlet Hole Size : L7.2×W4.0cm(500~2,000㎖) or L12.0×W7.0cm(3,000㎖~100Lit)

Vessels, ㎖ Dia. Φ × h(cm)	Mantle			Catalog No.		Ea. Price, ₩
	Watts (W)	Inside Depth	Outside Φ × h(cm)	230V	120V	
500㎖, Φ11×h12	240 W	8.5cm	Φ20.0×h11.0	DH.WHM8190	DH.WHM8190.1	128,000
1,000㎖, Φ11×h20	350 W	14.0cm	Φ20.0×h16.5	DH.WHM8191	DH.WHM8191.1	163,000
2,000㎖, Φ13×h24	450 W	16.5cm	Φ20.0×h19.0	DH.WHM8192	DH.WHM8192.1	169,000
2,000㎖, Φ14×h27	550 W	16.5cm	Φ20.0×h22.0	DH.WHM8193	DH.WHM8193.1	185,000
3,000㎖, Φ13×h32	550 W	26.5cm	Φ20.0×h29.0	DH.WHM8194	DH.WHM8194.1	202,000
4,000㎖, Φ20×h29	800 W	21.0cm	Φ27.0×h22.5	DH.WHM8196	DH.WHM8196.1	232,000
5,000㎖, Φ20×h29	800 W	21.0cm	Φ27.0×h22.5			
6,000㎖, Φ21.5×h32	800 W	24.5cm	Φ32.5×h23.5	DH.WHM8197	DH.WHM8197.1	254,000
10Lit, Φ21.5×h45	1400 W	31.0cm	Φ32.5×h35.0	DH.WHM8198	DH.WHM8198.1	439,000
10Lit, Φ24×h41	1400 W	31.0cm	Φ32.5×h35.0	DH.WHM8199	DH.WHM8199.1	439,000
20Lit, Φ25×h47	2000 W	41.0cm	Φ40.0×h45.0	DH.WHM8200	DH.WHM8200.1	762,000
20Lit, Φ27×h45	2000 W	35.0cm	Φ40.0×h40.0	DH.WHM8201	DH.WHM8201.1	762,000
20Lit, Φ29×h42	2000 W	35.0cm	Φ40.0×h40.0	DH.WHM8202	DH.WHM8202.1	762,000
50Lit, Φ31.5×h81	4000 W	70.0cm	Φ44.0×h75.0	DH.WHM8203	DH.WHM8203.1	1,247,000
100Lit, Φ41.5×h91	6000 W	78.0cm	Φ55.0×h83.0	DH.WHM8204	DH.WHM8204.1	2,137,000

(a)



(b)



Optional Remote Controller

	Cat. No		Ea. Price, ₩
	230V	120V	
(a) Analog Remote Controller, 5~100% of Rated Voltage, Up to 1.2kW	DH.WHM13500	DH.WHM23500	139,000
(b) Digital Remote Controller, Ambient +5℃~700℃, ±1℃ Uniformity at Set Temp.	DH.WHM12500	DH.WHM22500	282,000



(3) Stand Rod, "RD300", Φ12.7×L520mm

(4) Holder / Clamp / Clip for Temp. Probe

Optional Temp. Probe & Stand Rod, Holder, Clamp for Digital Temp. Remote Controller

		Ea. Price, ₩
DH.WHP503040	Direct Contact Temp. Probe, K-type, **"SS300"**, L250×Φ4.8 mm	61,300
DH.WHP503050	, **"SS400"**, L380×Φ4.8 mm	63,800
DH.WHP503041	, **"SS310"**, Teflon Coated, L250×Φ5 mm	101,300
DH.WHP503051	, **"SS410"**, Teflon Coated, L380×Φ5 mm	107,500
DH.WHP503037	(3) Stand Rod, Φ12.7×L520mm, **"RD300"**, for Heating Mantles	17,500
DH.WHP503012	(4) Holder / Clamp / Clip, **"CL220"**, for Temp. Sensor	30,000

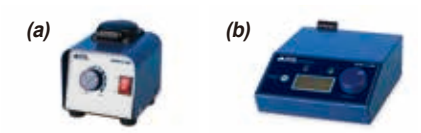
DAIHAN® Remote Controlled Reaction Round Flask Heating Mantle, Bottom Outlet-type, 450℃, 2,000㎖~50Lit

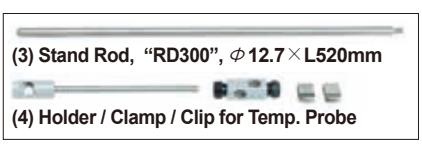
With Nickel Chrome Heating Element, K-type Thermo-sensor Integrated, with Certi. & Traceability, Option-Controller

반응조용 히팅맨틀, 반응조 라운드 플라스크용, K-type 온도센서와 Ni-Cr 열선 내장, 조절기와 외장 온도 프로브 별도



▶ ***Controller ; Option!***





(3) Stand Rod, "RD300", Φ12.7×L520mm

(4) Holder / Clamp / Clip for Temp. Probe

- ***Supplied by DAIHAN Korea***
- ***Ideal for All type Reaction Flasks***
- ***2000㎖~5000㎖ ; Non-magnetic Aluminum-Case, 10Lit~50Lit ; Powder-coated Steel Case***
- ***Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
- ***Nickel-Chrome Heating Element "Coil-type" : Acid Resistant & Long Life Time.***

∗ With a Device* for Holding a Optional Stainless-steel Rod Φ12.7 mm for Article Support.

∗ Optional Remote Thermo Controller, K-type Thermo-Sensor

〈L1〉

Flasks, ㎖ Dia. Φ mm	Mantle			Catalog No.		Ea. Price, ₩
	Watts (W)	Inside Depth	Outside Φ× h(mm)	230V	120V	
2,000㎖, Φ165~169	550 W	110 mm	Φ270×h160	**DH.WHM8222**	**DH.WHM8222.1**	197,000
3,000㎖, Φ184~186	550 W	130 mm	Φ270×h160	**DH.WHM8232**	**DH.WHM8232.1**	243,000
5,000㎖, Φ224~226	800 W	135 mm	Φ325×h180	**DH.WHM8233**	**DH.WHM8233.1**	278,000
10Lit, Φ278~282	1400 W	200 mm	Φ400×h250	**DH.WHM8226**	**DH.WHM8226.1**	463,000
20Lit, Φ348~352	2000 W	230 mm	Φ440×h290	**DH.WHM8227**	**DH.WHM8227.1**	762,000
NEW **30Lit, Φ410~420**	3200 W	280 mm	Φ515×h330	**DH.WHM8234**	**DH.WHM8234.1**	1,013,000
50Lit, Φ480~484	4000 W	300 mm	Φ625×h360	**DH.WHM8228**	**DH.WHM8228.1**	1,269,000

Optional Remote Controller

	Cat. No		Ea. Price, ₩
	230V	120V	
(a) Analog Remote Controller, 5~100% of Rated Voltage, Up to 1.2kW	**DH.WHM13500**	**DH.WHM23500**	139,000
(b) Digital Remote Controller, Ambient +5℃~700℃, ±1℃ Uniformity at Set Temp.	**DH.WHM12500**	**DH.WHM22500**	282,000

Optional Temp. Probe & Stand Rod, Holder, Clamp for Digital Temp. Remote Controller

		Ea. Price, ₩
DH.WHP503040	Direct Contact Temp. Probe, K-type, **"SS300"**, L250×Φ4.8 mm	61,300
DH.WHP503050	, **"SS400"**, L380×Φ4.8 mm	63,800
DH.WHP503041	, **"SS310"**, Teflon Coated, L250×Φ5 mm	101,300
DH.WHP503051	, **"SS410"**, Teflon Coated, L380×Φ5 mm	107,500
DH.WHP503037	(3) Stand Rod, Φ12.7×L520mm, **"RD300",** for Heating Mantles	17,500
DH.WHP503012	(4) Holder / Clamp / Clip, **"CL220",** for Temp. Sensor	30,000

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description

DAIHAN® 3 & 6 Places Multiuse Heating Mantle, for 250~1000㎖ Flasks, 450℃, with Certi. & Traceability

With Glassware Supporting Rod & Hook, Ideal for Extraction · Reflux · Distillation Applications, Lower Profile

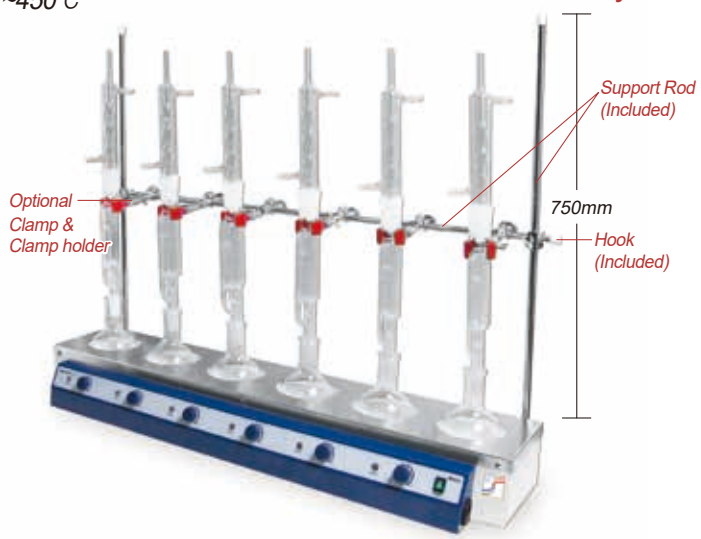
3 & 6구 다용도 히팅맨틀, 추출 · 환류 · 증류용 등에 적합, 250~1000㎖ 둥근 플라스크용

- ***Supplied by DAIHAN Korea***
- ***Fit to DURAN, Glassco, Pyrex and Other-brand Round Flasks***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
- ***Ideal for Repetitive Extraction (Kjeldahl, Soxhlet and other Extraction Procedure), Reflux and Distillation Laboratory Applications***

∗ Top Cover ; Stainless-steel 304, Body ; Powder Coated Steel
∗ Analog Controller Built-in System
∗ Nickel Chrome Heating Element - Coil Type
∗ Rods and Hooks for Rods Connection
∗ Optional Clamp & Clamp Holder for Glassware ; Order Separately

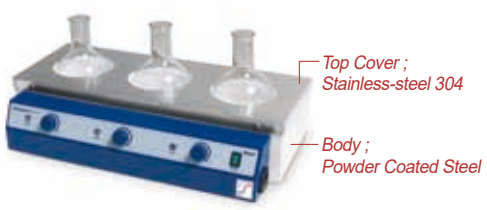
~450℃

2-Year Warranty



6 places Heating Mantle
(WHM12293)

2-Year Warranty



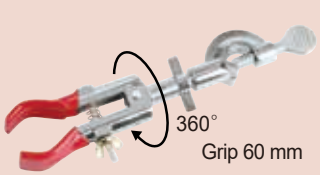
3 places Heating Mantle
(WHM12391)

〈L1〉

Working Places	Catalog No.		Round Flask 250~1000㎖			Watts(W)	Inside Depth (mm)	Dimension w×d×h (mm)	Ea. Price, ₩
	230V	120V	Capa. (㎖)	Dia. Max. Φ (mm)	Bottom Style				
6 places	DH.WHM12291	DH.WHM12292	250/300	83 ~ 86	Flat	840	50	800×240×110	542,000
6 places	DH.WHM12293	DH.WHM12294	250/300	83 ~ 86	Round	840	50	800×240×110	542,000
6 places	DH.WHM12295	DH.WHM12296	500	102 ~ 105	Round	1440	65	950×270×130	543,000
3 places	DH.WHM12391	DH.WHM12392	500	102 ~ 105	Round	720	65	550×270×130	365,000
3 places	DH.WHM12393	DH.WHM12394	1,000	130 ~ 133	Round	1050	75	690×340×170	509,000

Spare Support Rod & Hook Set

		Ea. Price, ₩
DH.WHM30500	Support Rod & Hook Set, **"MHR01"**, for 3Places 500㎖, 2×750-/1×500-mm Rod and 2×Hook for Rod	33,000
DH.WHM31000	, **"MHR02"**, for 3Places 1000㎖, 2×750-/1×600-mm Rod and 2×Hook for Rod	33,000
DH.WHM60250	, **"MHR03"**, for 6Places 250-/300-㎖, 2×750-/1×900-mm Rod and 2×Hook for Rod	33,000
DH.WHM60500	, **"MHR04"**, for 6Places 500㎖, 2×750-/1×940-mm Rod and 2×Hook for Rod	33,000



※ Optional Clamps & Clamp holders
⇒ See the "Clamps/Holders" Section

Articles	Cat. No	Description

DAIHAN® Analog Compact Temp Controller "WHM-C10A", up to 1.2kW, for All-Purpose Heating Instruments
With Solid State, Proportional Voltage Power Control (5~100%), 아날로그 온도 조절기

2-Year Warranty



Analog Compact Temp. Controller "WHM-C10A"



<Ex.>
Heating Mantle Set with the Analog Compact Temp. Controller "WHM-C10A"

- ■ *Supplied by DAIHAN Korea* ■ *PL (Product Liability) Insurance*
- ■ *with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System*
- ■ *Small Footprint, Compact Analog Temperature Controller*
- ■ *Precise Manual Control of Heating Mantles, Tapes, Cords and Other Resistive Loads up to 1.2 kW*
- ∗ Safe and Durable Design
- ∗ Solid state, Proportional Voltage Power Control (5~100% or Rated Voltage)

Specifications & Ordering information
<L1>

Spec. \ Model		"WHM-C10A"
Control Range & Capacity		5~100% of Rated Voltage, Up to 1.2 kW
Dimension & Weight		95×98×h106mm, 1kg
Packing Size & Gross Weight		190×160×h130mm, 2kg
Electrical Reqts.		1 Phase, AC 120V, 60Hz or AC 230V, 50/60Hz
Cat. No.	230V	DH.WHM13500
	120V	DH.WHM23500
Price, Each. ₩		282,000

∗ Other Specifications are available upon Customer's Request.

DAIHAN® Digital Feedback Temp Controller "WHM-C10D", up to 700℃, ±0.1℃, with Back-Light LCD
For All-purpose Heating Instruments, Available K-type External Direct Contact Thermocouple(Optional), 디지털 온도 조절기

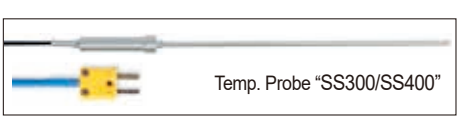
2-Year Warranty



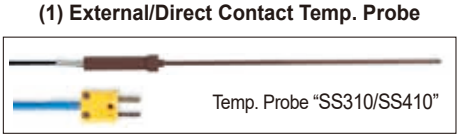
Digital Feedback Temp. Controller "WHM-C10D"



<Ex.>
Heating Mantle Set with Temp. Probe and the Digital Feedback Temp. Controller "WHM-C10D"



(1) External/Direct Contact Temp. Probe



(2) External/Direct Contact Temp. Probe, Teflon Coated



- ■ *Supplied by DAIHAN Korea* ■ *PL (Product Liability) Insurance*
- ■ *with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System*
- ■ *User's Self-compensation Function to Control Difference between Real Temp. and Indicated Temp. (±50℃)*
- ■ *Patented Jog-Shuttle Control System*
- ∗ Digital Feedback Control by High-Performance Microprocessor
- ∗ Digital LCD with Back-Light Function ∗ Small Footprint and User-Friendly Design.
- ∗ Storage function, Timer, Alarm & Locking Mode
- ∗ Heating Instruments can be controlled up to 2kW.
- ∗ Accurate Temp. Control of the Liquid in the Vessel using Optional Direct K-type Sensor

Specifications & Ordering information
<L1>

Spec. \ Model		"WHM-C10D"
Temp. Range & Accuracy		Ambient +5℃~700℃, ±1℃ at Set Temperature
Temp. Resolution		1℃-Display, 1℃-Control
Timer & Alarm		99hr 59min (Continuous run), Error status & Timer-end
Display		Digital LCD with Back Light Function (Temp., Timer)
Controller		Digital Feedback Controller with Jog Shuttle Switch (Turn+Push)
Control Capacity		up to 2kW for 230V, 1.5kW for 120V
Dimension & Weight		145×185×h68mm, 2.8kg
Packing Size & Gross Weight		280×250×h110mm, 4kg
Electrical Reqts.		1 Phase, AC 120V, 60Hz or AC 230V, 50 / 60Hz
Cat. No.	230V	DH.WHM12500
	120V	DH.WHM22500
Price, Each. ₩		282,000

∗ Other Specifications are available upon Customer's Request.

Optional Temp. Probe & Stand Rod, Holder, Clamp

		Ea. Price, ₩
DH.WHP503040	(1) Direct Contact Temp. Probe, K-type, **"SS300"**, L250×Φ 4.8 mm	61,300
DH.WHP503050	(1) Direct Contact Temp. Probe, K-type, **"SS400"**, L380×Φ 4.8 mm	63,800
DH.WHP503041	(2) Direct Contact Temp. Probe, K-type, **"SS310"**, Teflon Coated, L250×Φ5 mm	101,300
DH.WHP503051	(2) Direct Contact Temp. Probe, K-type, **"SS410"**, Teflon Coated, L380×Φ5 mm	107,500
DH.WHP503037	(3) Stand Rod, Φ12.7×L520mm, **"RD300"**, for Heating Mantles	17,500
DH.WHP503012	(4) Holder / Clamp / Clip, **"CL220"**, for Temp. Sensor	30,000

※ The Price (VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description

DAIHAN® Heating Tape, Standard-type, 250℃, 13 & 25mm

<L1>

Heating Tape
250℃



Heating Tapes
∗ For Glass Tubes Metal Pipet

Catalog No.	13mm Width × Length(m)	Watts & Volt	Ea. Price, ₩
DH.WHM12311	13mm × 0.6m	200W, 230V	29,000
DH.WHM12312	× 1.0m	200W, 230V	29,000
DH.WHM12313	× 1.5m	250W, 230V	43,000
DH.WHM12314	× 2.0m	300W, 230V	57,000
DH.WHM12315	× 2.5m	350W, 230V	70,000
DH.WHM12316	× 3.0m	400W, 230V	84,000

Catalog No.	25mm Width × Length(m)	Watts & Volt	Ea. Price, ₩
DH.WHM12321	25mm × 0.6m	200W, 230V	29,000
DH.WHM12322	× 1.0m	200W, 230V	29,000
DH.WHM12323	× 1.5m	250W, 230V	43,000
DH.WHM12324	× 2.0m	300W, 230V	57,000
DH.WHM12325	× 2.5m	350W, 230V	70,000
DH.WHM12326	× 3.0m	400W, 230V	84,000
DH.WHM12327	× 4.0m	550W, 230V	117,000
DH.WHM12328	× 6.0m	700W, 230V	200,000

▶ ***Controller ; Option!***

(a)



(b)



Optional Remote Controller

	Cat. No		Ea. Price, ₩
	230V	120V	
(a) Analog Remote Controller, 5~100% of Rated Voltage, Up to 1.2kW	DH.WHM13500	DH.WHM23500	139,000
(b) Digital Remote Controller, Ambient +5℃~700℃, ±1℃ Uniformity at Set Temp.	DH.WHM12500	DH.WHM22500	282,000

DAIHAN® Custom-Made Heating Mantle & Insulation, Up to 450℃~650℃

Ideal for Bottom Valved Vessels or General-use, **고객 주문 사양 히팅맨틀 및 단열/보온재**

We can Offer DAIHAN Custom Heating Mantles, for which you can Specify the Outside Diameter of the Vessel, Length of Mantle, Voltage, Number of Circuits and Length of Each Heating Zone, Ambient Temperature, Unusual Ambient Conditions, Size & Location of Holes for View Ports, and Tubulations.

Please Submit a Sketch for Complicated Applications and Contact our International Sales Team or our Distributor in your Country.
- Provides Uniform Heating and Insulation for Scrubbing and Fractionating Columns.
- Closes with a Zipper, with Eyelets and laces or Hooks and laces.
- Internal Operating Temperature is up to 450℃ or 650℃

Examples for Customized Heating Mantle



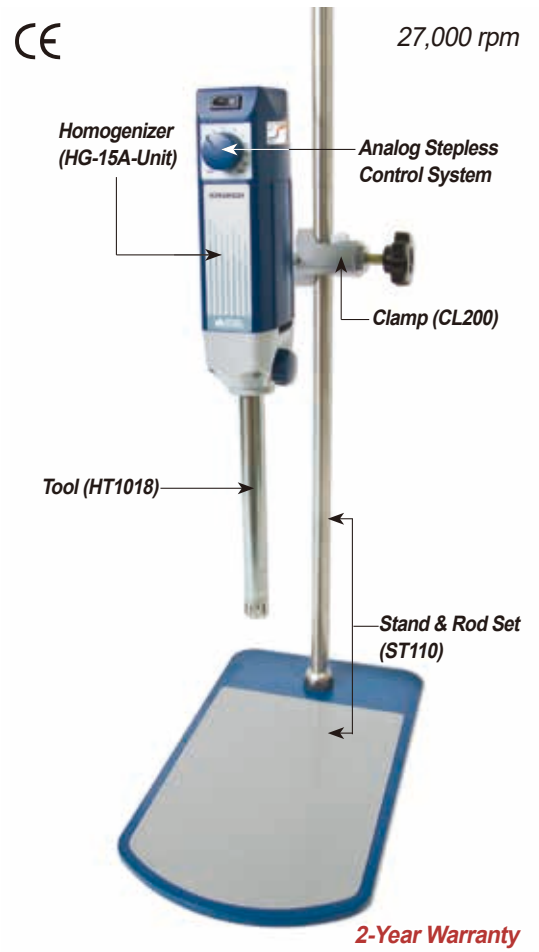


Welcome! Custom-Made Heating Mantle!!

DAIHAN® Homogenizer with Direct Controller "HG-15A", up to 27,000 rpm, 1~2,500㎖

With Analog Stepless Control System, High Efficiency Dispersing Tools, High-Speed · High-Quality · Low Noise

균질기/호모지나이저, 아날로그 컨트롤러 내장, 초고속/저소음 모터



A. Homogenizer Package-set "HG-15A-SET-A"

- ■ ***Supplied by DAIHAN Korea*** ■ ***CE Certified*** ■ ***PL (Product Liability) Insurance***
- ■ ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
- ■ ***Useful for All Dispersing and Homogenizing Applications***
- ■ ***Over Heat Protection***

* Designed for Liquid and Tissue Samples
* Useful for All Dispersing and Homogenizing Applications
* High Speed / High Quality / Low Noise : Max. 27,000 RPM (without load)
* Speed & Power Control Optimized for a Sample
* High Efficiency Dispersing Tool made of Stainless-steel and PTFE

Specifications & Ordering information

〈L1〉

Spec. \ Model	A. "HG-15A-SET-A" with HT1018	B. "HG-15A-SET-B" with HT1025	C. "HG-15A" (Unit Only)
Speed Range & Adjustment	Max. 27,000 rpm (without load), Stepless		
Working Range	1 ~ 2,500㎖		
Motor Rating (Input / Output)	Input : 300W, Output : 160W		
Controller	Analog Phase Controller		
Standard Component Acc.	"**HT1018**" Dispersing Tool, "**CL200**" Clamp, "**ST110**" Stand	"**HT1025**" Dispersing Tool, "**CL200**" Clamp, "**ST110**" Stand	Unit Only
Safety Device	Over Heat Protector		
Usable Dispersing Tool	Φ8mm Stator "**HT1008**", Φ10mm Stator "**HT1010**", Φ18mm Stator "**HT1018**", Φ25mm Stator "**HT1025**"		
Material	Aluminum Die-casting and ABS-Unit, Stainless-steel (#304)-Tool		
Permissible Temp & Moisture	Ambient 5℃~50℃, 85%		
Extension Arm Size	Φ12.7×L250mm		
Dimension & Weight	60×75×h215mm, 2.5kg		
Packing Size & Gross Weight	320×300×h190mm, 5kg		
Power Consumption	160W		
Electrical Reqts.	1 Phase, AC 120V, 60Hz or AC 230V, 50 / 60Hz		
Cat. No. 230V	**DH.WHG02016**	**DH.WHG02017**	**DH.WHG02015**
Cat. No. 120V	**DH.WHG01016**	**DH.WHG01017**	**DH.WHG01015**
Price, Each. ₩	630,000	632,000	332,000

* **Other Specifications are available upon Customer's Request.**

1~50㎖



(1) Dispersing Tool "HT1008"

1~100㎖



(2) Dispersing Tool "HT1010"

10~1,000㎖



(3) Dispersing Tool "HT1018"

50~2,500㎖



(4) Dispersing Tool "HT1025"

Spare Dispersing Tool & Clamp & Plate Stand

		Ea. Price, ₩
DH.WHG02108	(1) Dispersing Tool, **"HT1008"**, Rotor Φ6, Stator Φ8mm , 1~50㎖	350,000
DH.WHG02110	(2) Dispersing Tool, **"HT1010"**, Rotor Φ7.96, Stator Φ10mm, 1~100㎖	350,000
DH.WHG02118	(3) Dispersing Tool, **"HT1018"**, Rotor Φ12.8, Stator Φ18mm, 10~1000㎖	183,800
DH.WHG02125	(4) Dispersing Tool, **"HT1025"**, Rotor Φ20 , Stator Φ25mm, 50~2500㎖	167,500
SL.Cla8011	Clamp, **"CL200"**, for Stirrer or Homogenizer, Cast Aluminum, Grip Capacity Φ23mm for Stand/Rod	16,250
DH.WOS501510	Standard Plate Stand, **"ST110"**, for Stirrer or Homogenizer, Φ16×h800 mm Rod, w20×d35 cm Plate, with Silicone Pad	95,000
DH.WOS501515	Wide Plate Stand, **"ST120"**, for Stirrer or Homogenizer, Φ23×h1000 mm Rod, w30×d40 cm Plate, with Silicone Pad	111,300

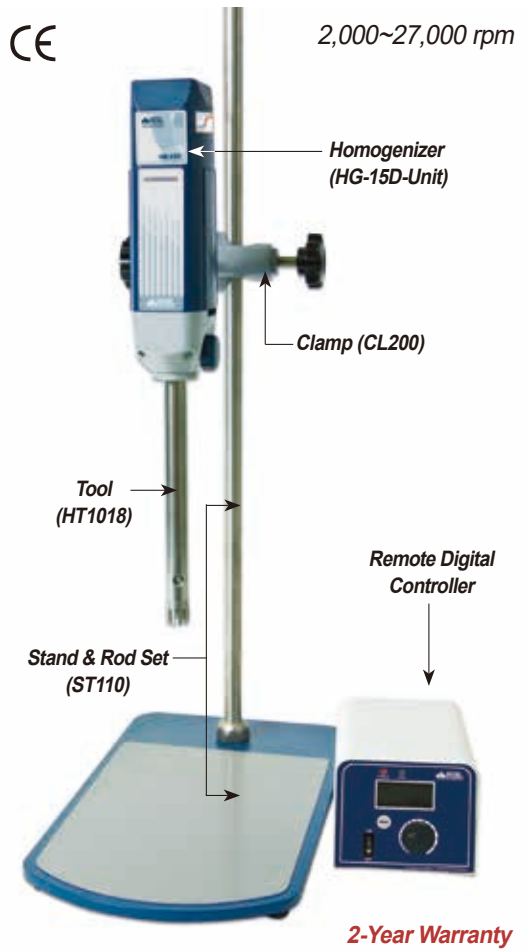
※ **See page 446 for the Specifications of Dispersing Tools and Accessories.**

※ The Price(VAT is extra) for Korean End-user, and Changeable.

DAIHAN® Homogenizer with Remote Digital Controller "HG-15D", 2,000~27,000rpm

With Microprocessor Control, High-Efficiency Dispersing Tools, Back Light LCD, 1~2,500㎖

디지털 균질기/호모지나이저, 분리형 리모트 컨트롤러, 초고속/저소음 모터



A. Homogenizer with Remote Digital Controller "HG-15D-SET-A"

- ***Supplied by DAIHAN Korea*** ■ ***CE Certified*** ■ ***PL (Product Liability) Insurance***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
- ***Patented Jog-Shuttle Control System***
- ∗ Useful for All Dispersing and Homogenizing Applications
- ∗ Designed for Liquid and Tissue Samples
- ∗ High Speed / High Quality / Low Noise : Max. 27,000 RPM (without load)
- ∗ Remote Digital controller : Fully Digital controlled by using Microprocessor
- ∗ Speed & Power Control optimized for a Sample
- ∗ LCD of Speed(RPM) and Power Bar Graph
- ∗ High Efficiency Dispersing Tool made of Stainless-steel and PTFE

Specifications & Ordering information

〈L1〉

Spec. \ Model	A. "HG-15D-SET-A" with HT1018	B. "HG-15D-SET-B" with HT1025	C. "HG-15D" (Unit Only)
Speed Range & Resolution	2,000 ~ 27,000rpm (without load), 10 rpm-Control		
Working Range	1 ~ 2,500㎖		
Motor Rating (Input / Output)	Input : 300W, Output : 160W		
Timer & Alarm	10sec ~ 15min, Timer-end Alarm		
Display	Digital LCD with Back-Light Function		
Controller	Digital Feedback Controller (Remote Type)		
Standard Component Acc.	"**HT1018**" Dispersing Tool, "**CL200**" Clamp, "**ST110**" Stand	"**HT1025**" Dispersing Tool, "**CL200**" Clamp, "**ST110**" Stand	Unit Only
Safety Device	Over Load & Over Heat Protector		
Usable Dispersing Tool	Φ8mm Stator "**HT1008**", Φ10mm Stator "**HT1010**", Φ18mm Stator "**HT1018**", Φ25mm Stator "**HT1025**"		
Material	Aluminum Die-casting and ABS-Unit, Stainless-steel (#304)-Tool		
Permissible Temp & Moisture	Ambient 5℃~50℃, 85%		
Extension Arm Size	Φ12.7×L250mm		
Dimension & Weight	60×75×h215mm, 2.5kg		
Packing Size & Gross Weight	580×340×h230mm, 6kg		
Power Consumption	160W		
Electrical Reqts.	1 Phase, AC 120V, 60Hz or AC 230V, 50 / 60Hz		
Cat. No. 230V	DH.WHG02019	DH.WHG02020	DH.WHG02018
Cat. No. 120V	DH.WHG01019	DH.WHG01020	DH.WHG01018
Price, Each. ₩	808,000	808,000	509,000

∗ **Other Specifications are available upon Customer's Request.**

1~50㎖



(1) Dispersing Tool "HT1008"

1~100㎖



(2) Dispersing Tool "HT1010"

10~1,000㎖



(3) Dispersing Tool "HT1018"

50~2,500㎖



(4) Dispersing Tool "HT1025"

Spare Dispersing Tool & Clamp & Plate Stand

		Ea. Price, ₩
DH.WHG02108	(1) Dispersing Tool, **"HT1008"**, Rotor Φ6, Stator Φ8mm , 1~50㎖	350,000
DH.WHG02110	(2) Dispersing Tool, **"HT1010"**, Rotor Φ7.96, Stator Φ10mm, 1~100㎖	350,000
DH.WHG02118	(3) Dispersing Tool, **"HT1018"**, Rotor Φ12.8, Stator Φ18mm, 10~1000㎖	183,800
DH.WHG02125	(4) Dispersing Tool, **"HT1025"**, Rotor Φ20 , Stator Φ25mm, 50~2500㎖	167,500
SL.Cla8011	Clamp, **"CL200"**, for Stirrer or Homogenizer, Cast Aluminum, Grip Capacity Φ23mm for Stand/Rod	16,250
DH.WOS501510	Standard Plate Stand, **"ST110"**, for Stirrer or Homogenizer, Φ16×h800 mm Rod, w20×d35 cm Plate, with Silicone Pad	95,000
DH.WOS501515	Wide Plate Stand, **"ST120"**, for Stirrer or Homogenizer, Φ23×h1000 mm Rod, w30×d40 cm Plate, with Silicone Pad	111,300

※ **See page 446 for the Specifications of Dispersing Tools and Accessories.**

Articles	Cat. No	Description

1~50㎖



(1) Dispersing Tool "HT1008"

1~100㎖



(2) Dispersing Tool "HT1010"

10 ~1,000㎖



(3) Dispersing Tool "HT1018"

50~2,500㎖



(4) Dispersing Tool "HT1025"



(5) High Quality Clamp (CL200)



(6) Standard Plate Stand (ST110)



(7) Wide Plate Stand (ST120)

Homogenizer Accessory, Dispersing Tool & Plate Stand

1. Dispersing Tool

- *Accurate Stator & Rotor made of Stainless-steel*
- *High Efficiency Dispersing Tool made of Stainless-steel and PTFE*
- *Low Cost & High Efficiency*

〈L1〉

Model	(1) "HT1008"	(2) "HT1010"	(3) "HT1018"	(4) "HT1025"
Working Range	1 ~ 50㎖	1 ~ 100㎖	10 ~ 1,000㎖	50 ~ 2,500㎖
Stator Diameter	Φ8 mm	Φ10 mm	Φ18 mm	Φ25 mm
Rotor Diameter	Φ6 mm	Φ7.96 mm	Φ12.8mm	Φ20 mm
Gap between Rotor & Stator	0.25 mm	0.2 mm	0.25 mm	0.35 mm
Allowable Max. Speed	27,000 rpm		20,000 rpm	15,000 rpm
Immersion Depth Min.	35 mm		60 mm	
Immersion Depth Max	70 mm		130 mm	
Shaft Length	138 mm		225 mm	
Bearing Material	PTFE			
Suitable for Solvent	Yes			
Max. Temperature	180℃			
Sterilization Method	All Methods			
Suspensions & Emulsions	Suspension : 10 ~ 50㎛, Emulsion : 1 ~ 10㎛			
Cat. No.	**DH.WHG02108**	**DH.WHG02110**	**DH.WHG02118**	**DH.WHG02125**
Price, Each. ₩	350,000	350,000	183,800	167,500

* Test Condition : 1.8 liters of water in the 2 liters capacity beaker.

2. Clamp & Plate Stand

		Ea. Price, ₩
SL.Cla8011	(5) Clamp, **"CL200"**, for Stirrer or Homogenizer, L135mm, Cast Aluminum, Grip Capacity Φ23mm for Stand/Rod	16,250
DH.WOS501510	(6) Standard Plate Stand, **"ST110"**, for Stirrer or Homogenizer, Φ16×h800mm Rod, w20×d35cm Plate, with Silicone Pad	95,000
DH.WOS501515	(7) Wide Plate Stand, **"ST120"**, for Stirrer or Homogenizer, Φ23×h1,000mm Rod, w30×d40cm Plate, with Silicone Pad	111,300



Steel Retort Base Duo Stand, for 2×Plain Rods of up to Φ16mm, without Rods

With Nonskid Feet equipped, 2×Level Screw Nut, and Base Thick-8mm, <Germany-Made>

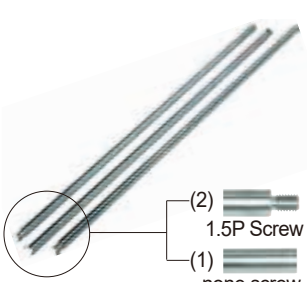
〈L1〉

Retort Stand Base only, acceptable 2 Plain Rod (below Φ16mm)

		Ea. Price, ₩
US.2040	Stand, **"US2040"**, r =150mm	104,380
US.2041	, **"US2041"**, r =185mm	139,000

Optional Stainless-steel Rod

		Ea. Price, ₩
DH.WOS502001	Stainless-steel Rod, **"RD501"**, Φ16×h800mm , Non-screw	23,800
DH.WOS502002	, **"RD502"**, Φ16×h1,000mm, Non-screw	26,300
DH.WOS502003	, **"RD503"**, Φ16×h1,200mm, Non-screw	28,800



Stainless-steel Rod
With or Without 1.5P Screw

DAIHAN® High-Quality Stainless-steel (#304) Rod, for Plate Stand, Φ16 & Φ23 mm

〈L1〉

(1) Plain-type Rod, without Screw

		Ea. Price, ₩
DH.WOS502001	Stainless-steel Rod, **"RD501"**, Φ16×h800mm , Non-screw	23,800
DH.WOS502002	, **"RD502"**, Φ16×h1,000mm, Non-screw	26,300
DH.WOS502003	, **"RD503"**, Φ16×h1,200mm, Non-screw	28,800
DH.WOS502031	, **"RD531"**, Φ23×h800mm , Non-screw	31,300
DH.WOS502033	, **"RD533"**, Φ23×h1,200mm, Non-screw	33,800

(2) 1.5P Screw-type Rod

		Ea. Price, ₩
DH.WOS502011	Stainless-steel Rod, **"RD511"**, Φ16×h800mm , 1.5P Screw	26,300
DH.WOS502012	, **"RD512"**, Φ16×h1,000mm, 1.5P Screw	25,000
DH.WOS502013	, **"RD513"**, Φ16×h1,200mm, 1.5P Screw	28,800
DH.WOS502021	, **"RD521"**, Φ23×h800mm , 1.5P Screw	30,000
DH.WOS502022	, **"RD522"**, Φ23×h1,000mm, 1.5P Screw	30,000
DH.WOS502023	, **"RD523"**, Φ23×h1,200mm, 1.5P Screw	32,500

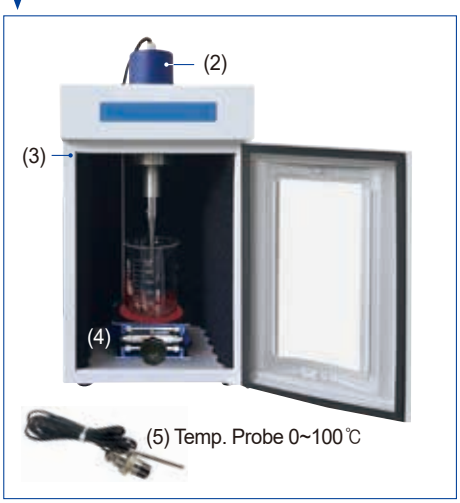
※ The Price(VAT is extra) for Korean End-user, and Changeable.

DAIHAN® Ultrasonic Homogenizer Full Sets, "JY88-IIN" & "JY92-IIN" & "JY98-IIIDN", Up to 1,000㎖, 20-50kHz

With Standard Probe, Automatic Data Storage, Timer(0.1sec~999sec), 디지털 초음파 호모지나이저, 사운드 프로브 박스 & 프로브 포함, 저소음



Ultrasonic Homogenizer Full Sets



Example of Use
※ Beaker is not Included



Spare & Optional Titanium Alloy Probe

- ***Supplied by DAIHAN Korea***
- ***본체, 사운드 프로브 박스, 프로브 세트로 구성되어 경제적이고 편리성이 높음***
- ***사운드 프로브 박스 포함 - 샘플 처리 시 발생하는 소음을 최소화하여 작업 효율성을 높임***
- ***4.3인치 TFT 정전식 터치스크린 제어를 사용하여 쉽게 조작 가능***
- ***Component of Set ;***
  (1) Ultrasonic Generator,
  (2) Sonic System with Standard Horn (Φ6mm for JY88-IIN & JY92-IIN, Φ20mm for JY98-IIIDN),
  (3) Sound Proof Box, (4) Lab Support Jack, (5) Temp. Probe, (6) Power Cable, (7) Fuse, (8) User Manual
- ***Multi-Functional & Multi-Purpose Instrument that Uses Strong Ultrasound to Produce Cavitation Effect in Liquid and Ultrasonically Treat Substances***
- ***Applications : Cell Pulverization, Emulsification, Dispersion, Homogenization, Extraction, Defoaming, Degassing, Acceleration of Chemical Reactions***

* Large LCD Screen & Touch Operation Panel * Power Adjustable
* Realize the Data Display of Man-Machine Friendly Operation Interface at a Glance
* Intelligent Control : Central Computer is used to Control the Total Working Time Centrally
* Strong Sound Insulation - Made of Special Materials, which Greatly Reduces the Noise and Effectively Insulates the Noise
* Durable Probe made by Titanium Alloy Material * Streamlined Appearance Design
* Multiple Models Optional Matching Different Horn with Different Hosts
* Data Storage Function - Can store 20sets of Data, Experimental Data and Convenient Recording
* Liftable Operating Table Set in the Sound Proof Box - Easy to Adjust the Height of the Samples and Take Out
* Can Realize the Voice Alarm Function caused by Malfunction, Over-Temperature or Operation Error

Specifications & Ordering information

〈L1〉

Spec. \ Model	"JY88-IIN"	"JY92-IIN"	"JY98-IIIDN"
Mixing Capacity	0.1-300㎖	0.1-500㎖	1-1000㎖
Power (Continuously Adjustable)	25-250W	10-650W	25-1200W
Frequency Range	20-25kHz		
Probe Included	Φ6mm		Φ20mm
Optional Probe	Φ2mm	Φ2 & Φ12mm	Φ6 & Φ15 & Φ22mm
Single Ultrasound Time	0.1-999s		
Single Gap Time	0.1-999s		
Total Time (Ultrasound + Gap)	1-99h 59m 59s		
Temperature Control Range	0-100℃		
Alarm Function	Temp. Time, Overload, No Load, Over Temperature		
Voice Alarm & Prompt Function	Yes		
Display Mode	Touch Screen		
Data Storage	20 Groups		
Power Supply	220v / 60Hz		
Dimension & Weight	410×225×h290mm, 12kg		410×225×h290mm, 15kg
Packing Size & Gross Weight	470×305×h430mm, 16kg		470×305×h430mm, 19kg
Sound Box Packing Size & Gross Weight	350×350×h550mm, 10kg		
Cat. No.	DH.Hom1001	DH.Hom1002	DH.Hom1003
Price, Set. ₩	2,806,090	3,360,220	5,793,740

Spare & Optional Titanium Alloy Probe

Cat. No.	Probe Size (mm)	Power Range Suitable	Capacity Range	Power Rate	Ea. Price, ₩
DH.Pro7001	Φ2	Power Less than 1000W	0.2-5㎖	1-35%	424,460
DH.Pro7002	Φ6		10-100㎖	1-60%	424,460
DH.Pro7003	Φ12		50-500㎖	20-95%	424,460
DH.Pro7004	Φ15	Power Higher than 1200W	100-600㎖	1-80%	636,680
DH.Pro7005	Φ20		100-1000㎖	10-90%	636,680
DH.Pro7006	Φ22		200-1000㎖	20-95%	636,680



※ Spare Lab Support Jack ⇒ See the "Stands / Supports, Support Jacks" Section !

Articles	Cat. No	Description

DAIHAN® Homogenizing Stirrer "HS-30E", for Tissue Grinder, 200~5,000rpm
Analog Phase Control, without Tissue Grinder, with Certi. & Traceability, 호모지나이저 스터러



B. Homogenizing Stirrer Package-Set "HS-30E"

- ■ Supplied by DAIHAN Korea ■ CE Certified ■ PL (Product Liability) Insurance
- ■ with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System
- ■ Ideal for usage with Tissue Grinders

* Designed for most Laboratory Applications such as Homogenizing or Mixing
* Compact Unit with Solid State Speed Control

Specifications & Ordering information <L1>

Spec. \ Model		A. "HS-30E" Unit Only	B. "HS-30E" Package Set
Speed Range & Max. Torque		200 ~ 5,000 rpm, 85 Ncm	
Stirring Capacity		Max. 10 Lit	
Motor Rating		Input : 83W, Output : 75W, 1/10 HP	
Safety Device		Over Heat Protector	
Controller		Analog Phase Controller	
Consists of		Unit Only	Unit, "CL200" Clamp, "ST110" Stand Set (Rod & Plate)
Dimension & Weight		90×145×h180mm, 3.5kg	
Packing Size & Gross Weight		320×300×h190mm, 5kg	
Power Consumption		75W	
Electric Reqts.		1 Phase, AC 120V, 60Hz or AC 230V, 50 / 60Hz	
Cat. No.	230V	DH.WOS01010	DH.WOS01011
	120V	DH.WOS02010	DH.WOS02011
Price, Each. ₩		392,000	530,000

* Other Specifications are available upon Customer's Request.

※ *Note!* The Package does not Include a Tissue Grinder



※ The Details of Tissue Grinders
⇒ See the "Tissue Grinders" Section !

※ The Price(VAT is extra) for Korean End-user, and Changeable.

DAIHAN SCIENTIFIC GROUP
Your Neighborhood Friend

DAIHAN Scientific

Hotplates and Hotplate Stirrers

Hotplates ..... P. 450~453
- 380℃, Analog & Digital ..... P. 452
- 500℃, Hi-temp Solid Ceramic ..... P. 451
- 550℃, Hi-temp Hi-Light ..... P. 450
- Large Plate, 350℃ ..... P. 453

Hotplate Stirrers ..... P. 454~456
- 380℃, Analog & Digital ..... P. 455
- 500℃, Solid Ceramic Glass Plate ..... P. 454
- Multipoint, 350℃ ..... P. 456



550℃ High-Temp Hi-Light Hotplate



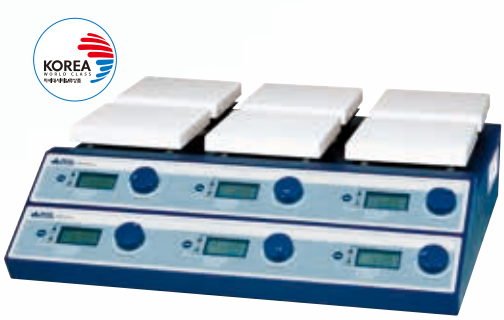
500℃ & 380℃ Hotplates



350℃ Large Plate Hotplates



500℃ & 380℃ Hotplate Stirrers

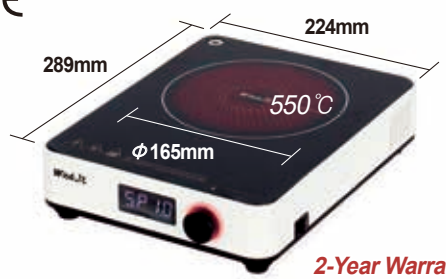


350℃ 6 Places Multi-Hotplate Stirrers

Articles	Cat. No	Description

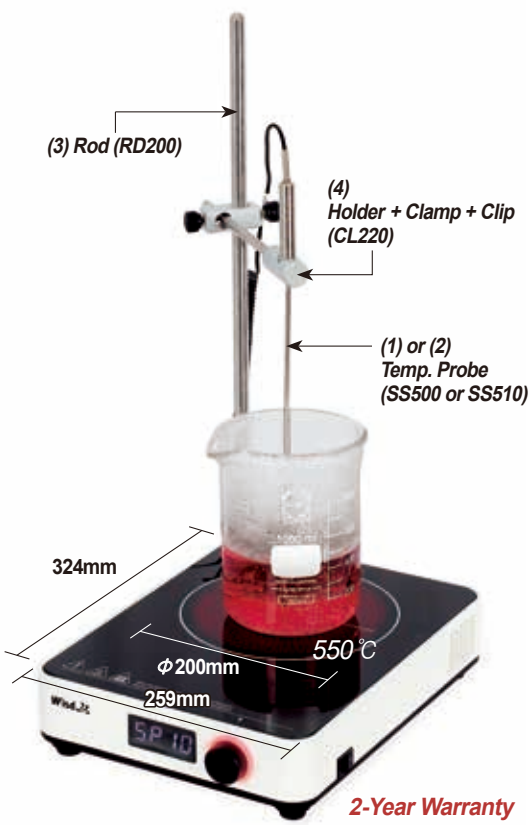
Wisd™ 550℃ High-temp Hi-Light Hotplate "HP-D165" & "HP-D200", Schott NEXTREMA® Ceramic Glass Plate

With Φ165 & Φ200mm Heating Zone, Digital Control, 2×Heating Control Mode, 다용도 하이라이트 고온가열판



2-Year Warranty

I. "HP-D165" Φ165mm Heating Zone
※Holding Stand Acceptable!



2-Year Warranty

II. "HP-D200" Φ200mm Heating Zone
※The Figure; Installation of
Optional Rod, Holder, and Temp Probe

■ *Supplied by DAIHAN Korea* ■ *CE Certified* ■ *PL (Product Liability) Insurance*
■ *Hi-Light Heating Element & Schott NEXTREMA® Ceramic Glass Plate.*
■ *2×Heating Control Mode : Max 550℃ Heating Control*
- Standard Mode : 10-steps Heating Mode without Optional External Temp. Probe.
- Precise Control Mode : 5℃ Control Resolution with Optional External Temp. Probe.
■ *Patented Jog Dial Control System*
■ *with Certificate & Traceability : Controlled by Serial Number, Certificat Delivery-information, and Traceable Data Base System*

∗ High Temperature Indication LED Lamp for Prevention of Burn.
∗ Can be used with Optional External Temperature Probe for Precise Control Mode

Specifications & Ordering Information

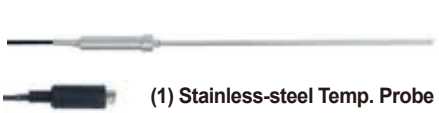
〈L1〉

Spec. \ Model	I. "HP-D165" Φ165mm Heating Zone	II. "HP-D200" Φ200mm Heating Zone
Capacity	Max. 10Lit.	
Temp. Range & Accuracy	100℃~550℃ & ±1.5℃ at 330℃	
Plate Size & Heating Zone	224×289mm, Φ165mm	259×324mm, Φ200mm
Heater & Heating Power	Hi-Light Heating Element	
	1,100W	1,800W
Timer & Alarm	99hr 59min (with Continuous Run), Error	
Controller & Display	Digital Controller & LED Display	
2×Heating Control Mode	∗ Standard Mode : 10-Steps Heating Control Mode without Optional External Temp. Probe	
	∗ Precise Control Mode : 100℃~500℃ Temperature Range Control (5℃ Control Resolution) with Optional External Temp. Probe	
Material	∗ Plate : Schott NEXTREMA® Ceramic Glass Plate. ∗ Housing : PBT & PC	
Dimension(w×d×h) & Weight	232×311×h64mm, 2.13kg	267×346×h64mm, 2.56kg
Electrical Reqts.	1Phase, AC230V, 50/60Hz	
Cat. No.	DH.HtpD0165	DH.HtpD0200
Price, Each. ₩	324,000	338,000

∗ Other Specifications are available upon Customer's Request.

Optional Accessories

		Ea. Price, ₩
DH.WHP503060	(1) External / Direct Contact Temp. Probe, **"SS500",** Stainless-steel, Φ4×L250mm, Cable L190mm	53,800
DH.WHP503061	(2) External / Direct Contact Temp. Probe, **"SS510", Teflon Coated,** Φ4×L250mm, Cable L190mm,	63,800
DH.WHP503036	(3) Stand Rod **"RD200",** Stainless-steel, Φ12×L450mm, 1.5p screw	23,800
DH.WHP503012	(4) Holder / Clamp / Clip, **"CL220",** for Temp. Probe	30,000


(1) Stainless-steel Temp. Probe


(2) Teflon Coated Temp. Probe


(3) Stand Rod "RD200", Stainless-steel

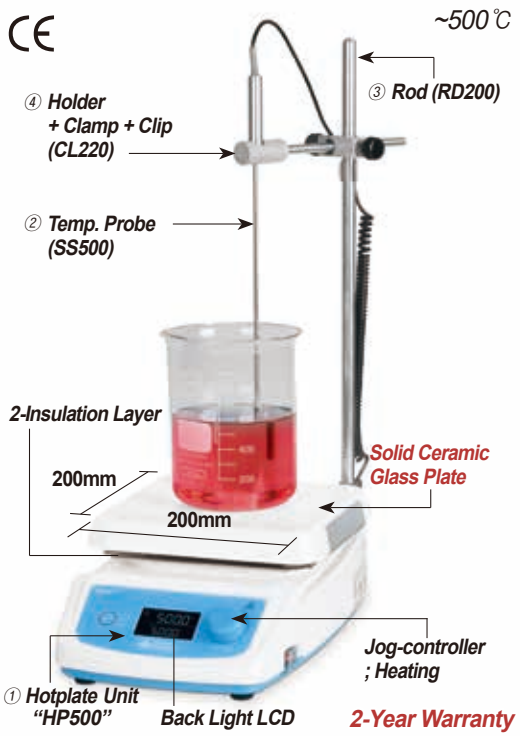

(4) Holder / Clamp / Clip for Temp. Probe

※ The Price(VAT is extra) for Korean End-user, and Changeable.

DAIHAN® Premium 500℃ High-Temp Hotplate "HP500", Solid Ceramic Glass Plate, 200×200mm

With Large LCD, Optimum Insulation Layer, Accurate Temp Control, Touch-button Controller, Hot-Top Indicator, Max. 500℃, Accu. ±0.3℃

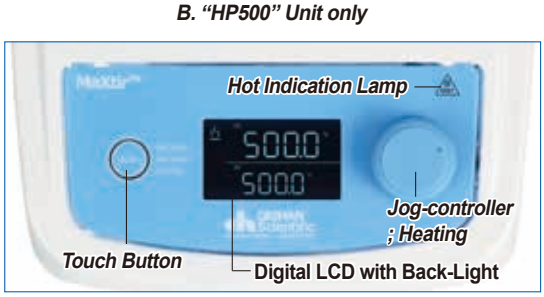
고온용 디지털 가열판, PID 온도 제어, 최적의 방열구조, 내열성/내화학성/내산성 솔리드 세라믹 글라스 플레이트



A. "HP500S" Package-set



B. "HP500" Unit only



Controller of "HP500"

- ■ *Supplied by DAIHAN Korea* ■ *CE Certified* ■ *PL (Product Liability) Insurance*
- ■ *with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System*
- ■ *High-quality Solid Ceramic Glass Plate : Heat-/Chemical-/Acid-Resistance and Easy to Clean*
- ■ *Optimum Insulation Fourfold Layers : BTU + Ceramic Paper + 2 SS Insulation Layer*
- ■ *Maximum Temperature of 500℃* ■ *Ergonomic Design*
- ■ *Microprocessor PID control*
- ■ *Patented Controller "Jog-Dial" and Main Touch Button - Best Durability, Best Mobility, Best Convenient to Operate with Back-Light Function*
- ■ *2 Internal K-type Temp. Sensor Operating Independently : 1 Temp. Control Sensor for Temperature Accuracy and 1 Over Temp. Detection Sensor for User Safety*
- ■ *Hot Top Indicator LED Lamp : Hot Surface(Over 50℃) Warning Lamp for User Safety*

∗ Excellent for Sample Drying and most General Lab Heating Applications
∗ User's Self -Compensation Function : to Control Difference between Real Temp. and Indicated Temp. (±20.0℃)
∗ Accurate Temp. Control of the Sample in the Vessel using PT100 Sensor (Optional)
∗ Storage Function for the set Values : Temp. and Timer
∗ Minimization of Noise and Improved the Product Life
∗ Use of the Special Advanced Insulation for the safety of the Body Temp.
∗ Locking Mode Supported for Experimental Safety (Input to Jog-Dial can be Disabled)

Specifications & Ordering information

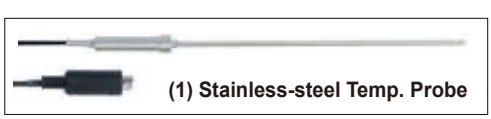
〈L2〉

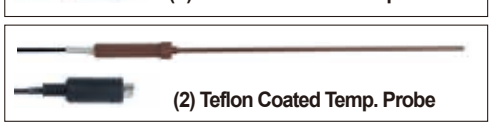
Spec. \ Model		A. "HP500S" (Package-set)	B. "HP500" (Unit Only)
Material	Body	Powder Coated Aluminum	
	Plate	Solid Ceramic Glass Plate, 200×200mm	
Stirring Capa.		Max. 20 Lit	
Temp. Range & Accuracy		Max. 500℃, ±0.3℃ at Set Temperature	
Temp. Resolution		0.1 ℃-Display, 0.5 ℃-Control	
Temp. Uniformity		Specially Designed Heating Module : Temp. Difference 10% less	
Heating Power / Consumption		850W	
Timer & Alarm		99hr 59min (with Continuous run.), Error status & Timer-end	
Display		Digital LCD with Back-Light Function	
Controller		Digital Feedback Controller with Jog Dial (Turn+Push) and Touch button.	
Safety Circuit		Over Temp. Protection Hot Top Indicator LED Lamp	
Included Standard Acc.		① Unit ② Temp. Probe ③ Rod ④ Holder+Clamp	① Unit Only
Permissible Temp. & RH %		Ambient +5 ~ 50℃, 85% RH	
Dimension & Weight		200×332×h114mm, 3.8kg	
Electrical Reqts.		1 Phase, AC 120 V, 60 Hz or AC 230 V, 50 / 60 Hz	
Cat. No.	230V	DH.WHP01500	DH.WHP00500
	120V	DH.WHP01501	DH.WHP00501
Price, Each. ₩		687,000	610,000

∗ Other Specifications are available upon Customer's Request.

Component of Package-set

∗ Package-set : ① Hotplate Unit ② **"SS500"** PT100 External / Direct Contact Temp. Probe, ③ **"RD200"** Stainless-steel Support Rod Φ12×L450mm ④ **"CL220"** Holder+Clamp+Clip for External Temp. Probe


(1) Stainless-steel Temp. Probe


(2) Teflon Coated Temp. Probe


(3) Stand Rod "RD200", Stainless-steel

(4) Holder / Clamp / Clip for Temp. Probe

Optional External Temp Probe · Stand Rod · Holder · Clamp · Clip

		Ea. Price, ₩
DH.WHP503060	(1) External / Direct Contact Temp. Probe, **"SS500",** Stainless-steel, Φ4×L250mm, Cable L190mm	53,800
DH.WHP503061	(2) External / Direct Contact Temp. Probe, **"SS510", Teflon Coated,** Φ4×L250mm, Cable L190mm	63,800
DH.WHP503036	(3) Stand Rod, **"RD200",** Stainless-steel, Φ12×L450mm, 1.5p screw, for **"HP500"**	23,800
DH.WHP503012	(4) Holder / Clamp / Clip, **"CL220",** for Temp. Probe	30,000

Articles	Cat. No	Description

DAIHAN® 380℃ Standard Analog & Digital Hotplate "HP-A" & "HP-D", Ceramic-Coated Plate

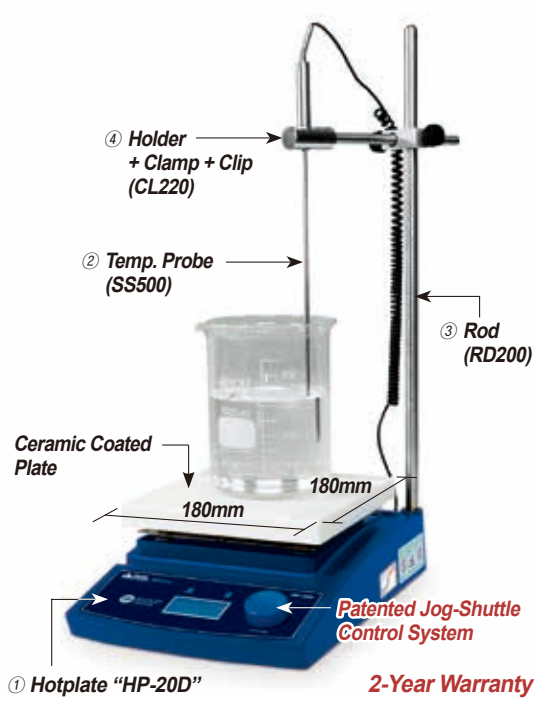
With High Temp Uniformity, 180×180- or 260×260-mm Plate, CE Certified, with Certi. & Traceability

아날로그 & 디지털 정밀 가열판, 우수한 온도균일성 & 경제성, 세라믹 코팅 플레이트

A. 180×180mm Plate,

Ⅰ. Analog Unit "HP-20A"

Ⅱ. Digital Unit & Ⅲ. Package Set "HP-20D" "HP-20D Set"



Ⅲ. Fig ; Digital Package Set (HP-20D Set)

B. 260×260mm Plate,

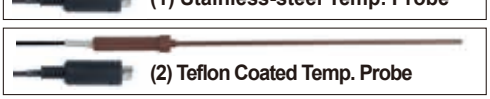
Ⅰ. Analog Unit "HP-30A"

Ⅱ. Digital Unit & Ⅲ. Package Set "HP-30D" "HP-30D Set"



(Ⅱ-B) Digital "HP-30D", 260×260mm Plate


(1) Stainless-steel Temp. Probe


(2) Teflon Coated Temp. Probe

■ Supplied by DAIHAN Korea ■ CE Certified ■ PL (Product Liability) Insurance

■ with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System

* Excellent for Sample Drying and most General Lab Heating Applications
* Superior Temperature Uniformity : Less than 10% on the Plate at Ambient Temperature

Ⅰ. Analog Control Hotplate "HP-A"

* Superior Linearity for Temperature Control by Specially Designed Control Circuitry (PWM control)

Ⅱ. Digital Control Hotplate "HP-D"

■ Patented Jog-Shuttle Control System

* Digital Feedback Control by High-Performance Microprocessor
* Digital LCD Display with Back-Light Function, 0.1℃-Display, 0.5℃-Control
* Temperature Accuracy : ±0.3℃ at Set Temp * Safety Circuit : Over Temp Protection
* Timer : 99hr 59min (with Continuous run), Error status & Timer-end Alarm
* Locking Mode for Experimental Safety Supported (Input to Jog Shuttle can be disabled)
* User's Self-Compensation : to Control Difference between Real Temp & Indicated Temp (±20.0℃)

Ⅲ. Digital Control Hotplate Package-set

* Ⅲ-A. **"HP-20D" Set :** Complete with ① Hotplate **"HP-20D"**, ② **"SS500"** PT100 External / Direct Contact Temp. Probe, ③ **"RD200"** Stainless-steel Support Rod Φ12×L450mm, ④ **"CL220"** Holder+Clamp+Clip for External Temp. Probe
* Ⅲ-B. **"HP-30D" Set :** Complete with ① Hotplate **"HP-30D"**, ② **"SS500"** PT100 External / Direct Contact Temp. Probe, ③ **"RD100"** Stainless-steel Support Rod Φ12.7×L390mm, ④ **"CL220"** Holder+Clamp+Clip for External Temp. Probe

Specifications & Ordering information

〈L1〉

Spec. \ Model		A. 180×180mm Plate (I-A) Analog "HP-20A" (Ⅱ-A) Digital "HP-20D"	B. 260×260mm Plate (I-B) Analog "HP-30A" (Ⅱ-B) Digital "HP-30D"
Plate Size(mm)		180×180mm Plate-type	260×260mm Plate-type
Material	Body	Powder Coated Aluminum	Powder Coated steel
	Plate	Ceramic Coated Aluminum (Chemical / Acid Resistance, Easy to Clean)	
Temp. Range & Uniformity		Max. 380℃ Temp., High Uniformity : Difference 10% less	
Heating Power/Consumption		600 W	1.2 kW
Permissible Temp. & RH %		R/T +5℃~50℃, 85% RH	
Dimension & Weight		206×307×h99mm, 2.8kg	286×387×h99mm, 3.3kg
Packing Size & Gross Weight		400×280×h200mm, 5kg	430×320×200hmm, 5kg
Electrical Reqts.		1 Phase, AC 120V, 60Hz or AC 230V, 50 / 60Hz	
Ⅰ. Analog Unit Only		**(I-A) "HP-20A"**	**(I-B) "HP-30A"**
Cat. No.	230V	DH.WHP03120	DH.WHP03121
	120V	DH.WHP02120	DH.WHP02121
Price, Each. ₩		263,000	473,000
Ⅱ. Digital Unit Only		**(Ⅱ-A) "HP-20D"**	**(Ⅱ-B) "HP-30D"**
Cat. No.	230V	DH.WHP03020	DH.WHP03022
	120V	DH.WHP02020	DH.WHP02022
Price, Each. ₩		353,000	555,000
Ⅲ. Digital Package-set		**(Ⅲ-A) "HP-20D" Set**	**(Ⅲ-B) "HP-30D" Set**
Cat. No.	230V	DH.WHP03021	DH.WHP03023
	120V	DH.WHP02021	DH.WHP02023
Price, Each. ₩		442,000	658,000

* Other Specifications are available upon Customer's Request.

Optional External Temp Probe · Stand Rod · Holder · Clamp · Clip

		Ea. Price, ₩
DH.WHP503060	(1) Temp. Probe, **"SS500", "PT100"**, Φ4×L250mm	53,800
DH.WHP503061	(2) **Teflon Coated** Temp. Probe, **"SS510"**, Φ4×L250mm	63,800
DH.WHP503011	Stand Rod, **"RD100"**, Φ12.7×L390 for **"HP-30A / 30D"**	11,300
DH.WHP503036	, **"RD200"**, Φ12×L450 for **"HP-20A / 20D"**	23,800
DH.WHP503012	Holder / Clamp / Clip, **"CL220"**, for Temp. Probe	30,000

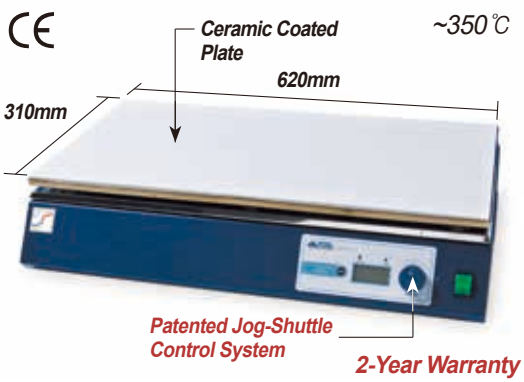
※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description

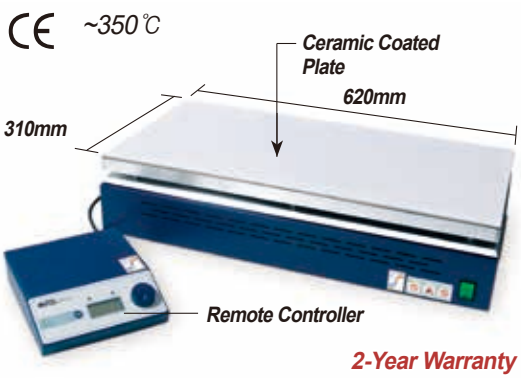
DAIHAN® 350℃ Large Plate Digital Hotplate "HPLP", 310×620mm Ceramic-Coated Plate, Superior Temp Uniformity

Built-in Digital PID Controller or Digital Remote Controller, Back Light LCD, Certificate & Traceability

디지털 대형 정밀 가열판, 디지털 피드백 온도 제어, 디지털 PID 조절기 / 디지털 원격 조절기, 백색 세라믹 코팅판



A. Large Digital Hotplate, with Built-in Digital PID Controller, Ceramic-Coated Plate-type "HPLP620"



B. Large Digital Hotplate, Digital Remote Controller, Ceramic-Coated Plate-type "HPLP620R"

- ***Supplied by DAIHAN Korea*** ■ ***CE Certified*** ■ ***PL (Product Liability) Insurance***
- ***2-Years Warranty*** ■ ***Max Temp : 350℃***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
- ***Superior Temperature Uniformity : Less than 10% on the Plate at Ambient Temperature***
- ***Digital PID Controller***
- ***Patented Jog-Shuttle Control System and Back-Light LCD***

∗ Excellent for Sample Drying and most General lab Heating Applications
∗ Large Heating Area : Ideal for TLC Plate Heating and Surface Heating in Electronic Industries
∗ Superior Temperature Uniformity : Less than 10% on the Plate at Ambient Temperature
∗ Ceramic Coated Plate -Chemical / Acid Prevention

Specifications & Ordering information

<L1>

Spec. \ Models		A. "HPLP620" Built-in Controller	B. "HPLP620R" Remote Controller
Controller		Built-in Digital PID Controller	Digital Remote Controller
Plate Surface		Ceramic-coated	
Plate Size		310×620mm	
Temp. Range & Accuracy		Max. 350℃, ±0.3℃ at Set Temperature	
Temp. Resolution		0.1 ℃-Display, 0.5 ℃-Control	
Temp. Uniformity		Specially Designed Heating Module : Temp. Difference 10% less	
Heating Power/Consumption		2 kW	
Timer & Alarm		99hr 59min (with Continuous run.), Error status & Timer-end	
Display		Digital LCD with Back-Light Function	
Permissible Temp. & RH %		Ambient +5 ~ 50℃, 85% RH	
Dimension & Weight		670×360×h150mm, 16 kg	
Packing Size & Gross Weight		750×430×h220mm, 18 kg	
Electrical Reqts.		1 Phase, AC 120 V, 60 Hz or AC 230 V, 50 / 60 Hz	
Cat. No.	230V	DH.WHP03024	DH.WHP03025
	120V	DH.WHP02024	DH.WHP02025
Price, Each. ₩		849,000	1,133,000

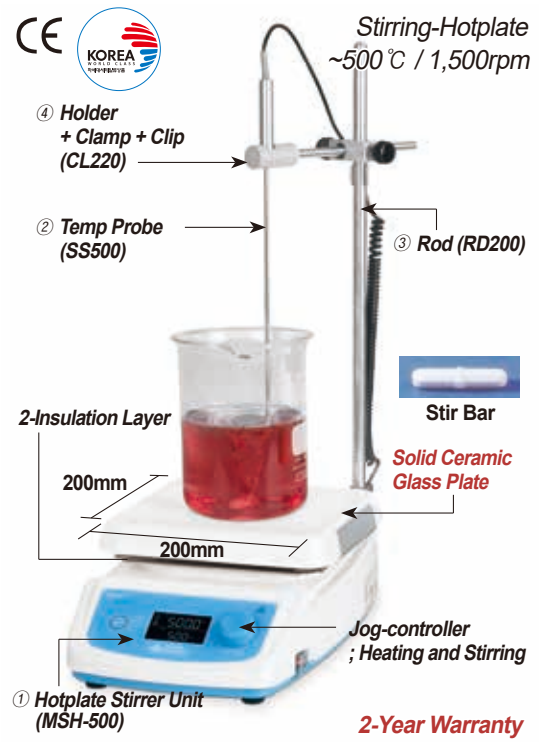
∗ Other Specifications are available upon Customer's Request.

Articles	Cat. No	Description

DAIHAN® Premium 500℃ High-Temp Hotplate Stirrer "MSH500", Solid Ceramic Glass Plate, 200×200mm

With Permanently Brushless Shade Motor(BLAC), Large LCD, Optimum Insulation Layer. Accurate Temp Control, Hot-Top Indicator, 80~1,500rpm

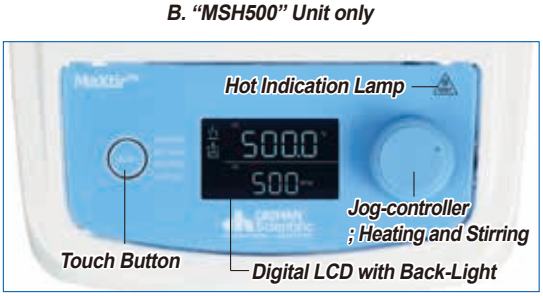
고온용 디지털 가열 자력 교반기, 최적의 방열구조, 디지털 피드백 온도 제어, 내열성 · 내화학성 · 내산성 솔리드 세라믹 글라스 플레이트



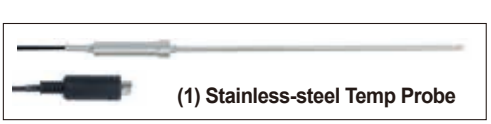
A. "MSH500S" Package-set

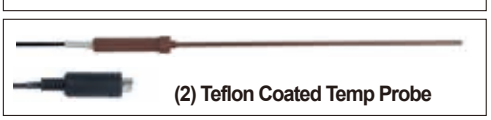


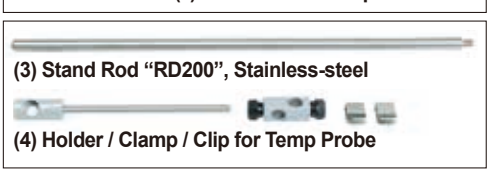
B. "MSH500" Unit only



Controller of "MSH500" model







- ***Supplied by DAIHAN Korea***
- ***CE Certified*** ■ ***PL (Product Liability) Insurance*** ■ ***Ergonomic Design***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
- ***High-quality Solid Ceramic Glass Plate : Heat-/Chemical-/Acid-Resistance and Easy to Clean***
- ***Optimum Insulation Fourfold Layer : BTU + Ceramic Paper + 2 SS Insulation Layer***
- ***Permanently Brushless Shade Motor & Powerful Magnet ensures Powerful Stirring and Precise Speed Control, Minimization Noise***

* Microprocessor PID control
* Patented Controller "Jog-Dial" and Main Touch Button - Best Durability, Best Mobility, Best Convenient to Operate with Back-Light Function
* 2 Internal K-type Temp Sensor Operating Independently :
  - 1 Temp Control Sensor for Temperature Accuracy
  - 1 Over Temp Detection Sensor for User Safety
* Hot Top Indicator LED Lamp : Hot Surface(Over 50℃) Warning Lamp for User Safety
* Excellent for Sample Drying and most General Lab Heating Applications
* User's Self -Compensation Function : to Control Difference between Real Temp and Indicated Temp (±20.0℃)
* Accurate Temp Control of the Sample in the Vessel using PT100 Sensor (Optional)
* Storage Function for the set Values : Temp and Timer
* Use of the Special Advanced Insulation for the safety of the Body Temp
* Locking Mode Supported for Experimental Safety (Input to Jog-Dial can be Disabled)

Specifications & Ordering information

<L2>

Spec. \ Model		A. "MSH500S" (Package-set)	B. "MSH500" (Unit Only)
Material	Body	Powder Coated Aluminum	
	Plate	Solid Ceramic Glass Plate, 200×200mm	
Motor & Stirring Capa.		Permanently Brushless Shade Motor(BLAC), Max. 20 Lit	
Speed & Control Resolution		80~1,500 rpm, 5 rpm	
Temp Range & Accuracy		Max. 500℃, ±0.3℃ at Set Temperature	
Temp Resolution		0.1℃-Display, 0.5℃-Control	
Temp Uniformity		Specially Designed Heating Module : Temp Difference 10% less	
Heating Power / Consumption		850W	
Timer & Alarm		99hr 59min (with Continuous run.), Error status & Timer-end	
Display		Digital LCD with Back-Light Function	
Controller		Digital Feedback Controller with Jog Dial (Turn+Push) and Touch button.	
Stirring Bar		3cm bar-included, Usable : up to 5cm bar	
Safety Circuit		Over Temp Protection, Hot Top Indicator LED Lamp	
included Standard Acc.		1ea Stir Bar, ②Temp Probe ③Rod ④Holder+Clamp	1ea Stir Bar
Permissible Temp & RH %		Ambient +5℃~50℃, 85% RH	
Dimension & Weight		200×332×h114mm, 3.8kg	
Electrical Reqts.		1 Phase, AC 120 V, 60 Hz or AC 230 V, 50 / 60 Hz, with Cord/Plug	
Cat. No.	230V	DH.WMH00500	DH.WMH01500
	120V	DH.WMH00501	DH.WMH01501
Price, Each. ₩		744,000	667,000

* Other Specifications are available upon Customer's Request.

Component of Package-set

* Package-set : ① Hotplate Stirrer Unit ② **"SS500"** PT100 External / Direct Contact Temp Probe, ③ **"RD200"** Stainless-steel Support Rod Φ12×L450mm ④ **"CL220"** Holder+Clamp+Clip for External Temp Probe

Optional External Temp Probe · Stand Rod · Holder · Clamp · Clip

		Ea. Price, ₩
DH.WHP503060	(1) External / Direct Contact Temp Probe, **"SS500"**, Stainless-steel, Φ4×L250mm, Cable L190mm	53,800
DH.WHP503061	(2) External / Direct Contact Temp Probe, **"SS510"**, **Teflon Coated**, Φ4×L250mm, Cable L190mm,	63,800
DH.WHP503036	(3) Stand Rod **"RD200"**, Stainless-steel, Φ12×L450mm, 1.5p screw, for **"MSH500"**	23,800
DH.WHP503012	(4) Holder / Clamp / Clip, **"CL220"**, for Temp Probe	30,000

※ The Price(VAT is extra) for Korean End-user, and Changeable.

DAIHAN® 380℃ Standard Analog & Digital Hotplate Stirrer "MSH-A" & "MSH-D", Ceramic-Coated Plate, 80~1,500 rpm

180×180mm or 260×260mm Plate, with Accurate Temp. Control, Superior Temp Uniformity, with Certi. & Traceability

Permanently Brushless Motor(BLDC), 아날로그 & 디지털 가열 자력 교반기, 우수한 온도제어 · 온도균일성 · 세라믹 코팅 플레이트

A. 180×180mm Plate,

Ⅰ. Analog Unit "MSH-20A"

Ⅱ. Digital Unit & Ⅲ. Package Set

"MSH-20D" "MSH-20D Set"



① Hotplate "MSH-20D"

2-Year Warranty

Ⅲ. Fig ; Digital Package Set (MSH-20D Set)

B. 260×260mm Plate,

Ⅰ. Analog Unit "MSH-30A"

Ⅱ. Digital Unit & Ⅲ. Package Set

"MSH-30D" "MSH-30D Set"



2-Year Warranty

(Ⅱ-B) Digital "MSH-30D", 260×260mm Plate

- Supplied by DAIHAN Korea
- CE Certified
- PL (Product Liability) Insurance
- with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System
- Excellent for Sample Drying and most General Lab Heating Applications
- Permanently Brushless Motor(BLDC)

Ⅰ. Analog PWM Control System "MSH-A"

∗ Superior Linearity PWM Control for Temperature & Stirring Speed

Ⅱ. Digital Microprocessor Control System "MSH-D"

- Patented Jog-Shuttle Control System

∗ Speed & Control Resolution : 80 ~ 1,500 rpm, 5 rpm
∗ Temp Accuracy / Resolution : ±0.3℃ at Set Temp / 0.1℃-Display, 0.5℃-Control
∗ Timer & Alarm : 99hr 59min(with Continuous run), Error status & Timer-end
∗ Safety Circuit : Over Temp Protection
∗ User's Self-Compensation : Control Difference between Real Temp & Indicated Temp (±20.0℃)
∗ Accurate Temp Control of the Sample in the Vessel using PT100 Sensor
∗ Storage Function for the set Values : Temp and Timer
∗ Locking Mode Supported for Experimental Safety (Input to Jog-Shuttle can be Disabled)

Ⅲ. Digital Package-set ; Complete with

∗ **Ⅲ-A. "MSH-20D" Set :** ① Hotplate Stirrer **"MSH-20D"**, ② **"SS500"** PT100 External / Direct Contact Temp Probe, ③ **"RD200"** Stainless-steel Support Rod Φ12×L450mm, ④ **"CL220"** Holder+Clamp+Clip for External Temp Probe

∗ **Ⅲ-B. "MSH-30D" Set :** ① Hotplate Stirrer **"MSH-30D"**, ② **"SS500"** PT100 External / Direct Contact Temp Probe, ③ **"RD100"** Stainless-steel Support Rod Φ12.7×L390mm, ④ **"CL220"** Holder+Clamp+Clip for External Temp Probe

Specifications & Ordering information

<L1>

Spec. \ Model		A. 180×180mm Plate (I-A) Analog "MSH-20A" (Ⅱ-A) Digital "MSH-20D"	B. 260×260mm Plate (I-B) Analog "MSH-30A" (Ⅱ-B) Digital "MSH-30D"
Plate Size(mm)		180×180mm Plate-type	260×260mm Plate-type
Material	Body	Powder Coated Aluminum	Powder Coated steel
	Plate	Ceramic Coated Aluminum (Chemical / Acid Resistance, Easy to Clean)	
Motor & Stirring Capa.		Permanently Brushless Motor(BLDC, Rating : 10w), Max. 20Lit	
Temp Uniformity		Specially Designed Heating Module : Temp Difference 10% less	
Heating Power/Consumption		600W	1.2kW
Stirring Bar		3cm bar-included, Usable : up to 5cm bar	
Permissible Temp & RH %		Ambient +5℃~50℃, 85% RH	
Dimension & Weight		206×307×h99mm, 3.3kg	286×387×h99mm, 3.5kg
Packing Size & Gross Weight		400×280×h200mm, 5kg	430×320×h200mm, 5kg
Electrical Reqts.		1 Phase, AC 120V, 60Hz or AC 230V, 50 / 60Hz	
Ⅰ. Analog Unit Only		**(I-A) "MSH-20A"**	**(I-B) "MSH-30A"**
Cat. No.	230V	DH.WMH03120	DH.WMH03121
	120V	DH.WMH02120	DH.WMH02121
Price, Each. ₩		357,000	568,000
Ⅱ. Digital Unit Only		**(Ⅱ-A) "MSH-20D"**	**(Ⅱ-B) "MSH-30D"**
Cat. No.	230V	DH.WMH03020	DH.WMH03022
	120V	DH.WMH02020	DH.WMH02022
Price, Each. ₩		423,000	630,000
Ⅲ. Digital Package-set		**(Ⅲ-A) "MSH-20D" Set**	**(Ⅲ-B) "MSH-30D" Set**
Cat. No.	230V	DH.WMH03021	DH.WMH03023
	120V	DH.WMH02021	DH.WMH02023
Price, Each. ₩		535,000	758,000

∗ Other Specifications are available upon Customer's Request.



(1) Stainless-steel Temp Probe



(2) Teflon Coated Temp Probe

Optional External Temp Probe · Stand Rod · Holder · Clamp · Clip

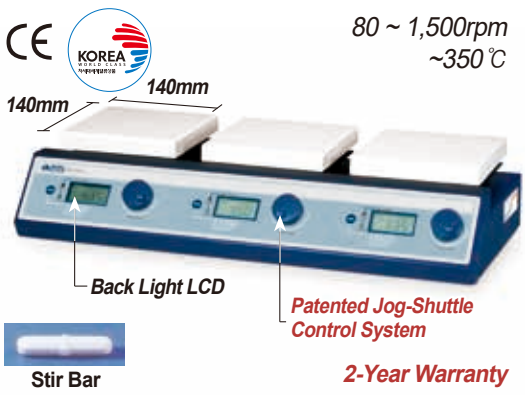
		Ea. Price, ₩
DH.WHP503060	(1) Temp Probe, **"SS500", "PT100"**, Φ4×L250mm	53,800
DH.WHP503061	(2) **Teflon Coated** Temp Probe, **"SS510"**, Φ4×L250mm	63,800
DH.WHP503011	Stand Rod, **"RD100"**, Φ12.7×L390 for **"MSH-30A / 30D"**	11,300
DH.WHP503036	, **"RD200"**, Φ12×L450 for **"MSH-20A / 20D"**	23,800
DH.WHP503012	Holder / Clamp / Clip, **"CL220"**, for Temp Probe	30,000

Articles	Cat. No	Description

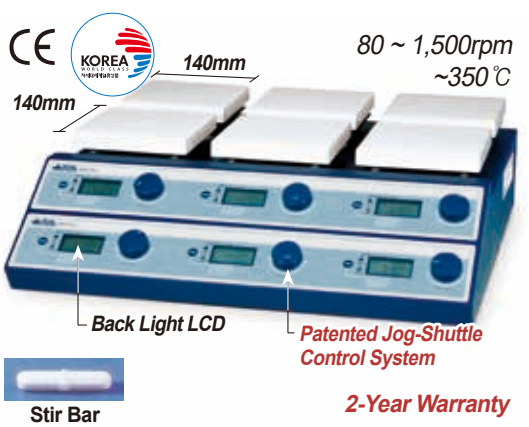
DAIHAN® 350℃ Systematic Multi-Hotplate Stirrer "SMHS", 3- or 6-Places, Ceramic-Coated Plate, 80~1,500 rpm

With Digital Feedback Control, Independent Heating & Stirring Control, Permanently Brushless Motor(BLDC)

멀티 가열 자력 교반기, 우수한 온도균일성, 3- or 6- 구 개별 조절 가능

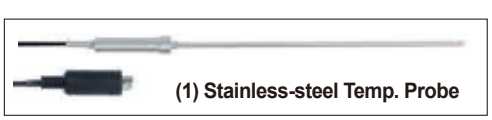


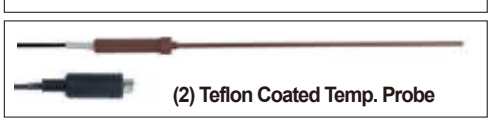
A. 3 Plate-type Multi-Hotplate Stirrer "SMHS-3"

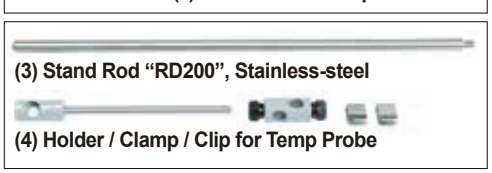


B. 6(3×2) Plate-type Multi-Hotplate Stirrer "SMHS-6"

※ 3 Rear Hotplate Stirrer SMHS-6 have 3 Ports available to connect External Temp Probe


(1) Stainless-steel Temp. Probe


(2) Teflon Coated Temp. Probe


(3) Stand Rod "RD200", Stainless-steel

(4) Holder / Clamp / Clip for Temp Probe

■ *Supplied by DAIHAN Korea* ■ *CE Certified* ■ *PL (Product Liability) Insurance*
■ *with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System*
■ *Excellent for Multi-use and Wide Range Sample Testing*
■ *Patented Jog-Shuttle Control System* ■ *Permanently Brushless Motor(BLDC)*

* Digital Feedback Control by High-Performance Microprocessor
* Ceramic Coated Plate-Chemical/Acid Resistance * Digital Timer Function Included : 99 hr 59 min
* Maximum Temperature of 350℃ with ±0.3℃ Control Accuracy
* Accurate Temp. Control of the Sample in the Vessel using PT100 Sensor (Optional)
* Storage Function for the Set Values : Temperature, RPM and Timer
* Locking Mode for Experimental Safety Supported

Specifications & Ordering information

〈L1〉

Spec. \ Model		A. "SMHS-3" 3 Plates	B. "SMHS-6" 6 Plates
Plate-type		3 Plate-type	6(3×2) Plate-type
Plate Size		140×140mm	
Motor & Stirring Capa.		Permanently Brushless Motor(BLDC), Max. 20Lit(H_2O)	
Motor Rating		9/4W×3	9/4W×6
Speed & Control Resolution		80 ~ 1,500 rpm, 5 rpm	
Temp. Range & Accuracy		Max. 350℃, ±0.3℃ at Set Temp	
Temp. Resolution		0.1℃-Display, 0.5℃-Control	
Temp. Uniformity		Specially Designed Heating Module : Temp Difference 10% less	
Heating Power/Consumption		400 W ×3 Plates	400 W ×6 Plates
Timer & Alarm		99hr 59min (with Continuous run.), Error status & Timer-end	
Display		Digital LCD with Back-Light Function	
Controller		Digital Feedback Controller with Jog Shuttle Switch (Turn+Push)	
Stirring Bar		3cm bar-included, Usable : up to 5cm bar	
Ports for Stand Rod		2ea	4ea
Permissible Temp. & RH %		Room Temp +5℃~50℃, 85% RH	
Material	Body	Powder Coated steel	
	Plate	Ceramic Coated Aluminum	
Dimension & Weight		510×240×h100mm, 10kg	510×410×h180mm, 18kg
Packing Size & Gross Weight		540×330×h170mm, 10kg	570×540×h230mm, 18kg
Electrical Reqts.		1 Phase, AC 120V, 60Hz or AC 230V, 50 / 60Hz	
Cat. No.	230V	DH.WMH03503	DH.WMH03506
	120V	DH.WMH02503	DH.WMH02506
Price, Each. ₩		1,113,000	2,082,000

* Other Specifications are available upon Customer's Request. ※ 운임 별도

※ 3 Rear Hotplate Stirrer SMHS-6 have 3 Ports available to connect External Temp Probe.

Optional External Temp Probe · Stand Rod · Holder · Clamp · Clip

		Ea. Price, ₩
DH.WHP503060	(1) External / Direct Contact Temp Probe, **"SS500"**, Stainless-steel, Φ4×L250mm, Cable L190mm	53,800
DH.WHP503061	(2) External / Direct Contact Temp Probe, **"SS510"**, **Teflon Coated,** Φ4×L250mm, Cable L190mm,	63,800
DH.WHP503036	(3) Stand Rod **"RD200",** Stainless-steel, 1.5p screw, Φ12×L450mm, for **"SMHS"**	23,800
DH.WHP503012	(4) Holder / Clamp / Clip, **"CL220",** for Temp Probe	30,000

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



Hydrometer Set





General Purpose Hydrometer, 0.060-series, Length-165mm
With Scale, 0.700~1.850(0.002) g/㎖, 일반 비중계

■ *Made in Korea* ∗ General Purpose Hydrometers

〈L4〉

Full-set with 19 pcs & case

		Ea. Price, ₩
D5.702S	**Hydrometer-set, 19 pcs,** 0.700 ~ 1.850 g/㎖, (0.002), 165mm	111,130

Individual Hydrometers, Length-165mm

		Ea. Price, ₩
D5.DL01	Hydrometer, Range 0.700 ~ 0.760 g/㎖, Divi. 0.002 g/㎖	4,770
D5.DL02	, Range 0.760 ~ 0.820 g/㎖, Divi. 0.002 g/㎖	4,770
D5.DL03	, Range 0.820 ~ 0.880 g/㎖, Divi. 0.002 g/㎖	4,770
D5.DL04	, Range 0.880 ~ 0.940 g/㎖, Divi. 0.002 g/㎖	4,770
D5.DL05	, Range 0.940 ~ 1.000 g/㎖, Divi. 0.002 g/㎖	4,770
D5.DL06	, Range 1.000 ~ 1.060 g/㎖, Divi. 0.002 g/㎖	4,770
D5.DL07	, Range 1.060 ~ 1.120 g/㎖, Divi. 0.002 g/㎖	4,770
D5.DL08	, Range 1.120 ~ 1.180 g/㎖, Divi. 0.002 g/㎖	4,770
D5.DL09	, Range 1.180 ~ 1.240 g/㎖, Divi. 0.002 g/㎖	4,770
D5.DL10	, Range 1.240 ~ 1.300 g/㎖, Divi. 0.002 g/㎖	4,770
D5.DL11	, Range 1.300 ~ 1.360 g/㎖, Divi. 0.002 g/㎖	4,770
D5.DL12	, Range 1.360 ~ 1.420 g/㎖, Divi. 0.002 g/㎖	4,770
D5.DL13	, Range 1.420 ~ 1.480 g/㎖, Divi. 0.002 g/㎖	4,770
D5.DL14	, Range 1.480 ~ 1.540 g/㎖, Divi. 0.002 g/㎖	4,770
D5.DL15	, Range 1.540 ~ 1.600 g/㎖, Divi. 0.002 g/㎖	4,770
D5.DL16	, Range 1.600 ~ 1.660 g/㎖, Divi. 0.002 g/㎖	4,770
D5.DL17	, Range 1.660 ~ 1.720 g/㎖, Divi. 0.002 g/㎖	4,770
D5.DL18	, Range 1.720 ~ 1.780 g/㎖, Divi. 0.002 g/㎖	4,770
D5.DL19	, Range 1.780 ~ 1.850 g/㎖, Divi. 0.002 g/㎖	4,770

Hydrometer for Sea-water, 0.0005 g/㎖ divi., Length 27cm, 해수/담수 비중계

■ *Made in Korea*

〈L4〉

		Ea. Price, ₩
D5.705A	Hydrometer, Sea, 1.010 ~ 1.040 / 0.0005 g/㎖	25,400
D5.705C	, 1.000 ~ 1.020 / 0.0005 g/㎖	25,400
D5.705AS	, 1.000 ~ 1.030 / 0.0001 g/㎖	23,820



Light Baume-type Heavy Baume-type

Specific-gravity / Baume Hydrometer, Light- & Heavy-type
Ideal for General / Industrial, 보메 비중계

■ *Made in Korea* ∗ 2-type : (1) Light Baume-type (for Lighter than Water),
(2) Heavy Baume-type (for Heavier than Water)

〈L4〉

(1) Light Baume-type

		Ea. Price, ₩
D5.7141	Hydrometer, Baume, 0° ~ 20° (0.1), L30 cm	47,630
D5.7142	, 20° ~ 30° (0.1), L30 cm	47,630
D5.7143	, 30° ~ 40° (0.1), L30 cm	47,630
D5.7144	, 40° ~ 50° (0.1), L30 cm	47,630
D5.7145	, 50° ~ 60° (0.1), L30 cm	47,630
D5.7146	, 60° ~ 70° (0.1), L30 cm	47,630
D5.7147	Hydrometer, Baume, 10° ~ 70° (1), L28 cm	11,120

(2) Heavy Baume-type

		Ea. Price, ₩
D5.7151	Hydrometer, Baume, 10° ~ 72° (1), L28 cm	4,770
D5.7152	, 0° ~ 10° (0.1), L30 cm	36,520
D5.7153	, 10° ~ 20° (0.1), L30 cm	36,520
D5.7154	, 20° ~ 30° (0.1), L30 cm	36,520
D5.7155	, 30° ~ 40° (0.1), L30 cm	36,520
D5.7156	, 40° ~ 50° (0.1), L30 cm	36,520
D5.7157	, 50° ~ 60° (0.1), L30 cm	36,520
D5.7158	, 60° ~ 70° (0.1), L30 cm	36,520



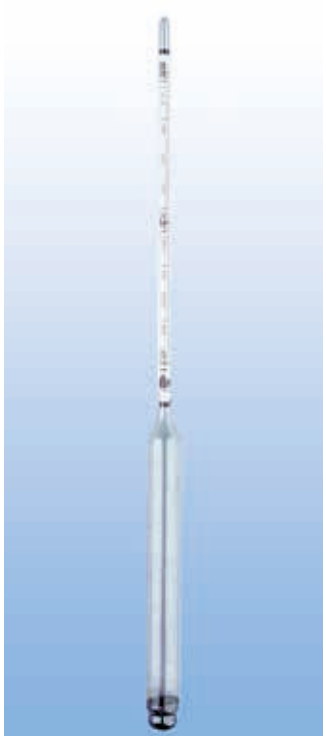
VITLAB® Hydrometer Cylinder, PP, B-class, 500㎖
With Raised Scale, Autoclavable, 125/140℃, <Germany-Made> PP 비중 실린더

∗ Highly Transparent, with Spout and Overflow Vessel.
∗ For Density Measurements Using a Hydrometer.
∗ Hydrometer can be read through the overflow vessel with a completely filled cylinder.
∗ Hexagonal base with bottom studs provides high stability. ∗ DIN 12681 / ISO6706.

〈L1〉

		Ea. Price, ₩
VI.760.941	Hydrometer Cylinder, 500㎖, Divi.5㎖, Φ73×h351mm	46,030

Articles	Cat. No	Description



Alla® Density Range Inspection Hydrometer, Range Finder, 0.700~2.000 g/㎖/0~70 Be
For Determining the Specific Gravity, "D045", Length 300mm, **비중범위 측정용 전역 비중계 / 보메계**

For determining the specific gravity of samples. Calibrated at 20℃. Approximate length 300mm.

■ ***Supplied by Alla® in France***

∗ For determining the Specific Gravity of Samples
∗ Calibrated at 20℃ ∗ Approximate Length : 300mm

〈L1〉

		Ea.	Price, ₩
AL.300B.070	Range 0.700 ~ 2.000g/㎖ / 0~70 Be, Divi. 0.010 g/㎖		25,800

Alla® Wide-Range Hydrometer, for General Purpose, 0.200 - Ranges, Length-300mm, ISO
"D048" 0.600~2.000 g/㎖, Divi. 0.002 g/㎖, **광역비중계**

The wide range of 0.600 ~ 2.000 g/㎖ in 0.002 g/㎖ subdivisions. Calibrated at 20℃. Approximate length 300mm.

■ ***Supplied by Alla® in France***

∗ The Wide Range of 0.600~2.000g/㎖ in 0.002g/㎖ Subdivisions.
∗ Calibrated at 20℃ ▶**Approximate Length : 300mm**

〈L1〉

		Ea.	Price, ₩
AL.302.060	Hydrometer, Length 300mm, Range 0.600 ~ 0.800 g/㎖, Divi. 0.002 g/㎖		16,930
AL.302.080	, Range 0.800 ~ 1.000 g/㎖, Divi. 0.002 g/㎖		11,290
AL.302.100	, Range 1.000 ~ 1.200 g/㎖, Divi. 0.002 g/㎖		11,290
AL.302.120	, Range 1.200 ~ 1.400 g/㎖, Divi. 0.002 g/㎖		12,940
AL.302.140	, Range 1.400 ~ 1.600 g/㎖, Divi. 0.002 g/㎖		16,930
AL.302.160	, Range 1.600 ~ 1.800 g/㎖, Divi. 0.002 g/㎖		16,930
AL.302.180	, Range 1.800 ~ 2.000 g/㎖, Divi. 0.002 g/㎖		35,880



Alla® Precision Hydrometer, 0.100 - Ranges, ISO
With Thermo. or not, 0.600~2.000 g/㎖, Divi. 0.001 g/㎖, L300 / L310mm, **정밀 비중계**

The wide range of 0.600 ~ 2.000 g/㎖ in 0.001 g/㎖ subdivisions. Calibrated at 20℃. Approximate Length 300mm.

■ ***Supplied by Alla® in France***

∗ The Wide Range of 0.600 ~ 2.000g/㎖ in 0.001g/㎖ Subdivisions.
∗ Calibrated at 20℃ ∗ Approximate Length : 300mm

〈L1〉

(1) "D049" Plain Form without Thermometer, L300mm

		Ea.	Price, ₩
AL.301.060	Hydrometer, Range 0.600 ~ 0.700 g/㎖, Divi. 0.001 g/㎖		16,790
AL.301.070	, Range 0.700 ~ 0.800 g/㎖, Divi. 0.001 g/㎖		13,020
AL.301.080	, Range 0.800 ~ 0.900 g/㎖, Divi. 0.001 g/㎖		13,020
AL.301.090	, Range 0.900 ~ 1.000 g/㎖, Divi. 0.001 g/㎖		13,020
AL.301.100	, Range 1.000 ~ 1.100 g/㎖, Divi. 0.001 g/㎖		12,090
AL.301.110	, Range 1.100 ~ 1.200 g/㎖, Divi. 0.001 g/㎖		12,090
AL.301.120	, Range 1.200 ~ 1.300 g/㎖, Divi. 0.001 g/㎖		12,090
AL.301.130	, Range 1.300 ~ 1.400 g/㎖, Divi. 0.001 g/㎖		14,690
AL.301.140	, Range 1.400 ~ 1.500 g/㎖, Divi. 0.001 g/㎖		14,690
AL.301.150	, Range 1.500 ~ 1.600 g/㎖, Divi. 0.001 g/㎖		14,690
AL.301.160	, Range 1.600 ~ 1.700 g/㎖, Divi. 0.001 g/㎖		14,690
AL.301.170	, Range 1.700 ~ 1.800 g/㎖, Divi. 0.001 g/㎖		30,130
AL.301.180	, Range 1.800 ~ 1.900 g/㎖, Divi. 0.001 g/㎖		30,130
AL.301.190	, Range 1.900 ~ 2.000 g/㎖, Divi. 0.001 g/㎖		30,130

(2) "D054" Thermo - Hydrometer, L310mm

		Ea.	Price, ₩
AL.301.060TH	Hydrometer, Range 0.600~0.700 g/㎖, Divi. 0.001g/㎖, Temp. 0℃~40℃(1.0)		77,150
AL.301.070TH	, Range 0.700~0.800 g/㎖, Divi. 0.001g/㎖, Temp. 0℃~40℃(1.0)		59,650
AL.301.080TH	, Range 0.800~0.900 g/㎖, Divi. 0.001g/㎖, Temp. 0℃~40℃(1.0)		59,650
AL.301.090TH	, Range 0.900~1.000 g/㎖, Divi. 0.001g/㎖, Temp. 0℃~40℃(1.0)		59,650
AL.301.100TH	, Range 1.000~1.100 g/㎖, Divi. 0.001g/㎖, Temp. 0℃~40℃(1.0)		55,840
AL.301.110TH	, Range 1.100~1.200 g/㎖, Divi. 0.001g/㎖, Temp. 0℃~40℃(1.0)		55,840
AL.301.120TH	, Range 1.200~1.300 g/㎖, Divi. 0.001g/㎖, Temp. 0℃~40℃(1.0)		55,840
AL.301.130TH	, Range 1.300~1.400 g/㎖, Divi. 0.001g/㎖, Temp. 0℃~40℃(1.0)		59,650
AL.301.140TH	, Range 1.400~1.500 g/㎖, Divi. 0.001g/㎖, Temp. 0℃~40℃(1.0)		59,650
AL.301.150TH	, Range 1.500~1.600 g/㎖, Divi. 0.001g/㎖, Temp. 0℃~40℃(1.0)		59,650
AL.301.160TH	, Range 1.600~1.700 g/㎖, Divi. 0.001g/㎖, Temp. 0℃~40℃(1.0)		59,650
AL.301.170TH	, Range 1.700~1.800 g/㎖, Divi. 0.001g/㎖, Temp. 0℃~40℃(1.0)		85,930
AL.301.180TH	, Range 1.800~1.900 g/㎖, Divi. 0.001g/㎖, Temp. 0℃~40℃(1.0)		90,540
AL.301.190TH	, Range 1.900~2.000 g/㎖, Divi. 0.001g/㎖, Temp. 0℃~40℃(1.0)		108,280

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



Alla® ASTM Hydrometer, Specific Gravity Scale, E100, ASTM 비중계

Manufactured according to the latest standards published by the ASTM E100. Calibration temperature : 60/60°F (15.56℃) - Graduated in specific gravity. Can be supplied with Calibration certificate "EU" if you need.

■ ***Supplied by Alla® in France***

* ASTM E100/E126
* Calibration temperature : 60/60 °F(15.56℃)
* Calibration Certificate "EU": Optional charge

〈L1〉

Cat. No.	ASTM No.	Range	Divi.	L(mm)	Ea. Price ₩
(1) "D027" for Medium & High Surface Tension, Divi. 0.001, Length 270mm-Series					
AL.351M065ASSG	102H62	0.650 ~ 0.700	0.001	270	24,590
AL.351M070ASSG	103H62	0.700 ~ 0.750	0.001	270	24,590
AL.351M075ASSG	104H62	0.750 ~ 0.800	0.001	270	24,590
AL.351M080ASSG	105H62	0.800 ~ 0.850	0.001	270	24,590
AL.351M085ASSG	106H62	0.850 ~ 0.900	0.001	270	24,590
AL.351M090ASSG	107H62	0.900 ~ 0.950	0.001	270	24,590
AL.351M095ASSG	108H62	0.950 ~ 1.000	0.001	270	24,590
AL.351M100ASSG	125H62	1.000 ~ 1.050	0.001	270	24,590
AL.351M105ASSG	126H62	1.050 ~ 1.100	0.001	270	27,730
AL.351M110ASSG	127H62	1.100 ~ 1.150	0.001	270	27,730
AL.351M115ASSG	128H62	1.150 ~ 1.200	0.001	270	27,730
AL.351M120ASSG	129H62	1.200 ~ 1.250	0.001	270	27,730
AL.351M125ASSG	130H62	1.250 ~ 1.300	0.001	270	27,730
AL.351M130ASSG	131H62	1.300 ~ 1.350	0.001	270	27,730
AL.351M135ASSG	132H62	1.350 ~ 1.400	0.001	270	32,780
AL.351M140ASSG	133H62	1.400 ~ 1.450	0.001	270	32,780
AL.351M145ASSG	134H62	1.450 ~ 1.500	0.001	270	32,780
AL.351M150ASSG	135H62	1.500 ~ 1.550	0.001	270	32,780
AL.351M155ASSG	136H62	1.550 ~ 1.600	0.001	270	32,780
AL.351M160ASSG	137H62	1.600 ~ 1.650	0.001	270	32,780
AL.351M165ASSG	138H62	1.650 ~ 1.700	0.001	270	45,880
AL.351M170ASSG	139H62	1.700 ~ 1.750	0.001	270	45,880
AL.351M175ASSG	140H62	1.750 ~ 1.800	0.001	270	45,880
AL.351M180ASSG	141H62	1.800 ~ 1.850	0.001	270	49,140

Cat. No.	ASTM No.	Range	Divi.	L(mm)	Ea. Price ₩
(2) "D026", "D027" for Low & Medium Surface Tension, Divi. 0.005, Length 335mm-Series					
AL.352L065ASSG	82H62	0.650 ~ 0.700	0.0005	335	39,750
AL.352L070ASSG	83H62	0.700 ~ 0.750	0.0005	335	39,750
AL.352L075ASSG	84H62	0.750 ~ 0.800	0.0005	335	39,750
AL.352L080ASSG	85H62	0.800 ~ 0.850	0.0005	335	39,750
AL.352L085ASSG	86H62	0.850 ~ 0.900	0.0005	335	39,750
AL.352L090ASSG	87H62	0.900 ~ 0.950	0.0005	335	39,750
AL.352L095ASSG	88H62	0.950 ~ 1.000	0.0005	335	39,750
AL.352L100ASSG	89H62	1.000 ~ 1.050	0.0005	335	41,620
AL.352L105ASSG	90H62	1.050 ~ 1.100	0.0005	335	41,620
AL.352L110ASSG	113H62	1.100 ~ 1.150	0.0005	335	41,620
AL.352L115ASSG	114H62	1.150 ~ 1.200	0.0005	335	41,620
AL.352L120ASSG	115H62	1.200 ~ 1.250	0.0005	335	41,620
AL.352L125ASSG	116H62	1.250 ~ 1.300	0.0005	335	41,620
AL.352L130ASSG	117H62	1.300 ~ 1.350	0.0005	335	44,540
AL.352L135ASSG	118H62	1.350 ~ 1.400	0.0005	335	44,540
AL.352L140ASSG	119H62	1.400 ~ 1.450	0.0005	335	44,540
AL.352L145ASSG	120H62	1.450 ~ 1.500	0.0005	335	44,540
(3) "D038" for Soil Length 280mm					
AL.347.038ASSG	151H62	0.995 ~ 1.038 SP.GR		280	61,000



Alla® ASTM/API Petroleum Hydrometer, "D029"

Without Thermometer, API Gravity, −1~91°, 0.1°, L335mm, ASTM/API 석유 비중계

ASTM E100/E126. Calibrated at 60°F(15.56℃).
Can be supplied with Calibration certificate if you need.

■ ***Supplied by Alla® in France***

* ASTM E100 / E126
* Calibrated Temperature : 60°F(15.56℃)
* without Thermometers
* They are Calibrated for a Law Surface Tension (16~35mN/m).
* Calibration Certificate : Optional charge

〈L1〉

Cat. No.	ASTM No.	API Range	API Division	Length(mm)	Ea. Price₩
AL.340.001API	1H62	-1 ~ 11°	0.1°	335	41,850
AL.340.009API	2H62	9 ~ 21°	0.1°	335	41,850
AL.340.019API	3H62	19 ~ 31°	0.1°	335	41,850
AL.340.029API	4H62	29 ~ 41°	0.1°	335	41,850
AL.340.039API	5H62	39 ~ 51°	0.1°	335	41,850
AL.340.049API	6H62	49 ~ 61°	0.1°	335	41,850
AL.340.059API	7H62	59 ~ 71°	0.1°	335	41,850
AL.340.069API	8H62	69 ~ 81°	0.1°	335	41,850
AL.340.079API	9H62	79 ~ 91°	0.1°	335	41,850

Articles	Cat. No	Description



(1) (2)

Alla® Milk Hydrometer, "D082", g/mℓ & % milk fat Hydrometer, L165 & L200mm
Without Thermometer, 1.000~1.040 g/mℓ(0.001g/mℓ) & 0~4% milk fat(1% milk fat), 유지방 비중계

■ ***Supplied by Alla® in France***
* For Determining the Density of Milk
* Reading upper Meniscus
* Calibrated at 20℃ = 68°F
* Surface Tension : 45mN/m
* Unit of Measure : (1) g/mℓ / (2) % milk fat
* Negative Scale

〈L1〉

		Ea. Price, ₩
AL.2200.FG100	(1) Hydrometer, Milk, 1~1.040 g/mℓ, Divi 0.001g/mℓ, accu. ± 0.002g/mℓ, L165×under Φ14 / upper Φ3mm	14,730
AL.2200.FG038	(2) Hydrometer, Milk, 0~4% Milk fat, Divi 1% Milk fat., accu. ±1% Milk fat., L200×under Φ15 / upper Φ3mm	23,880

Alla® Thermo-Alcoholometer, "D079" 0℃~40℃ (1℃), 0~100% Vol.(0.5 & 1%Vol.)
With Certificate of Conformity, L370mm & L335mm, 온도계부 주정계

■ ***Supplied by Alla® in France***
* For Determining the Range of Alcohol
* Thermometers in the Body

■ ***Delivered with a Certificate of Conformity.***
* Calibrated at 20℃ = 68°F
* Dimension : under Φ20 / upper Φ10mm

〈L1〉

(1) Thermo-Alcohol Range Finders, 1% Vol., 0~100% Vol., 0.5 Cartier, L370mm

		Ea. Price, ₩
AL.0500.TP000	Alcoholometer, Range 0~100% Vol., Divi. 1% Vol., accu. ±1%Vol.	51,850

(2) Precision Thermo-Alcoholmeters, 0.5% Vol., 0~100% Vol., L335mm

		Ea. Price, ₩
AL.0530.TP000	Alcoholometer, Range 0 ~ 35% Vol., Divi. 0.5% Vol., accu. ±0.5%Vol.	54,780
AL.0530.TP035	, Range 35 ~ 70% Vol., Divi. 0.5% Vol., accu. ±0.5%Vol.	54,780
AL.0530.TP070	, Range 70 ~ 100% Vol., Divi. 0.5% Vol., accu. ±0.5%Vol.	54,780



Thermo-Alcoholometer (AL.0500TP000)



AL.0500TP000

Alla® BRIX Saccharometer, Sugar Hydrometers, ISO, BRIX, 당도계

For determining the % by weight of sucrose. Calibrated at 20℃.

■ ***Supplied by Alla® in France***
* Calibrated Temperature : 20℃ * 1° Brix = 1% by Weight

〈L1〉

(1) "D070" Sugar Range Finders, Without Temp., Length 270mm

		Ea. Price, ₩
AL.391.000FC	Saccharometer, Range 0 ~ 30 % mas, Divi. 1 % mas	27,970
AL.391.030FC	, Range 30 ~ 60 % mas, Divi. 1 % mas	30,070

(2) "D072" BRIX Saccharometers, Length 350mm, 0.1% mas

		Ea. Price, ₩
AL.390.000TH	Saccharometer, Range 0 ~ 10 % mas, Divi. 0.1 % mas	19,270
AL.390.010TH	, Range 10 ~ 20 % mas, Divi. 0.1 % mas	19,270
AL.390.020TH	, Range 20 ~ 30 % mas, Divi. 0.1 % mas	19,270
AL.390.030TH	, Range 30 ~ 40 % mas, Divi. 0.1 % mas	19,270
AL.390.040TH	, Range 40 ~ 50 % mas, Divi. 0.1 % mas	21,750
AL.390.050TH	, Range 50 ~ 60 % mas, Divi. 0.1 % mas	21,750

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description

SciLab® 1.7/2.5 & 2.7/4 Lit Ice Bucket, EVA-foam, with Lid, Excellent Thermal Insulation
Useful for Dry Ice · Liquid N_2 · Water Ice, −196℃(in gas phase)+93℃, 1.7/2.5 & 2.7/4 Lit 아이스 버킷

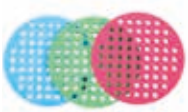




(1) 2.5 Lit Ice Bucket



(2) 4 Lit Ice Bucket



(3-①) for 1.5/2㎖ 65 Holes



(3-②) for 15㎖ 37 Holes

■ Made in Korea ***■ Made of EVA-Ethylene Vinyl Acetate-foam***
■ 뚜껑을 덮을 경우 각각 1.7 & 2.7Lit 이고 뚜껑을 열고 사용할 경우 2.5 & 4Lit
■ 냉매에 잘 견디는 장점과 높은 내구성을 지님 ∗ Easy Handling with Steady Rim, Lid and 3 Color
∗ High Impact Resistance, Excellent water Proof, Very Smooth Surface, and Good Chemical Resistance
∗ Outer Size : ① 1.7/2.5Lit → Top Φ25.5 / Base Φ19.0×H 11.5cm, 1.7/2.5Lit (full, without Lid)
② 2.7/4Lit → Top Φ25.5 / Base Φ16.5×H 17.5cm, 2.7/4Lit (full, without Lid)

〈L1〉

(1) Buckets with Lid, 1.7/2.5 Lit (Full Volume without Lid)

		Pk.	Price, ₩
SL.Buc3001	**EVA 1.7/2.5Lit Ice Bucket**, Φ25.5/19.0×h 11.5cm, **Blue**	1ea	68,800
SL.Buc3002	, **Green**	1ea	68,800
SL.Buc3003	, **Red**	1ea	68,800

(2) Buckets with Lid, 2.7/4 Lit (Full Volume without Lid)

		Pk.	Price, ₩
SL.Buc3005	**EVA 2.7/4Lit Ice Bucket**, Φ25.5/16.5×h 17.5cm, **Blue**	1ea	81,300
SL.Buc3006	, **Green**	1ea	81,300
SL.Buc3007	, **Red**	1ea	81,300

(3) Tube Rack, for 1.5/2㎖-65 Holes and for 15㎖-37 Holes

		Pk.	Price, ₩
SL.Buc3011	① **1.5 / 2㎖ Tube Rack, 65 Holes,** Φ195mm, Hole Φ11mm, **Blue**	1ea	10,000
SL.Buc3012	, **Green**	1ea	10,000
SL.Buc3013	, **Red**	1ea	10,000
SL.Buc3016	② **15㎖ Tube Rack, 37 Holes,** Φ195mm, Hole Φ18mm, **Blue**	1ea	10,000
SL.Buc3017	, **Green**	1ea	10,000
SL.Buc3018	, **Red**	1ea	10,000



4.5 / 6.2 Lit.

Azlon® 4.5/6.2 Lit Square Ice Bucket, with Lid and Handle, PU-foam
Useful for Water-ice · Dry-ice · Salt Solutions, −40℃+90℃ Stable, 4.5/6.2 Lit PU 아이스 버킷

■ Supplied by Azlon® in UK ***■ Blue & Green Skinned PU(Polyurethane) Foam***
■ 뚜껑을 덮을 경우 4.5Lit 이고 뚜껑을 열고 사용할 경우 6.2Lit(Full Volume without Lid) 임
■ Ideal for Separating Work Areas by Color-code. 330×330×h180mm ∗ Octagonal Shape for Easy Stacking & Stability.
∗ With Lid and Integral Handles allow Easy Lifting & Carrying. ∗ Not Suitable for Use with Solvents.

〈L1〉

		Ea.	Price, ₩
Az.IBB002P	Ice Bucket, PU, 4.5 / 6.2 Lit, 330×330×h180mm, Blue		212,890
Az.IBB003P	, Green		212,890



20-hole Floating Rack, PP, for 1.5㎖ & 2㎖ Micro Centrifuge Tubes, with Detachable Legs
Ideal for Use with Ice Buckets/Pans, Φ98 & h60mm, 플로팅 랙, 아이스 버킷/워터배스용에 적합

■ Supplied by DAIHAN Korea ∗ -196℃(in Vapor-phase) +125/140℃ Autoclavable
∗ Ideal for use with Ice Buckets · Pans · Water Bath ∗ Attach Legs so Rack Stands Upright on Bench Top
Detach Legs so Sample can be quickly out by Pushing down onto any Surface

〈L1〉

		Ea. Price,₩	Cs.	Price,₩
DH.Rac3013	Microtube Rack, PP, for 1.5㎖ & 2㎖ Tube, Φ98×h60mm, 20Hole	12,900	4ea	47,730

SciLab® 1 · 2.7 · 4 · 9Lit Ice Bucket/Pan, EVA-foam, without Lid, Excellent Thermal Insulation, 3 Colors(Blue, Green, Red)
Useful for Water-Ice · Dry-Ice · Liquid N_2, −196℃(in gas phase)+93℃, 1 · 2.7 · 4 · 9Lit 4각 아이스 버킷/팬





1Lit



2.7Lit



4Lit



9Lit

■ Made in Korea ***■ Made of EVA-Ethylene Vinyl Acetate foam*** ***■ 촉감이 부드럽고 인체 무해한 고급원료를 사용***
∗ Good Finished ; Very Smooth Surface ∗ High Durability and Excellent Insulating Properties
∗ High Impact Resistance, Excellent water Proof, and Good Chemical Resistance

〈L1〉

(1) 1Lit EVA-foam Bucket/Pan, without Lid

		Ea.	Price, ₩
SL.Buc3021	**EVA 1Lit Ice Bucket/Pan**, Outer Size ; 15.5×15.5×h9.0cm, **Blue**		40,000
SL.Buc3022	, **Green**		40,000
SL.Buc3023	, **Red**		40,000

(2) 2.7Lit EVA-foam Bucket/Pan, without Lid

		Ea.	Price, ₩
SL.Buc3025	**EVA 2.7Lit Ice Bucket/Pan,** Outer Size ; 26.0×21.0×h11.5cm, **Blue**		56,300
SL.Buc3026	, **Green**		56,300
SL.Buc3027	, **Red**		56,300

(3) 4Lit EVA-foam Bucket/Pan, without Lid

		Ea.	Price, ₩
SL.Buc3031	**EVA 4Lit Ice Bucket/Pan**, Outer Size ; 31.0×22.5×h11.8cm, **Blue**		68,800
SL.Buc3032	, **Green**		68,800
SL.Buc3033	, **Red**		68,800

(4) 9Lit EVA-foam Bucket/Pan, without Lid

		Ea.	Price, ₩
SL.Buc3035	**EVA 9Lit Ice Bucket/Pan**, Outer Size ; 41.0×33.0×h12.5cm, **Blue**		87,500
SL.Buc3036	, **Green**		87,500
SL.Buc3037	, **Red**		87,500

Articles	Cat. No	Description

SciLab® 3/4 & 6.5/9Lit Ice Bucket, EVA-foam, with Handle & Lid, Excellent Thermal Insulation, 3 Colors(Blue, Green, Red)

Useful for Water-Ice · Dry-Ice · Liquid N_2, −196℃(in gas phase)+93℃, 3/4 & 6.5/9 Lit 4각 손잡이 일체형 아이스 버킷 & 뚜껑부


4Lit


9Lit



■ *Made in Korea* ■ *Made of EVA-Ethylene Vinyl Acetate foam*
■ *뚜껑을 덮을 경우 각각 3 & 6.5Lit 이고 뚜껑을 열고 사용할 경우 4 & 9Lit*
■ *손잡이가 있어 운반이 편리함* ■ *뚜껑이 포함되어 외부로부터 내용물을 안전하게 보관*
∗ Good Finished ; Very Smooth Surface ∗ High Durability and Excellent Insulating Properties
∗ High Impact Resistance, Excellent water Proof, and Good Chemical Resistance
∗ Outer Size : ① 4Lit → 31.5×22.5×h12.0cm(except Handle) ② 9Lit → 43.0×33.0×h12.0cm(except Handle)

〈L1〉

(1) EVA-foam Buckets with Handle & Lid, 3/4Lit ; full volume without Lid

		Ea. Price, ₩
SL.Buc3041	**EVA 4Lit Ice Bucket with Handle & Lid**, 31.5×22.5×h12.0cm, **Blue**	91,200
SL.Buc3042	, **Green**	91,200
SL.Buc3043	, **Red**	91,200

(2) EVA-foam Buckets with Handle & Lid, 6.5/9Lit ; full volume without Lid

		Ea. Price, ₩
SL.Buc3045	**EVA 9Lit Ice Bucket with Handle & Lid**, 43.0×33.0×h12.0cm, **Blue**	113,000
SL.Buc3046	, **Green**	113,000
SL.Buc3047	, **Red**	113,000

SciLab® 5Lit Ice Pan, EVA-foam, without Lid, Excellent Thermal Insulation, 2 Colors(Blue, Red)

Useful for Water-Ice · Dry-Ice · Liquid N_2, −196℃(in gas phase)+93℃, 5 Lit 4각 아이스 팬




5Lit

■ *Made in Korea* ■ *Made of EVA-Ethylene Vinyl Acetate foam* ■ *뛰어난 보냉효과, 결로현상 및 부식 방지*
∗ Good Finished ; Very Smooth Surface ∗ Outer Size : 5Lit → 40.5×23.0×h11.0cm
∗ High Impact Resistance, Excellent water Proof, and Good Chemical Resistance

〈L1〉

		Ea. Price, ₩
SL.Buc3051	**EVA 5Lit Ice Pan without Lid**, 40.5×23.0×h11.0cm, **Blue**	70,400
SL.Buc3053	, **Red**	70,400



SciLab® 35- & 17-hole Floating Rack, PP, for 1.5-/ 2.0-㎖ & 15㎖ Tubes, Autoclavable

Ideal for Use with Ice Buckets/Pans/Φ13~17.5mm Tubes, 플로팅 랙, 아이스 버킷/워터배스용에 적합

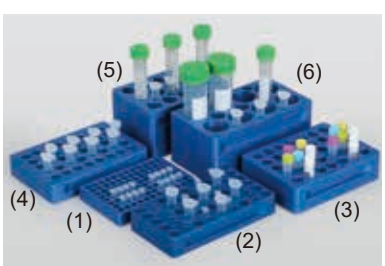
■ *Made in Korea* ∗-196℃(in Vapor-phase) +125/140℃ Autoclavable ∗ Ideal for use with Ice Buckets/Pans/Water Bath
∗ 2 items : (1) 35-hole Rack for 1.5/2㎖, Φ13mm Tube/Vials (2) 17-hole Rack for 15㎖, Φ17mm Tube/Vials
∗ Good Chemical Resistance ∗ Size : 145×95×h 35mm

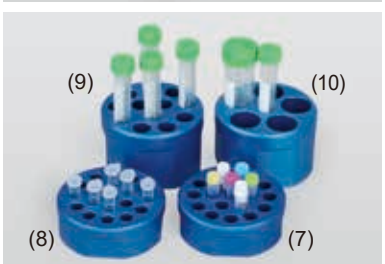
〈L1〉

		Ea. Price, ₩
SL.Rac3011	Rack, Φ13mm×35holes , 145×95×h 35mm, Natural	10,000
SL.Rac3012	, Φ17.5mm×17holes, 145×95×h 35mm, Natural	10,000

SciLab® Solid Anodized Aluminum Block, Rectangular & Round, for Samples Cooling

For Flat & Conical Bottom PCR Tubes, Cryo Vials & 1.5 · 2.0 · 15 · 50㎖ Tubes, 알미늄 블록/쿨링 랙, 사각 & 원형







■ *Made in Korea* ■ *High Durability and Excellent Insulating Properties*
■ *Made of Solid Anodized Aluminum Blocks for Flat & Conical Bottom Tubes; Excellent Heat Transfer*
∗ for Conical & Flat Bottom PCR Tubes, Cryo Vails, Tubes ∗ Useful for water Ice, Dry Ice, and LN_2(Liquid Nitrogen)

1. Rectangular Aluminum Block

〈L1〉

#.	Cat.No	Use for	Dimensions(mm)	Hole Size			Ea. Price, ₩
				Wells	I.D(mm)	D(mm)	
(1)	SL.Buc8001	PCR Tubes	116×80×h15	96	Φ 6	13	170,000
(2)	SL.Buc8002	1.5㎖ Tubes	150×80×h25	25	Φ 11	23	170,000
		PCR Tubes		32	Φ 6	13	
(3)	SL.Buc8003	Cryo Vials	135×100×h35	35	Φ 25	25	200,000
(4)	SL.Buc8004	1.5 & 2㎖Tubes	140×95×h25	40	Φ 11	23	170,000
(5)	SL.Buc8005	1.5㎖ Tubes	130×85×h65	8	Φ 11	23	260,000
		15㎖ Tubes		15	Φ 15	55	
(6)	SL.Buc8006	1.5㎖ Tubes	156×87×h65	6	Φ 11	23	280,000
		15㎖ Tubes		3	Φ 16	55	
		50㎖ Tubes		8	Φ 30	55	

2. Round Aluminum Block

#.	Cat.No	Use for	Dimensions(mm)	Hole Size			Ea. Price, ₩
				Wells	I.D(mm)	D(mm)	
(7)	SL.Buc8011	Cryo Vials	Φ 100×h35	19	Φ 12	25	170,000
(8)	SL.Buc8012	1.5 & 2㎖Tubes	Φ 100×h35	19	Φ 11	25	170,000
(9)	SL.Buc8013	15Tubes	Φ 100×h65	12	Φ 15	55	223,000
(10)	SL.Buc8014	50㎖ Tubes	Φ 100×h65	5	Φ 30	55	223,000
				1	Φ 15	55	

※ The Price(VAT is extra) for Korean End-user, and Changeable.

DAIHAN® 50 · 80 · 120 · 250kg Automatic Ice Maker, Snow-type "IMS" & Flake-type "IMF"

With Fully Automatic System, Uniform Ice, Production & Storage, 아이스메이커



1-Year Warranty

Snow-type "IMS50" & "IMS250"

- ***Supplied by DAIHAN Korea***
- ***PL(Product Liability) Insurance*** ■ ***No Separate Storage Bin Required.***
- ***Full Automatic System : Continuous Ice Production***
- ***Snow Type : Soft Particles in the Form of Rolling Carve***
  Flake Type : A Uniform, Rigid Ice Particle in the Form of Screw Turbine

∗ Ice Production and Storage Function at the Same Time
∗ Useful in Medical Labs, Pharmaceutical Industry, Scientific Labs, Restaurants and Super markets in General.
∗ Creates Uniform Ice with Minimal Water. ∗ R404 Refrigerant and Ozone Friendly
∗ Safety Water Level Sensor & Ice Level Sensor
∗ Consists of Main Unit, Supply Hose, Drain Hose, Scoop, Power Cable, Operation Manual

(1) Snow Ice Type

<L3>

Spec. \ Model		"IMS50"	"IMS250" NEW
Ice Type		Snow Ice Type	
Production / Day		50 kg	250 kg
Storage Capacity		25 Lit	86 Lit
Compressor		1/2 HP, R404	1 HP, R404
Door		Front PC Door	
Safety Circuit		Power Circuit Breaker, Ice Level Sensor, Water Level Sensor	
Dimensions (w×d×h)		360×440×620mm	500×550×1195mm
Weight		40 kg	90 kg
Power Consumption		650 W	1.8 kW
Electric Reqts.		230V, 50 or 60Hz	
Cat. No.	60Hz	DH.Ims8050	DH.Ims8250
	50Hz	DH.Ims8055	DH.Ims8255
Price, Each. ₩		3,738,000	6,145,000

* Other Specifications are available upon Customer's Request. ※ 운임 별도



1-Year Warranty

Flake-type "IMF80" & "IMF120"

(2) Flake Ice Type

Spec. \ Model		"IMF80"	"IMF120" NEW
Ice Type		Flake Ice Type	
Production / Day		80 kg	120 kg
Storage Capacity		58 Lit	120 Lit
Compressor		1/3 HP, R404	1/3 HP, R404
Door		Front PC Door	
Safety Circuit		Power Circuit Breaker, Ice Level Sensor, Water Level Sensor	
Dimensions (w×d×h)		600×560×740mm	675×560×1065mm
Weight		61 kg	83 kg
Power Consumption		800 W	800 W
Electric Reqts.		230V, 50 or 60Hz	
Cat. No.	60Hz	DH.Imf8080	DH.Imf8120
	50Hz	DH.Imf8085	DH.Imf8125
Price, Each. ₩		4,934,000	5,268,000

* Other Specifications are available upon Customer's Request. ※ 운임 별도

DAIHAN Scientific

Incubators

DAIHAN SCIENTIFIC GROUP
Your Neighborhood Friend

CO_2 ..... P. 465~466
General Low Temp, Mini ..... P. 467
General Purpose, Forced-air ..... P. 468~469
, Gravity-air ..... P. 470~472
, Multi-room, Forced-air ..... P. 473
Heating Block / Dry Bath Incubators ..... P. 426~430
Humidity / Temp Test Chambers ..... P. 474~476
Low Temp(B.O.D) ..... P. 477~478
Plant Growth Chambers ..... P. 479
Shaking, Bench Top-type ..... P. 480
, Front Door-type ..... P. 481
, Mini, CO_2 & Low Temp ..... P. 465, 467
, Multi-stack Refrigerated ..... P. 483
, Top Door-type ..... P. 482



CO_2 Incubator Mini



CO_2 Incubator



Forced- & Gravity-air Incubator



Humidity / Temp. Chamber



Low Temp.(B.O.D) Incubator



Plant Growth Chamber



Shaking Incubator

DAIHAN® 20Lit Mini CO_2 Incubator & CO_2 Shaking Incubator "IC-20 & ICS-20", 4℃~45℃ & 0~10% CO_2

Programmable PID Controlled 0.1℃ & 0.1%, Compact Design for Saving Space/Money, Ideal for Cell/Tissue Culture

With Cooling/Heating system of Peltier Element/Auto-Tuning/Safety Device, 저온 미니 CO_2 배양기 & CO_2 진탕 배양기



A. "IC-20" Mini CO_2 Incubator, 20Lit



B. "ICS-20" CO_2 Shaking Incubator Set



C. "SHO-1DI" Separable Orbital Shaker

; It can be Used Individually and Be Accepted



Fig. Using "IC-20" as a Chest-type

A. Standard CO_2 Incubator "IC-20"

B. Assembly CO_2 Shaking Incubator Package Set "ICS-20"
= Standard CO_2 Incubator "IC-20" + Orbital Shaker "SHO-1DI"

C. Multiuse Digital Orbital Motion Shaker "SHO-1DI" : Can Be Used Individually.

"SHO-1DI" is same with existing Orbital Shaker "SHO-1D" except Platform, and can be Accepted Optional Various Platforms ; See the Shaker Section

- ***Supplied by DAIHAN Korea*** ■ ***PL(Product Liability) Insurance*** ■ ***2-Year Warranty***
- ***Applications : Cell/Tissue Culture & Transfer, Embryo/Microorganism Culture***
- ***NDIR CO_2 Sensor : Dual Wavelength Type***
  Rapid Initial Response Time, not Affected by User Environment
- ***ABS-Resin Chamber & Housing : Light-weight/Compact Design***
  Good for Money & Space Saving and Personal Use.

∗ Cooling/Heating System of PELTIER ELEMENT :
- Cooling and Heating by using Thermoelectric Semiconductor Element
- Minimizes Noise(<20dB) and Power Consumption

∗ Auto-Tuning : Rapid Response and High Stability According to the Thermal Properties and the Rate of Thermal Response of the Object

∗ Safety Device : Over Temperature & Over Current Protection, Sensor Error Detection

∗ 4-Connection Device to Join a Shaker "SHO-1DI" in the Bottom outside of the CO_2 Incubator "IC-20"

Specifications & Ordering Information

<L1>

Spec. \ Model		A. CO_2 Standard Incubator "IC-20"	B. CO_2 Shaking Incubator Set "ICS-20"
Capacity (Lit)		20Lit Working Chamber	
Temp Range Accuracy Uniformity		4℃~45℃, 0.1℃; Digital PID Control ±0.2℃(No Load) ±0.2℃(at 37℃)	
CO_2 Range & Control		0 ~ 10%, 0.1% ; NDIR CO_2 Sensor	
Cooling/Heating		Peltier Element Module	
Air Flow-type		Gravity Flow Circulation	
1 Shelf and 3 Location Brackets		1 Perforated ABS Shelf(w210×d230×Thick 8mm) included Adjustable Shelf Location Height of 3-Stage	
Condensate Drain		Natural Evaporation	
Incubator Material		"ABS-Resin" Chamber & Housing, Except Shaking Base	
Incubator Dimension	Interior	w213×d265×h360mm Chamber Only	
	Exterior	w280×d330×h510mm	w280×d330×h670mm; Including Shaking Base
C. SHAKING-Base ; Connecting the Multiuse Shaking "SHO-1DI"			
- Motion & Speed - Controller & Display - Timer & Alarm - Motor & Max-Load - Safety Circuit - Material - Size & Weight		-	- Orbital, 10 ~ 300rpm, 8mm Stroke - Programmable Digital Feedback, LCD - 99hr 59min with ∞ Run, Error Status & Time End - Brushless DC Motor, Max-Load 10kg - Overload Protector of Motor - Powder Coated Steel Body - w260×d330×h140mm, 14kg
Net Weight (kg)		10kg	10kg+14kg Shaking Base ("SHO-1DI") = 24kg
Power Consumption		56W	56W+40W (Shaking)
Electric Reqts.		Free Voltage; 1Phase, AC90-240V, 50/60Hz	
Cat. No.	230V	DH.IncC020	DH.IncCS020
	120V	DH.IncC020.1	DH.IncCS020.1
Price, Set. ₩		2,805,000	3,686,300

C. SHAKING-Base ; Orbital Shaker

		Ea. Price, ₩
DH.SHO01DI	Shaker "SHO-1DI", 230V	875,000
DH.SHO01DI.1	, 120V	875,000

※*Note! Details of Optional Various Platforms : See The "Shakers" Section*

Optional CO_2 Regulator

(1)



		Ea. Price, ₩
DH.Reg8004	(1) Regulator, Single-Stage, 30psi, CO_2	130,690

Spare Shelf

		Ea. Price, ₩
DH.Inc0003	Perforated Shelf, ABS, 210×230mm	20,000

Articles	Cat. No	Description

DAIHAN® Air-jacketed CO_2 Incubator "ICA", 101 & 150 Lit, 0~20% CO_2, Up to 50℃, ±0.1℃

With Precision CO_2 Sensor, UV Lamp 254nm, Microprocessor PID Control, Fan Forced-Convection, 2 Shelf Included, CO_2 인큐베이터



2-Year Warranty

Air-jacketed CO_2 Incubator "ICA"

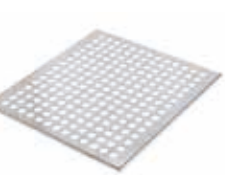
- ■ ***Supplied by DAIHAN Korea*** ■ ***2-Year Warranty***
- ■ ***Precise CO_2 Sensor in Stable & Durable Housing, CO_2 Range 0~20%***
  - ***Dual Wavelength Detection, NDIR(Non Dispersive Infra-red) Sensor***
  - ***Automatic Temperature Compensation and Auto Zero Calibration.***
- ∗ Ideal for Medicine, Biochemistry and Agricultural Science Research, Industrial Production Departments of Biological Cells, Tissues, Bacterial Culture, etc.
- ∗ All Seamless Stainless-steel Interior for Corrosion Resistance and Decontamination
- ∗ Tempered Safety Inner Glass Door for easy Sample View without Door Opening
- ∗ Enhanced Door Packing to Keep Excellent Temp & CO_2 Uniformity
- ∗ Air Filtration System(0.3㎛ HEPA Filter) Minimizes Contamination, Efficiency up to 99.97%.
- ∗ Microprocessor PID Control : Temp(~50℃), Timer, Alarm, Auto-tuning
- ∗ High-Quality LCD Display with Back-Light Function
- ∗ 10 Steps Programmable : Temperature Control and 999 Cycle 10 Steps.
- ∗ Detachable Shelf Frame : Adjustable Shelf
- ∗ Including Water Container, and 2 Stainless-steel Perforated Shelf
- ∗ Temp & CO_2 Recovery Time : 10min (Door Open 30sec)
- ∗ Operating Temperature 18℃~32℃ ∗ Filter Replace Period : Approx. 6~9 Month

Specifications & Ordering information

〈L2〉

Spec. \ Model		"ICA-100" Max. Capa. 101Lit	"ICA-150" Max. Capa. 150Lit
Capacity		101 Lit	150 Lit
Heating Mechanism		Air-jacket	
CO_2 Sensor		Digital Signal Processing NDIR Sensor	
Temp Range & Accuracy		Room Temp +5℃~50℃, Accuracy ±0.1℃ at 20℃~25℃	
CO_2 Range & Accuracy		0 ~ 20% CO_2 Concentration, Accuracy ± 0.1% at 5%	
Heat up Time (to 37℃)		30 min to 37℃	
CO_2 Concentration Time (to 37℃)		25 min to 5%	
Heating Power		300 W	570 W
CO_2 Outlet		1 kg/cm³	
UV Lamp		254 nm×1ea	
Controller		Programmable Microprocessor Digital PID Controller with LCD Back Light	
Shelf (Included)		2 Stainless-steel Perforated Shelf	
Filter		2 HEPA Filter(0.3㎛), CO_2 Input & Output line	
Safety		Temp & CO_2 Alarm, Over Temp Protector, Sensor Error Display, Leakage Breaker	
Material		Interior : Stainless-steel Polished, Exterior : Powder Coated Steel	
Door		Inner Door : Tempered Safety Glass Door, External Door : Powder Coated Steel, Magnetic Packing Door	
Dimension (w×d×h) & Weight	Interior	450×450×h500mm	495×515×h600mm
	Exterior	600×600×h600mm, 65kg	660×645×h1010mm, 77kg
	Packing	760×800×h1120mm, 80kg	730×810×h1130mm, 92kg
Power Consumption		340 W	610 W
Electric Reqts.		220V, 50/60Hz, 1 Phase	
Cat. No.	220V	DH.Inc8001	DH.Inc8002
Price, Each. ₩		6,883,000	7,297,000

∗ **Other Specifications are available upon Customer's Request.** ※ **운임 별도**



(1) Perforated SS Shelf (Included)



(2) UV Lamp



(3) HEPA Filter



(4) Regulator, Single-stage

Spare Accessory

		Ea. Price, ₩
DH.IncA1001	(1) Perforated Shelf, SS, for **"ICA-100"**, w440×d400mm	55,000
DH.IncA1002	, for **"ICA-150"**, w485×d445mm	64,000
DH.IncA1005	(2) UV Lamp 254 nm, Φ30×205mm, for **"ICA"**	55,000
DH.IncA1006	(3) HEPA Filter, for **"ICA"**	25,380

Optional Accessory

		Ea. Price, ₩
DH.Reg8004	(4) Regulator, Single-stage, 30psi, CO_2	130,690

Air-jacketed CO_2 Incubator with Validation (IQ, OQ) Service

		Set. Price, ₩
DH.IncA5001	Validation Service(IQ, OQ), with **"ICA-100"**	
DH.IncA5002	, with **"ICA-150"**	

※ The Price(VAT is extra) for Korean End-user, and Changeable.

DAIHAN® 4℃~45℃ 20 Lit Mini-Low Temperature Incubator & Shaking Incubator "IR-20 & IRS-20"

2-Step Programmable PID Controlled 0.1℃, Compact Design for Saving Space/Money, Ideal for Culture & Storage of Microorganism/Clone
With Cooling/Heating system of Peltier Element/Auto-Tuning/Safety Device, **저온 미니-배양기 & 진탕 배양기,** 20Lit, 4℃~45℃/0.1℃



A. "IR-20" Mini-Low Temp Incubator, 20Lit



B. "IRS-20" Low Temp Shaking Incubator Set



C. "SHO-1DI" Separable Orbital Shaker

; It can be Used Individually and Be Accepted



Fig. Using "IR-20" as a Chest-type

A. Standard Incubator "IR-20"

B. Assembly Shaking Incubator Package Set

"IRS-20" = "IR-20" Incubator + Orbital Shaker "SHO-1DI"

C. Multiuse Digital Orbital Motion Shaker "SHO-1DI" : Can be Used Individually.

It is same with existing Orbital Shaker "SHO-1D" except Platform and The Shaker "SHO-1DI" can be Accepted Optional Various Platforms; See "Shakers" Section

- ***Supplied by DAIHAN Korea*** ■ ***PL(Product Liability) Insurance*** ■ ***2-Year Warranty***
- ***Applications Microorganism / Clone Culture & Storage, Reaction Experiment of Enzyme Immunity & Bacteriophage in Vitro Packaging, DNA Ligation, etc.***
- ***2-Step Temperature Control(PID Micro Processor) ; With 2-Step Setting Temp Microorganism is Cultivated and Preserved by One Time(Setting time 99 hours)***

∗ Cooling / Heating System of PELTIER ELEMENT ;
- Cooling and Heating by using Thermoelectric Semiconductor Element
- Minimizes Noise (<20dB) and Power Consumption

∗ Auto Tuning : Rapid Response and High Stability According to the Thermal Properties and the Rate of Thermal Response of the Object

∗ Safety Device : Over Temperature & Over Current Protection, Sensor Error Detection

∗ There are 4-Connection Device to Join a Shaker "SHO-1DI" in the Bottom outside of the Incubator "IR-20"

Specifications & Ordering Information

〈L1〉

Spec. \ Model		A. Standard Incubator "IR-20"	B. Shaking Incubator Set "IRS-20"
Capacity (Lit)		20Lit Working Chamber	
Temp Range Accuracy Uniformity		4℃~45℃, 0.1℃; Digital PID Control ±0.2℃(No Load) ±0.2℃(at 37℃)	
Cooling / Heating		Peltier Element Module	
2-Step Operation		Ideal for Cultivation and Preservation	
Air Flow-type		Gravity Flow Circulation	
1 Shelf and 3 Location Brackets		1 Perforated ABS Shelf(w210×d230×Thick 8mm) included Adjustable Shelf Location Height of 3-Stage	
Condensate Drain		Natural Evaporation	
Incubator Material		"ABS-Resin" Chamber & Housing, Except Shaking Base	
Incubator Dimension	Interior	w213×d265×h360mm Chamber Only	
	Exterior	w280×d330×h510mm	w280×d330×h670mm; Including Shaking Base
C. SHAKING-Base ; Connecting the Multiuse Shaking "SHO-1DI"			
- Motion&Speed - Controller&Display - Timer&Alarm - Motor&Max-Load - Safety Circuit - Material - Size&Weight		-	- Orbital, 10 ~ 300rpm, 15mm Stroke - Programmable Digital Feedback, LCD - 99hr 59min with ∞ Run, Error Status & Time End - Brushless DC Motor, Max-Load 10kg - Overload Protector of Motor - Powder Coated Steel Body - w260×d330×h140mm, 14kg
Net Weight (kg)		7kg	7kg+14kg Shaking Base ("SHO-1DI") = 21kg
Packing Size & Weight		9kg	25kg
Power Consumption		56W	56W+40W (Shaking)
Electric Reqts.		Free Voltage; 1Phase, AC90-240V, 50 / 60Hz	
Cat. No.	230V	DH.IncR020	DH.IncRS020
	120V	DH.IncR020.1	DH.IncRS020.1
Price, Set. ₩		1,024,000	1,811,300

C. SHAKING-Base ; Orbital Shaker

		Ea. Price, ₩
DH.SHO01DI	Shaker **"SHO-1DI"**, 230V	875,000
DH.SHO01DI.1	, 120V	875,000

※*Note! Details of Optional Various Platforms : See The "Shakers" Section*

Spare Shelf

		Ea. Price, ₩
DH.Inc0003	Perforated Shelf, ABS, 210×230mm	20,000

Optional Power Cord for Vehicles

		Ea. Price, ₩
DH.Inc0004	Cigarette lighter Power Supply Cord	6,250

DAIHAN® Forced-air Incubator "ThermoStable™ IF", 3-Side Heating Zone, 50 · 105 · 155 Lit, *Medicaluse(230V)*

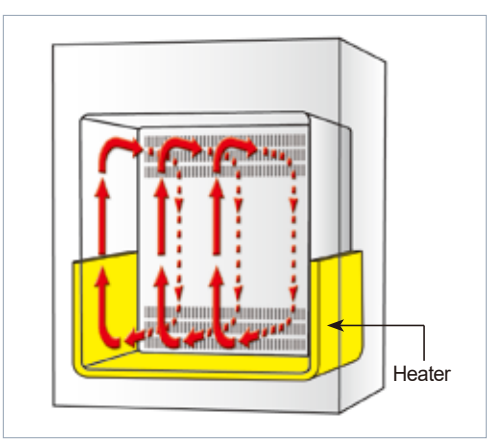
With 2 Wire Shelf, Digital PID Control, Jog-Dial & Push Button, Digital LCD with Backlight, Certi. & Traceability, up to 70℃, ±0.2℃

강제 순환식 배양기/인큐베이터, 디지털 퍼지 컨트롤, 우수한 온도균일성



- ■ ***Supplied by DAIHAN Korea*** ■ ***GD(Good Design)-mark*** ■ ***UL, CUL, and CE Certified***
- ■ ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
- ■ ***Patented Jog-Dial Control System*** ■ ***PL(Product Liability) Insurance***

* Optimized Air Flow by Forced-air Mechanism
* 3-Side Heating Mechanism : The Best Temp Uniformity & Accuracy by High Performance Heating Mechanism
* Various Application : Microorganism Culture, Animal & Plant Cell Culture, Constant Temp, Germination, and so on
* Digital PID Control System Implementing Superior Temperature Accuracy
* Locking Mode Supported for Experimental Safety (Input to Jog-Dial can be disabled)



3-Side Heating Zone : The Best Temp Uniformity & Accuracy by High Performance Heating Mechanism.



WiseRemote Control Software :

Connection of Temperature Devices with Interface RS232C to a PC

* You can Download this Software from DAIHAN-Sci.com Shopping-mall

Specifications & Ordering information

〈M1〉

Spec. \ Model		ThermoStable™ IF-50 Max. Capa. 50Lit	ThermoStable™ IF-105 Max. Capa. 105Lit	ThermoStable™ IF-155 Max. Capa. 155Lit
Capacity		**50 Lit**	**105 Lit**	**155 Lit**
Dimension (w×d×h)	**Interior (mm)**	370×350×419	485×410×533	550×475×600
	Exterior (mm)	518×637×700	635×695×841	700×760×906
Heater Power		200W	300W	400W
Temp	**Range**	Room Temp +5℃~70℃		
	Fluctuation	± 0.2℃ at 37℃, ± 0.3℃ at 50℃		
	Variation	± 0.5℃ at 37℃, ± 0.9℃ at 50℃	± 0.4℃ at 37℃, ± 0.7℃ at 50℃	
	Sensor	PT 100		
Control Resolution		±0.1℃		
Heat-up Time		17 min. to 37℃, 28 min. to 50℃	17 min. to 37℃, 30 min. to 50℃	
Recovery Time (Door open 30sec)		3 min. to 37℃, 4 min. to 50℃		
Controller		Digital PID Control by Advanced Microprocessor Jog-Dial with Push Button		
RS232 Port		Available to connect with PC		
Display		Digital LCD with Back Light		
Timer		99hr 59 min (delay/continuous function)		
Storage		Temp and Time		
Material	**Internal**	Stainless-steel (#304), Corrosion Resistant		
	External	Powder Coated steel		
	Inner Door	Inner Tempered Glass Door		
Shelf (Included)		2 PE-coated steel Wire Shelf Load per Shelf : 16kg		
Ventilation		1 Ventilation hole with Stainless-steel Cap, Hole Diameter 40mm		
Safety device		Over Temp and Over Current Protector, Sensor Error Detector		
Alarm		Error Status and Timer-end		
Net Weight (kg)		46	66	81
Packing Size (w×d×h) (mm)		628×752×775	710×731×1,018	731×810×1,018
Shipping Weight (kg)		58	74	92
Power Consumption		216.3 W	302.9 W	438.1 W
Energy Consumption, at 37℃		28 Wh	43 Wh	58 Wh
, at 50℃		84 Wh	129 Wh	145 Wh
Electrical Reqts.		120V, 60Hz or 230V, 50/60Hz		
Cat. No.	**230V**	**DH.WIF03050**	**DH.WIF03105**	**DH.WIF03155**
	120V	**DH.WIF04050**	**DH.WIF04105**	**DH.WIF04155**
Price, Each. ₩		1,569,000	1,867,000	2,037,000

*** Other Specifications are available upon Customer's Request.** **※ 운임 별도**

Forced Convection Incubator with Validation (IQ, OQ) Service

		Ea. Price, ₩
DH.WIF31050	Validation Service(IQ, OQ), with "ThermoStable IF-50", **"IFV050"**	
DH.WIF31105	, with "ThermoStable IF-105", **"IFV105"**	
DH.WIF31155	, with "ThermoStable IF-155", **"IFV155"**	

※ *Note! Spare PE-coated Steel Wire Shelf & Optional Stainless-steel Wire Shelf*
⇒ *See The "Incubators, General Purpose, Accessories" Section*

※ The Price(VAT is extra) for Korean End-user, and Changeable.

DAIHAN® SMART Forced-air Incubator "ThermoStable™ SIF", 50 · 105 · 155 Lit, 3-Side Heating Zone, *Medicaluse(230V)*

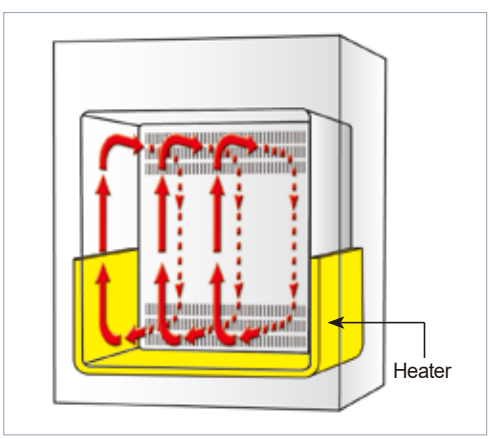
With Smart-Lab™ Controller, 4″ Full Touch Screen TFT LCD Display, Fuzzy-PID Control, 2 Wire Shelf, Certi. & Traceability, up to 70℃, ±0.2℃

스마트 강제 순환식 배양기/인큐베이터, 우수한 온도균일성, WiRe™서비스, 4인치 풀터치스크린 조절기



2-Year Warranty

- ■ ***Supplied by DAIHAN Korea*** ■ ***GD(Good Design)-mark*** ■ ***UL, CUL, and CE Certified***
- ■ ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
- ■ ***Smart-Lab™ Controller with WiRe™ App Service.*** ■ ***PL (Product Liability) Insurance***
- ∗ Self-Diagnostic Function ∗ Automatic Data Recording
- ∗ Variable Program Setting for Multiple Patterns with Multiple Segments
- ∗ The Recorded Data Could be transferred to PC by USB memory
- ∗ Internet Connectivity with WiFi ∗ Controller SW can be upgraded through USB port.
- ∗ Optimized Air Flow by Forced-air Mechanism
- ∗ 3-Side Heating Mechanism : The Best Temp Uniformity & Accuracy by High Performance Heating Mechanism
- ∗ Various Application : Microorganism Culture, Animal & Plant Cell Culture, Constant Temp, Germination, and so on



3-Side Heating Zone : The Best Temp Uniformity & Accuracy by High Performance Heating Mechanism.

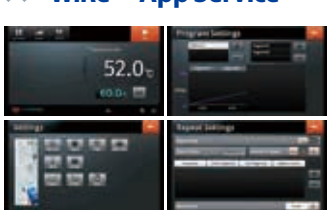
Specifications & Ordering information

〈M1〉

Spec. \ Model		ThermoStable™ SIF-50 Max. Capa. 50Lit	ThermoStable™ SIF-105 Max. Capa. 105Lit	ThermoStable™ SIF-155 Max. Capa. 155Lit
Capacity		**50 Lit**	**105 Lit**	**155 Lit**
Dimension (w×d×h)	**Interior (mm)**	370×350×419	485×410×533	550×475×600
	Exterior (mm)	518×637×700	635×695×841	700×760×906
Heater Power		200W	300W	400W
Temp	**Range**	Room Temp +5℃~70℃		
	Fluctuation	± 0.2℃ at 37℃, ± 0.3℃ at 50℃		
	Variation	± 0.5℃ at 37℃, ± 0.9℃ at 50℃	± 0.4℃ at 37℃, ± 0.7℃ at 50℃	
	Sensor	PT 100		
Control Resolution		±0.1℃		
Heat-up Time		17 min. to 37℃, 28 min. to 50℃	17 min. to 37℃, 30 min. to 50℃	
Recovery Time (Door open 30sec)		3 min. to 37℃, 4 min. to 50℃		
Controller		Smart-Lab™ Controller		
RS232		Port Available to connect with PC		
Display		4″ Full Touch Screen TFT LCD		
Timer		99hr 59 min (delay/continuous function)		
Storage		Temp and Time		
Material	**Internal**	Stainless-steel (#304), Corrosion Resistant		
	External	Powder Coated steel		
	Inner Door	Inner Tempered Glass Door		
Shelf (Included)		2 PE-coated steel Wire Shelf Load per Shelf : 16 kg		
Ventilation		1 Ventilation hole with Stainless-steel Cap, Hole Diameter 40mm		
Safety device		Over Temp and Over Current Protector, Sensor Error Detector		
Alarm		Error Status and Timer-end		
Net Weight (kg)		46	66	81
Packing Size (w×d×h) (mm)		628×752×775	710×731×1,018	731×810×1,018
Shipping Weight (kg)		58	74	92
Power Consumption		216.3 W	302.9 W	438.1 W
Energy Consumption, at 37℃		28 Wh	43 Wh	58 Wh
, at 50℃		84 Wh	129 Wh	145 Wh
Electrical Reqts.		120V, 60Hz or 230V, 50/60Hz		
Cat. No.	**230V**	**DH.SWIF03050**	**DH.SWIF03105**	**DH.SWIF03155**
	120V	**DH.SWIF04050**	**DH.SWIF04105**	**DH.SWIF04155**
Price, Each. ₩		2,157,000	2,457,000	2,628,000

∗ **Other Specifications are available upon Customer's Request.** ※ **운임 별도**

WiRe™ App Service



4″ Full Touch Screen TFT LCD (Smart-Lab™ Controller)

It is possible to monitor and control the Smart-Lab™ equipment through all smart phone, tablet without restraint of time and place.



Controlled by Mobile-Phone

SMART Incubator with Validation (IQ, OQ) Service

		Ea. Price, ₩
DH.SWIF31050	Validation Service(IQ, OQ), with "SIF-50", **"SIFV050"**	
DH.SWIF31105	, with "SIF-105", **"SIFV105"**	
DH.SWIF31155	, with "SIF-155", **"SIFV155"**	

※ *Note! Spare PE-coated Steel Wire Shelf & Optional Stainless-steel Wire Shelf*
⇒ *See The "Incubators, General Purpose, Accessories" Section*

DAIHAN® Gravity-air Incubator "ThermoStable™ IG", 3-Side Heating Zone, 32 · 50 · 105 · 155 Lit, *Medicaluse(230V)*

With 2 Wire Shelf, Digital PID Control, Jog-Dial & Push Button, Digital LCD with Backlight, Certi. & Traceability, up to 70℃, ±0.2℃

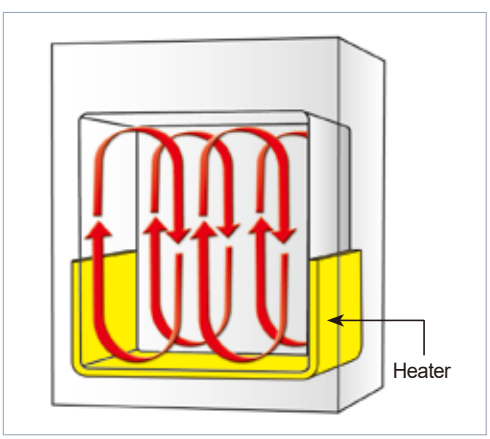
자연 대류식 배양기/인큐베이터, 디지털 퍼지 컨트롤, 우수한 온도 균일도와 정확도



2-Year Warranty

■ ***Supplied by DAIHAN Korea*** ■ ***GD(Good Design)-mark*** ■ ***UL, CUL, and CE Certified***
■ ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
■ ***Patented Jog-Dial Control System*** ■ ***PL(Product Liability) Insurance***

* Optimized Air Circulation by Gravity-air preventing Cross Contamination of Samples
* 3-Side Heating Mechanism : The Best Temp Uniformity & Accuracy by High Performance Heating Mechanism
* Various Application : Microorganism Culture, Animal & Plant Cell Culture, Constant Temp Germination, and so on
* Digital PID Control System Implementing Superior Temperature Accuracy
* Locking Mode Supported for Experimental Safety (Input to Jog-Dial can be disabled)



3-Side Heating Zone : The Best Temp Uniformity & Accuracy by High Performance Heating Mechanism.



WiseRemote Control Software :

Connection of Temperature Devices with Interface RS232C to a PC

* You can Download this Software from DAIHAN-Sci.com Shopping-mall

Specifications & Ordering information

〈M1〉

Spec. \ Model		ThermoStable™ IG-32 Max. Capa. 32L	ThermoStable™ IG-50 Max. Capa. 50L	ThermoStable™ IG-105 Max. Capa. 105L	ThermoStable™ IG-155 Max. Capa. 155L
Capacity		**32 Lit**	**50 Lit**	**105 Lit**	**155 Lit**
Dimension (w×d×h)	**Interior (mm)**	312×290×360	370×350×420	485×410×535	550×475×600
	Exterior (mm)	458×477×624	518×537×701	635×595×841	700×660×906
Heater Power		150W	200W	300W	400W
Temp	**Range**	Room Temp +5℃~70℃			
	Fluctuation	± 0.2℃ at 37℃, ± 0.3℃ at 50℃			
	Variation	± 0.6℃ at 37℃, ± 1.0℃ at 50℃			
	Sensor	PT 100			
Control Resolution		±0.1℃			
Heat-up Time		25 min. to 37℃, 40 min. to 50℃			30 min. to 37℃, 40 min. to 50℃
Recovery Time (Door open 30sec)		8 min. to 37℃ 12 min. to 50℃		10 min. to 37℃ 15 min. to 50℃	
Controller		Digital PID Control by Advanced Microprocessor Jog-Dial with Push Button			
RS232		Available to connect with PC			
Display		Digital LCD with Back Light			
Timer		99hr 59 min (delay/continuous function)			
Storage		Temp and Time			
Material	**Internal**	Stainless-steel (#304), Corrosion Resistant			
	External	Powder Coated steel			
	Inner Door	Inner Tempered Glass Door			
Shelf (Included)		2 PE-coated Steel Wire Shelf Load per Shelf : 16 kg			
Ventilation		1 Ventilation hole with Stainless-steel Cap, Hole Diameter 40mm			
Safety device		Over Temp and Over Current Protector, Sensor Error Detector			
Alarm		Error Status and Timer-end			
Net Weight (kg)		32	40	59	71
Packing Size (w×d×h) (mm)		568×592×698	628×652×775	731×710×1,018	796×775×1,083
Shipping Weight (kg)		39	53	67	78
Power Consumption		159 W	169.9 W	292.9 W	420.5 W
Energy Consumption, at 37℃		34 Wh	41 Wh	63 Wh	99 Wh
, at 50℃		81 Wh	103 Wh	152 Wh	212 Wh
Electrical Reqts.		120V, 60Hz or 230V, 50/60Hz			
Cat. No.	**230V**	**DH.WIG03032**	**DH.WIG03050**	**DH.WIG03105**	**DH.WIG03155**
	120V	**DH.WIG04032**	**DH.WIG04050**	**DH.WIG04105**	**DH.WIG04155**
Price, Each. ₩		1,344,000	1,385,000	1,629,000	1,787,000

* **Other Specifications are available upon Customer's Request.**

※ **운임 별도**

Gravity Convection Incubator with Validation (IQ, OQ) Service

		Ea. Price, ₩
DH.WIG31032	Validation Service(IQ, OQ), with "ThermoSatble IG-32", **"IGV032"**	
DH.WIG31050	, with "ThermoSatble IG-50", **"IGV050"**	
DH.WIG31105	, with "ThermoSatble IG-105", **"IGV105"**	
DH.WIG31155	, with "ThermoSatble IG-155", **"IGV155"**	

※ *Note! Spare PE-coated Steel Wire Shelf & Optional Stainless-steel Wire Shelf*
⇒ See The "Incubators, General Purpose, Accessories" Section

※ The Price(VAT is extra) for Korean End-user, and Changeable.

DAIHAN® SMART Gravity-air Incubator "ThermoStable™ SIG", 32 · 50 · 105 · 155 Lit, *Medicaluse(230V)*

With Smart-Lab™ Controller, 4″ Full Touch Screen TFT LCD Display, Fuzzy-PID Control, 2 Wire Shelf, Certi. & Traceability, up to 70℃, ±0.2℃

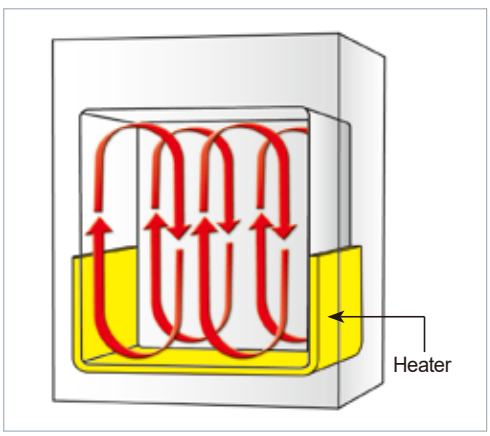
스마트 자연 대류식 배양기/인큐베이터, 우수한 온도 균일도와 정확도, WiRe™서비스, 4인치 풀터치스크린 조절기



2-Year Warranty

- ***Supplied by DAIHAN Korea*** ■ ***GD(Good Design)-mark*** ■ ***UL, CUL, and CE Certified***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
- ***Smart-Lab™ Controller with WiRe™ App Service.*** ■ ***PL (Product Liability) Insurance***

* Self-Diagnostic Function * Automatic Data Recording
* Variable Program Setting for Multiple Patterns with Multiple Segments
* The Recorded Data could be transferred to PC by USB memory
* Internet Connectivity with WiFi * Controller SW can be upgraded through USB port.
* Optimized Air Circulation by Natural Flow preventing Cross Contamination of Samples
* 3-Side Heating Mechanism : The Best Temp Uniformity & Accuracy by High Performance Heating Mechanism
* Various Application : Microorganism Culture, Animal & Plant Cell Culture, Constant Temp, Germination, and so on



3-Side Heating Zone : The Best Temp Uniformity & Accuracy by High Performance Heating Mechanism.

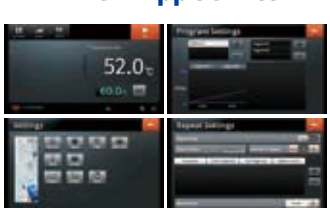
Specifications & Ordering information

〈M1〉

Spec. \ Model		ThermoStable™ SIG-32 Max. Capa. 32L	ThermoStable™ SIG-50 Max. Capa. 50L	ThermoStable™ SIG-105 Max. Capa. 105L	ThermoStable™ SIG-155 Max. Capa. 155L
Capacity		**32 Lit**	**50 Lit**	**105 Lit**	**155 Lit**
Dimension (w×d×h)	**Interior (mm)**	312×290×360	370×350×420	485×410×535	550×475×600
	Exterior (mm)	458×477×624	518×537×701	635×595×841	700×660×906
Heater Power		150W	200W	300W	400W
Temp	**Range**	Room Temp +5℃~70℃			
	Fluctuation	± 0.2℃ at 37℃, ± 0.3℃ at 50℃			
	Variation	± 0.6℃ at 37℃, ± 1.0℃ at 50℃			
	Sensor	PT 100			
Control Resolution		±0.1℃			
Heat-up Time		25 min. to 37℃, 40 min. to 50℃			30 min. to 37℃, 40 min. to 50℃
Recovery Time (Door open 30sec)		8 min. to 37℃ 12 min. to 50℃		10 min. to 37℃ 15 min. to 50℃	
Controller		Smart-Lab™ Controller			
RS232		Available to connect with PC			
Display		4″ Full Touch Screen TFT LCD			
Timer		99hr 59 min (delay/continuous function)			
Storage		Temp and Time			
Material	**Internal**	Stainless-steel (#304), Corrosion Resistant			
	External	Powder Coated steel			
	Inner Door	Inner Tempered Glass Door			
Shelf (Included)		2 PE-coated Steel Wire Shelf Load per Shelf : 16kg			
Ventilation		1 Ventilation hole with Stainless-steel Cap, Hole Diameter 40mm			
Safety device		Over Temp and Over Current Protector, Sensor Error Detector			
Alarm		Error Status and Timer-end			
Net Weight (kg)		32	40	59	71
Packing Size (w×d×h) (mm)		568×592×698	628×652×775	731×710×1,018	796×775×1,083
Shipping Weight (kg)		39	53	67	78
Power Consumption		159 W	169.9 W	292.9 W	420.5 W
Energy Consumption, at 37℃		34 Wh	41 Wh	63 Wh	99 Wh
, at 50℃		81 Wh	103 Wh	152 Wh	212 Wh
Electrical Reqts.		120V, 60Hz or 230V, 50/60Hz			
Cat. No.	**230V**	**DH.SWIG03032**	**DH.SWIG03050**	**DH.SWIG03105**	**DH.SWIG03155**
	120V	**DH.SWIG04032**	**DH.SWIG04050**	**DH.SWIG04105**	**DH.SWIG04155**
Price, Each. ₩		1,929,000	1,974,000	2,214,000	2,397,000

* Other Specifications are available upon Customer's Request. ※ 운임 별도

WiRe™ App Service



4″ Full Touch Screen TFT LCD (Smart-Lab™ Controller)

It is possible to monitor and control the Smart-Lab™ equipment through all smart phone, tablet without restraint of time and place.



Controlled by Mobile-Phone

SMART Incubator with Validation (IQ, OQ) Service

		Ea. Price, ₩
DH.SWIG31032	Validation Service(IQ, OQ), with "SIG-32", **"SIGV032"**	
DH.SWIG31050	, with "SIG-50", **"SIGV050"**	
DH.SWIG31105	, with "SIG-105", **"SIGV105"**	
DH.SWIG31155	, with "SIG-155", **"SIGV155"**	

※ *Note! Spare PE-coated Steel Wire Shelf & Optional Stainless-steel Wire Shelf*
⇒ *See The "Incubators, General Purpose, Accessories" Section*

Articles	Cat. No	Description



Wire Shelf, PE-coated Steel (Included)

Spare PE-coated Steel Wire Shelf

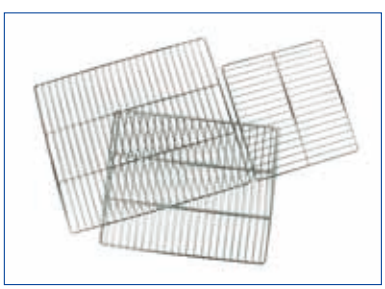
(1) for Forced-air Incubator "ThermoStable™ IF & SIF"

〈L1〉

Cat. No	Description	Ea. Price, ₩
DH.WIG11050	Wire Shelf, PE-coated Steel, with 2 Brackets, **for 50 Lit**, **"IGS050"**, w340×d310mm	26,300
DH.WIG11105	Wire Shelf, PE-coated Steel, with 2 Brackets, **for 105 Lit**, **"IGS105"**, w455×d375mm	30,000
DH.WIG11155	Wire Shelf, PE-coated Steel, with 2 Brackets, **for 155 Lit**, **"IGS155"**, w520×d440mm	32,500

(2) for Gravity-air Incubator "ThermoStable™ IG & SIG"

Cat. No	Description	Ea. Price, ₩
DH.WIG11032	Wire Shelf, PE-coated Steel, with 2 Brackets, **for 32 Lit**, **"IGS032"**, w280×d260mm	25,000
DH.WIG11050	Wire Shelf, PE-coated Steel, with 2 Brackets, **for 50 Lit**, **"IGS050"**, w340×d310mm	26,300
DH.WIG11105	Wire Shelf, PE-coated Steel, with 2 Brackets, **for 105 Lit**, **"IGS105"**, w455×d375mm	30,000
DH.WIG11155	Wire Shelf, PE-coated Steel, with 2 Brackets, **for 155 Lit**, **"IGS155"**, w520×d440mm	32,500



Wire Shelf, Stainless-steel (Optional)

Optional Stainless-steel Wire Shelf

(1) for Forced-air Incubator "ThermoStable™ IF & SIF"

〈L1〉

Cat. No	Description	Ea. Price, ₩
DH.WON11050	Wire Shelf, Stainless-steel, with 2 Brackets, **for 50 Lit**, **"ONS050"**, w340×d310mm	32,500
DH.WON11105	Wire Shelf, Stainless-steel, with 2 Brackets, **for 105 Lit**, **"ONS105"**, w455×d375mm	36,300
DH.WON11155	Wire Shelf, Stainless-steel, with 2 Brackets, **for 155 Lit / 305Lit**, **"ONS155"**, w520×d440mm	40,000

(2) for Gravity-air Incubator "ThermoStable™ IG & SIG"

Cat. No	Description	Ea. Price, ₩
DH.WIG12032	Wire Shelf, Stainless-steel, with 2 Brackets, **for 32 Lit,** **"IGSN032"**, w280×d260mm	26,300
DH.WON11050	Wire Shelf, Stainless-steel, with 2 Brackets, **for 50 Lit,** **"ONS050"**, w340×d310mm	32,500
DH.WON11105	Wire Shelf, Stainless-steel, with 2 Brackets, **for 105 Lit**, **"ONS105"**, w455×d375mm	36,300
DH.WON11155	Wire Shelf, Stainless-steel, with 2 Brackets, **for 155 Lit / 305Lit**, **"ONS155"**, w520×d440mm	40,000

※ The Price(VAT is extra) for Korean End-user, and Changeable.

DAIHAN® Multi-Room Incubator "WIM", Forced-air, 125 Lit×4 Rooms, with Certi. & Traceability, up to 60/70℃
With 8 Wire Shelf, Digital Fuzzy Control, Independent Chamber Control, Max. Temp. Uniformity & Accuracy
4-룸 배양기/인큐베이터, 강제 순환식, 디지털 퍼지 제어, 개별 컨트롤러 장착

CE

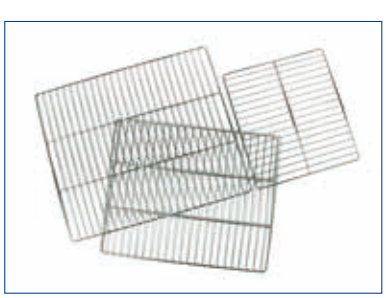
2-Year Warranty



Multi-Room Incubator, Forced-air, "WIM-R4"



Wire Shelf, PE-coated steel
(Included)



Wire Shelf, Stainless-steel
(Optional)

- ***Supplied by DAIHAN Korea***
- ***UL, CUL, and CE Certified*** ■ ***PL (Product Liability) Insurance***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
- ***Patented Jog-Shuttle Control System***

∗ Variable Application : Microorganism Culture, Cell Culture, Constant Temp. Germination
∗ Each Chamber has an Independent Controller for Different Temp and Time Control
∗ Forced-air Flow by Silent Fan Motor Implements the Highest Uniformity of Temp in Each Chamber
∗ Storage Function for Set Values of Temperature and Time
∗ Stainless-steel Chamber and PE-coated Shelves (2ea for Each Chamber) - Corrosion Resistance
∗ Inner Tempered Glass Door : to Observe the Samples without Interruption of Incubation
∗ Over Temperature & Over Current Protection, Sensor Error Detection and Leakage Breaking.
∗ Locking Mode Supported for Experimental Safety (Input to Jog-Shuttle can be Disabled)

Specifications & Ordering information

〈L1〉

Spec. \ Model		(1) "WIM-4"	(2) "WIM-R4"	(3) "WIM-RL4" with illumination
Temp. Range		R/T +5℃~70℃	0℃ to 60℃	0℃ to 60℃
Circulation		Forced-air(Blower FAN)		
Capacity		125 Lit×4 Rooms		
Illumination		None		FRL 36W×2 (×4 Rooms)
Temp.	Accuracy	±0.2℃ at 37℃		
	Uniformity	±0.3℃ at 37℃, ±0.7℃ at 50℃	±0.5℃ at 37℃	
Heat-up Time		15min. to 37℃ 30min. to 50℃	20min. to 37℃ 30min. to 50℃	
Recovery Time (Door open 30sec)		8min. to 37℃ 10min. to 50℃	10min. to 50℃ 12min. to 50℃	
Heating / Compressor		500 W×4ea / None	650 W×4ea / 1/4 HP (×4 Rooms)	
Timer & Alarm		99hr 59min. (with delay / Continuous run.), Error status & Timer-end		
Display		Digital LCD with Back-Light Function		
Controller		Digital Fuzzy Controller with Jog-Shuttle Switch (Turn & Push)		
Inner Door		with 4ea of Inner Tempered Glass Door		
Shelf		Included 8ea of PE-coated steel Shelf (2ea×4 Chambers)		
Permitted Total Load		Total Load 128 kg (16kg×8 Shelves)		
Safety Circuit		Over Temp. and Over Current Protector, Sensor Error Detector		
Material		Internal : Stainless-steel (#304), External : Powder Coated steel		
Dimension (w×d×h)	Interior (mm)	500×500×h500 mm (×4 Rooms)		
	Exterior (mm)	1,655×845×h1,710 mm		
Net Weight / Gross Weight		343kg / 441kg	350kg / 450kg	
Packing Size (w×d×h) (mm)		1,900×1,050×1,950		
Power Consumption		2.6 kW	4.5 kW	4.8 kW
Power Supply*		1 Phase, AC 120V, 60Hz or AC 230V, 50/60Hz	1 Phase AC 120V, 60Hz or AC 230V,50/60Hz or 3 Phase	
Cat. No.	230V	**DH.WIM04125**	**DH.WIM14125**	**DH.WIM24125**
	120V	**DH.WIM05125**	**DH.WIM15125**	**DH.WIM25125**
	3Phase	-	**DH.WIM16125**	**DH.WIM26125**
Price, Each. ₩		8,378,000	12,037,000	12,678,000

※ **운임 별도**

Multi-Room Incubator with Validation (IQ, OQ) Service

		Ea. Price, ₩
DH.WIM54125	Validation Service(IQ, OQ), with **"WIM-4"**	
DH.WIM64125	, with **"WIM-R4"**	
DH.WIM74125	, with **"WIM-RL4"**	

Spare PE-coated Steel Wire Shelf

		Ea. Price, ₩
DH.WIM34125	Wire Shelf, PE-coated steel, with 2 Brackets, **"IMS125"** w470×d480mm, for **"WIM" 4-Room Incubator**	42,500

Optional Stainless-steel Wire Shelf

		Ea. Price, ₩
DH.WIM34126	Wire Shelf, Stainless-steel, with 2 Brackets, **"IMS126"**, w470×d480mm, for **"WIM" 4-Room Incubator**	41,300

DAIHAN® General Purpose SMART Temp/Humidity Chamber "STH-E", 155 · 305 · 420 · 800 Lit

With Smart-Lab™ System, HDPE Water Bottle, Touch-Screen LCD, CFC-Free, −20℃+80℃ ±0.3 ℃, up to 95% RH, **스마트 항온항습기**



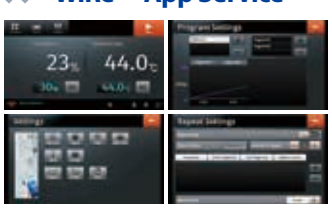
2-Year Warranty

SMART Temp./Humidity Chamber "STH-E"

- ***Supplied by DAIHAN Korea***
- ***CFC Free Refrigerant (R-404A)*** ■ ***PL(Product Liability) Insurance***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
- ***Economical & Practical Type***
- ***Smart-Lab™ Controller : Remote Controlled by Mobile-Phone with WiRe™ App Service***
  - Ergonomic 7″ Full Touch Screen TFT LCD - Internet Connectivity with WiFi
  - RS232 Interface for Remote Monitoring and Controlling with PC
  - Built in USB port for Data Download and Program Upgrade - Password Protected Setting
  - Variable Program Setting for Multiple Patterns with Multiple Segments
  - Self-Diagnostic Function (Push Alarm to Smart Phone) : Door Ajar and Power-/Temp.-Failure Alarm
  - Min-/Max-Temperature Memory and Automatic Data Recording
  - Interactive Temperature Graph - Digital Calibration (Offset Function)

∗ The Powerful and Silent Dual Fan Motor Assures Temperature Uniformity by Strong Air Circulation
∗ Over Temperature and Over Current Protection for User Safety
∗ Inner Tempered Glass Door with Silicone Packing ∗ Low Water Level Alarm Lamp
∗ Temperature & Humidity Recorder (6 Channels & 2Pens) (Optional)

WiRe™ App Service



It is possible to monitor and control the Smart-Lab™ equipment through all smart phone, tablet without restraint of time and place.

7″ Full Touch Screen TFT LCD (Smart-Lab™ Controller)



Controlled by Mobile-Phone



Installation of Included HDPE Water Bottle



(1) Perforated Stainless-steel Shelf (Included)



Optional ; (2) Temp. & Humidity Recorder 6 Channel 2 Pens (WTH5100)

Specifications & Ordering information

〈L1〉

Spec. \ Model		"STH-E155" Max. Capa. 155L	"STH-E305" Max. Capa. 305L	"STH-E420" Max. Capa. 420L	"STH-E800" Max. Capa. 800L
Capacity		155 Lit	305 Lit	420 Lit	800 Lit
Temp.	Range	PT100 Sensor, −20℃+80℃			
	Accuracy	±0.3℃			
Humidity	Range	30% ~ 95% RH			
	Accuracy	±2%			
Dimension (w×d×h)	Interior (mm)	505×505×610	620×620×800	750×660×850	1000×800×1000
	Exterior (mm)	745×920×1645	820×1290×1720	990×1075×1885	1200×1100×1920
Heater	for Temp.	1.5 kW	2.0 kW	2.2 kW	2.5 kW
	for Humi.	2.0 kW	3.0 kW	3.0 kW	3.0 kW
Compressor		7/8HP	1.5 HP	1.5 HP	3 HP
Refrigerant		CFC-Free(R-404A) Refrigeration System			
Controller & Display		Smart-Lab Controller, 7″ Full Touch Screen TFT LCD			
Program Function		Multiple Programs(Patterns by multiple Segments) Supported			
Material		Internal : Stainless-steel(#304), External : Powder Coated steel			
Shelf (included)		3ea of Perforated Stainless-steel Shelf of Adjustable Position			
Safety Device		Hi-Low Temp. Protector, Over Current & Leakage Breaker, Water Level Sensor			
Others		PL(Product Liability) Insurance			
Packing Dimension (w×d×h) (cm)		99×112×185	122×122×205	128×128×216	149×132×220
Net & Gross Weight, kg		290 kg, 355 kg	309 kg, 369 kg	378 kg, 478 kg	558 kg, 678 kg
Power Consumption		4.4 kW	5.7 kW	6.3 kW	8.2 kW
Electric Reqts.		1 Phase AC 120V, 60Hz or AC 230V, 50/60Hz or 3 Phase			
Cat. No.	230V	DH.STHE0155	DH.STHE0305	DH.STHE0420	DH.STHE0800
	120V	DH.STHE4155	DH.STHE4305	DH.STHE4420	DH.STHE4800
	3Phase	DH.STHE5155	DH.STHE5305	DH.STHE5420	DH.STHE5800
Price, Each. ₩		11,394,000	12,490,000	13,104,000	14,314,000

※ **운임 별도**

Validation (IQ, OQ) Service Economic Temp./Humidity Chamber

		Ea. Price, ₩
DH.STHE3155	Validation Service(IQ, OQ), with "STH-E155", **"STHEV155"**	
DH.STHE3305	, with "STH-E305", **"STHEV305"**	
DH.STHE3420	, with "STH-E420", **"STHEV420"**	
DH.STHE3800	, with "STH-E800", **"STHEV800"**	

Spare Perforated Stainless-steel Shelf

		Ea. Price, ₩
DH.WTH11155	(1) Perforated Shelf, **"THS1155",** for 155 Lit, 470×480mm	52,500
DH.WTH11305	, **"THS1305",** for 305 Lit, 590×580mm	67,500
DH.WTH11420	, **"THS1420",** for 420 Lit, 720×640mm	80,000
DH.WTH11800	, **"THS1800",** for 800 Lit, 970×980mm	125,000

Optional Temp & Humidity Recorder and Chart Paper

		Ea. Price, ₩
DH.WTH05100	(2) Temperature & Humidity Recorder, **"WTH5100"**	2,226,300
DH.WTH05105	Chart Paper, **"WTH5105", 33 Days**	37,500

※ The Price(VAT is extra) for Korean End-user, and Changeable.

DAIHAN® SMART Precise Temp/Humidity Chamber "STH", 155 · 305 · 420 · 800 Lit

With Smart-Lab™, Auto Supplement Water Tank, Touch-Screen LCD, CFC-Free, −20℃ to 100℃, up to 98% RH, **스마트 항온항습기**

2-Year Warranty



SMART Precise Temp. / Humidity Chamber "STH"

- ***Supplied by DAIHAN Korea***
- ***CFC Free Refrigerant (R-404A)*** ■ ***PL(Product Liability) Insurance***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
- ***Smart-Lab™ Controller : Remote Controlled by Mobile-Phone with WiRe™ App Service.***
  - Ergonomic 7″ Full Touch Screen TFT LCD
  - Internet Connectivity with WiFi
  - Self-Diagnostic Function
  - Automatic Data Recording
  - Push Alarm Service to Smart Phone : Power-/Temperature-/Door Open-Error Status
  - Built in USB port for Data Download and Program Upgrade
  - Password Protected Setting
  - Interactive Temperature Graph
  - Digital Calibration(Offset Function)
  - Min-/Max-Temperature Memory
  - Program Function : Multiple Programs(Patterns by multiple Segments) Supported

∗ Precise Temperature Control (-20℃ to 100℃) and Humidity (30% to 98% Relative Humidity)
∗ Electronic Humidity Sensor has Excellent Response Time and Durability.
∗ Easy and Safety Door Lock ∗ Low Water Level Alarm System
∗ The Powerful and Silent Dual Fan Motor Assures Temperature Uniformity by Strong Air Circulation (2 ~ 4pcs)
∗ Large Clear Viewing Window with Membrane Heating Element (Moisture-Proof)
∗ Sliding Water Supply Tank : Auto Water Supplementing System

Specifications & Ordering information

〈L1〉

Spec. \ Model		"STH-155" Max. Capa. 155L	"STH-305" Max. Capa. 305L	"STH-420" Max. Capa. 420L	"STH-800" Max. Capa. 800L
Temp. Range & Humidity		−20℃ to 100℃, 30% to 98% RH			
Compressor		7/8HP	1.5HP	1.5HP	3HP
Power Consumption		4.7 kW	5.7 kW	6.3 kW	9 kW
Heater	for Temp.	1.5 kW	2.0 kW	2.2 kW	2.5 kW
	for Humi.	2.0 kW	3.0 kW	3.0 kW	3.0 kW
Temp.	Accuracy	±0.3℃			
Humidity	Accuracy	±0.3% RH			
Heat-up Time		35 min (−20℃ to 80℃)			
Cool-down Time		45 min (+20℃ to −20℃)			
Sensor		PT100 & Capacitive Sensor			
Material	Internal	Stainless-steel (#304)			
	External	Powder Coated steel			
Shelf (Included)		3 Perforated Stainless-steel Shelf, Adjustable Position			
Safety Device		Over Temp. and Over Current Protector, Sensor Error and Low Level Detector, Leakage Breaker			
Dimension (w×d×h)	Interior (mm)	505×505×610	620×620×800	700×700×820	1,000×800×1,000
	Exterior (mm)	1,100×960×1,550	1,310×1,080×1,765	1,390×1,135×1,690	1,570×1,245×2,060
Packing Dimension (w×d×h) (cm)		134×116×175	152×125×207	160×130×202	178×141×237
Gross Weight		353 kg	369 kg	478 kg	678 kg
Electric Reqts.		1 Phase AC 120V, 60Hz or AC 230V, 50/60Hz or 3 Phase			
Cat. No.	230V	DH.STH01155	DH.STH01305	DH.STH01420	DH.STH01800
	120V	DH.STH05155	DH.STH05305	DH.STH05420	DH.STH05800
	3Phase	DH.STH07155	DH.STH07305	DH.STH07420	DH.STH07800
Price, Each. ₩		12,465,000	13,742,000	14,300,000	16,032,000
Validation (IQ, OQ)	Cat. No.	DH.STH31155	DH.STH31305	DH.STH31420	DH.STH31800
	Model No.	STHV1155	STHV1305	STHV1420	STHV1800
Price, Ea. ₩					

∗ Other Specifications are available upon Customer's Request.

※ 운임 별도

WiRe™ App Service



7″ Full Touch Screen TFT LCD
(Smart-Lab™ Controller)

It is possible to monitor and control the Smart-Lab™ equipment through all smart phone, tablet without restraint of time and place.



Controlled by Mobile-Phone



Auto Water Supplementing System



(1) Perforated Stainless-steel Shelf (Included)



Optional ;
(2) Temp. & Humidity Recorder 6 Channel 2 Pens (WTH5100)

Spare Perforated Stainless-steel Shelf

		Ea. Price, ₩
DH.WTH11155	(1) Perforated Shelf, **"THS1155"**, for 155 Lit, 468.5×465mm	52,500
DH.WTH11305	, **"THS1305"**, for 305 Lit, 588.5×585mm	67,500
DH.WTH11420	, **"THS1510"**, for 420 Lit, 668.5×675mm	80,000
DH.WTH11800	, **"THS1800"**, for 800 Lit, 968.5×770mm	125,000

Optional Temp & Humidity Recorder and Chart Paper

		Ea. Price, ₩
DH.WTH05100	(2) Temperature & Humidity Recorder, **"WTH5100"**	2,226,300
DH.WTH05105	Chart Paper, **"WTH5105", 33 Days**	37,500

DAIHAN® −40℃+100℃ Precise Temp/Humidity Chamber "THC", 30~98% RH, 155 · 400 · 800 Lit

With Full Touch Screen Controller, Auto Supplement Water Tank, Viewing Window, Cable Port, **정밀 항온항습기**

2-Year Warranty

−40℃+100℃



Precise Temp / Humidity Chamber "THC-800"

- ■ ***Supplied by DAIHAN Korea***
- ■ ***PL(Product Liability) Insurance***
- ■ ***5.7" Program Full Touch Screen Controller***
- ■ ***Max 120 Pattern / 1200 Segment***
- ■ ***Built-in SD Card Slot for Data Download & Built-in Cable Port for Convenient Test***
- ∗ Precise Temp Control(−40℃ to 100℃) and Humidity(30% to 98% Relative Humidity)
- ∗ Large Clear Viewing Window with Membrane Heating Element (Moisture-Proof)
- ∗ No Temp Change in the Chamber by Separating the Humidity Heater from the Chamber
- ∗ Automatic Defrost Function
- ∗ Easy and Safety Door Lock
- ∗ Sliding Water Supply Tank : Auto Water Supplementing System
- ∗ Water Recycling System reduce Water Consumption for Longer Operation
- ∗ Low Water Level Alarm System
- ∗ Built in Emergency Stop Switch
- ∗ 6-Channel & 2-Pen Temperature & Humidity Recorder (Optional)
- ∗ Warning Signal Lamp (Include)

Specifications & Ordering information

〈L1〉

Spec. \ Model		"THC-155" Max. Capa. 155L	"THC-400" Max. Capa. 400L	"THC-800" Max. Capa. 800L
Capacity		**155 Lit**	**400 Lit**	**800 Lit**
Temp. Range & Humidity		−40℃ ~ 100℃, 30 ~ 98% RH		
Compressor		1HP×2Ea.	1.5HP×2Ea.	2HP×2Ea.
Power Consumption		5.5 kW	8 kW	11 kW
Heater	for Temp.	2 kW	3 kW	4 kW
	for Humi.	1.5 kW	2 kW	3 kW
Temp.	**Accuracy**	±0.3℃		
Humidity	**Accuracy**	±0.3% RH		
Sensor		PT100 & Capacitive Sensor		
Material	**Internal**	Stainless-steel (#304)		
	External	Stainless-steel (#430) & Powder Coated steel		
Shelf (Included)		3 Perforated Stainless-steel Shelf, Adjustable Position(THC-155 2ea)		
Safety Device		Over Temp. and Over Current Protector, Sensor Error and Low Level Detector, Leakage Breaker		
Dimension (w×d×h)	**Interior (mm)**	505×505×610	700×700×820	1000×800×1000
	Exterior (mm)	1000×1020×1700	1200×1220×1900	1500×1320×2000
Packing Dimension (w×d×h) (cm)		1210×1220×2000	1410×1420×2200	1710×1520×2300
Gross Weight		360 kg	480 kg	680 kg
Electric Reqts.		AC 380V 50/60Hz, 3 Phase		
Cat. No.	**380V**	**DH.Thc0155**	**DH.Thc0400**	**DH.Thc0800**
Price, Each. ₩		15,580,000	17,480,000	19,380,000

∗ **Other Specifications are available upon Customer's Request.**

※ **운임 별도**



(1) Perforated Stainless-steel Shelf (Included)



Optional ;
(2) Temp. & Humidity Recorder

Validation (IQ, OQ) Service Precise Temp./Humidity Chamber

		Ea. Price, ₩
DH.Thc1155	Validation Service(IQ, OQ), with **"THC-155"**	
DH.Thc1400	, with **"THC-400"**	
DH.Thc1800	, with **"THC-800"**	

Spare Perforated Stainless-steel Shelf, Warning Signal Lamp for "THC"

		Ea. Price, ₩
DH.ThcS0155	(1) Perforated Shelf, **"THCS155"**, for 155 Lit, 475×455mm	80,000
DH.ThcS0400	, **"THCS400"**, for 400 Lit, 670×650mm	120,000
DH.ThcS0800	, **"THCS800"**, for 800 Lit, 970×750mm	160,000
DH.ThcL0003	Warning Signal Lamp	160,000

Optional Accessory

		Ea. Price, ₩
DH.ThcR0005	(2) Temperature & Humidity Recorder	2,200,000
DH.WTH05105	Chart Paper for Recorder	37,500

※ The Price(VAT is extra) for Korean End-user, and Changeable.

DAIHAN® Low Temperature(B.O.D) Incubator "ThermoStable™ IR", 0℃~60℃, ±0.2℃, *Medicaluse(230V)*

With 3 Wire Shelf, Digital PID Control, CFC-free Refrigeration(R-404A) System, Forced-air Type, 150 · 250 · 420 · 700 Lit

저온(B.O.D) 배양기/인큐베이터, 강제 순환식, 우수한 온도정확성, 친환경 냉매 채용



- ■ *Supplied by DAIHAN Korea*
- ■ *UL, CUL, and CE Certified* ■ *PL (Product Liability) Insurance*
- ■ *with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System*
- ■ *CFC-free (R-404A) Refrigeration System*
- ■ *Digital PID Control System Implementing Superior Temperature Accuracy*
- ■ *Patented Jog-Dial Control System*

* Variable Application : Animal & Plant Cell Culture, Constant Temperature, Germination Test, BOD Test, and so on
* Intelligent Control of Refrigerator for Preventing Overload of Compressor
* RS232C Interface for Monitoring and Controlling with PC
* Superior Temperature Uniformity by Forced-air
* Over Temperature & Over Current Protection, Sensor Error Detection and Leakage Breaking.
* Locking Mode Supported for Experimental Safety (Input to Jog-Dial can be Disabled)

Specifications & Ordering information

〈M1〉

Spec. \ Model		ThermoStable™ IR-150 Max. Capa. 150L	ThermoStable™ IR-250 Max. Capa. 250L	ThermoStable™ IR-420 Max. Capa. 420L	ThermoStable™ IR-700 Max. Capa. 700L
Capacity		**150 Lit**	**250 Lit**	**420 Lit**	**700 Lit**
Temp Range & Accuracy		0℃~60℃, ± 0.2℃ at 37℃			
Temp Uniformity & Sensor		±0.5℃ at 37℃, ±1.4℃ at 50℃, PT100 Sensor			
Heat-up Time		20 min. to 37℃ 20 min. to 50℃		35 min. to 37℃ 35 min. to 50℃	
Recovery Time (Door open 30sec)		10 min. to 37℃ 12 min. to 50℃		12 min. to 37℃ 15 min. to 50℃	
Heating Power/Consumption		700 W	1 kW	1.2 kW	2 kW
Compressor		1/4HP	1/3HP	1/2HP	1/2HP
Timer & Alarm		99hr 59min (with delay / Continuous run.), Error status & Timer-end			
Storage		Alarm & Timer			
Display		Digital LCD with Back Light			
Controller		Digital PID Controller with Jog-Shuttle Switch (Turn & Push)			
Inner Door		with 1 Inner Tempered Glass Door			
Shelf (Included)		3 PE-coated steel Shelf			
Permitted Total Load		Total Load : 48kg (16kg×3 Shelf)			
Material		Internal : Stainless-steel (#304), External : Powder Coated steel			
Dimension (w×d×h)	**Interior (mm)**	505×505×610	505×505×1,000	705×605×1,000	800×700×1,250
	Exterior (mm)	640×832×1,313	640×832×1,703	840×932×1,753	935×1,027×2,000
Net Weight		118 kg	157 kg	202 kg	234 kg
Packing Size (w×d×h) (mm) & Gross Weight		900×1,000×1,650 191 kg	900×1,000×2,040 217 kg	1,100×1,100×2,140 277 kg	1,220×1,220×2,260 313 kg
Power Consumption		1.6 kW	1.8 kW	2.3 kW	2.4 kW
Electric Reqts.		1 Phase, AC 120 V, 60 Hz or AC 230 V, 50 / 60 Hz			
Cat. No.	**230V**	**DH.WIR03150**	**DH.WIR03250**	**DH.WIR03420**	**DH.WIR03700**
	120V	**DH.WIR04150**	**DH.WIR04250**	**DH.WIR04420**	**DH.WIR04700**
Price, Each. ₩		3,307,000	3,663,000	5,027,000	5,412,000
Validation (IQ, OQ)	**Cat. No.**	**DH.WIR31150**	**DH.WIR31250**	**DH.WIR31420**	**DH.WIR31700**
	Model No.	**IRV150**	**IRV250**	**IRV420**	**IRV700**
Price, Ea. ₩					

* Other Specifications are available upon Customer's Request.

※ 운임 별도



WiseRemote Control Software :

Connection of Temperature Devices with Interface RS232C to a PC

* You can Download this Software from DAIHAN-Sci.com Shopping-mall



(1) Wire Shelf, PE Coated steel (Included)



(2) Wire Shelf, Stainless-steel (Optional)

(1) Spare PE-coated Steel Wire Shelf

		Ea. Price, ₩
DH.WIR11150	Wire Shelf, PE Coated steel, **"IRS150"**, w470×d480mm, for **"IR-150"**, **"IR-250"**	31,300
DH.WIR11420	Wire Shelf, PE Coated steel, **"IRS420"**, w675×d585mm, for **"IR-420"**	43,800
DH.WIR11700	, **"IRS700"**, w770×d680mm, for **"IR-700"**	50,000

(2) Optional Stainless-steel Wire Shelf

		Ea. Price, ₩
DH.WIR21150	Wire Shelf, Stainless-steel, **"IRU150"**, w470×d480mm, for **"IR-150"**, **"IR-250"**	57,500
DH.WIR21420	Wire Shelf, Stainless-steel, **"IRU420"**, w675×d585mm, for **"IR-420"**	87,500
DH.WIR21700	, **"IRU700"**, w770×d680mm, for **"IR-700"**	110,000

DAIHAN® SMART Low Temperature(B.O.D) Incubator "ThermoStable™ SIR", 150 · 250 · 420 · 700 Lit, *Medicaluse(230V)*

With Smart-Lab™ Controller, 4″ Full Touch Screen, Fuzzy-PID Control, CFC-free(R-404A), 0℃~60℃, ±0.2℃, with Certi. & Traceability

스마트 저온(B.O.D) 배양기/인큐베이터, 강제 순환식, 우수한 온도정확성, 친환경 냉매 채용, WiRe™서비스, 4인치 풀터치스크린 조절기

Medicaluse



2-Year Warranty

- ***Supplied by DAIHAN Korea***
- ***UL, CUL, and CE Certified***
- ***PL (Product Liability) Insurance***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
- ***Air Flow ; Forced Air-type***
- ***CFC-free (R-404A) Refrigeration System***
- ***Digital Fuzzy Control System Implementing Superior Temperature Accuracy***
- ***Smart-Lab™ Controller : Remote Controlled by Mobile-Phone with WiRe™ App Service***
  - Ergonomic 4″ Full Touch Screen TFT LCD
  - Internet Connectivity with WiFi
  - RS232 Interface for Remote Monitoring and Controlling with PC
  - Automatic Data Recording
  - Built in USB port for Data Download and Program Upgrade
  - Self-Diagnostic Function
  - Variable Program Setting for Multiple Patterns with Multiple Segments

∗ Variable Application : Animal/Plant Cell Culture, Constant Temp Germination Test, BOD Test, etc.
∗ Stainless-steel Chamber and PE-coated Shelves ∗ Compact New Body Design
∗ Intelligent Control of Refrigerator for Preventing Overload of Compressor
∗ Over Temperature & Over Current Protection, Sensor Error Detection and Leakage Breaking.

Specifications & Ordering information

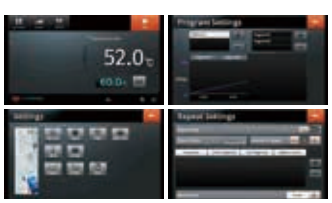
〈M1〉

Spec. \ Model		ThermoStable™ SIR-150 Max. Capa. 150L	ThermoStable™ SIR-250 Max. Capa. 250L	ThermoStable™ SIR-420 Max. Capa. 420L	ThermoStable™ SIR-700 Max. Capa. 700L
Capacity		**150 Lit**	**250 Lit**	**420 Lit**	**700 Lit**
Temp Range & Accuracy		0℃~60℃, ± 0.2℃ at 37℃			
Temp Uniformity & Sensor		±0.5℃ at 37℃, ±1.4℃ at 50℃, PT100 Sensor			
Heat-up Time		20 min. to 37℃ 20 min. to 50℃		35 min. to 37℃ 35 min. to 50℃	
Recovery Time (Door open 30sec)		10 min. to 37℃ 12 min. to 50℃		12 min. to 37℃ 15 min. to 50℃	
Heating Power/Consumption		700 W	1 kW	1.2 kW	2 kW
Compressor		1/4HP	1/3HP	1/2HP	1/2HP
Compressor Control		Intelligent Control of Refrigerator for preventing Overload of Compressor			
Refrigerant		CFC-Free(R-404A) Refrigeration System			
Timer & Alarm		99hr 59min (with delay / Continuous run.), Error status & Timer-end			
Display & Controller		4″Full Touch Screen TFT LCD, Smart-Lab™ Controller			
Inner Door		with 1ea of Inner Tempered Glass Door			
Shelf		Included 3ea of PE-coated steel Shelf			
Permitted		Total Load Total Load : 48 kg (16kg×3 Shelf)			
Safety Circuit		Over Temp and Over Current Protector, Sensor Error Detector			
Material		Internal : Stainless-steel (#304), External : Powder Coated steel			
Dimension (w×d×h)	**Interior (mm)**	505×505×610	505×505×1,000	705×605×1,000	800×700×1,250
	Exterior (mm)	640×832×1,313	640×832×1,703	840×932×1,753	935×1,027×2,000
Net Weight / Gross Weight		118 kg / 191 kg	157 kg / 217 kg	202 kg / 277 kg	234 kg / 313 kg
Packing Size (w×d×h) (mm)		900×1,000×1,650	900×1,000×2,040	1,100×1,100×2,140	1,220×1,220×2,260
Power Consumption		1.6 kW	1.8 kW	2.3 kW	2.4 kW
Electric Reqts.		1 Phase, AC 120 V, 60 Hz or AC 230 V, 50 / 60 Hz			
Cat. No.	**230V**	**DH.SWIR03150**	**DH.SWIR03250**	**DH.SWIR03420**	**DH.SWIR03700**
	120V	**DH.SWIR04150**	**DH.SWIR04250**	**DH.SWIR04420**	**DH.SWIR04700**
Price, Each. ₩		3,865,000	4,219,000	5,585,000	5,968,000
Validation (IQ, OQ)	**Cat. No.**	**DH.SWIR31150**	**DH.SWIR31250**	**DH.SWIR31420**	**DH.SWIR31700**
	Model No.	**SIR-150**	**SIR-250**	**SIR-420**	**SIR-700**
Price, Ea. ₩					

*** Other Specifications are available upon Customer's Request.**

※ 운임 별도

WiRe™ App Service



4″ Full Touch Screen TFT LCD (Smart-Lab™ Controller)

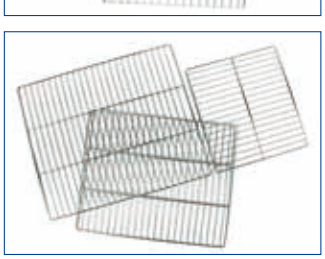
Controlled by Mobile-Phone

It is possible to monitor and control the Smart-Lab™ equipment through all smart phone, tablet without restraint of time and place.





(1) Wire Shelf PE Coated steel (Included)



(2) Wire Shelf Stainless-steel (Optional)

(1) Spare PE-coated Steel Wire Shelf

		Ea. Price, ₩
DH.WIR11150	Wire Shelf, **"IRS150"**, 470×480mm, for **"SIR-150", "SIR-250"**	31,300
DH.WIR11420	, **"IRS420"**, 675×585mm, for **"SIR-420"**	43,800
DH.WIR11700	, **"IRS700"**, 770×680mm, for **"SIR-700"**	50,000

(2) Optional Stainless-steel Wire Shelf

		Ea. Price, ₩
DH.WIR21150	Wire Shelf, **"IRU150"**, 470×480mm, for **"SIR-150", "SIR-250"**	57,500
DH.WIR21420	, **"IRU420"**, 675×585mm, for **"SIR-420"**	87,500
DH.WIR21700	, **"IRU700"**, 770×680mm, for **"SIR-700"**	110,000

※ The Price(VAT is extra) for Korean End-user, and Changeable.

DAIHAN® SMART Plant Growth Chamber "GC", Smart-Lab™ System, 432 · 864 Lit

With Smart-Lab™ Controller, CFC-Free(R-404A) Refrigeration System, 0~12,000 - or 15,000-Lux, 30~95% RH, 10℃~60℃

스마트 식물 생장상, 스마트랩 컨트롤러, 정밀한 온도/습도/조절, WiRe™서비스, 7인치 풀터치스크린 스마트랩 조절기



SMART Plant Growth Chamber "GC"

- ***Supplied by DAIHAN Korea*** ■ ***CE Certified*** ■ ***PL(Product Liability) Insurance***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
- ***Suitable for Plant Growth, Stability, Product Self-life QC Testing***
- ***Ergonomic Screen Design 7″ Full Touch Screen TFT LCD***
- ***Smart-Lab™ Controller : Remote Controlled by Mobile-Phone with WiRe™ App Service.***
  - Self-Diagnostic Function - Automatic Data Recording
  - Variable Program Setting for Multiple Patterns with Multiple Segments
  - The Recorded Data could be transferred to PC by USB memory
  - Controller SW can be upgraded through USB port.
  - Precise Temperature, Relative Humidity and Illumination Control
  - Maintain Uniformity and Accuracy of Growth Circumstance

∗ Inner Tempered Glass Door with Silicone Packing offers easy Observation without Door Opening
∗ Over Temperature & Over Current Protection, Sensor Error Detection, Leakage Breaking
∗ Includes Water Tank(with Silicone Tube) and Lux Meter

WiRe™ App Service



7″ Full Touch Screen TFT LCD (Smart-Lab™ Controller)

It is possible to monitor and control the Smart-Lab™ equipment through all smart phone, tablet without restraint of time and place.



Controlled by Mobile-Phone



Water Tank / Silicone Tube / Lux Meter (Included)



Wire Shelf, PE-coated steel (Included)

Specifications & Ordering information

〈L1〉

Spec. \ Model		(1) "GC-450" Max. Capa. 432 Lit	(2) "GC-1000" Max. Capa. 864 Lit
Temp.	Range & Variation	10℃~60℃, ±1℃ at 20℃	
	Fluctuation	± 0.5℃ at 10℃, ± 0.5℃ at 25℃ (0% light intensity) ± 1℃ at 10℃, ± 1℃ at 25℃ (100% light intensity)	
Humidity	Range & Variation	30% ~ 95% RH, ±3% at 60℃	
	Fluctuation	±1%	
	Humidifier	Evaporation by Fan with Heater	
Illumination	Range	0 to 12,000 Lux	0 to 15,000 Lux
	Lamp	FPL 55W×14	FPL 55W×28
	Bank	3 Side Walls	
Temp. & Humidity Sensor		Temp. : PT100, Humidity : Capacitive Sensor	
Heat-up Time (up to 37℃)		11min. (0% illumination) / 9min. (100% illumination)	
Cool-down Time (down to 10℃)		13min. (0% illumination) / 15min. (100% illumination)	
Temp. Recovery (After Door was opened for 30sec)		3min. at 10℃, 1min. at 37℃ (0% illumination) 5min. at 10℃, 1min. at 37℃ (100% illumination)	
Heating Power /Consumption	for Temp.	1.5 kW	3.0 kW
	for Humi.	1.5 kW	3.0 kW
Compressor		1/2HP	1HP
Program Function		Temperature and Humidity : 120 Patterns, 1,200 Segments Light Bank : 7 steps	
Door	Internal	Tempered Safety Glass with Silicone Packing	
	External	3-Side Magnetic Packing Door with Light Bank	
Shelf (Included)		4 PE-coated Steel Shelf	8 PE-coated Steel Shelf
Permitted Total Load		64kg (16kg×4 Shelves)	128kg (16kg×8 Shelves)
Material		Internal : Stainless-steel (#304), External : Power Coated steel	
Dimension (w×d×h)	Interior (mm)	650×700×1,050	1,200×790×1,050
	Exterior (mm)	850×1,090×1,965	1,400×1,150×1,965
Packing Size & Gross Weight		1,400×1,220×h2,210mm, 435kg	1,600×1,500×h2,200mm, 585kg
Power Consumption		4.8 kW	6.5 kW
Power Supply*		AC 230V, 50/60Hz or 3 Phase	
Cat. No.	230V	**DH.SWGC00450**	**DH.SWGC01000**
	3Phase	**DH.SWGC60450**	**DH.SWGC61000**
Price, Each. ₩		12,463,000	16,072,000
Validation (IQ, OQ)	Cat. No.	**DH.SWGC30450**	**DH.SWGC31000**
	Model No.	**SGCV450**	**SGCV1000**
Price, Ea. ₩			

* Other Specifications are available upon Customer's Request.

※ 운임 별도

Spare Wire Shelf, PE Coated steel

		Ea. Price, ₩
DH.WGC10450	Wire Shelf, PE Coated, w640×d620mm, **"GCS450"**, for **432Lit**	42,500
DH.WGC11000	, w580×d620mm, **"GCS1000"**, for **864Lit**	41,300

Articles	Cat. No	Description

DAIHAN® Precise Shaking Incubator "IS-20", BenchTop-type, up to 60℃ & 1000㎖
With Universal Platform, Fuzzy Control, RS232C Interface for PC, Orbital Motion, 30~250 rpm, 101 Lit
진탕 배양기/인큐베이터, 벤치 탑 타입, 고정밀 디지털 퍼지 제어, Universal Platform 포함

CE



A. "IS-20" R/T +5℃~60℃
B. "IS-20R" 10℃~60℃ Refrigerated

- ***Supplied by DAIHAN Korea*** ■ ***CE Certified*** ■ ***PL (Product Liability) Insurance***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
- ***Useful for Biological Cultures under various Temperature***
- ***Patented Jog-Shuttle Control System*** ■ ***Stabilized Orbital Motion***

* Precise Temperature Control by Digital Fuzzy Controller, up to 60℃, PT100 Sensor
* Advanced Shaking Mechanism Provides Quiet Shaking and Precise Speed Control
* Automatic Stop of Shaking, Heating and Refrigeration when a Door opens
* Over Temperature & Over Current Protection, Sensor Error Detection and Leakage Breaking
* Accommodate Flasks up to 1,000㎖ * Minimum Noise and No Vibration
* RS232C Interface for Monitoring and Controlling with PC
* Universal Spring Rack for Various Shapes/Sizes of Flasks (Optional)



Connection of Temperature Devices with Interface RS232C to a PC

WiseRemote Control Software : Download from DAIHAN-Sci.com

Specifications & Ordering information

〈L1〉

Spec. \ Model			A. "IS-20"	B. "IS-20R" with Refrigerator
Temp Range			Room Temp +5℃~60℃	10℃~60℃
Temp Accuracy & Uniformity			Accuracy : ±0.2℃ at 37℃, Uniformity : ±0.5℃ at 37℃	
Capacity			101Lit	
Temp Sensor			PT100 Sensor	
Heater			500 W	700 W
Compressor			None	1/4 HP
Compressor Control			None	Intelligent Control of Refrigerator for preventing Overload of Compressor
Refrigerant			None	CFC-Free(404A) Refrigeration System
Shaking Speed & Stroke			30 ~ 250 rpm, 25mm, Orbital Motion	
Timer & Alarm			99hr 59min (with Continuous run.), Error status & Timer-end	
Display			Digital LCD with Back-Light Function	
Controller			Digital Fuzzy Controller with Jog-Shuttle Switch (Turn+Push)	
Room Lamp			60W Krypton Lamp	
Platform(Included) & Capacity for Optional Flask Holders			Universal Platform for Various Shapes & Sizes of Flasks Capacity : 32ea Flask Holders for 50~100㎖ Flask 20ea Flask Holders for 200~300㎖ Flask 16ea Flask Holders for 500~1,000㎖ Flask	
Safety Circuit			Over Temp/ Current Protector, Leakage Breaker, Sensor Error Detector	
Material			Internal : Stainless-steel (#304), External : Powder Coated steel	
Dimension			Internal : 530×530×h350mm, External : 575×855×h850mm	
Packing Size (w×d×h) (mm) & Gross Weight			1,000×800×h1,100mm	
			147 kg	150 kg
Power Consumption			500 W	1.2 kW
Electrical Reqts.			1 Phase, AC 120 V, 60 Hz or AC 230 V, 50 / 60 Hz	
Cat. No.	60Hz	230V	DH.WIS00220	DH.WIS01220
		120V	DH.WIS00120	DH.WIS01120
	50Hz	230V	DH.WIS00520	DH.WIS01520
Price, Each. ₩			3,338,000	4,425,000

* Other Specifications are available upon Customer's Request.

※ 운임 별도



(1) Universal Platform "SP600" (Included)



(2) Universal Spring Rack Platform "SR500" (Optional)



SS Flask Holder w/Spring Ring (Optional)

C. Validation (IQ, OQ) Service Shaking Incubator

		Ea. Price, ₩
DH.WIS32010	Validation Service(IQ, OQ), with **"IS-20"**, 60Hz, **"ISV2010"**	
DH.WIS32011	, with **"IS-20R"**, 60Hz, **"ISV2011"**	

Optional Spring Rack Platform and Stainless-steel Flask Holder(with Spring Ring)

		Ea. Price, ₩
DH.WIS504600	(1) Universal Platform, 478×478mm, **"SP600"**, for **"IS-20(R)"**, Included	53,800
DH.WIS504500	(2) Universal Spring Rack, 483×483×h135mm, **"SR500"**, for **"IS-20(R)"**	275,000
DH.WIS600100	(3) Stainless-steel Wire Spring Flask Holder, for 100㎖ Flask , **"FHS100"**	8,800
DH.WIS600250	(4) , for 250㎖ Flask , **"FHS250"**	10,000
DH.WIS600500	(5) , for 500㎖ Flask , **"FHS500"**	11,300
DH.WIS601000	(6) , for 1000㎖ Flask, **"FHS1000"**	13,800

※ The Price(VAT is extra) for Korean End-user, and Changeable.

DAIHAN® Precise Shaking Incubator "IS-30", Front Door-type, up to 60℃ & 1000㎖

With Universal Platform, Fuzzy Control, RS232C Interface for PC, Orbital Motion, 30~250 rpm, 127 Lit

진탕 배양기/인큐베이터, 전면도어 타입, 고정밀 디지털 퍼지제어, Universal Platform 포함



A. "IS-30" R/T +5℃~60℃
B. "IS-30R" 10℃~60℃ Refrigerated

- ***Supplied by DAIHAN Korea*** ■ ***CE Certified*** ■ ***PL (Product Liability) Insurance***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
- ***Useful for Biological Cultures under various Temperature***
- ***Patented Jog-Shuttle Control System*** ■ ***Stabilized Orbital Motion***
- ∗ Precise Temperature Control by Digital Fuzzy Controller, up to 60℃, PT100 Sensor
- ∗ Front Door and Sliding Platform Provides Easy Loading and Handling of Samples
- ∗ RS232C Interface for Monitoring and Controlling with PC.
- ∗ Advanced Shaking Mechanism Provides Quiet Shaking and Precise Speed Control
- ∗ Accommodate Flasks up to 1,000㎖ ∗ Minimum Noise and No Vibration.
- ∗ Universal Spring Rack for Various Shapes/Size of Flasks (Optional)
- ∗ Automatic Stop of Shaking, Heating and Refrigeration when a Door opens
- ∗ Over Temperature & Over Current Protection and Leakage Breaking.

Specifications & Ordering information

<L1>

Spec. \ Model			A. "IS-30"	B. "IS-30R" with Refrigerator
Temp Range			Room Temp +5℃~60℃	10℃~60℃
Temp Accuracy & Uniformity			Accuracy : ±0.2℃ at 37℃, Uniformity : ±0.5℃ at 37℃	
Capacity			127Lit	
Temp Sensor			PT100 Sensor	
Heater			600 W	800 W
Compressor			None	1/4 HP
Compressor Control			None	Intelligent Control of Refrigerator for preventing Overload of Compressor
Refrigerant			None	CFC-Free(404A) Refrigeration System
Shaking Speed, Stroke & Motion			30 ~ 250 rpm, 25mm, Orbital Motion	
Timer & Alarm			99hr 59min (with Continuous run.), Error status & Timer-end	
Display			Digital LCD with Back-Light Function	
Controller			Digital Fuzzy Controller with Jog-Shuttle Switch (Turn+Push)	
Platform(Included) & Capacity for Optional Flask Holders			Universal Platform for Various Shapes & Sizes of Flasks Capacity : 35ea Flask Holders for 50~100㎖ Flask 16ea Flask Holders for 200~300㎖ Flask 12ea Flask Holders for 500~1,000㎖ Flask	
Safety Circuit			Over Temp/ Current Protector, Leakage Breaker	
Material			Internal : Stainless-steel (# 304), External : Powder Coated steel	
Dimension			Internal : 570×465×h470mm, External : 916×730×h683mm	
Packing Size (w×d×h) (mm) & Gross Weight			1,050×900×h900mm	
			146 kg	156 kg
Power Consumption			600 W	1.3 kW
Electrical Reqts.			1 Phase, AC 120 V, 60 Hz or AC 230 V, 50 / 60 Hz	
Cat. No.	60Hz	230V	DH.WIS00230	DH.WIS01230
		120V	DH.WIS00130	DH.WIS01130
	50Hz	230V	DH.WIS00530	DH.WIS01530
Price, Each. ₩			3,179,000	4,269,000

∗ Other Specifications (50Hz) are available upon Customer's Request.

※ 운임 별도



Connection of Temperature Devices with Interface RS232C to a PC

WiseRemote Control Software : Download from DAIHAN-Sci.com



(1) Universal Platform "SP630" (Included)



(2) Universal Spring Rack Platform "SR530" (Optional)



SS Flask Holder w/Spring Ring (Optional)

C. Validation (IQ, OQ) Service Shaking Incubator

		Ea. Price, ₩
DH.WIS33010	Validation Service(IQ, OQ), with **"IS-30"**, 60Hz, **"ISV3010"**	
DH.WIS33011	, with **"IS-30R"**, 60Hz, **"ISV3011"**	

Optional Spring Rack Platform and Stainless-steel Flask Holder(with Spring Ring)

		Ea. Price, ₩
DH.WIS504630	(1) Universal Platform, 485×405mm, **"SP630"**, for **"IS-30(R)"**	53,000
DH.WIS504530	(2) Universal Spring Rack, 498×408×h135mm, **"SR530"**, for **"IS-30(R)"**	311,300
DH.WIS600100	(3) Stainless-steel Wire Spring Flask Holder, for 100㎖ Flask , **"FHS100"**	8,800
DH.WIS600250	(4) , for 250㎖ Flask , **"FHS250"**	10,000
DH.WIS600500	(5) , for 500㎖ Flask , **"FHS500"**	11,300
DH.WIS601000	(6) , for 1000㎖ Flask, **"FHS1000"**	13,800

Articles	Cat. No	Description

DAIHAN® Precise Shaking Incubator "IS-10", Top Door-type, Orbital Motion, up to 60℃, ±0.2℃

With Universal Platform, Fuzzy Control, with or without illuminators & Recorder, 30~250 rpm, with Certi. & Traceability

진탕 배양기/인큐베이터, 탑 도어 타입, 고정밀 디지털 퍼지 제어, Universal Platform 포함

CE

R/T +5℃~60℃/250rpm



A. Room Temp +5℃~60℃, with Universal Platform "IS-10"

- ***Supplied by DAIHAN Korea*** ■ ***CE Certified*** ■ ***PL (Product Liability) Insurance***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
- ***Useful for Biological Cultures under various Temperature***
- ***Patented Jog-Shuttle Control System***

* Precise Temperature Control by Digital Fuzzy Controller, up to 60℃
* Digital LCD with Back-Light Function
* Minimum Noise and No Vibration
* Advanced Shaking Mechanism Provides Quiet Shaking and Precise Speed Control
* Automatic Stop of Shaking, Heating and Refrigeration when a Door opens
* Intelligent Control of Refrigerator for preventing Overload of Compressor (IS-10R / IS-10RL)
* RS232C Interface for Monitoring and Controlling with PC

Specifications & Ordering information

〈L1〉

Spec. \ Model			A. "IS-10"	B. "IS-10R" with Refrigerator	C. "IS-10RL" Illumination
Temp. Range			R/T +5℃~60℃	10℃~60℃	
Temp. Accuracy & Uniformity			Accuracy : ±0.2℃ at 37℃, Uniformity : ±0.5℃ at 37℃		
Capacity			229Lit		
Temp. Sensor			PT100 Sensor		
Heater			800 W	1 kW	1.2 kW
Compressor			None	1/3HP	
Refrigerant			CFC-Free (404A) Refrigeration System		
Shaking Speed & Stroke			30 ~ 250 rpm, 25mm Orbital Motion		
Timer & Alarm			99hr 59min (with Continuous run.), Error status & Timer-end		
Controller			Digital Fuzzy Controller with Jog-Shuttle Switch (Turn+Push)		
Illumination System			None		FPL 55W×4ea
Room Lamp			Krypton Lamp, 60W		None
Platform(Included)			Universal Platform for Various Shapes & Sizes of Flasks		
Safety Circuit			Over Temp./ Current Protector, Leakage Breaker, Sensor Error Detector		
Material			Internal : Stainless-steel (#304), External : Powder Coated steel		
Dimension			Internal : 750×720×h400mm, External : 1,065×900×h980mm		
Packing Size (w×d×h) (mm) & Gross Weight			1,220×1,060×h1,200mm		
			231 kg	238 kg	238 kg
Power Consumption			800 W	1.8 kW	2.1 kW
Electrical Reqts.			1 Phase, AC 120 V, 60 Hz or AC 230 V, 50 / 60 Hz		
Cat. No.	60Hz	230V	DH.WIS00210	DH.WIS04210	DH.WIS05210
		120V	DH.WIS00110	DH.WIS04110	DH.WIS05110
	50Hz	230V	DH.WIS00510	DH.WIS04510	DH.WIS05510
		120V	DH.WIS00410	DH.WIS04410	DH.WIS05410
Price, Each. ₩			4,478,000	5,323,000	6,055,000

* Other Specifications are available upon Customer's Request.

※ 운임 별도



Connection of Temperature Devices with Interface RS232C to a PC

WiseRemote Control Software : Download from DAIHAN-Sci.com



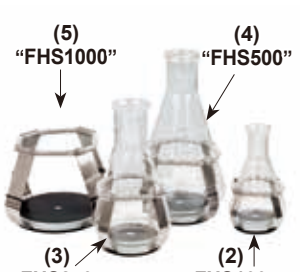
(1) Universal Platform "SP610" (Included)



(6) Universal Spring Rack Platform "SR510" (Optional)

D. Validation (IQ, OQ) Service Shaking Incubator

		Ea. Price, ₩
DH.WIS31010	Validation Service(IQ, OQ), with **"IS-10"**, 60Hz	
DH.WIS31011	, with **"IS-10R"**, 60Hz	
DH.WIS31012	, with **"IS-10RL"**, 60Hz	



SS Flask Holder w/Spring Ring (Optional)

Optional Spring Rack Platform/Recorder/Stainless-steel Flask Holder(with Spring Ring)

		Ea. Price, ₩
DH.WIS504610	(1) **Spare** Universal Platform, w688×h648mm, **"SP610"**, Flask Holder Capacity ; 68ea for 50~100㎖ Flask, 36ea for 200~300㎖ Flask, 21ea for 500~1000㎖ Flask	91,300
DH.WIS600100	(2) Stainless-steel Wire Spring Flask Holder, for 100㎖ Flask , **"FHS100"**	8,800
DH.WIS600250	(3) , for 250㎖ Flask , **"FHS250"**	10,000
DH.WIS600500	(4) , for 500㎖ Flask , **"FHS500"**	11,300
DH.WIS601000	(5) , for 1000㎖ Flask, **"FHS1000"**	13,800
DH.WIS504510	(6) Universal Spring Rack, w693×d653×h135mm, **"SR510"**	368,800
DH.WTH05100	(7) Temperature Recorder, with 6ea Ribbon Cassette & Chart Paper LED, 6ch/10sec, 144×144×h233mm, **"WTH5105"**	2,226,300
DH.WTH05108	Ribbon Cassette, 6 Colors, **"WTH5108"**	67,500
DH.WTH05105	Chart Paper, w100mm×L10m, 33 Days, **"WTH5105"**	37,500

※ The Price(VAT is extra) for Korean End-user, and Changeable.

DAIHAN® Multi-Stack Refrigerated Shaking Incubator "WIS-ML", Orbital Motion, with 2 & 4 Universal Platform

With Digital Fuzzy Control, 2 or 4 Independent Shaking Speed Control, 10℃~60℃, 30~250 rpm, 2 & 4 Stack

대형 멀티 진탕 배양기, 고정밀 디지털 퍼지 제어, 2 & 4 Universal Platform 포함

CE

10℃~60℃ / 250rpm



B. Multi-Stack Refrigerated Shaking Incubator with 4 Universal Platform "WIS-ML04"

- ■ ***Supplied by DAIHAN Korea*** ■ ***CE Certified*** ■ ***PL (Product Liability) Insurance***
- ■ ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
- ■ ***Excellent for Multi-use and wide range of Sample Testing under various Temperature***
- ■ ***Patented Jog-Shuttle Control System***
- ∗ Digital Fuzzy Control System Implementing Superior Temperature Accuracy
- ∗ Intelligent Control of Refrigerator for Preventing Overload of Compressor
- ∗ Advanced Shaking Mechanism provides Quiet Shaking and Precise Speed Control
- ∗ Space Saving Design for Large Quantity Samples with 2 or 4 Independent Shaking Speed Controller
- ∗ Automatic Stop of Shaking, Heating and Refrigeration when the Door is Opened
- ∗ RS232C Interface for Monitoring and Controlling with PC ∗ Including Universal Platform
- ∗ Over Temperature & Over Current Protection and Sensor Error Detection
- ∗ Universal Spring Rack for Various Shapes/Sizes of Flasks (Optional)

Specifications & Ordering information

〈L1〉

Spec. \ Model		A. "WIS-ML02" 2 Shaking Platform	B. "WIS-ML04" 4 Shaking Platform
Shaking Stacks		2 Stack	4 Stack
Temp. Range & Accuracy		10℃~60℃, ±0.2℃ at 37℃	
Temp. Uniformity & Sensor		±1.0℃ at 37℃, PT100 Sensor	
Heater		1.5 kW	1.8 kW
Compressor		1/2HP	3/4HP
Compressor Control		Intelligent Control of Refrigerator for Preventing Overload of Compressor	
Refrigerant		CFC-Free(404A) Refrigeration System	
Shaking Speed & Stroke		30 ~ 250 rpm, 25mm Orbital Motion	
Timer & Alarm		99hr 59min (with Continuous run.), Error status & Timer-end	
Display		Digital LCD with Back-Light Function	
Controller		Digital Fuzzy Controller with Jog-Shuttle Switch (Turn+Push)	
Door		Magnetic Packing Door with Pair Glass	
Plate Size		w700×d600mm	
Platform(Included) & Capacity for Optional Flask Holders		Universal Platform for Various Shapes & Sizes of Flasks Capacity : 68ea Flask Holder, for 50~100㎖ Flask 36ea Flask Holder, for 200~300㎖ Flask 21ea Flask Holder, for 500~1,000㎖ Flask	
Safety Circuit		Over Temp./ Current Protector, Sensor Error Detector	
Material		Internal : Stainless-steel (#304), External : Powder Coated steel	
Dimension (w×d×h)	Internal (mm)	700×700×1,100	700×700×1,790
	External (mm)	1,290×850×1,445	1,290×850×2,125
Packing Size (w×d×h) (mm) & Gross Weight		1,500×1,200×1,750	1,500×1,200×2,350
		397 kg	555 kg
Power Consumption		2.4 kW	3.2 kW
Electrical Reqts.		1 Phase, AC 120V, 60Hz or AC 230V, 50/60Hz	1 Phase AC 120V, 60Hz or AC 230V, 50/60Hz or 3 Phase
Cat. No.	230V	**DH.WIS05002**	**DH.WIS05004**
	120V	**DH.WIS05102**	**DH.WIS05104**
	3Phase	-	**DH.WIS03004**
Price, Each. ₩		8,963,000	11,983,000

※ 운임 별도



(1) Universal Platform "SP620" (Included)



(2) Universal Spring Rack Platform "SR520" (Optional)



SS Flask Holder w/Spring Ring (Optional)

C. Validation (IQ, OQ) Service Shaking Incubator

		Ea. Price, ₩
DH.WIS35002	Validation Service(IQ, OQ), with **"WIS-ML02"**	
DH.WIS35004	, with **"WIS-ML04"**	

Optional Spring Rack Platform and Stainless-steel Flask Holder(with Spring Ring)

		Ea. Price, ₩
DH.WIS504620	(1) Universal Platform, w645×h645mm, **"SP620"**, for **"WIS-ML02/04"**, Included	87,500
DH.WIS504520	(2) Universal Spring Rack, w653×d653×h135mm, **"SR520"**, for **"WIS-ML02/04"**	356,300
DH.WIS600100	(3) Stainless-steel Wire Spring Flask Holder, for 100㎖ Flask , **"FHS100"**	8,800
DH.WIS600250	(4) , for 250㎖ Flask , **"FHS250"**	10,000
DH.WIS600500	(5) , for 500㎖ Flask , **"FHS500"**	11,300
DH.WIS601000	(6) , for 1000㎖ Flask, **"FHS1000"**	13,800

Articles	Cat. No	Description



Graduated Valumetric™ Bottle


■ **Tamper Evidence Strip sticker**
■ **Hazard Communication Label**
H=Health, **F**=Fire, **R**=Reactivity,
PE=Personal Equip

Wheaton® Valumetric™ Clear Straight Sided Jars, CLEANPACK™, Tall-form, 30~500㎖

Dual Matrics Fine Graduation(㎖ & oz), Chemical Resist PP Screwcap, ASTM · EPA · USP, **정밀눈금 大 광구병/자**

■ ***Supplied by Wheaton® in USA*** ■ ***with Hazard Communication Label and Tamper Evident Strip-sticker***
■ ***With Functional Screwcaps :***
(1) Poly-Vinyl Lined PP Cap : General Purpose, Chemical Resistance, Good for Acids / Alkalis / Solvents / Alcohols / Oils / Aqueous Products Poor for Active Hydrocarbons
(2) Teflon®-Lined PP Cap : "TEFLON-faced Foamed Polyethylene" Ideal for Analytical Lab Samples / High-Purity Chemicals / Strong-Solvents · Acids · Corrosives / Environmental Samples / Pharmaceuticals & Diagnostic Reagents
∗ Ideal for Analytical Lab Samples, Solvents, Chemicals and Samples Storage.
∗ USP Type Ⅲ Standards, "800" Clear Glass α 8.8 ∗ Very Convenience Pack with Cell-Partitions

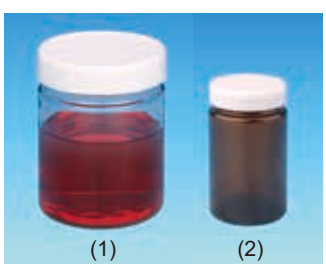
〈L1〉

(1) With Poly-Vinyl Lined White PP Screwcap

		Ea.	Price, ₩	Cs.	Price, ₩
WH.W216966	Jar, Clear, 30 / 5㎖ , Φ 34×h 68 mm , Cap 33-400		3,570	48ea	140,830
WH.W216967	, 60 / 5㎖ , Φ 42×h 83 mm , Cap 38-400		3,820	48ea	151,050
WH.W216968	, 125 / 5㎖ , Φ 51×h 102 mm, Cap 48-400		4,620	24ea	92,340
WH.W216969	, 250 / 10㎖, Φ 62×h 127 mm, Cap 58-400		5,720	24ea	113,570
WH.W216970	, 500 / 50㎖, Φ 76×h 145 mm, Cap 70-400		7,420	24ea	147,190

(2) With Teflon®-Lined White PP Screwcap

		Ea.	Price, ₩	Cs.	Price, ₩
WH.W216971	Jar, Clear, 30 / 5㎖ , Φ 34×h 68 mm , Cap 33-400		4,870	48ea	191,580
WH.W216972	, 60 / 5㎖ , Φ 42×h 83 mm , Cap 38-400		5,470	48ea	216,150
WH.W216973	, 125 / 5㎖ , Φ 51×h 102 mm, Cap 48-400		7,200	24ea	142,830
WH.W216974	, 250 / 10㎖, Φ 62×h 127 mm, Cap 58-400		9,300	24ea	185,920
WH.W216975	, 500 / 50㎖, Φ 76×h 145 mm, Cap 70-400		12,450	24ea	247,780


(1) (2)

Straight-sided Glass Jars, Graduated, with PP Screwcap and PE-Liner, 100~1000㎖

Soda-lime Glass, <Korea-Made> **광구병, 스트레이트 사이드 자**

〈L1〉

(1) Clear-glass

		Ea.	Price, ₩	Pk.	Price, ₩
SL.Bot2131	Glass Jar, Screwcap, 100㎖ , Φ60×h77 , neck od-56mm		1,040	60ea	62,250
SL.Bot2132	, 240㎖ , Φ63×h110, neck od-56mm		1,230	60ea	73,500
SL.Bot2133	, 500㎖ , Φ92×h117, neck od-89mm		1,880	30ea	45,000
SL.Bot2134	, 1000㎖, Φ98×h183, neck od-89mm		2,630	24ea	63,000

(2) Amber-glass

		Ea.	Price, ₩	Pk.	Price, ₩
SL.Bot2136	Amber glass Jar, Screwcap, 100㎖, Φ60×h77 , neck od-56mm		1,420	60ea	84,750
SL.Bot2137	, 240㎖, Φ63×h110, neck od-56mm		1,600	40ea	64,000

Wisd™ PP Straight Sided Measure™ Jars, Precisely Graduated, Autoclavable, 25~1,000㎖

Transparent, with BS Standard Large Neck Screwcap/Lip Sealed, Leakproof, **대광구 계량병, 정밀눈금 자**



■ ***Made in Korea*** ■ ***식품 및 실험실 시료 보관에 적합***
■ ***Ideal for Foodstuffs and Laboratory for Storage of Samples, Powders, etc.***
∗ Useful Straight Sided / Large Neck Jars with Liner-less Screwcaps ∗ 121℃ Autoclavable
∗ Transparent Jar and White Opaque Cap. BS Standard Thread
∗ Good Chemical Resistance & High Temperature 125/140℃
※ ***Note! When Autoclaving, Loosen Off the PP Screwcap!!***

〈L1〉

		Pk.	Price, ₩	Cs.	Price, ₩
DH.Con3012	Jar, PP, scale, 25 / 5㎖ , Φ37×h37 mm	5ea	5,950	12pk	66,000
DH.Con3013	, 50 / 5㎖ , Φ37×h64 mm	5ea	6,930	9pk	57,670
DH.Con3014	, 125 / 12.5㎖ , Φ58×h60 mm	4ea	6,630	9pk	55,130
DH.Con3015	, 250 / 25㎖ , Φ58×h106 mm	4ea	11,030	6pk	61,200
DH.Con3016	, 500 / 50㎖ , Φ92×h95 mm	4ea	14,480	2pk	26,800
DH.Con3017	, 1,000 / 50㎖ , Φ92×h168 mm	4ea	15,800		



Kartell® HDPE Cylindrical Jars, Non-Autoclavable, 70~2,000㎖

With Large PP Screwcap & Insert LDPE Plug Cap, −50℃+120℃, <Italy-Made> HDPE **실린더형 大 광구병**

∗ Large-neck for Powders and Solid Specimen.
∗ Good Stress Crack / Impact Resist and Good Chemical Resistance.

〈L1〉

		Ea.	Price,₩	Cs.	Price, ₩
KA.1563	Jar, HDPE, 70㎖ , Φ50×h60mm , Neck id. 36 mm		2,280	100ea	219,340
KA.1564	, 120㎖ , Φ56×h71mm , Neck id. 36 mm		2,530	100ea	244,630
KA.1565	, 250㎖ , Φ69×h94mm , Neck id. 50 mm		2,650	50ea	128,000
KA.1566	, 500㎖ , Φ86×h107mm , Neck id. 70 mm		3,280	50ea	158,450
KA.1567	, 1000㎖, Φ111×h128mm, Neck id. 85 mm		4,530	20ea	87,640
KA.1569	, 1500㎖, Φ111×h182mm, Neck id. 87 mm		5,020	10ea	48,580
KA.1568	, 2000㎖, Φ111×h235mm, Neck id. 87 mm		5,690	10ea	55,180

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



(1) (2)

Dressing Jars, Glass & Stainless-steel, <Korea-Made> 드레싱-자

〈L3〉

(1) Glass Jar, with Stainless-steel Lid, Φ90×h110mm

Cat. No	Description	Ea. Price, ₩
C9.3201	Dressing Jar, Glass, Φ90×h110mm	16,900

(2) All Stainless-steel Jar, Φ75×h60mm, Φ90×h50mm

Cat. No	Description	Ea. Price, ₩
C9.3010	Dressing Jar, Stainless-steel, Φ75×h60mm	5,200
C9.301W	, Φ90×h50mm	8,450



Multi-use Stainless-steel Jars, with Hinged Lid, <Korea-Made> 다용도 스테인레스-자, 원통형

∗ Clean & Nonpolluting, Long Life Cycle Stainless-steel Product.
∗ Multi-purpose : Laboratory, Medical

〈L3〉

Cat. No	Description	Ea. Price, ₩
C9.1221	Stainless-steel Jar, Cylindrical, Hinged Lid, 500㎖ , Φ85×h95mm	18,200
C9.1222	, 1000㎖, Φ100×h130mm	31,200



Multi-use Stainless-steel Jars, with Lid & Cylindrical, <Korea-Made> 다용도 스테인레스-자, 원통형

∗ Clean & Nonpolluting, Long Life Cycle Stainless-steel Product.
∗ Multi-purpose : Laboratory, Medical

〈L3〉

Cat. No	Description	Ea. Price, ₩
C9.3020	Stainless-steel Jar, Cylindrical, Φ85×h 90mm	8,450
C9.3030	, Φ115×h120mm	12,350
C9.3040	, Φ140×h140mm	18,200
C9.3050	, Φ170×h170mm	22,100

Articles	Cat. No	Description





Wisd™ Reagent Adhesive Label, for Wash- or Reagent- Bottle, Transparent, with 4 Colors, L125×h45mm
With Marking Area, Printed Reagent Names & Molecular Formula & CAS Number and NFPA, **투명 시약명 접착라벨**

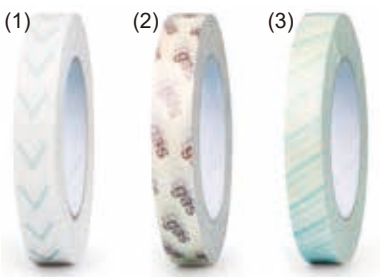
■ ***Supplied by DAIHAN Korea*** ∗ with White Marking Area
∗ Compliant with NFPA-diamond Symbol (National Fire Protection Agency)
∗ with 4 Colors ① Blue : Alcohol Group Reagent ② Green : Pure Water
③ Orange : General Reagent ④ Red : Dangerous Reagent

〈L1〉

Cat. No.	Reagent	Color	Ea. Price ₩
DH.Lab3001	Acetic Acid	Orange	380
DH.Lab3002	Acetone	Orange	380
DH.Lab3003	Acetonitrile	Orange	380
DH.Lab3004	Deionized Water	Green	380
DH.Lab3005	Distilled Water	Green	380
DH.Lab3006	Ethanol	Blue	380
DH.Lab3007	Ethyl Acetate	Red	380
DH.Lab3008	Heptane	Orange	380
DH.Lab3009	n-Hexane	Orange	380

Cat. No.	Reagent	Color	Ea. Price ₩
DH.Lab3011	Isopropanol	Blue	380
DH.Lab3012	Methanol	Blue	380
DH.Lab3013	Methylene Chloride	Orange	380
DH.Lab3014	Methyl Ethyl Ketone	Red	380
DH.Lab3015	Pentane	Orange	380
DH.Lab3016	Tetrahydrofuran	Orange	380
DH.Lab3017	Toluene	Red	380
DH.Lab3018	Xylene	Red	380
-	-	-	-

(1) (2) (3)



for Dry-Heat | for EO-Gas | for Auto-Clave

Sterilization Indicator Lable / Tape, w19mm×L50m/Roll
For Dry-Heat, EO-Gas, and Steam Sterile(Autoclaving), **멸균 감지 테이프**

■ ***색의 변화를 통해 멸균 여부를 확인하는 데 사용***
∗ Changing Color after Expose to Sterilization Process(Dry-Heat, EO-gas, Steam Sterile)

〈L1〉

(1) For Dry-Heat Sterile, <Italy-Made>

		Ea.	Price, ₩
KA.1051	Dry-Heat Sterile Indicator, w19mm×L50m / Roll, White→Brown	1roll	81,100

(2) For EO-Gas Sterile, <Germany-Made>

		Ea.	Price, ₩
HH.1080551	EO-Gas Sterile Indicator, w19mm×L50m / Roll, Red→Green	1roll	14,570

(3) For Steam Sterile(Autoclaving), <Germany-Made>

		Ea.	Price, ₩
HH.1080550	Autoclave/Steam Sterile Indicator, w19mm×L50m / Roll, Green→Brown	1roll	12,820



Sterilization Indicator Roll Bags, with Printed Graduations, L200m/Roll
For Autoclave & EO-Gas Sterilization, **멸균 감지 포장지**

■ ***오토클레이브 또는 EO가스 멸균 시 포장하여 포장지의 색변화를 통해 멸균 여부를 감지할 수 있음.***
■ ***When Autoclave or EO Gas Sterilization, It can be Indicated Sterilization through a Color Change of Packaging.***
■ ***It has Printed Graduations for Convenience to Cut, It is not Necessary to Worry about Object Length.***
∗ Bag can be Sealed with Heat Sealer ∗ Material : PET+CPP · Paper
∗ Discoloration : Autoclave / Blue → Black. EO-Gas / Red → Brown

〈L2〉

		Roll.	Price, ₩
SL.Bag9092	Sterilization Indicator Bag, w75×L200m/Roll		40,630
SL.Bag9093	, w100×L200m/Roll		53,230
SL.Bag9094	, w150×L200m/Roll		84,000
SL.Bag9095	, w200×L200m/Roll		113,400
SL.Bag9096	, w250×L200m/Roll		141,390



Heat Sterilizer Label

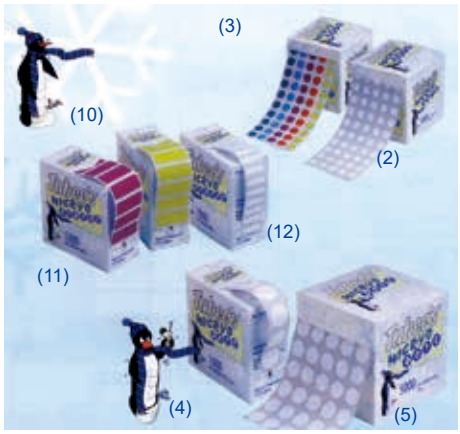
Nichiyu® Heat Sterilizer Indicator Label, 160℃/3h, 180℃/30min, Pink ⇒ Brown
건열 멸균 감지 라벨

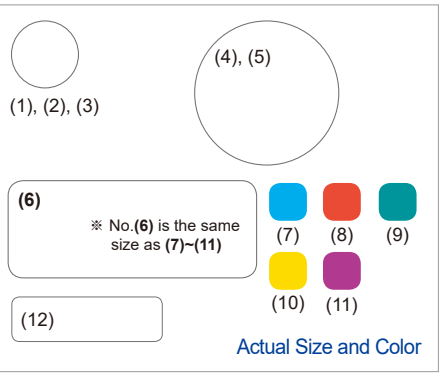
∗ Color Changes from Pink to Brown by Special Dry Heat Ink.
∗ Color Change Temperature · Time : 160℃ · 3Hours, 180℃ · 30minutes

〈L2〉

		Cs.	Price, ₩
SL.Lab9051	"D-L" Heat Steril. Label, w19×L32mm	500ea	73,740

※ The Price(VAT is extra) for Korean End-user, and Changeable.





Camlab® Micryo Dot & Strip - Label, Cryo-ware Labelling

For Low Temp Down to −196℃ & LN_2, Labels on Roll, <UK-Made> Cryo-ware용 라벨

- ***New range of Self-Adhesive Labels designed Specifically for Low Temperature Use.***
- ***Strong Permanent Adhesive (apply at +5℃ or more) No need for Separate Labelling Solutions for both your Cryopreservation Units and your Ultra Low Freezers as low as −196℃.***

∗ Can be used down to −196℃ & LN_2
∗ Pre-cut self adhesive shapes in several sizes and color
∗ Used on Polypropylene, Glass, Polycarbonate and most Metals
∗ Thin Layer Label means Overall Smaller Size on Tube : Fit into most Storage System
∗ Unique Adhesive Formula for Greater Staying Power
∗ Labels on Roll

<L1>

1. Micryo Dots, Circle Label

		Roll. Price, ₩
CL.1146435	(1) Label, White, 9.5mm diameter, roll of 1000	118,670
CL.1146436	(2) , 9.5mm diameter, roll of 5000	136,750
CL.1146444	(3) , 5 colours 9.5mm diameter, roll of 5000* *(1000 of each Blue, Red, Green, Yellow, Purple)	138,800
CL.1146437	(4) Label, White, 19mm diameter, roll of 1000	67,790
CL.1146438	(5) , 19mm diameter, roll of 5000	334,890

2. Micryo Strips, Square Label

		Roll. Price, ₩
CL.1146434	(6) Label, White , 33×13mm, roll of 1000 strips	65,630
CL.1146439	(7) , Blue , 33×13mm, roll of 1000 strips	122,940
CL.1146440	(8) , Red , 33×13mm, roll of 1000 strips	64,970
CL.1146441	(9) , Green, 33×13mm, roll of 1000 strips	208,480
CL.1146442	(10) , Yellow, 33×13mm, roll of 1000 strips	65,890
CL.1146443	(11) , Purple, 33×13mm, roll of 1000 strips	76,430
CL.1158143	(12) , White , 20×6mm , roll of 1000 strips	70,130



(1) Strip pack, yellow

(2) 5 Color Assorted

Camlab® Tubee's® Dot and Strip, −20℃+40℃, Labels on Rolls

For Use with Micro-tubes, Cryogenic Vials and Test tubes, <UK-Made> 다용도 간편 사용 라벨

- ***Suitable for Use with Microtubes, Cryogenic Vials, Test Tubes, Chromatography Sample and other Low Volume Tubes and Disposables within Freezer and Incubator Applications***
- ***Permanent Adhesive Labels suitable for Low Temperature : -20℃+40℃ (Application Temperature +5℃)***
- ***Label Coatings will Not Smudge, so No Special Marker Pen Required***
- ***Dots will Adhere to Strip Labels If Required***
- ***Dot Pack Includes a Useful Column of White Dots, Pre-numbered 0-9 Repeating***

(1) Strip pack, Yellow, 1000 strips

∗ 33×13mm Yellow Strip Labels

<L1>

		Roll. Price, ₩
CL.1146433	**Strip pack** : Containing one **reel of 1000 yellow PE strip, 33×13mm**	59,800

(2) Dot pack, 5 Color assorted, 5000 dots

∗ Pack of 5000 Cliored 9.5mm Dots
∗ Each Color 1000ea : Yellow, Purple, Red, White and White pre-numbered 0-9 repeating.

		Roll. Price, ₩
CL.1146432	**Dots pack** : Containing one **reel of 5000 paper dots 9.5 diameter**	118,170



Camlab® Tubee's® Hi-Low Temperature Strip Label, −85℃+100℃, 20×6mm and 33×13mm

For Use with Micro-tubes, Cryogenic Vials and Test tubes, Labels on Roll, <UK-Made> 저온 고온 겸용 스트립 라벨

- ***Self-Adhesive Labels Suitable for High and Low Temperature Applications across the range of 100℃ down to -85℃***
- ***For Use on Natural Polypropylene Product and many other Plastic***
- ***Offer a High Degree of Chemical Resistance***
- ***Ideal for Use on Microtubes, Cryogenic Vials etc.***
- ***1000 Labels on Roll***

<L1>

		Roll. Price, ₩
CL.1158134	(1) Label, Hi-low strip pack, Yellow, 33×13mm, 1000 Labels/Roll	73,490
CL.1158135	(2) , Pink , 20× 6mm , 1000 Labels/Roll	60,150

Articles	Cat. No	Description



Camlab® Low-Temp Stick-Off Labels On Roll, Easy Removable in Warm Water
For Low Temp Down to −70℃, <UK-Made> 간편 접착/탈착 라벨

* Designed Specifically for Easy-to-Use
* Labels on Roll
* Easy to remove with Immersing in Warm Water
* Suitable for Low Temperature Work Down to -70℃

〈L1〉

		Pk.	Price, ₩
CL.1158434	Label, Stick-Off, 25×25 mm, 2500 Labels / Pk.		74,500
CL.1158437	, 50×25 mm, 2500 Labels / Pk.		99,930

, Write-On 라벨 테이프



High / Low Temp Labelling Tape

Camlab® High-Low Temp Write-on White Label Tape, Large-range −30℃+93℃
Resistance to Acid · Oil · Water, w12.7 & 25.4mm, L7.62m Roll, <UK-Made> 저온-고온 내열 라벨 테이프

* Permanent Adhesive Label : withstandable Wide-range Temp : −30℃ to +93℃ & LN_2.
* Easy to Remove : When removal is desired the Tape simply pulls off easily and leaves no residue.
* Acid-/oil-/Water-proof
* Supplied 12.7 & 25.4mm Width on 7.62m Length Rolls

〈L1〉

		Roll.	Price, ₩
CL.1151356	Hi-Low Temp Label Tape, -30℃ to +93℃, w12.7×L.7.62m / Roll	7.62m	122,780
CL.1167101	, w25.4×L.7.62m / Roll	7.62m	124,550



(1)



(2)



(3)

3M® Scotch® "810D" Write-On-Label Magic Tape with Dispenser, w12 & 18mm, L18~32m
Ideal for Permanent Applications, Translucence, Easy to Write on Text, Using Hand-tear, 매직라벨테이프

* Preferred Tape for offices, Home offices and Schools, Original Matte Finish, Invisible Tape.
* Write on it with Pen, Pencil or Marker.
* Ideal for Permanent Applications Like Mending and Splicing.

〈B4〉

		Pk.	Price, ₩	Cs.	Price, ₩
3M.02.6003	(1) "810D" Magic Tape/Dispenser, 12mm×L20m	1roll	2,300	180pk	
3M.02.6004	, 18mm×L30m	1roll	3,450	180pk	
3M.02.6005	(2) "810R" Refill, Magic Tape Roll, 12mm×L18m	1roll	1,660	120pk	
3M.02.6006	, 18mm×L32m	1roll	3,380	120pk	

(3) "SM-3Deal" Comfort-kit, With 3 Magic Tape 18mm×L32m and 1 Reusable Dispenser "C-40"

		Pk.	Price, ₩	Cs.	Price, ₩
3M.02.6007	"SM-3Deal" Magic Tape Kit, Dispenser+3Tape(18mm×L32m)	1kit	11,410	20pk	



Bel-Art® Write-On Label Tape, Colored, Length 36m
For Writing or Marking, 라벨테이프

■ ***Supplied by Bel-Art® in USA***

* Attached to All Items, Including Teflon, and Adhesives in Place that will not Removed. 36m/Roll
* All Writing Instruments Available.
* Available in the Sterilizer.
* Resistant to Moisture and All Types.
* Can Be Used Up to −73℃

〈L3〉

Width	White	Red	Yellow	Green	Blue	Orange	Price, ₩
12.7mm	**BE.F13463.0005**	**BE.F13463.1005**	**BE.F13463.2005**	**BE.F13463.3005**	**BE.F13463.4005**	**BE.F13463.5005**	10,800
19.05mm	**BE.F13463.0075**	**BE.F13463.1075**	**BE.F13463.2075**	**BE.F13463.3075**	**BE.F13463.4075**	**BE.F13463.5075**	14,040
25.4mm	**BE.F13463.0010**	**BE.F13463.1010**	**BE.F13463.2010**	**BE.F13463.3010**	**BE.F13463.4010**	**BE.F13463.5010**	17,930



(1)



(2)

SciLab® Black Write-On Label Dispenser, for Label Tape, 1 · 2 · 4-Roll
With Smooth Writing Platform and Serrated Cutting Edge, Stable Footprint, 라벨 디스펜서

■ ***Made in Korea***

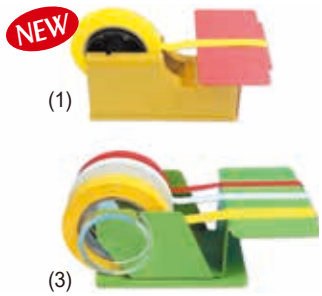
* Made of Stainless-steel
* Making Labeling Easy and Fast
* Various Width and Color Tape Rolls can be Mixed together on Spindles

〈L3〉

		Ea.	Price, ₩
SL.Dis7120	(1) Label Dispenser, Black, for-1 Roll, 240×120×h96mm, Spindle od-Φ76×L33mm		40,250
SL.Dis7121	(2) , for-2 Roll, 255×160×h93mm, -Φ76×L55mm		50,320
SL.Dis7122	(3) , for-4 Roll, 255×210×h93mm, -Φ76×L135mm		62,390

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



SciLab® Write-On Label Dispenser, for Label Tape 1 · 2 · 3-Roll
With Steel Platform & Pad, **라벨 디스펜서, 테이프의 커팅과 글을 쓰기 쉬움**

■ ***Made in Korea***

* Easy Writing, Easy Cutting.
* Anti-skid Pads on the Bottom
* Inner Diameter of the Label Tape : 75~133 mm, width : Up to 25 mm

〈L1〉

		Ea.	Price, ₩
SL.Dis8011	(1) Label Dispenser, for-1 Roll		50,370
SL.Dis8012	(2) , for-2 Roll		62,690
SL.Dis8013	(3) , for-3 Roll		74,380



Simport® Write-ON™ Lab Marker Pen, for High-Temperature and Solvents, 0.5mm Tip
Specially Useful for Histology Marking, Black, 195℃, <Italy-Made> **고온/솔벤트용 마킹펜**

* Excellent Resistant of Solvents and High-Temperature up to 195℃.
* Ink will dry almost instantly. * Good for Histology Cassette.

〈L1〉

		Ea.	Price,₩	Cs.	Price, ₩
SP.M495.12	Pen, Marker, for High-Temp, 0.5mm Tip, Black		9,600	12ea	109,580



Camlab® Biotech Marker Pen, for Low-Temperature up to −135℃, 0.5mm Tip
For Especial Use "Write-On-PE and PP", <UK-Made> **저온 Bio용 마킹펜**

* High Quality Biotech Marker for Ultra-Low-Temperature
* Special, Quick Drying, Smear Resistant ink
* It can be Storage at low temperature.
* Manufactured Especially for Use with Polyethylene and Polypropylene

〈L1〉

		Ea.	Price,₩	Pk.	Price, ₩
CL.1158970	Pen, Marker, for Low-Temp, 0.5mm Tip, Black		12,070	10ea	120,250



A18384 · A18385 · A18386

Monami® Namepen, Oil-based, 0.4~1.8mm Tip, 유성 네임펜

■ ***Made in Korea***

〈B4〉

		Ea.	Price,₩
M9.A15533	Name Pen, 0.4mm tip, Black		720
M9.A18382	, Blue		720
M9.A18383	, Red		720
M9.A47457	, 1.0mm tip, Black		720
M9.A47458	, Blue		720
M9.A47459	, Red		720
M9.A18384	, 1.8mm tip, Black		800
M9.A18385	, Blue		800
M9.A18386	, Red		800

Articles	Cat. No	Description



SB® ABS T-type Multipurpose Level, 2 Tubes, 35×h52mm, ABS T-형 다용도 수평기

* Ideal for Horizontality Work : Machine, Furniture, Camera, Appliance Installation
* Easy to Use & Compact Size
* Dual Bubble Tube * Binding Screw Size : Φ3mm
* 3 Color Random(Red, White, Yellow)

〈B4〉

Cat. No		Ea. Price,₩	Cs.	Price, ₩
S3.ML2V	T-type Multipurpose Level, 35×h52, t13mm	4,710	24ea	



VR-10 VR-15 VR-17

(1) Round Type Vial Level



VS-37 VS-30 VS-29

(2) Tube Type Vial Level

SB® Vial Level, with Round Type (Φ10 · 15 · 17 · 25mm) & Tube Type (Φ6.5 · 9.5 · 12mm), 바이알 수평기

(1) Round Type

* Used for Electronic Balance and Machinery to Confirm the Level

〈B4〉

Cat. No		Ea. Price,₩	Cs.	Price, ₩
S3.VR10	Vial Level, Round, Φ10×8.0mm	2,040	10ea	
S3.VR15	, Φ15×8.0mm	2,040	10ea	
S3.VR17	, Φ17×8.0mm	2,040	10ea	
S3.VR25	, Φ25×14mm	2,040	10ea	

(2) Tube Type

Cat. No		Ea. Price,₩	Cs.	Price, ₩
S3.VS29	Vial Level, Tube, Φ6.5×29mm	1,020	10ea	
S3.VS30	, Φ9.5×30mm	1,020	10ea	
S3.VS37	, Φ9.5×37mm	1,020	10ea	
S3.VS40	, Φ12×40mm	1,020	10ea	



SB® Acryl Circular Level, Φ45×h11mm, Good Durability & Weather Resistance Easy to Install, Fixed by Adhesive or Screw, 아크릴 원형 수평기

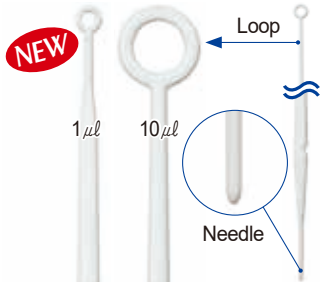
* Circular Level can be Measured at any Angle
* Good Durability / weather Resistance : withstands Long Periods Outdoors
* Accurate Measurements Possible without Refraction

〈B4〉

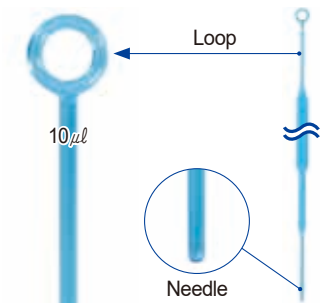
Cat. No		Ea. Price,₩	Cs.	Price, ₩
S3.CL45	Circular Level, Φ45×h11mm	3,970	20ea	

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



(1) & (2) Loop/Needle



(3) Kartell® Loop/Needle

mediclin® Steriled Disposable Inoculating Loop/Needle, ABS/HIPS, Flexible, 1 & 10㎕
Packed in Peel to Open Paper/Plastic, 멸균 플라스틱 접종루프 겸 니들

■ ***멸균 청결 포장된 한쪽은 루프, 다른 한쪽은 니들***
* ABS(Acrylonitrile Butadiene Styrene) or HIP(High Impact Polystyrene)
* Sterile Package : 1pcs / Individual Pack, 10pcs / Sterile Inner Pack, 20pcs / Sterile Bag, 400pcs(20 bag) / Inner Pack, 8000pcs(20 pack) / Case
* Hexagonal Body for Good Grip

(1) Individual Package of Paper-Vinyl, 1㎕ & 10㎕ NEW

■ ***Supplied by DAIHAN Korea***


Sterile Package

〈M1〉

		dh pk.	Price,₩	Cs.	Price, ₩
DM.Loo3004	Loop/Needle, Inoculating, Sterile, L198mm, 1㎕ , White	20ea	2,400	5000ea	497,500
DM.Loo3001	, 10㎕, White	20ea	2,400	5000ea	497,500

(2) 10pcs Package of Paper-Vinyl, 1㎕ & 10㎕ NEW

■ ***Supplied by DAIHAN Korea***

		Pk.	Price,₩	Cs.	Price, ₩
DM.Loo3005	Loop/Needle, Inoculating, Sterile, L198mm, 1㎕ , White	10ea	950	1000pk	872,500
DM.Loo3002	, 10㎕, White	10ea	950	1000pk	872,500

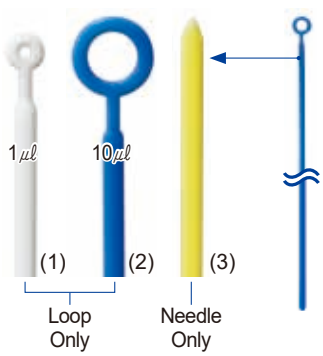
(3) Kartell® <Italy-Made> 20pcs Package of Vinyl, 10㎕

* "Loop-cum-Needle" : one side 10㎕ Loop, the other side Needle(Blue)


Sterile Package

〈L1〉

		Pk.	Price,₩	Cs.	Price, ₩
KA.2651	Loop/Needle, Inoculant, Sterile, L195mm, 10㎕, Blue	20ea	2,140	400pk	827,820



Biofil® Sterile Treated Inoculating Loop and Needle, PP, Quality Traceable, 1 & 10㎕
With Treated Surface, 100,000 Clean Grade, 일회용 멸균 접종 루프 와 니들, 멸균 · 특수 표면 처리

■ ***Manufactured in Class 100,000 Cleanroom with Materials Conforming to USP CLASS VI Standards under the Quality Control of ISO 13485 & 9001 and CE.***
■ ***Batch Certifications : Lot No. is Printed on Every Case (or Pack) for Quality Traceability.***
* Vacuum-gas Plasma Surface treated.
* Accurate Sampling Volume Design.
* Sterile Package : 20pcs / Sterile Inner Pack, 2,000pcs (20ea×100Pk) / Outer Case.
* γ-sterile
* Long flexible stem can be bent.
* Color-coded

〈L1〉

		Pk.	Price,₩	Cs.	Price, ₩
J1.L011.001	(1) Loop Only, Inoculating, Sterile, 218mm, 1㎕ , White	20ea	1,190	100pk	106,540
J1.L011.010	(2) , 221mm, 10㎕, Blue	20ea	1,190	100pk	106,540
J1.L021.001	(3) Needle Only, Inoculating, Sterile, 221mm, Yellow	20ea	1,190	100pk	106,540

Hammacher® Premium Dissecting Needle, WIRONIT™ Special Non-magnetic/Rust-free Stainless-steel, with Handle, L140 & 160mm
With Straight · Bent · Lancet-model, Highest Elasticity and Toughness, <Germany-Made> 프리미엄 해부용 니들, 독일제, 비자성/비부식 특수스텐



■ ***Germany-made 프리미엄급; 비자성, 비부식, 내산성 / 내약품성 / 내열성 우수***
■ ***Wironit™ Special Stainless-steel of 18/12 Cr-Ni***
; Non-magnetic, Rust-free, Excellent Resistance to Acid / Chemicals / Heat

〈L1〉

		Ea.	Price, ₩
HA.HWO002.00	(1) Dissecting Needle, SS Handle, Straight, L140mm		21,370
HA.HWO001.00	(2) , Angled, L140mm		25,630
HA.HWO003.00	(3) , Curved, L140mm		25,140
HA.HWO004.00	(4) Dissecting Needle, SS Handle, Lancet Tip, Straight, L140mm		34,980
HA.HWO005.01	(5) , Angled, L140mm		38,750
HA.HWO007.02	(6) , Right Angled, L140mm		39,420
HA.HWO010.16	(7) Dissecting Needle, SS Handle, Straight, L160mm		19,720
HA.HWO008.14	(8) , Plastic Handle, Straight, L140mm		12,990

Articles	Cat. No	Description



Stainless-steel Dissecting Needle, with Handle, Finished Surface, L140mm
With Straight · Bent · Lancet-model, Made of Stainless-steel 410A, Rust-proof, 해부용 니들

■ ***Supplied by SciLab Korea***

〈L1〉

1. All Stainless-steel, 올스텐형

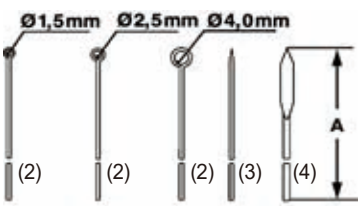
		Ea.	Price, ₩
SL.Ned7015	(1) Dissecting Needle, with Stainless-steel Handle, Straight, L140mm		2,740
SL.Ned7016	(2) , Bent, L140mm		2,740
SL.Ned7017	(3) , Lancet, L140mm		2,740

2. Plastic Handled Stainless-steel, 플라스틱 핸들형

		Ea.	Price, ₩
SL.Ned7018	(4) Dissecting Needle, with Plastic Handle, Stainless-steel, Straight, L140mm		1,380
SL.Ned7019	(5) , Bent, L140mm		1,380
SL.Ned7020	(6) , Lancet, L140mm		1,380



(1)
Holder, L230(120+110)mm



Bochem® High Grade Aluminum Holder and Stainless-steel Loop · Needle · Lancet
Suitable for Inoculating, 고품질 알루미늄 홀더와 스텐 루프 · 니들 · 란셋

■ ***Supplied by Bochem® in Germany***

∗ Holder ; Made of Fine Aluminum & Plastic Handle ; Light-Weight, L230mm
∗ Loop · Needle · Lancet ; Made of High Grade Stainless-steel of 18/10 Cr-Ni ; Non-magnetic, Rust-free, Excellent Resistance to Acid / Chemicals / Heat

〈L1〉

		Ea.	Price, ₩
BC.12000	(1) Holder Only, Aluminum, L230(120+110)mm		22,350
BC.12001	(2) Loop, Stainless-steel, Φ1.5mm, L100mm		4,230
BC.12002	, Φ2.5mm, L100mm		4,230
BC.12003	, Φ4.0mm, L100mm		4,230
BC.12004	(3) Needle, Stainless-steel, L100mm		3,120
BC.12005	(4) Lancet, Stainless-steel, L100mm		5,890



Stainless-steel Holder & Needle

Bochem® Holder with a Needle, High Grade Stainless-steel, L120mm
Hold for Inoculating Loop · Needle · Lancet, 스텐 홀더, 스텐 니들 포함, 비자성/비부식

■ ***Supplied by Bochem® in Germany***
■ ***특급 스텐(18/10 크롬·니켈) 제품; 비자성, 비부식, 내산성 / 내약품성 / 내열성-우수***
■ ***High Grade Stainless-steel of 18/10 Cr-Ni; Non-magnetic, Rust-free, Excellent Resistance to Acid / Chemicals / Heat***

〈L1〉

		Ea.	Price, ₩
BC.12006	Stainless-steel Holder, with a Needle(BC.12004), L120mm		29,300



(1)

(2)

Holder for Inoculating Loop · Needle · Lancet, L120 & 230mm, 경제형 홀더

■ ***Supplied by SciLab Korea***

〈L1〉

(1) Aluminum Holder, with Plastic handle, L230mm

		Ea.	Price, ₩
SL.Ned7011	Aluminum Holder Only, L230mm		6,470

(2) All Stainless-steel Holder, with a Needle, L120mm, 스텐 니들 포함

		Ea.	Price, ₩
SL.Ned7013	Stainless-steel Holder, with a Needle, L120mm		9,720



Platinum Wire, for Inoculating, 99.9%, 백금선, cm단위 판매

■ ***Made in Korea*** ∗ Supplied as the Desired Length in cm

〈L1〉

		Ea.	Price, ₩
DH.WIP001	Pt-wire, Φ0.3mm	1cm	2,070
DH.WIP002	, Φ0.5mm	1cm	5,820
DH.WIP003	, Φ0.8mm	1cm	13,000
DH.WIP004	, Φ1.0mm	1cm	20,250

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



Silicone Grease(100g)

ShinEtsu® Multiuse Silicone Grease, for High Temp & Vacuum Seal
Up to −50℃+200℃, 100g/tube or 1kg/Can, **다용도 고온 실리콘 그리스, 윤활방청·진공·방수·실링용**

〈L2〉

∗ Thermal Oxidation Stability over a Wide Temperature Range.

Cat. No		Ea.	Price, ₩
S8.G40.100T	**Silicone Grease, High-temp. Lubricant**(-30℃+200℃), 100g		15,750
S8.HIVAC.GT	**Oil Compound, High Vacuum Seal**(-50℃+200℃), 100g		18,200


High Vacuum Grease, 50g

Dow Corning® Silicone High Vacuum Grease, 1.33×10⁴Pa(10⁻⁶㎜Hg), 50g
For High Vacuum, Oxidation/Chemicals Resistance, 40℃~200℃, **고진공 실리콘 그리스**

■ ***Made in Korea***
∗ Silicone Lubricant for Glass Stopcocks, Joint and Glass-Rubber Connections
∗ Low Volatility
∗ Good Lubricating and Sealing Ability
∗ Excellent Resistance to water, Chemicals, High and Low Temperatures

〈L1〉

Cat. No		Ea.	Price, ₩
DH.Gre6001	High Vacuum Grease, 1.33×10⁴Pa(10⁻⁶㎜Hg), 40℃~200℃, 50g		10,020

BEX Multi-Lubricant Spray for Anti-Rust / Corrosion / Moisture, 분무 윤활 방청제 KOREA



■ ***Rust/Corrosion Resisting, Moisture proofing*** ■ ***Penetration, Lubrication, Cleaning Action***
■ ***Prevents Rust on Metal Parts*** ■ ***Eliminates Noise from Doors, Windows &c.***

〈B3〉

	ORDER NO.	MODEL NO.	용량	포장단위 Ea. / Cs.	PRICE, ₩ Ea.
①	0493-740	WD-40	78㎖	1 / 30	3,150
②	0442-905		220㎖	1 / 35	4,470
③	0468-629		360㎖	1 / 24	6,210
④	0470-691	WD-40 (Straw-type)	450㎖	1 / 24	7,030

NEW


KF 96 & 50

ShinEtsu® −30℃+250℃ Cool-/Heat-ing Transfer Silicone Fluid, 1kg/Can
열매·냉매 실리콘 오일, 윤활제

■ ***Excellent Electrical Insulative Properties*** ■ ***Colorless & Transparent*** ■ ***Low Vapor Pressure***
■ ***Products Available in Various Viscosities*** ■ ***High Resistance to Shear*** ■ ***Excellent Chemical Stability***
∗ Temperature has little effect on viscosity ∗ High Flash Point ∗ Releasability ∗ Superior Thermo-oxidative Stability
∗ Low Surface tension ∗ High Compressibility ∗ Outstanding Lubricity ∗ Non-corrosive

〈L2〉

Cat. No		Can.	Price, ₩
S8.KF96.100	Silicone Fluid, -20℃+150℃, 1kg/Can	1kg	18,200
S8.KF54	Phenylated Silicone Fluid, -30℃+250℃, 1kg/Can	1kg	101,500

NEW



SK™ Best COOL-/HEAT-ing Transfer Fluid, Synthetic Silicone Mixture, −40℃+400℃, 20Lit
For Low/High-Temp Baths, Clearly Harmless Liquid, **냉매/열매 겸용 실리콘계 합성 열매체유**

■ ***Supplied by DAIHAN Korea*** ■ ***The Best Circulation Properties / Thermal Stability.***
∗ Colorless and Transparent Liquid. ∗ Do not use for Silicone Tube

(1) SYN THERM 7008®, −40℃+400℃, 저/고온용

∗ Kinematic Viscosity, cSt ⇒ (1) −40℃ : 51.56cSt, (2) 0℃ : 16.08cSt, (3) 100℃ : 3.43cSt, (4) 200℃ : 1.36 cSt
∗ Specific Gravity : 0.9435 at 15℃ ∗ Flash Point(PMCC) : 168℃ ∗ Pour Point : −72℃

〈L1〉

Cat. No		Pk.	Price, ₩
SL.Syn7008	Cool/Heat Transfer Fluid, −40+400℃, 20Lit	20Lit	1,300,000

(2) SUPER THERM FG-20®, −10℃+300℃, 고온용

∗ Food Grade Thermal Medium Oil Satisfying FDA, NSF Standards
∗ Kinematic Viscosity, cSt ⇒ (1) 25℃ : 35.65cSt, (2) 100℃ : 4.23cSt, (3) 200℃ : 1.27 cSt
∗ Specific Gravity : 0.8374 at 15℃ ∗ Flash Point : 230℃ ∗ Pour Point : −15℃

Cat. No		Pk.	Price, ₩
SL.Fg0020	Cool/Heat Transfer Fluid, −10+300℃, 20Lit	20Lit	320,000



SHL™ SYN THERM 22L® −5℃+320℃ Heating Transfer Fluid
Synthetic Alkylbenzene Derivative, for Low- & High-Temp Circulation, **알킬벤젠계 합성열매**

■ ***Supplied by DAIHAN Korea***
∗ Hazards Identification of MSDS(Material Safety Data Sheet) : - H315 Causes Skin Irritation
- H319 Causes Serious Eye Irritation - H335 May Cause Respiratory Irritation - H336 May Cause Drowsiness or Dizziness
∗ Kinematic Viscosity & Density : (1) at 0℃ : 22.7cSt, 0.885kg/ℓ, (2) at 40℃ : 21.80cSt, 0.859kg/ℓ, (3) at 80℃ : 6.09cSt, 0.834kg/ℓ
(4) at 140℃ : 6.09cSt, 0.795kg/ℓ, (5) at 200℃ : 1.10cSt, 0.756kg/ℓ, (6) at 260℃ : 0.74cSt, 0.718kg/ℓ

〈L1〉

Cat. No		Pk.	Price, ₩
SL.SYN22L	SYN THERM 22L® Heating Transfer Fluid, -5℃+320℃, 20Lit	20Lit	145,000

Articles	Cat. No	Description



Compact Luxmeter, 0.1~200,000Lux

SAUTER® Compact Luxmeter, "SP200K", 0.1~200,000 Lux, Selectable Units : FC, Lux With LED Light Measurement & Rotatable Sensor, Sturdy Protective Sensor Cover, 디지털 조도계

■ ***Supplied by SAUTER® in Germany***

- ∗ Optimised for Accurate Light Measurement
- ∗ Ideal for Measuring Illumination of Office Work & Production stations, etc
- ∗ Sensor : Silicone Diode, Filtered
- ∗ Easy to Toggle between Unit by a Keypress
- ∗ Cosine Correction for Incidence of Light at an Angle
- ∗ Data-Hold Function
- ∗ Rotatable Sensor Unit (+90 and -180°) for Optimum Alignment to the Light Source
- ∗ Sturdy Protective Cover for the Photo Sensor
- ∗ Provide a Soft Case for Impact Protection
- ∗ TRACK Function for Continuous Recording of Variable Environmental Conditions
- ∗ Peak Hold Function to Capture the Peak Value
- ∗ Selectable Units : FC(Foot-Candle), Lux
- ∗ Option of Fitting a Stand on the Rear of the Housing, ¼" Thread



with Soft Case

Specifications & Ordering Information

〈L1〉

Spec. \ Model	SP200K			
Measuring range (lx)	0-200	200-2000	2000-20000	2000-200000
Readout (lx)	0.1	1	10	100
Precision up to 20.000 Lux	±(4% of the Result + 10 Scale Intervals)			
Precision From 20,000 Lux	±(5% of the Result + 10 Scale Intervals)			
Repeatability	±2 %			
Temperature Error	±0,1 %			
Measuring Frequency	2 Hz			
Battery	9V Battery, Operating Time up to 200 Hours			
Operating Temp. / Humidity	0 ~ 40 ℃, Max. 80 % RH			
Dimensions (w×d×h)	185×68×38 mm, 130g			
Cat. No.	SA.SP200K			
Price, Each. ₩	202,790			

1-Year Warranty



"WalkLAB LUX" 0~50,000Lux

Trans® Portable Lux Meter, "WalkLAB LUX", 0~50,000 Lux, with Remote Semi-Spherical Light Sensor Selectable Display Resolution, Low Battery Indicator, Automatic Zero Adjustment, 휴대용 디지털 조도계

■ ***Wide Range of Light Measurements Up to 50,000 Lux***

■ ***Precise and Easy Readout, High Accuracy Measurements***

■ ***Low Battery Indicator Provides Early warning of Weak Battery Level.***

- ∗ Microcontroller Array LSI-circuit provide a High reliability and Durable Performance.
- ∗ Automatic Zero adjustment
- ∗ Large and Easy to Read Low Power LCD Display
- ∗ Compact, Light-weight and easy to Operate
- ∗ Separate Light Sensor allow User to make Measurements at Optimum Position.

Specifications & Ordering information

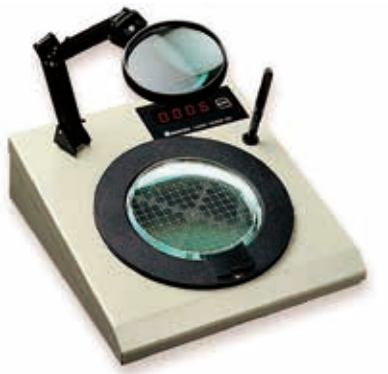
〈L1〉

Models	WalkLAB LUX
Ranges / Resolution / Accuracy	0 ~ 50,000 Lux at 3 Ranges (0~2,000 Lux/1Lux, 0~20,000Lux/10Lux, 0~50,000Lux/100Lux), ±5%
Display	3 1/2 Digit Liquid Crystal Display
Zero	Adjustment Automatic
Sampling Time	0.4 sec.
Sensor Probe	Selenium Photovoltaic Cell
Battery	DC 9 V Battery(1604 or Equivalent)
Operating Temp. / Humidity	0℃~50℃, Max. 80% RH
Size & Weight	164×83×35 mm, 260g (including Battery)
Cat. No.	TR.207
Price, Each. ₩	383,400

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description

Suntex® Digital Colony Counter, "CC570" With Pressure Sensor System, Uniform Sensitivity, Up to Φ150mm Petri-Dish With Ring Shape Lamp illuminating Device, 4-Digit Bright Red LED Counting Display, 디지털 콜로니 카운터



"CC570" Up to Φ150mm Petri-Dish

- ***Pressure Sensor System Providing Uniform Sensitivity over the Whole of the Working Field.***
- ***The Adjustable Focusing Arm enables the Magnifying Glass to be Placed at Various Angles.***
- ***Flexible Adjuster Accepting Up to 150 mm Petri-Dishes.***

∗ Built-in Electronic Register on Deluxe Model - Operated by Any Pen.
∗ Reset Button Providing Immediate Zeroing of the 4-Digit Counter.
∗ Adjustable Focusing Arm allows 1.5x Standard Lens to be Raised or Lowered Up to your Preference.
∗ Background Plate can be Changed to White or Black for Easy Counting
∗ Lens can be rotated 360° for ready access to Petri-Dish ∗ Readout : 4-Digit Bright Red 0.6″ LED Display
∗ Illumination : Ring Shaped Fluorescent Lamp, 30W ∗ Mode of Counting : Marking Pen Counting (Any Pen)
∗ Power Supply : 110V / 220V (Switchable), 50/60Hz
∗ Dimensions : w300×d330×h100 mm ∗ Weight : 6.5kg

〈L1〉

		Ea.	Price, ₩
SU.CC570	Colony Counter, Digital, 220V, 60Hz "CC570" Included in Main Body, 1.5x Auxiliary & Adjustable Focusing Arm, Marking Pen, Power Cord with Plug, Dust Cover		1,366,350
SU.509006	Spare Marking Pen		14,130



A-Kruss® Folding Pocket Loupe, 확대경

- ***Supplied by A-Kruss® in Germany***

〈L1〉

		Ea.	Price, ₩
AK.LU08	(1) Loupe, Folding pocket, 1-lens, 10×, 18mm		22,440
AK.LU10.18	(2) , 3-lens, 10×, 18mm, Rubbered, Silver		83,630
AK.LU10.21	(3) , 21mm, Rubbered, Silver		126,490
AK.LU28	(4) , 20×, & Comines 28×		1,250,770



Fluorescent Light Magnifier "BLM-F"

Wisd™ Multi-use Fluorescent Light Magnifier "BLM-F", ×5 & ×8 Magnification

Base Stand-type, Φ127mm B270 High Clear White Glass Lens, Flexible Arm, 12W, 형광 조명 확대경

- ***Made in Korea***
- ***Ideal for Laboratory, Hospital, Circuit Board Check-Up, etc.***
- ***International Standard Φ127mm B270 White Glass Lens***
- ***Light Source : High Brightness Daylight Blue Fluorescent***
- ***20% Energy Saving Ballast Stabilizer Control System***
- ***Adjustable Height and Lens Angle Direction*** ■ ***2-Stage Spring Flexible Arm***

∗ Light Illumination : 2,800lx ∗ Adjustable Height : 300 ~ 500mm
∗ Base Size : 220×330mm ∗ Electric Power : AC 220V, 12W

Ordering Information

〈L2〉

		Ea.	Price,₩
DH.Mag3105	Magnifier, Fluorescent Light, ×5, **"BLM-F105"**		119,630
DH.Mag3108	, ×8, **"BLM-F108"**		155,880



LED Light Magnifier "BLM-L"

Wisd™ Multi-use LED Light Magnifier "BLM-L", ×5 & ×8 Magnification

Base Stand-type, Φ127mm B270 High Clear White Glass Lens, Flexible Arm, 12W, LED 조명 확대경

- ***Made in Korea***
- ***Ideal for Laboratory, Hospital, Circuit Board Check-Up, etc.***
- ***International Standard Φ127mm B270 White Glass Lens***
- ***Light Source : High Brightness White LED Bulbs (36ea)***
- ***Adjustable Height and Lens Angle Direction***
- ***2-Stage Spring Flexible Arm*** ■ ***Scratch and Nick-Resistant PP Lens Cover***

∗ Ultra Bright LED Light : 5,000lx ∗ Adjustable Height 300 ~ 350mm
∗ Base Size : 220×330mm ∗ Electric Power : AC 220V, 12W

Ordering Information

〈L2〉

		Ea.	Price,₩
DH.Mag3205	Magnifier, Fluorescent Light, ×5, **"BLM-L105"**		172,190
DH.Mag3208	, ×8, **"BLM-L108"**		204,820

Articles	Cat. No	Description



"VAR"
With Controller

V.D.Heijden® Mechanical Precise Vacuum Manometer "VAR", NO-Mercury, 0~1020 mbar
With Precise Controller, 메카니컬 정밀 마노미터, 진공조절식

■ ***Supplied by V.D.Heijden® in Germany*** ■ ***You can Set Your own Vacuum Level.***
■ ***This device is serially switched with an Electric Vacuum Pump (Oil or Diaphragm Pump)***

∗ This vacuum is displayed in mbar (no more conversion necessary).
∗ 2×Barrel Clamps are Attached to the Back of this Meter so that the Device can be Quickly Clamped to a Supporting Wall.
∗ The Precise Vacuum is displayed by a Measurement-device without Any Hysteresis Problems.
∗ Reading : 0 ~ 1020 mbar ∗ Connection : 8 mm Nickeled
∗ Measuring device : 72×72 mm ∗ Metal Dimension : w80×d80×h150 mm

〈L1〉

		Ea.	Price, ₩
VD.3000	Mechanical Manometer "VAR", with Controller, 0~1020 mbar		594,540

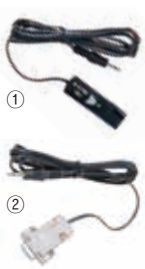
DAIHAN® Digital Pressure / Vacuum Manometer "MAN3003", 10-Different Units ; psi, mbar, etc
+/−(±)30psi / 1551mmHg / 2068 mbar, PC Data Analysisable, Max-Min / Hold / Record, with 8mm Metal Lug, 디지털 마노미터



Digital Pressure / Vacuum Manometer



Hard Carrying Case



■ ***Supplied by DAIHAN Korea***
■ ***Portable Digital Gauge ; 10 Differential Units Pressure / Vacuum Meter, with 8mm Metal Connection***
■ ***PC Interface via Cable and Software to Download Data***
∗ Over-range Indication with Error Messages ∗ 10 units or 5 units for Selection (Metric, Imperial)
∗ Connection ; 8mm Metal Lug ∗ Backlight Function works in Dark Area
∗ Low Battery Indicator ∗ Real Time Shows in Recording Mode

Specifications & Ordering information

〈L1〉

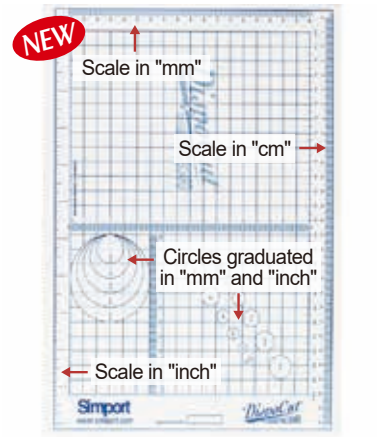
Spec. \ Model		DH.MAN3003
Range & Resolution	psi	±30.00 & 0.02
	kPa and mmHg	kPa : ±206.8 & 0.2, and mmHg : ±1551 & 1
	kg/cm² and mbar	kg/cm² : ±2.109 & 0.002, and mbar : ±2068 & 2
	bar and inH₂O	Bar : ±2.068 & 0.002, and inH₂O : ±830.4 & 0.5
	cmH₂O and inHg	cmH₂O : ±2101 & 2, and inHg : ±61.08 & 0.04
	ftH₂O and oz/inch²	ftH₂O : ±69.2 & 0.04, and oz/inch² : ±480.0 & 0.3
Accuracy		±0.3% of Full Scale at 25℃
Response Time		0.5 sec
Compensated Temp. Range		0℃~50℃
Battery		9V Battery or Adaptor
Dimension / Weight(g)		182×72×30 mm (LCD Size : 29×51mm) / 150g
Standard Package		Meter, Battery, Manual, 2×Connection Hose(50cm), Hard Carry Case
Cat. No. & Price ₩	**DH.Man3003**	**₩ 374,020 / Set**

Option ;	**DH.Gas3013.1**	① USB Cable & Software	**₩ 82,290 / Ea**
	DH.Gas3013.2	② RS232 Cable & Software	**₩ 82,290 / Ea**
	DH.Man3003.1	③ Tubing for 30psi Pressure / Vacuum and 8mm Lug, 50cm, Black	**₩ 5,000 / Ea**

※ **Units Conversion** : 1psi×6.8947=kpa , 1psi×68.947=mbar(hpa), 1psi×0.068966=bar, 1psi×51.71433=torr
1psi×70.038=cmH₂O, 1psi×51.715=mmHg, 1psi×16=oz/inch², 1psi×6890=pascal(pa)
※ **Note!** : Exceeding Maximum Pressure will cause Permanent Sensor Damage !

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



Simport® DispoCut™ Disposable Dissecting Board, PP, Two-sided, Non-Autoclavable, −27℃+71℃
Ideal for Handling Infectious Tissue Specimens, Strong & Flexibility, <Canada-Made> 일회용 해부판

- ***다양한 크기의 도형과 단위 눈금으로 사용하기가 편리함, 양면 사용 가능***
- ***칼이 무뎌지지 않는 표면***
- ***Can be Used on Both Sides***
- ***Made of Polypropylene***
- ***Ideal for Pathology Labs, Medical Schools, Classroom Dissections, Forensic Labs, Medical Research Labs, Pharmaceutical Labs, Surgery***

∗ Extrusion Made Using a Copolymer Resin for Increase Impact and Temperature Performance.
∗ Perfect for Use with Dissecting Pins
∗ Light Rubbing with Alcohol with No Effect on the Material

<L1>

		Pk.	Price, ₩	Cs.	Price, ₩
SP.M630.2	Dissecting Board, PP, Disposable, 229×305mm	12ea	119,370	4pk	454,700
SP.M630.3	, 305×483mm	12ea	230,140	2pk	438,350



Y & K® Melt-blown PP Safety Lab-Table Mat, Thick 0.6mm, w0.5×L60m / Roll
For Prevent Contamination Bench Surface, Excellent Absorption, White Roll, 실험실 테이블 매트

- ***Made in Korea***
∗ Individual Packed
∗ Ideal for Clean Bench, Drawer, Reagent Cabinet
∗ Coated One Side : Prevent Contamination Bench Surface & Maintain Cleanliness
∗ Convenient to Dry after Washing Glassware

<L1>

		Roll.	Price, ₩
Y6.Ma3001	Safety Lab-table Mat, Melt-blown, PP, w0.5×L60m/Roll	60m	84,000



filtratech® Premium Bench Protective Paper, Sheet & Roll-Type, for Prevent Impacts · Acids · Toxic
Made of an Absorbent Paper & PE-Coated Film, <France-Made> 프리미엄 실험실 벤치 보호 매트

- ***흡수성이 뛰어나 산, 유독성 유출물로부터 실험실 벤치 보호 및 실험자의 안전한 작업환경 유지***
- ***Efficient Protection of Laboratory Benches against Impacts, Acids, Toxic, Corrosive or Radioactive Fluids***
- ***With an Absorbent Paper on one Side and with a PE-coated Film on the other.***
- ***Absorption Capacity : 170㎖/m²*** ∗ Weight Cellulose : 100g/m², PE : 25g/m²

<L1>

(1) Sheet-Type

		Pk.	Price, ₩
FL.PP125.F46L	Bench Protective Paper, Sheet-Type, 46×57cm, 50sheets	50sheets	58,930

(2) Roll-Type

		Roll.	Price, ₩
FL.PP125.R46	Bench Protective Paper, Roll-Type, w460mm×L50m	50m	134,790
FL.PP125.R49	, w490mm×L50m	50m	142,480

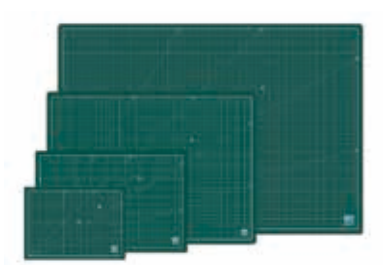


Anti-static Mat, Reusable-type, 2mm Thick, with Non-Slip Treated Surface, 정전기 방지 매트

- ***정전기 방지*** ***미끄럼 방지*** ***반복 사용 가능***
∗ Able to Continue Performance of Anti-static even if it Washes in Water
∗ Material : Resin Molded Article (Self fire Extinguishing Nature Material)
∗ Anti-static Characteristic : Ideal for U.S. Department of Defense Standard DOD-STD-1666 Conformity
∗ Combustibility : Make a Pass to U.S. Department of Commerce standard DOCFF1-70 TEST
∗ Surface Resistance Value : 1×10^{10}~$10^{11}\Omega$

<L2>

		Ea.	Price, ₩
SL.Mat3191	Mat, Anti-static, 560×350×t2mm		97,090



PVC Non-Slip Cutting Mat, Excellent for Self-Recovery, with Grid Line, Durable, 2.75mm Thick
Ideal for Protect Work Surface & Blade, PVC 논슬립 컷팅 매트

- ***Supplied by DAIHAN Korea*** ***Suitable for All Kinds of Writing, Craft Paper Carving, Cutting, etc.***
- ***칼자국을 스스로 회복하는 자체 복원력 우수*** ∗ Help Cutting More Convenient and Smooth
∗ Protect Table-top From Scratches Caused by Sharp Tools or Glue

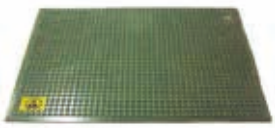
<B4>

		Ea.	Price,₩	Pk.	Price, ₩
DH.Off3005	Cutting Mat, PVC, Thick 2.75mm, 300×215mm		3,290	10ea	31,790
DH.Off3006	, 450×300mm		5,960	10ea	57,790
DH.Off3007	, 620×450mm		11,030	30ea	320,660
DH.Off3008	, 900×620mm		20,270	10ea	196,450

Articles	Cat. No	Description



(1) Blue : Sticky Mat
(2) Green : Rubber Frame Mat



(3) Anti-static Cushion Mat

Sticky Mat, Class 1000, CleanRoom Products, 30 Layers, 점성이 있는 필름재질 매트, 정전기 방지

■ Made in Korea ***■ 크린룸 입구에 설치하여 방진화 바닥에 묻어있는 먼지나 이물질을 제거함***

* Stop Dirt Contamination in the workplace
* For Hospital, Operating Room, Pharmaceutical · Biological · Semiconductor · Electronic manufacturing.
* 30 Layers : Use Each Sheet Many Times Before Peeling off.

〈L3〉

		Ea. Price, ₩	Cs.	Price, ₩
DH.Mat3002	(1) Sticky Mat, 600×900mm, t32㎛	7,900	10ea	72,820
DH.Mat3003	, t35㎛	9,440	10ea	87,140
N4.002	(2) Mat, Rubber Frame	84,380		

Anti-Static (Anti-static Cushion Mat)

■ 크린룸 작업시 피로 방지용 바닥 쿠션 매트

* Fatigue Resistant, Comfort, Non-Slip, Safely Mat.

		Ea.	Price, ₩
N4.004	(3) Mat, Anti-static Cushion, 600×900×t13mm		126,570



Multiuse Silicone Holder
175×175mm

Multiuse Silicone Holder · Non-Slip Mat · Gripper, 4-Color Randomly, 175×175mm
Ideal for Hot or Cold Protection, Heat Resistant up to 230℃, 실리콘 내열 패드/받침

■ Supplied by DAIHAN Korea

* Ideal for Beakers · Bottles · Flasks · Others holder or Hot Pad, Trivet, Jar Opener or Bottle Lid Gripper, or Anywhere You need Extra Grip or Extreme Heat or Cold Protection
* Superior Heat Protection 210℃
* 4 Color(Black, Red, Orange, Yellow) will be Delivered Randomly
* with Hanging Loop for Convenient Storage * Thickness 3mm



Holder



Non-Slip Mat



Gripper

〈B1〉

		Pk.	Price, ₩
DH.Sup6001	Holder · Stand · Gripper, Silicone, 175×175mm, 80g, Random Color	1ea	4,080

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Falc® Professional Melting Point Analyzer "MP360D", Up to +400℃ ±0.5℃, Two Heating Speeds

Simultaneous Measurement of 2 Samples, Internal Cooling Fan, **융점 측정기, 2 샘플 동시측정, 급속 냉각**



Professional Melting Point Analyzer with Capillary Tube 100pcs (One End Closed, Included)

- ***Made in Italy***
- ***PL(Product Liability) Insurance***
- ***Excellent for the most General Lab Sample Melting Point Applications***
- ***Simultaneous Measurement of Two Samples***
- ***Broader and Clear View with : the Internal LED Light, the Magnified Lens, the Second Internal Display, the Second Internal Display, and the Inclination given by the Hind Legs***
- ***Internal Fan for Rapid Cooling after Measurement***
- ***External Manual Control for Easy and Immediate Hold Function***
- ***Included Capillary Tubes, Close Type, L80mm, 100pcs***

∗ The Heated Rate is Divided into 2 Speeds to Reduce the Viewing Time :
- The Fast Stage is Set at 10℃ below the Known Melting Point of the Sample.
- The Temp. is kept at the Fast Stage Point and Beeping for the Next Stage.

∗ Hand Held "READ" Push Button to Quick Response
∗ Ambient Temperature : 5.0℃~40℃
∗ Data Recording System : 32 Sets of Data
∗ Forced Cooling Reduces Analysis Time.
∗ Inside Block Temperature View
∗ External Calibration
∗ External Printer(Option) Automatically Print Sample ID, Date and Melting Point.

Specifications & Ordering information

〈L1〉

Spec. \ Model	"MP360D"
Temp. Range & Accuracy	Ambient to 400℃, ±0.5℃
Temp. Resolution	0.1℃
Fast Stage Ramp Rate	20℃/min Fixed
Slow Ramp Rate	0.2~10℃/min Adjustable, 0.1℃/min Interval
Cooling Rate	25℃/min
Number of Samples	2
Display	4 Digit with 8 Segments
Heating Power Consumption	75W
Capillary Tube included	100pcs / Vial, Glass OD2.5×L80mm, One End Closed
Dimensions(w×d×h) & Net Weight	160×220×h170mm, 1.8kg
Electrical Reqts.	1 Phase, AC 230V, 50 / 60Hz
Cat. No.	**FC.621.0000.23**
Price, Each. ₩	1,651,490

Optional Printer & Printer Paper

∗ Printing Speed : 75mm/s
∗ Paper & Printing Width : 57.5mm (+/− 0.5) & 48mm
∗ Paper Type : Thermal Paper
∗ Life Time of the Printer Head : 50,000 minutes
∗ Power : Input 100V – 240V AC ; Output 12V, 2A
∗ Component of Set : Serial Cable, Power Adapter

		Ea.	Price, ₩
FC.621.0000.25	Printer for Melting Point, 135×215×h113mm, 1kg		823,690
FC.00001	Printer Paper, Thermal Paper, w57.5mm		17,170



"witeg" Melting Point Capillary Tube, Glass, OD 2.5×L80mm(id approx 2.1)

Use a Powdered Sample, 2-Type of (1) Both Ends Open & (2) One End Closed, **융점 측정 모세관**

- ***Supplied by "witeg" in Germany***

∗ Excellent for Melting Point Determinations.
∗ Length 80mm×Outside diameter 2.5 mm, Packed 100 pcs.
∗ Use a Powdered Sample
∗ Automatic or Manual Measurement
∗ 100 pcs/vial pack

〈L1〉

		Pk.	Price, ₩
WI.2700000	(1) Melting Point Tube, od 2.5×L80 mm, Both Ends Open	100ea	22,250
WI.2702000	(2) , One End Closed	100ea	31,270

Microscopes & Accessories

Microscopes ..... P. 501~510
- Compound ..... P. 501~503
- Fluorescence ..... P. 504
- Inverted Biological ..... P. 505
- Metallurgical ..... P. 506
- Microscope Camera Kit ..... P. 510
- Stereo-Micro ..... P. 507
- -Zoom *New* ..... P. 508~510

Accessories ..... P. 510~516
- Cover Glass & Slides ..... P. 512~516
- Marker Pens ..... P. 516
- Microtomes *New* ..... P. 511



Microscopes Camera Kit



Cover Glass & Slides

Articles	Cat. No	Description

Kern® Basic Compound Microscope "OBS-1", Monocular & Binocular, with 0.5W LED illumination, 40× ~ 400×
With 360° Rotatable Tube, Diopter Adjustment, Finite Optical System, Rechargeable batteries, **기본 생물 현미경**

■ ***Supplied by Kern® in Germany***



KE.OBS.105

KE.OBS.106

EDUCATIONAL LINE

For the First Steps in Microscopy and For use in Biology Lessons

Features

- The KERN OBS Range is a Solid and Simple School Microscope Range, which is Easy to Use due to its Intuitive Control Elements
- The Continuously Dimmable 0.5W LED Guarantees Optimum illumination of the Samples and also Ensures Long Service Life. Mobile Use is also no Problem through the Use of Rechargeable Batteries
- The OBS 106 Models have a 1.25 Abbe Condenser which is Height-Adjustable and can therefore be Focused and has an Aperture Diaphragm, which Ensures the very best Concentration of Light
- To Focus the Object, all Models have a Coarse and Fine Focusing Knob on both Sides. The Mechanical Stage Enables you to Work with the Samples and Move them Rapidly (only for OBS 106)

Technical Data & Applications

- Translucent, Thin, High-Contrast, Less Complex Samples
- Finite Optical System (DIN)
- Triple (OBS 102) or Quadplex (OBS 105, 106) Nosepiece
- Tube 45° (OBS 102, 105) or 30° (OBS 106) Inclined / 360° Rotatable
- Fixed Stage : W110×D120mm
- Mechanical Stage
  - Stage Size : 115×125mm
  - Travel : 75×18mm
- Diopter Adjustment
  - Both-sided (for Binocular Models)
- illumination : 0,5W LED (Transmitted) (Battery incl., Rechargeable)
- Overall Dimensions : 130×300×h310 mm
- Net Weight approx. : 3 kg

STANDARD



〈L1〉

Cat. No.	Tube	Eyepiece	Objectives	Stage	Price (₩)
KE.OBS.102	Monocular	WF 10×/Φ18mm	4×/ 10×/ 40×	Fix	434,550
KE.OBS.105	Monocular			Mechanical	548,350
KE.OBS.106	Binocular			Mechanical	724,240

Kern® All Round Compound Microscope "OBE-13", Monocular & Binocular, with 3W LED illumination, 40× ~ 1000×
With Butterfly Tube, 1.25 Abbe Condenser, Fully-equipped Mechanical Stage, **다용도 생물 현미경**

■ ***Supplied by Kern® in Germany***



EDUACTION LINE

The New All Round Compound Microscope for School, Training and Laboratories

Features

- The Brand New OBE-13 Range Stands out through its Exclusive, Dynamic Device, which is Second to None in Terms of Sturdy Construction and Ergonomics. The Clever Storage Compartment on the Back will Enables Quick Practical Storage for your Power cable. Thanks to the USB Connection Technology, it is also Possible to Supply Power using an External Powerbank
- The Impressive, Infinitely Dimmable 3W LED Guarantees Bright illumination of your sample
- A Further Highlight is the Butterfly Tube which is Integrated as Standard and which Enables you to Achieve the Ideal Viewing Angle. The Height-Adjustable and Thereby Focusable 1.25 Abbe Condenser with Aperture Diaphragm is a Further Quality Feature of the OBE Range and Guarantees the Very Best Concentration of Light
- Height Adjustment of the Fully-Equipped Mechanical Stage is Carried out Using a Coarse and Fine Focusing Knob on both Sides. The Ergonomically Designed Coaxial Drive Enables you to Work with the Samples and Move them Rapidly

Technical Data

- Training, Haematology, Sediment Investigation, Doctor's Practice
- Translucent, Thin, High-Contrast, Less Complex Samples (e.g. Plant Tissue, Coloured Cells/Parasites)
- Finite Optical System
- Quadplex Nosepiece (for 4×/ 10×/ 40×/ 100×Objectives)
- Butterfly 30°Inclined
- Diopter Adjustment - One-Sided (for Binocular and Trinocular models)
- Overall Dimensions : 360×150×h320 mm
- Net Weight approx. : 4.6 kg

OPTION



STANDARD



〈L1〉

Cat. No.	Tube	Eyepiece	Objectives	illumination	Price (₩)
KE.OBE.131	Monocular	HWF 10×/Φ18mm	4×/ 10×/ 40×/ 100×	3W LED (transmitted)	1,148,670
KE.OBE.132	Binocular				1,361,370

Optional Accessories

		Ea. Price,₩
KE.OBB.A1349	Eyepiece, HWF 10× / Φ18mm, Reticle 0.1mm	138,290
KE.OBB.A1148	Darkfield Unit, for 4× ~ 40× Objectives	202,100

Articles	Cat. No	Description

Kern® High Performance Compound Microscope "OBL-1", Pre-centered, Koehler illumination, 40× ~ 1000×

With 3W LED illumination, Butterfly Tube, 1.25 Abbe Condenser, Fully-Equipped Mechanical Stage, **고성능 연구용 생물 현미경**

■ ***Supplied by Kern® in Germany***







Objectives OBL



Simple Polarizing Attachment



Darkfield Unit

LAB LINE

The High Performance Compound Microscope for Every Laboratory, Hospitals and Doctor's Practice with Fixed, Pre-centered Koehler illumination

Features

- The KERN OBL-1 Models are Excellent, Stable Laboratory Microscopes for all Common Routine Applications
- Depending on the Application, there is a Choice of Models with Strong, Continuously Dimmable 3W LED.
- The Fixed, Pre-centred and Focusable 1,25 Abbe Condenser with Aperture Diaphragm and Field Diaphragm Gives you a Simplified Koehler illumination, without Having to Move the Centre
- The Large Mechanical Stage and its Specimen Holder Holds up to Two Samples at the Same Time , which can be Focused Quickly and Easily by a Coaxial Coarse and Fine Drive on both Sides
- A Large Selection of Eyepieces, Objectives and Color Filters as well as a Darkfield Condenser, a Simple Polarising Unit, Different Phase Contrast Kits through to HBO and LED Fluorescence Units are Available to you as Accessories
- A Protective Dust Cover, Eye Cups, as well as Multi-lingual user Instructions are Included in the Scope of Delivery
- A C-mount Adapter is Required to Connect a Camera to the Trinocular Version.

Technical Data & Applications

- Haematology, Urology, Gynaecology, Dermatology, Pathology, Microbiology and Parasitology, Immunology, Oncology, Entomology, Vets, Water Analysis, Breweries, Sewage Plants
- Translucent, Thin, Low-contrast, Challenging Samples (e.g. Living Mammal Cells, Bacteria, Tissues)
- Infinity Optical System (OBL)
- Quadplex Nosepiece (for 4×/ 10×/ 40×/ 100× Objectives)
- Siedentopf 30° Inclined / 360° Rotatable
- Diopter Adjustment : One-sided
- Overall Dimensions : 395×200×h380 mm
- Net Weight approx. : 6.7 kg

STANDARD



OBL

OPTION



〈L1〉

Cat. No.	Tube	Eyepiece	Objectives Quality	Objectives	Price (₩)
KE.OBL.127	Binocular	WF 10×/Φ20mm	Infinity E-Plan	4×/ 10×/ 40×/ 100×	2,193,390
KE.OBL.137	Trinocular				2,483,080

Optional Accessories

		Ea. Price,₩
KE.OBB.A1448	Eyepiece, HWF 10× / Φ20mm, with Pointer ***New***	191,450
HH.1133853	Immersion Oil, 100㎖	41,280

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description

Kern® Professional Compound Microscope "OBN", Professional Koehler illumination Unit, 5 Objectives, 40× ~ 1000×
With 3W LED illumination, Extremely Large Mechanical Stage, Modular System, **프로페셔널 다기능 생물 현미경**

■ ***Supplied by Kern® in Germany***





Quintuple PH Universal Rotary Condenser with
10×/ 20×/ 40×/ 100×



Phase Contrast Rotary Condenser

PROFESSIONAL LINE

Professionalism and Versatility United in One Microscope – with Koehler illumination for Demanding Applications

Features

- The OBN Series Stands out because of its Unbeatable and Consistently High Quality and its Ergonomic Design. The Range of Modular Components Means that the OBN Series can be Individually Customized for the Professional User
- Depending on the Application, there is a Choice of Models with Strong, Continuously Dimmable 3W LED
- This Series has a Professional Koehler illumination Unit with an Adjustable Field Diaphragm as well as a Height-Adjustable 1,25 Abbe Condenser which can be Centred and which has an Adjustable Aperture Diaphragm
- The Extremely Large Mechanical Stage with Ergonomic, Coaxial Coarse and Fine Focusing Knob on both Sides Enables you to Adjust and Focus your Sample Rapidly and Accurately
- A Wide Variety of Modular Systems, such as, for example, a Wing-out Condenser, Various Eyepieces, Objectives, Color Filters, Phase Contrast Units, a Darkfield Condenser, a Simple Polarizing Unit, Butterfly Tube, through to Complete Fluorescence Units are Available to you as Accessories
- This centring eyepiece for adjusting the phase contrast (OBN 158), a protective dust cover, eye cups as well as Multi-lingual User Instructions are Included in the Scope of Delivery
- A C-mount Adapter is Required to Connect a Camera. You can Select this Adapter from the Following Model Outfit List

Technical Data & Applications

- Haematology, Urology, Gynaecology, Dermatology, Pathology, Microbiology and Parasitology, Immunology, Sewage Treatment Plants, Oncology, Entomology, Vets, Water Analysis and Breweries
- Translucent, Thin, Low-contrast, Challenging Samples (e.g. Living Mammal Cells, Bacteria, Tissue)
- Infinity Optical System
- Quintuple Nosepiece (for 4×/ 10×/ 20×/ 40×/ 100× Objectives)
- Siedentopf 30° Inclined / 360° Rotatable
- Diopter Adjustment: Both-sided
- Overall Dimensions : 390×200×h400 mm
- Net Weight approx. : 9 kg

STANDARD



OPTION



〈L1〉

Cat. No.	Tube	Eyepiece	Objectives Quality	Objectives	Price (₩)
KE.OBN.135	Trinocular	HWF 10×/Φ20mm	Infinity Plan	4×/ 10×/ 20×/ 40×/ 100×	3,497,000

Optional Accessories

		Ea. Price,₩
KE.OBB.A1237	Phase Contrast Unit with 10× / 20× / 40× / 100× Infinity-PH-Plan Objectives Set, Included PH Rotary Condenser	3,703,930

Articles	Cat. No	Description

Kern® High Quality Fluorescence Microscope "OBN-14", Fluorescence Refracted Light Unit with Power Supply, 40× ~ 1000× With 20W Halogen illumination Unit and 100W EPI Fluorescence Incident illumination Unit, 고성능 형광 현미경

■ ***Supplied by Kern® in Germany***





illumination Unit



Sextuple Filter Wheel OBN 148

PROFESSIONAL LINE

The Fluorescence Microscope for the Professional User

Features

- The Fluorescence Microscope in the OBN-14 Series is Based on the Usual High Quality and Versatility of the OBN Series. the outstanding, Stable Design in Combination with High-quality Optics Set the Standard in Fluorescence Microscopy in this Class
- The Powerful, Dimmable 20W Halogen illumination Unit (Philips) and a 100W Epi Fluorescence Incident illumination Unit on the OBN 148 Models Ensure Perfect illumination and Stimulation of your Fluorescence Samples
- This Series has a Professional Koehler illumination Unit with an Adjustable Field Diaphragm as Well as a Height-Adjustable 1.25 Abbe Condenser which can be Centered and which has an Adjustable Aperture Diaphragm
- The Extremely Large Mechanical Stage with Ergonomic, Coaxial Coarse and Fine Focusing Knob on Both Sides Enables you to Adjust and Focus your Sample Rapidly and Accurately
- With the OBN 148 Halogen Variant you have a Filter Wheel which has Up to 6 Fittings. as Standard this is Fitted with a B/G/UV/V Fluorescence Filter. the Changeover Slider and the Filter Wheel Mean that you can Change the Stimulation Filter Quickly
- A Large Selection of Eyepieces, Objectives, Color Filters, Darkfield Condensers as Well as a Butterfly Tube, Polarizing and Phase Contrast Units can Easily be Integrated Thanks to the Modular Construction System
- The Centering Objective for Adjusting the Fluorescence, a Protective Dust Cover, Eye Cups as Well as Multi-lingual User Instructions are Included in the Scope of Delivery

Technical Data & Applications

- Haematology, Urology, Gynaecology, Dermatology, Pathology, Microbiology and Parasitology, Immunology, Sewage Treatment Plants, oncology, Entomology, Vets, Water analysis and Breweries
- Specially for Translucent, Thin, Low-contrast, Challenging Samples (e.g. Immunofluorescence, FISH, DAPI Staining, etc.)
- Infinity Optical System
- Quintuple Nosepiece
- Siedentopf 30° Inclined / 360° Rotatable
- Diopter Adjustment : Both-sided
- Overall Dimensions 530×220×h490 mm
- Net Weight Approx. 23 kg

STANDARD

360° | TRINO | ABBE | HAL | FL-HBO | FL-LED | INFINITY | 230 V

OPTION

PH | DF | POLAR | SCALE

〈L1〉

Cat. No.	Tube	Eyepiece	Objectives Quality	Objectives	Price (₩)
KE.OBN.148	Trinocular	HWF 10×/Φ20mm	Infinity Plan	4×/ 10×/ 20×/ 40×/ 100×	13,553,420

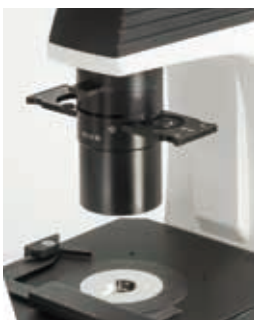
※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description

Kern® Inverted Biological Laboratory Microscope "OCM", for Cell/Tissue Culture, Large Working Distance of 72mm, 100× ~ 400× / 200× PH With 30W Halogen illumination Unit and 100W EPI Fluorescence illumination Unit, 도립 생물 현미경

■ ***Supplied by Kern® in Germany***





N.A. 0,3 Abbe Condenser with Phase Contrast Slide



Coaxial Control Knobs for x/y can be Fitted Either Left or Right

PROFESSIONAL LINE

The Inverted Biological Laboratory Microscope – also with Fluorescence

Features

- The OCM Range Stands out Through its Design which is Ergonomic, Robust and Extremely Stable. this Design, with its Large Working Distance, is Particularly Suitable for the Monitoring and analysis of Cell Cultures, for Example.
- A Strong and Continuously Adjustable 30W Halogen illumination Unit Ensures the Optimum illumination in the Bright Field of your Samples. an Additional Osram 100 W Epi Fluorescence illumination Unit is Available to you as a Fluorescence Microscope (OCM 165) for Perfect illumination and Excitation of your Fluorescence Samples
- A Special Abbe N.A. 0.3 Condenser with Aperture Diaphragm and Large Working Distance of 72 mm Guarantees the Very Best Working Practise in the Bright Field and with Fluorescence Applications
- As Standard, the OCM Range is Fitted with a Trinocular Eyepiece Tube
- The Mechanical Stage Including Specimen Holder (Φ 118 mm) Means that you can Work Quickly and Effectively. Further Brackets for Petri Dishes are Included with Delivery or Available as Accessories
- Further Options such as, for Example, a Selection of Eyepieces, Objectives, Specimen Holders and Other Phase Contrast Units can be Integrated as Accessories
- A Dust Cover as Well as User Instructions are Included with the Delivery

Technical Data & Applications

- Research and Breeding of Cell Cultures and Tissue Cultures
- Particularly for Viewing Samples in Culture Vessels (Flasks, Petri Dishes, Microtitre Plates), Translucent, Thin, Low-contrast, Challenging Samples (e.g. Living Mammal Cells, Tissue, Microorganisms If Necessary, Immunofluorescence, FISH, DAPI Staining Etc.)
- Infinity Optical System
- Quintuple Nosepiece
- Siedentopf 45° Inclined
- Diopter Adjustment : Both-sided
- Overall Dimensions 304×599×h530mm (OCM 161), 304×782×h530mm(OCM 165)
- Net Weight Approx. 13.5 kg(OCM 161), Approx. 21 kg(OCM 165)

STANDARD



〈L1〉

Cat. No.	Tube	Eyepiece	Objectives	illumination	Price (₩)
KE.OCM.161	Trinocular	HWF 10×/Φ22mm	LWD10×/LWD20×/ LWD40×/LWD20×PH	30W Halogen (transmitted)	7,842,370
KE.OCM.165				30W Halogen, 100W Epi Fluorescence (B/G)	18,995,480

Kern® Fully-equipped Metallurgical Microscopes "OKO", for Testing Metals and Analyzing Surface, 50× ~ 500×

With Refrected and Tranmitted LED illumination, Height-adjustable 1.25 Abbe Condenser, **고성능 금속 현미경**

■ ***Supplied by Kern® in Germany***





Stage OKO



illumination Unit

PROFESSIONAL LINE MET

The Fully-equipped Refracted and Transmitted Light Microscope for Numerous Applications in Metallurgy

Features

- This Device is a Professional, Versatile, Metallurgical Microscope, which is Used in Testing Metals and Analysing Surfaces
- The KERN OKO 178 is a Combi Variant of LED Incident illumination and LED Transmitted illumination. A Height-adjustable 1.25 Abbe Condenser which can be Centred as Well as a Field Diaphragm for Complete Professional Köhler illumination are Part of the Standard Version.
- An Open, Mechanical Angle Table is Integrated as Standard
- A Simple Polarising Unit (analyser and Polariser) is Included with Delivery
- A Large Selection of Accessories, such as, for Example, Eyepieces and Further Objectives are Available for Longer Working Distances
- A Protective Dust Cover, Eye Cups, as Well as Multi-lingual User Instructions are Included in the Scope of Delivery
- A C-Mount Adapter is Required to Connect a Camera. You can Select this Adapter from the Following Model Outfit List
- Please Find Detailed Information in the Following Model Outfit List

Technical Data & Applications

Technical

- Infinity Optical System
- Quintuple Nosepiece
- Siedentopf 30° Inclined/360° Rotatable
- Diopter Adjustment : Both-sided
- Overall Dimensions 550×200×h460 mm
- Net Weight Basic Configuration Approx. 14.5 kg

Scope of Application

- Metallurgy, Material Testing, Quality Assurance

Applications/Samples

- Opaque and Thick Samples, Workpieces (Surfaces, Fold Lines, Coatings)

STANDARD



〈L1〉

Cat. No.	Tube	Eyepiece	Objectives Quality	Objectives	illumination	Price (₩)
KE.OKO.178	Trinocular	HWF 10×/Φ22mm	Infinity Plan	5×/ 10×/ 20×/ 50×	5W LED (Incident + Transmitted)	6,931,920

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description

Kern® Mobile Stereomicroscope "OSE-42", Rechargeable Battery, 20×, 40×

Integrated Handle with Stable Arm Curved Stand, 1 W LED illumination, Frosted Glass/Black-White Stage Plate, **기본 실체 현미경**

■ ***Supplied by Kern® in Germany***



EDUCATIONAL LINE

Stereo Microscope with Robust, Ergonomic Design, Ideal for Workshops, Schools and Training

Features

- With its Integrated Handle as Well as its Stable Arm Curved Stand, the KERN OSE-42 has been Specially Developed for Schools and Workshops
- The Incident and Transmitted illumination Unit Included as Standard can be Optionally Enabled for the Very best illumination of your Sample. Mobile Use of the OSE 422 is also No Problem Through the Use of Rechargeable Batteries
- A Turnable Objective with Predefined Magnifications is Available to Make your Working Procedures Quicker and More Efficient
- The Eyepieces are Fixed in the Eyepiece Tube, to Stop them Getting Damaged or Lost
- A Special Feature of this Adaptable and Yet Robust Microscope Series is the Stable Mechanism of the Microscope Stand which can be Adjusted Precisely. it Will also Impress you with its Functionality and Ergonomic Design

Technical Data & Applications

- Training, in Vitro Fertilisation, Detection of Parasites, Zoology and Botany, Tissue Preparation, Section, Quality Control
- Samples with Focus on Three-dimensional Impression(depth, Thickness), e.g. Insects, Seeds, Circuit Boards, Components
- Brightness Adjustable
- Tube 45° Inclined
- Interpupillary Distance 55 - 75 mm
- Working Distance 57mm
- Field of View Φ10 mm(2×), Φ5 mm(4×)
- Stage Plate : Frosted Glass / Φ59.5 mm, Black-White / Φ59.5 mm
- Diopter Adjustment : Both-sided
- Overall Dimensions 200×180×h300 mm
- Net Weight Approx. 2 kg

STANDARD



〈L1〉

Cat. No.	Tube	Eyepiece	Objectives	Stand	illumination	Price (₩)
KE.OSE.421	Binocular	WF 10×/Φ20mm	2×/4×	Arm Curved	1W LED (Incident/Transmitted) (Rechargeable Batteries Included)	641,480

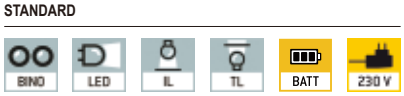
Kern® Practical & Robust Stereomicroscope "OSF", Ergonomic Working Surface, 10×, 20×, 40×

Integrated Handle with Stable Arm Curved Stand, Ergonomic and Stable Mechanism, 0.35 W/1 W LED illumination, **실용 실체 현미경**

■ ***Supplied by Kern® in Germany***



STANDARD



EDUCATIONAL LINE

The Practical and Robust Product for Schools, Training Centers, the Workshop and Laboratory

Features

- With its Integrated Handle as Well as its Stable Arm Curved Stand, the KERN OSF-4G has been Specially Developed for Schools and Workshops
- The LED Reflected and Transmitted illumination Included as Standard Guarantees the Very Best, Continuously Dimmable illumination of your Sample
- As Well as Very Good Optical Characteristics, its Ergonomic Working Surface Means that it Offers the Highest Level of Convenience in this Class
- A Turnable Objective with Three Predefined Magnifications is Available to Make your Working Procedures Quicker and More Effective
- The Eyepieces are Fixed in the Eyepiece Tube, to Stop them Getting Damaged or Lost
- The Ergonomic Shape and the Stable Mechanism which can be Adjusted Extremely Accurately Offer a High Level of Functionality and Enable you to Work Quickly and Efficiently with Very Little Effort
- A Protective Dust Cover, Eye Cups, as Well as Multi-lingual User Instructions are Included in the Scope of Delivery

Technical Data & Applications

- Training, in Vitro Fertilisation, Detection of Parasites, Zoology and Botany, Tissue Preparation, Section, Quality Control
- Samples with Focus on Three-dimensional Impression(depth, Thickness), e.g. Insects, Seeds, Circuit Boards, Components
- Brightness Adjustable
- Tube 45° Inclined
- Interpupillary Distance 55 - 75 mm
- Working Distance 57mm
- Field of View Φ20 mm(1×), Φ10 mm(2×), Φ5 mm(4×)
- Stage Plate : Frosted Glass / Φ59.5 mm, Black-White / Φ59.5 mm
- Diopter Adjustment : one-sided
- Overall Dimensions 230×180×h275 mm
- Net Weight Approx. 2.5 kg

〈L1〉

Cat. No.	Tube	Eyepiece	Objectives	Stand	illumination	Price (₩)
KE.OSF.439	Binocular	WF 10×/Φ20mm	1×/2×/4×	Arm Curved	1W (Incident)/0.35W Transmitted) LED	848,400

Articles	Cat. No	Description

Kern® All-rounder Stereo Zoom Microscope "OZL-46", 3W LED Transmitted/Reflected illumination, 7×～45×

With Standard Stand, Binocular & Trinocular, Pillar Style Stand, Frosted Glass/Black-White Stage Plate, **만능 실체 줌 현미경**

■ ***Supplied by Kern® in Germany***



LAB LINE

The Flexible, Affordable All-rounder with Zoom Function for Schools, Training Companies, Inspection Authorities and Laboratories

Features

- The Products in the KERN OZL-46 Series are Stereo Zoom Microscopes, which will Impress you with their Quality, Easy Handling, Flexibility as Well as their Stability and Economical Price
- The LED Reflected and Transmitted illumination Included as Standard Guarantees the Very Best illumination of your Sample
- As Well as Excellent Optical Characteristics and their Large Working Surface, these Models offer the Highest Level of Comfort in this Class–ideal for Training Companies, Workshops as Well as Assembly and Repair Workstations, e.g. in the Electronics industry
- The Zoom Objective offers you Continuous Magnification From 7×–45×
- The KERN OZL-46 Series is Available as a Binocular or Trinocular Version
- A Protective Dust Cover, Eye Cups, as Well as Multi lingual User instructions are included in the Scope of Delivery
- A C-mount Adapter is Required to Connect a Camera to the Trinocular Version.

Technical Data & Applications

- In Vitro Fertilization, Detection of Parasites, Zoology and Botany, Tissue Preparation, Section, Quality Control
- Samples with Focus on Three-dimensional Impression, Zoom with Variable Magnification (Depth, Thickness), e.g. Insects, Seeds, Circuit Boards, Components
- Brightness Adjustable (Separate)
- Tube 45° inclined / • Magnification Ratio : 6.4:1
- Light Distribution 50 : 50
- Interpupillary Distance 55 - 75 mm
- Working Distance 105mm
- Maximum Sample Height 140mm
- Stage Plate : Frosted Glass / Φ95 mm, Black-White / Φ95 mm
- Diopter Adjustment : Both-sided
- Overall Dimensions 300×240×h420 mm
- Net Weight Approx. 4 kg

STANDARD

360° BINO TRINO LED IL TL ZOOM 230 V

〈L1〉

Cat. No.	Tube	Eyepiece	Field of View	Objective Zoom	Stand	illumination	Price (₩)
KE.OZL.463	Binocular	HWF 10×Φ20mm	Φ28.6 - 4.4	0.7×－4.5×	Pillar style	3W LED (incident/Transmitted)	1,241,550
KE.OZL.464	Trinocular	HWF 10×Φ20mm	Φ28.6 - 4.4	0.7×－4.5×	Pillar style	3W LED (incident/Transmitted)	1,386,400

Kern® Practical & Flexible Stereo Zoom Microscope "OZL-456", Integrated LED Ring illumination, 7.5×～50×

With Arm Curved Stand, Working Distance 113mm, Frosted Glass/Black-White Stage Plate, **연구용 실체 줌 현미경**

■ ***Supplied by Kern® in Germany***



LAB LINE

The Practical and Flexible Stereo Zoom Microscope with Integrated LED Ring illumination and Large Zoom Range

Features

- The KERN OZL-456 Stereo Zoom Microscope Series will Impress you with its Excellent Optical Characteristics, Easy Operation and its integrated LED Ring illumination Unit
- The Highlight of the KERN OZL-456 is the Strong, Continuously Dimmable, Integrated LED Ring illumination in the Objective Housing, which Ensures Uniform, Shadow-free illumination. An LED Transmitted Light Variant is Also Included
- With its Built-in, Top-quality Optics and Powerful, integrated LED illumination Unit, this Model is a Special All-rounder for All Areas of Application
- The Zoom Objective offers you Continuous Magnification From 7,5×－50×
- As Standard, the KERN OZL-456 is Provided as a Binocular Version with 10× Eyepieces with a Field of View with a Diameter of 23 mm
- The Arm Curved Stand Gives you a Large Working Area as Well as a Precise Adjustment Mechanism

Technical Data & Applications

- In Vitro Fertilisation, Detection of Parasites, Zoology and Botany, Tissue Preparation, Section, Quality Control
- Samples with Focus on Three-dimensional Impression, Zoom with Variable Magnification (Depth, Thickness), e.g. Insects, Seeds, Circuit Boards, Components
- Incident illumination Dimmable
- Tube 45° Inclined
- Magnification Ratio: 6.7 : 1
- Interpupillary Distance 55 - 75 mm
- Working Distance 113mm
- Maximum Sample Height 45mm
- Stage Plate : Frosted Glass / Φ95 mm, Black-White / Φ95 mm
- LED illumination 0.21W (Transmitted), 1W(Incident)
- Diopter Adjustment : Both-sided
- Overall Dimensions 320×275×h420 mm
- Net Weight Approx. 4.5 kg

STANDARD

360° BINO LED IL TL ZOOM 230 V

〈L1〉

Cat. No.	Tube	Eyepiece	Field of View	Objective Zoom	Stand	illumination	Price (₩)
KE.OZL.456	Binocular	HWF10×/Φ23mm	Φ33~5	0.75× ~ 5×	Arm Curved	1W LED (incident) / 0.21W LED (transmitted)	1,800,240

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Kern® Excellent Stereo Zoom Microscope "OZM", First-class Optic & Strong illumination, 7× ~ 45×

With Dimmable 3 W LED Reflected and Transmitted illumination, Frosted Glass/Black-White Stage Plate, **고성능 연구용 실체 줌 현미경**

■ ***Supplied by Kern® in Germany***



LAB LINE

First-class Optics and Strong illumination Combined with a High Level of Flexibility

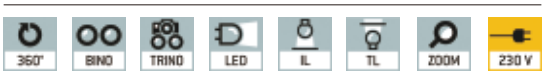
Features

- The KERN OZM Series is a Range of Excellent Stereo Zoom Microscopes with Above-average Optical Features
- The Ergonomic Shape Allows a Simple, Effortless Working Over a Period of Several Hours
- The Extraordinarily Strong and Continuously Dimmable 3 W LED Reflected and Transmitted illumination Ensures a Flexible and Particularly Good Level of illumination for your Sample
- With its Large Working Distance, an Extra Large Field of View and its Brilliant Resolution, the KERN OZM Provides Sharp, High-contrast, Color-true Images
- The Zoom Objective Gives you Continuous Magnification From 7,5×–45×
- The Pillar Stand is Particularly Flexible due to its Variable and Sturdy Adjustment Mechanism and therefore Enables Ergonomic Working Procedures

Technical Data & Applications

- In Vitro Fertilization, Detection of Parasites, Zoology and Botany, Tissue Preparation, Section, Quality Control, Electronics and Semiconductor industry, Assembly and Repair
- Samples with Focus on Three-dimensional Impression, Zoom with Variable Magnification(Depth, Thickness), e.g. Insects, Seeds, Circuit Boards, Components
- Brightness Adjustable (Separate)
- Tube 45° Inclined / • Magnification Ratio : 6.4 : 1
- Light Distribution OZM 543 / 544 : 50 : 50
- Interpupillary Distance 52 - 76 mm
- Working Distance 110mm
- Maximum Sample Height 130mm
- Stage Plate : Frosted Glass / Φ94.5 mm, Black-White / Φ94.5 mm
- LED illumination 3W (Transmitted), 3W(Incident)
- Diopter Adjustment : Both-sided
- Overall Dimensions 330×285×h440 mm
- Net Weight Approx. 4.5 kg

STANDARD



〈L1〉

Cat. No.	Tube	Eyepiece	Field of View	Objective Zoom	Stand	illumination	Price (₩)
KE.OZM.542	Binocular	HSWF10×/Φ23mm	Φ32.8~5.1	0.7× ~ 4.5×	Pillar Style	3W LED (incident/transmitted)	2,876,240

Kern® High-performance Stereo Zoom Microscope "OZP", Large Magnification Range, 6× ~ 55×

With Adjustable 3 W LED Reflected and Transmitted illumination, Binocular/Trinocular, **고배율 연구용 실체 줌 현미경**

■ ***Supplied by Kern® in Germany***



LAB LINE

Professional and Powerful – Thanks to its Extremely Large Magnification Range, Strong illumination and First-class Optics

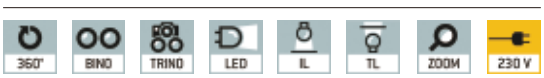
Features

- The KERN OZP Stereo Zoom Microscope Stands out Through its Above-average Magnification Range and its Robust Shape which is Also Ergonomic, it Enables Effortless, Simple Working Over a Period of Several Hours
- The KERN OZP Series is Available as a Strong, Continuously Adjustable 3 W LED Reflected and Transmitted Light Variant for the Very Best illumination of your Sample or as a Variant without illumination
- With its Large Working Distance, an Extra Large Field of View and Brilliant Resolution, the KERN OZP Provides Sharp, High-contrast and Color-true Images
- There is a Choice of a Binocular Model as Well as a Trinocular Model for Connecting a Camera for Documentation Purposes and for Quality Reports
- The Pillar Stand is Particularly Flexible due to its Variable and Sturdy Adjustment Mechanism and therefore Enables Ergonomic Working Procedures
- A C-mount Adapter is Required to Connect a Camera to the Trinocular Version.

Technical Data & Applications

- Zoology and Botany, Quality Control, Electronics and Semiconductor industry, Assembly and Repair
- Samples with Focus on Three-dimensional Impression, Zoom with Variable Magnification(Depth, Thickness), e.g. Insects, Seeds, Circuit Boards, Components
- Optical System: Greenough Optics
- Brightness Adjustable (Separate)
- Tube: 35° Inclined / • Magnification Ratio : 9.2 : 1
- Light Distribution OZP 557 / 558 : 50 : 50
- Interpupillary Distance 52 - 76 mm
- Working Distance 108mm
- Maximum Sample Height 110mm
- Stage Plate : Frosted Glass / Φ94.5 mm, Black-White / Φ94.5 mm
- LED illumination 3W (Transmitted), 3W(Incident)
- Diopter Adjustment : Both-sided
- Overall Dimensions 330×285×h470 mm
- Net Weight Approx. 4.5 kg

STANDARD



〈L1〉

Cat. No.	Tube	Eyepiece	Field of View	Objective Zoom	Stand	illumination	Price (₩)
KE.OZP.556	Binocular	HSWF10×/Φ23mm	Φ38.3~4.2	0.6× ~ 5.5 ×	Pillar Style	3W LED (incident/Transmitted)	3,165,930
KE.OZP.558	Trinocular	HSWF10×/Φ23mm	Φ38.3~4.2	0.6× ~ 5.5×	Pillar Style	3W LED (incident/Transmitted)	3,890,150

Articles	Cat. No	Description

Kern® Professional Trinocular Stereo Zoom Microscope "OZS", with Parallel Optics System, 8× ~ 80×
With Pillar Style Stand, 3 W LED Reflected and Transmitted illumination, 전문가용 실체 줌 현미경

■ ***Supplied by Kern® in Germany***



PROFESSIONAL LINE

Professional Stereo Zoom Microscope with Parallel Optics for Excellent Images, Depth of Field, Contrast and Fatigue-free Working

Features

- The KERN OZS Series are a Special, High-quality Stereo Zoom Microscope with Parallel Optics and an Above-average Zoom Demanding Analyses
- The Parallel Optical System is a High-quality Optical System and Provides Excellent Images with the Best Contrast, Colour and Depth of Field with Fatigue-free Working
- The Exceptionally Large, Adjustable Magnification Range From 8 to 80 Times Magnification gives you Continuous Zoom for the Views You Need
- As Standard, the Models of the KERN OZS Series are Trinocular and are therefore Equipped for Connecting a Camera for Documentation Purposes and for Quality Reports
- These Models are Particularly Flexible Due to the Modular Construction, the Pillar Stand as well as the Powerful, Longlife LED Reflected and Transmitted Illumination which can be Integrated as an Option
- A C-mount Adapter is Required to Connect a Camera

Technical Data & Applications

- In Vitro Fertilization, Detection of Parasites, Zoology and Botany, Tissue Preparation, Section, Quality Control, Electronics and Semiconductor Industry, Assembly and Repair
- Samples with Focus on Three-dimensional Impression, Zoom with Variable Magnification(Depth, Thickness), e.g. Insects, Seeds, Circuit Boards, Components
- Optical System : Parallel Optics
- Brightness Adjustable (separate)
- Tube 45°Inclined / ・Magnification Ratio : 10 : 1
- Light Distribution 50 : 50
- Interpupillary Distance 52 - 76 mm
- Working Distance 91mm
- Maximum Sample Height 100mm
- Stage Plate : Frosted Glass / Φ94.5 mm
- Stage Plate : Black-White / Φ94.5 mm
- LED illumination 3W (Transmitted), 3W(Incident)
- Diopter Adjustment : Both-sided
- Overall Dimensions 305×300×h540 mm
- Net Weight Approx. 5.5 kg

STANDARD



〈L1〉

Cat. No.	Tube	Eyepiece	Field of View	Objective Zoom	Stand	illumination	Price (₩)
KE.OZS.574	Trinocular	HWF10×/Φ22mm	Φ27.5~4.4	0.8× ~ 8×	Pillar Style	3W LED (incident/Transmitted)	7,531,990

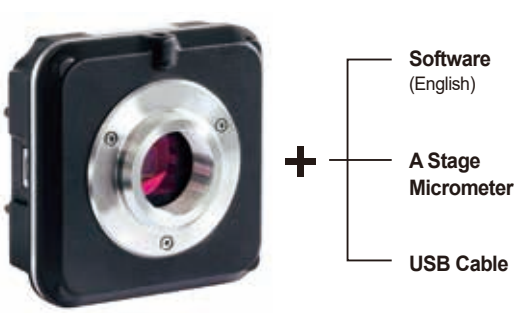
Kern® Microscope Camera Kit "ODC", 3,1 & 5,1 Mega-pixel, CMOS, USB 2.0/3.0 Connection
Including Software・Micrometer・USB Cable for Easy Connection to the Microscope with PC, 80×80×h45mm, 현미경 카메라

■ ***Supplied by Kern® in Germany***
■ ***The Camera, USB Cable, Software CD and a Stage Micrometer for Calibration are Included in the Scope of Delivery.***

Features

- These Microscope Cameras are Universal and can be Easily Connected to the Microscope and a PC / Laptop via USB.
- The Proven CMOS Technology Provides Fast, Clear Images.
- The Attached English-language Software Provides a Good Basis for Observing, Measuring and Documenting Your Work in all Common Microscopy Applications.
- Supported operating systems ; Win XP, Vista, 7, 8, 10, 11, Linux

Specialists in Microscopy
for Measurement, Counting, Documentation, Archiving and Image Processing!



Camera Kit "ODC"



Option;
C-mount Adapter "OBB"

※***Note!***
Camera Has to Use with The C-Mount Adapter

Specifications & Ordering information



〈L1〉

Cat. No.	Units	Resolution	USB	Sensor	FPS	Sensor Size	Colour / Mono	Exposure Time	Price (₩)
KE.ODC.825	Camera	5,1 MP	2.0	CMOS	6.8~53.3	1/2.5"	Colour	[Min] 0.2ms / [Max] 2000ms	893,400
KE.ODC.831 New	〃	3,1 MP	3.0	CMOS	27.3~53.3	1/3"	Colour	[Min] 0.1ms / [Max] 2000ms	1,179,390
KE.ODC.832 New	〃	5,1 MP	3.0	CMOS	14.2~101.2	1/2.5"	Colour		1,220,780

Optionally Necessary Adapter

KE.OBB.A1142	C-Mount Adapter, 1.00×	Necessary Accessories	234,020
KE.OBB.A1515	C-Mount Adapter, 0.50×, Adjustable Focus		425,440

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description

MUTO® Disposable Microtome Blade "Histo Cutter", Stainless-steel, for Soft & Harder Tissue
With Excellent Polishing and Coating, Sharp & Durable, <Japan-Made> 일회용 조직절단용 칼



(1) "LH35" for Hard Specimen



(2) "LS35" for Soft Specimen



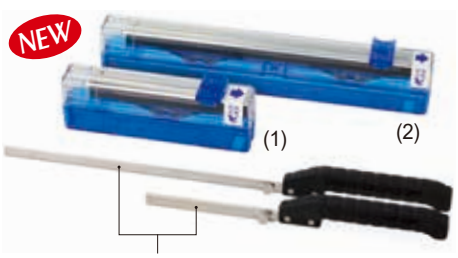
(3) "HS35", Wide Knife

■ ***Tissue Specimen의 원형을 유지하면서 특정 두께로 스크래치 없이 절단***
■ ***Ideal for Sectioning the Specimens at Certain Stable Thickness of Soft & Harder Tissue.***
■ ***Maintain the Original Shape of Tissue Specimen***
* The Paraffin Sections are Maintained almost Same Size of Blocks
* Ideal for the Myoma of the Uterus, the Prostate, the Mammary Gland, the Thyroid Gland, the Bronchial Bones &c.
* Easy Thin Sectioning with a Number of Paraffin Blocks without Scratches on the Specimens
* Average Number of Block per a Blade with 3micron Sectioning
  - 50~60 for Pathological Specimens - 35~40 for Anatomical Specimens

〈M3〉

		Pk.	Price, ₩
DM.His7001	(1) Stainless-steel Microtome Blade "LH35" for Hard Specimen (t) 0.25mm, 8×80mm, Edge Angle 35°	50ea	113,750
DM.His7002	(2) Stainless-steel Microtome Blade "LS35" for Soft Specimen (t) 0.25mm, 8×80mm, Edge Angle 35°	50ea	113,750
DM.His7003	(3) Stainless-steel Microtome Blade "HS35", Wide Knife (t) 0.32mm, 14×80mm, Edge Angle 35°	50ea	113,750

MUTO® Disposable Trimming Knife, Dispenser type with Handle, Stainless-steel Blade
Ideal for Section Semi-fixed Organs & Tissues/Organs with Durability, <Japan-Made> 일회용 조직절단용 트리밍 칼



(3) & (4) Optional Handle

■ ***Semi-fixed Organs, Mammary Gland, Hard Tissues, Hard Tissues with Fibers 등의 섹션에 용이.***
* Easy Setting into Exclusive Handle
* Safety Stopper Prevents Knife to be Dropped from Dispenser
* Safe Disposal of Used Knife ;
  Insert Used Knife into the Container of Dispenser after Washing Attached Blood etc.

〈M3〉

		Pk.	Price, ₩
DM.Tri7001	(1) Stainless-Steel Trimming Knife, in Dispenser, 0.25mm, 18×130mm	50ea	178,750
DM.Tri7002	(2) , 18×260mm	50ea	292,500

Optional Knives

		Ea.	Price, ₩
DM.Han3001	(3) Handle for Trimming Knife, 130mm		97,500
DM.Han3002	(4) , 260mm		97,500



※ Staining Jars
⇒ See the "Staining Jars · Dishes · Trays" Section !

Articles	Cat. No	Description



SciLab® Popular Slide Glass, 76×26mm, Plain- & Frosted-type
With 90° Ground/Cut-edge, Pre-cleaned, Ready for Use, **기본형 슬라이드 글라스**

■ ***Supplied by SciLab Korea*** ■ ***Produced from High Quality Soda-lime Glass***
■ ***Cut Edges : 모서리 연마 처리 안된 것으로 Routine work, 감염 우려 없는 작업에 적합. 경제형***
■ ***Ground Edges 90° : 90°각도로 모서리 연마 된 것으로 안전성 증대*** ■ ***Uniform Thickness : 1.05±0.05mm***
∗ Certified CE ∗ Frosted type : Marking Area on one End.
∗ 50pcs / Box, 2500pcs / Cs (50pcs / Box×50)

〈L1〉

		Pk.	Price,₩	Cs.	Price, ₩
SL.Sli1011	(1) Slide Glass, 90° Ground-edge, Plain	50ea	2,180	50pk	105,050
SL.Sli1012	(2) , 90° Cut-edge , Plain	50ea	1,740	50pk	83,530
SL.Sli1015	(3) , 90° Ground-edge, Frosted-end	50ea	2,400	50pk	115,810



SciLab® Popular Frosted Slide Glass, 76×26mm, with 45° Ground-edge
Made of Super White Glass, 45° **슬라이드 글라스, 마킹용**

■ ***Supplied by SciLab Korea*** ■ ***Ground Edges 45° : 45°각도로 모서리 연마 된 것으로 감염 물질 등의 작업에 유리***
■ ***Highly Transparent*** ■ ***Glass Thickness : 1.05±0.05mm***
■ ***Chemically Etched Frosting*** ■ ***Easy to Write on Frosted Marking Area***
∗ Certified CE ∗ 50pcs / Box, 2500pcs / Cs (50pcs / Box×50)

〈L1〉

		Pk.	Price,₩	Cs.	Price, ₩
SL.Sli1025	Slide Glass, 45° Ground-edge, Frosted-end	50ea	4,550	50pk	220,600



SciLab® Popular Color Frosted Slide Glass, 76×26mm, White · Pink · Blue · Yellow
With 90° Ground-edge, **컬러 슬라이드 글라스**

■ ***Supplied by SciLab Korea*** ■ ***Produced from High Quality Soda-lime Glass***
■ ***색상별 구분 사용으로 시료에 따라 또는 보관 카세트에 따라 식별이 용이*** ■ ***Uniform Thickness : 1.05±0.05mm***
∗ Certified CE ∗ One Surface with a White, Pink, Blue or Yellow Label Field : Marking Area on one End.
∗ Suitable for Marking with Inkjet, Thermal Transfer Printers and Permanent Markers ∗ Corrosion Resistant
∗ 50pcs / Box, 2500pcs / Cs (50pcs / Box×50)

〈L1〉

		Pk.	Price,₩	Cs.	Price, ₩
SL.Sli1031	Color Slide Glass, 90° Ground Edge, White	50ea	4,760	50pk	230,580
SL.Sli1032	, Pink	50ea	4,760	50pk	230,580
SL.Sli1033	, Blue	50ea	4,760	50pk	230,580
SL.Sli1034	, Yellow	50ea	4,760	50pk	230,580



SciLab® Popular Cytology Adhesive Microscope Slide Glass, 76×26mm, Frosted-type, White
With 90° Ground-edge, **코팅 슬라이드 글라스**

■ ***Supplied by SciLab Korea*** ■ ***Ideal to Cytogenetic Applications, Hydropilic Surface***
■ ***Produced from Super-White Glass*** ■ ***코팅 처리가 되어있어 조직/세포 접착력이 강함***
■ ***Provided with Special Adhesives, Complex Preparation Techniques no longer Necessary***
■ ***Reliable Attachment of Tissue Section Cytological Preparations*** ∗ Glass Thickness 1.0 ±0.1mm
∗ Standard Dimensions : 76×26mm ∗ With White Color Frosted end ∗ CE Certified
∗ Suitable for Marking with Inkjet and Thermal Transfer Printers and Permanent Markers.

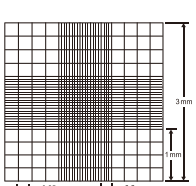
〈L1〉

		Pk.	Price,₩	Cs.	Price, ₩
SL.Sli1041	Adhesive Slide Glass, 90° Ground-edge	50ea	14,800	50pk	717,350

INCYTO® Disposable PMMA Slide, with Neubauer Improved Grid, Chip, Light, Transparent
With Index Note on PP Case, Ideal for Cell Counting · Concentration Measurement · Viability Test, **일회용 세포수 측정 슬라이드**



■ ***Made in Korea***
■ ***Increases productivity by eliminating cleaning and work interruptions***
■ ***PMMA(Poly Methyl Methacrylate) Very light and not breakable, compared with glass***
∗ Blood Analysis(Hematology) : Blood cell counting
∗ Cell Culture : Cell Concentration Measurement. Cell Viability Test
∗ Size : 25×75×h1.1 mm ∗ Grid : System Neubauer Improved Grid



Neubauer Improved Grid

〈L3〉

		Cs.	Price, ₩
I5.GSC100	Slide, Disposable Cell Counting, Nebauer Improved, 25Pcs	25pcs	21,100



Heinz® Hole Slide Glass, Ground Rounded Corners, 1~3 Holes, **홀 슬라이드 글라스**

■ ***Supplied by Heinz Herenz® in Germany*** ∗ 50pcs / Box, 2500pcs / Cs (50pcs / Box×50)
∗ 70×26×1.2/1.5mm ∗ Hole : ⌀15/16mm

〈L1〉

		dh pk.	Price, ₩	Pk.	Price, ₩
HH.1042001	Hole Slide Glass, 1-Hole	1ea	2,190	50pcs	100,330
HH.1042002	, 2-Holes	1ea	3,140	50pcs	144,230
HH.1042003	, 3-Holes	1ea	7,920	50pcs	365,770

※ The Price(VAT is extra) for Korean End-user, and Changeable.



Heinz® 10-holes Boerner Slide Glass, for Staining, 10홀 보에너 슬라이드 글라스

■ ***Supplied by Heinz Herenz® in Germany*** ■ ***Approx. Φ14×depth 2mm Hole×10, with Overflow Groove*** 〈L1〉

∗ Clear Pressed Glass : approx 107×57×4mm

		Ea.	Price, ₩	Pk.	Price, ₩
HH.1042005	Boerner Slides, 10-holes, 107×57×4mm		72,020	6ea	419,100



Heinz® 12-holes Micro Test Plate, Smooth Surface Glass, 12홀 마이크로 테스트 플레이트

■ ***Supplied by Heinz Herenz® in Germany***

■ ***Smooth Surface Glass with 12-holes(Φ14mm) and Overflow Grooves*** 〈L1〉

∗ Ideal for Micro Test in Condensation / Sedimentation / etc

		Ea.	Price, ₩	Pk.	Price, ₩
HH.1042007	Micro Test Plate, 12-holes, 88×56×4mm		71,220	7ea	483,540



SciLab® Popular Cover Glass, with Hinged Dispenser Box, 18×18~24×60mm

Made of Super White Borosilicate Glass, No.1 ; 0.13~0.16mm Thickness, **커버 글라스**

■ ***Supplied by SciLab Korea*** ■ ***Practically Free from Bubbles, Scratches, and Striations***

■ ***Uniform Thickness and Corrosion-Resistant*** ■ ***Unit per Cs. : Vacuum Sealed***

∗ Certified CE ∗ High Quality White Glass, Cost-effectiveness, Transparent

∗ Ideal for Manual & Automatic Coverslippers.

∗ Specially Treated to Avoid Sticking and Breakage. 〈L1〉

		Pk.	Price,₩	Cs.	Price, ₩
SL.Cov1011	Cover Glass, 18×18mm	100ea	1,070	5pk	5,140
SL.Cov1012	, 20×20mm	100ea	1,180	5pk	5,670
SL.Cov1013	, 22×22mm	100ea	1,360	5pk	6,580
SL.Cov1014	, 24×24mm	100ea	1,540	5pk	7,450
SL.Cov1015	, 24×32mm	100ea	2,150	5pk	10,390
SL.Cov1016	, 24×40mm	100ea	2,530	5pk	12,260
SL.Cov1017	, 24×50mm	100ea	3,080	5pk	14,880
SL.Cov1018	, 24×60mm	100ea	3,340	5pk	16,150



SciLab® Popular Cover Glass, with Hinged Dispenser Box, 18×18~24×60mm

Made of Super White Borosilicate Glass, No.1.5 ; 0.16~0.19mm Thickness, **커버 글라스**

■ ***Supplied by SciLab Korea*** ■ ***Convenient Package : Plastic Box with Hinged Transparent Lid***

∗ Certified CE ∗ Uniform Thickness and Corrosion Resistant ∗ No Sticking or Breaking 〈L1〉

∗ Highly Transparent ∗ 100pcs / pk : Vacuum Sealed

		Pk.	Price,₩	Cs.	Price, ₩
SL.Cov1031	Cover Glass, 18×18mm	100ea	1,350	10pk	13,020
SL.Cov1032	, 22×22mm	100ea	1,690	10pk	16,300
SL.Cov1033	, 24×24mm	100ea	1,890	10pk	18,300
SL.Cov1035	, 24×40mm	100ea	3,030	10pk	29,320
SL.Cov1036	, 24×50mm	100ea	3,650	10pk	35,260
SL.Cov1037	, 24×60mm	100ea	4,000	10pk	38,750



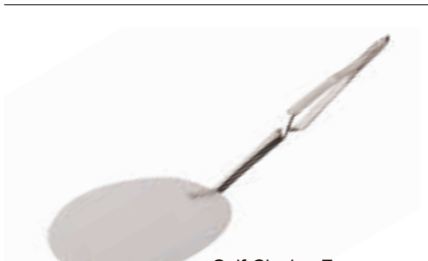
SciLab® Circular Cover Glass, Φ12~Φ22mm

Made of Super White Borosilicate Glass, No.1 ; 0.13~0.16mm Thick, **원형 커버 글라스**

■ ***Supplied by SciLab Korea*** ■ ***Highly Transparent*** 〈L1〉

∗ Certified CE ∗ 100pcs / pk : Vacuum Sealed

		Pk.	Price,₩	Cs.	Price, ₩
SL.Cov1041	Circular Cover Glasses, White Glass, Φ12mm	100ea	3,180	10pk	30,750
SL.Cov1042	, Φ14mm	100ea	3,310	10pk	32,030
SL.Cov1043	, Φ18mm	100ea	3,730	10pk	36,090
SL.Cov1044	, Φ22mm	100ea	3,950	10pk	38,230



Self-Closing Forceps

Self-Closing Cover Glass Forceps, Curved, Tip-wide 6mm, L105mm

Ideal for Sheet, Stainless-steel 430, Finished Surface, **셀프크로스 커버글라스 포셉/핀셋**

■ ***Supplied by SciLab Korea***

∗ Made of Stainless-steel #430, Finished Surface

∗ Ideal for Sheet, with 6mm Tip-wide

∗ Self-Closing : "Push-Open" and "Off-Close" 〈L1〉

		Ea.	Price, ₩
SL.For7081	Self-Closing Forceps, SS, Tip-wide 6mm, L105mm		5,670

(1) Stainless-steel "Classic"

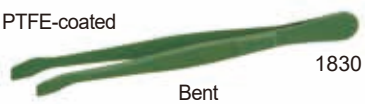


Straight "7083"



Bent "7084"

(2) PTFE-coated



1830

Bent

Cover Glass Forceps, High Grade Stainless-steel & PTFE-coated, L105mm
With Straight & Bent-Types, 6mm Tip-wide, 커버글라스 포셉/핀셋, 비자성/비부식

■ 특급 스텐 (18/10 크롬·니켈) 제품 ; 비자성, 비부식, 내산성 / 내약품성 / 내열성-우수
■ High Grade Stainless-steel of 18/10 Chrome-Nickel
; Non-magnetic, Rust-free, Excellent Resistance to Acid / Chemicals / Heat
■ Teflon PTFE : Anti-Acid / Alkally / Chemicals / Corrosion, MP 260℃
∗ Overall Length L105mm, Tip-wide 6mm

(1) Classic Model ■ *Supplied by SciLab Korea*

〈L1〉

		Ea. Price,₩
SL.For7083	Forceps, for Cover Glass, SS, L105mm, Straight	5,670
SL.For7084	, Bent	5,670

(2) Bochem® PTFE-coated Cover Glass Forceps, Bent, <Germany-Made>

		Ea. Price,₩
BC.1830	Cover Glass Forceps, PTFE-coated, L105mm, Bent	70,180



Kartell® Automatic Slide Dispenser, ABS, For 50 Slides
−40℃+100℃, <Italy-Made> 슬라이드 글라스 자동 분주기

∗ For Finger Print Free Dispensing of 76×26mm Microscope Slides ∗ A cover Protects the Slides from Dust.
∗ Rubber Roller at the Sides of the Slides Ease Out the Slide which can then be Handled by the Edges

〈L1〉

		Ea.	Price, ₩
KA.540	**Slide Dispenser**, Auto., 100×120×h140mm		64,530



SciLab® Slide Warmer, with Acrylic Cover, Analog Controlled, 60℃±2℃
With Ceramic Coated Aluminium Heating Plate, 200W, 220V, <Korea-Made> 슬라이드워머 60℃

∗ Ideal for use in the fields of cytology, histology, pathology and biology for paraffin tissue section mounting
∗ Transparent Acrylic Cover : Good Internal Observation, Improved Thermal Insulation Ability, Protection Dust
∗ Temp : RT~60℃, accuracy : ±2℃ ∗ Heater : 200W
∗ Heating Plate : Aluminum + Ceramic Coated ∗ Body : Iron + Powder Painting

〈L3〉

		Ea.	Price, ₩
SL.Sli8003	Slide Warmer, AC 220V, 45×30×h10cm		585,000



mediclin® Cardboard Slide Mailer, with Cover, for "76×26" Slides, 1·2·6·20-place
Ideal for Holding Microscope Slides, with Writing Area, 사각 카드보드 슬라이드 메일러

■ Supplied by DAIHAN Korea ∗ Storage and a Safe Transport Method of Microscope Slides.
∗ Designed for Holding Microscope Slides and for Reliable Protection
∗ 76×26 Slides can be Easily Removed with Thumb Grooves.
∗ The Material is Hard, can Use for a Long Time

〈M1〉

			Cs.	Price, ₩
DM.Box9021	(1) Slide Mailer, Cardboard, 1-place	, 94×40mm	50ea	14,540
DM.Box9022	(2)	, 2-place , 94×75mm	50ea	20,190
DM.Box9023	(3)	, 6-place , 213×110mm	5ea	9,690
DM.Box9024	(4)	, 20-place, 340×205mm	5ea	32,290



Ⅰ. 1 & 2 places Flat Mailer

mediclin® Utility Slide Mailer / Jar, Autoclavable PP, Convenient 4-Types
For 1~5 Slides of 76×26mm, −10℃+125/140℃, 다기능 슬라이드 메일러/자, 4각, 원통

■ Supplied by DAIHAN Korea
■ Made of High Quality Chemicals Resist Polypropylene. ***■ Autoclabable***
∗ Good for 76×26 Slides Storage and Transfer.
∗ Translucent, but 1place Mailer is Blue.
∗ The Support Bar on the inside to Secure the Respective Slide

Ⅰ. 1 & 2 places Flat Mailer, with Hinged Lid

〈M1〉

		dh pk.	Price,₩	Cs.	Price, ₩
DM.Box3011	**(1) 1 place Slide Mailer**, Flat, 82×39×h5mm, Blue	10ea	1,420	250ea	32,680
DM.Box3012	**(2) 2 place Slide Mailer**, Flat, 86×79×h8mm, Semiclear	10ea	2,400	250ea	55,410



Ⅱ. 3 & 5 places Slide Jar / Mailer

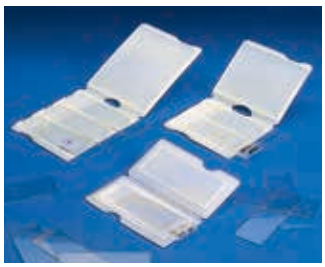
Ⅱ. 3 & 5 places Slide Jar / Mailer, with Screwcap or Hinged Cap

∗ Good for Mailing, Staining, and Storing Slides. ∗ Self-Standing.

		dh pk.	Price,₩	Cs.	Price, ₩
DM.Box3013	**(3) 3 place Cylindrical Slide Jar**, with Screwcap, Φ31×h80mm, Semiclear	10ea	2,090	50ea	9,670
DM.Box3014	**(4) 5 place Rectangular Slide Jar**, with Hinged Cap, 28×18×h81mm, Semiclear	10ea	1,910	100ea	17,620

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description

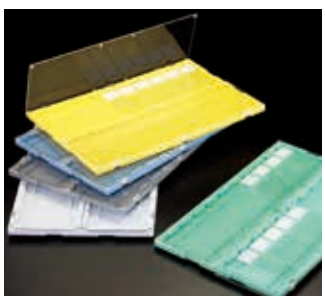


Kartell® Heavy-duty Slide Mailer, PE, for 76×26mm Slide, 1·2·3-Place
With Support Bars, −40℃+80/90℃, <Italy-Made> 사각 슬라이드 메일러

* Helpful in Cytology, Geology Specimens
* Each Slide has its own Compartment with Support Bars.
* The Support Bar on the inside to Secure the Respective Slide
* Secure the Specimen Slide in a Moving

〈L1〉

Cat. No		Ea.	Price,₩	Pk.	Price, ₩
KA.923	Slide Mailer, 1 place, PE, 50.6×98.8×h6.4 mm		3,170	10ea	30,670
KA.925	, 2 place, PE, 84 ×70 ×h6 mm		3,300	10ea	31,970
KA.924	, 3 place, PE, 97 ×84 ×h6 mm		3,580	10ea	34,640



Simport® SlideFolder™ Slide Tray, PS, for 20 Slides of 75×25mm
With Clear Hinged Cover, −80℃+80℃, <Canada-Made> 슬라이드 트레이

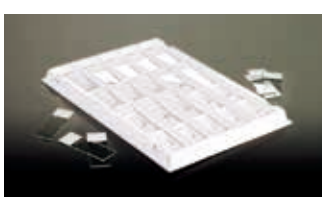


Easy slide removal by pressing down on one end and lifting it from the other.

* Easy Slide Removal by Pressing down on One End an Lifting it from the Other.
* The Two Transparent Hinged Covers offer a Full View of Each Slide without having to Remove it from its Position in the Slide Tray.
* Each Slide Location is Identified with a Number from 1 to 20.

〈L1〉

Cat. No		Ea.	Price,₩	Cs.	Price, ₩
SP.M750.20G	Slide Tray, w/Clear Hinged Cover, 192×295×h11mm, Green		17,700	10ea	168,270
SP.M750.20W	, White		17,700	10ea	168,270
SP.M750.20Y	, Yellow		17,700	10ea	168,270



Easy-Handling by 2-Fingers

Simport® SlideTray™ Stackable Slide Tray, HIPS, for 20 Slides, White
Easy-Handling by 2-Fingers, −80℃+80℃, <Canada-Made> 슬라이드 트레이

* ***Made of Heat Resistant Injection Molded Plastic, High Impact Polystyrene***
* ***Use : Horizontal-angle Structure, Holds up to 20 Slides***
* Special Design : Able to Insert and Remove Slides Easily by Hands(Thumbs and Index-finger)
* Easily Stackable : Slides are well Protected and will not Touch the Tray above

〈L1〉

Cat. No		Ea.	Price,₩	Cs.	Price, ₩
SP.M755.20W	Slide Tray, 20 places, White, 206×299×h18mm		12,090	10ea	114,920



Kartell® Slide Jar with Screwcap, PP, Block UV Rays, for 5~10 Slides
For Mailing & Storing Microscape Slides, −10℃+125/140℃, <Italy-Made> PP 슬라이드 자

* Unbreakable, Chemically Inert.
* The Thread of Cap is very deep allowing Leakproof Seal.
* Supplied with Small Loop on Cap for Tagging.

〈L1〉

Cat. No		Ea.	Price,₩	Pk.	Price, ₩
KA.922	Slide mailer, Φ40×h90 mm		7,080	10ea	68,630



with Numbered Index Card

mediclin® 25·50·100-Slide Storage Box, ABS, Resin with Hinged Lid, for 76×26 Slide
With Numbered Index Card & Foam Lining, ABS 슬라이드 보관 박스

* ***Supplied by DAIHAN Korea***
* There is an Index Number Inside the Box, It is Convenient to Keep.
* Milky White Color
* Ideal for Safe Long-term Storage of Microscope Slides
* The Slots are Well Spaced for Easy Handling of 76×26

〈M1〉

Cat. No		Pk.	Price, ₩
DM.Box3001	Slide Storage Box, for 25 Slides , 100×82×h33mm	2ea	6,340
DM.Box3002	, for 50 Slides , 200×90×h33mm	2ea	7,390
DM.Box3003	, for 100 Slides, 200×170×h33.5mm	1ea	7,390



25- & 100-place Slide Storage Box Set, ABS, with 5 Assorted Color, for 75×25 Slide
With Numbered Index Card & Foam Lining, Stackable, 5색 슬라이드 저장 박스 세트

* ***Supplied by SciLab Korea***
* ***5 Color Assorted : Blue · Green · Orange · White · Yellow***
* The 100-place Box is Secured with a Rust-resistant Clasp and Hinge Pin
* Each Slot is Numbered to Correspond to the Slide Inventory Sheet on the Inside Cover.
* Stackable to Save Space.

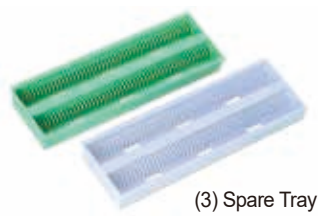
〈L1〉

Cat. No		Set.	Price,₩	Cs.	Price, ₩
SL.Box3001	**25-place** 5 Colors Slide Box Set, ABS, 140×88×h23mm	5ea	41,080	20ea	152,020
SL.Box3002	**100-place** 5 Colors Slide Box Set, ABS, 210×151×h35mm	5ea	78,580	30ea	436,370

Articles	Cat. No	Description



(1) & (2) Slide Storage Box



(3) Spare Tray

Simport® 100- & 200-Slide Storage Box, HIPS, with Clear Hinged Lid · Slot Tray · 2 Index Cards
For 75×25mm Slides, Stackable-type, Vertical-storage, <Canada-Made> 슬라이드 보관 박스, 수직보관/중첩형

* Ideal for Effective Storage and Observation of Slides, with "Writing surface" at the front of the Box
* Not Autoclavable.
* Simply Tilt them Forward and Backward with one finger to Easily and Rapidly Pick up the Slide you need.
* To be able to Read Bar Codes without Having to Remove the Slides from the Box.
* For Space Saving Purpose, you can Double the Amount of Slides simply by Storing 2 Slides per Slot.

(1) 100 Slide Storage Box, with Clear Lid, 82×140×h86mm

* with Tray : up to 50 Slides Vertically(1 per Slot) or 100 Slides Vertically(2 per Slot)
* without Tray : up to 200 Slides

〈L1〉

		Ea.	Price,₩	Cs.	Price, ₩
SP.M700.50G	**Slide Box,** for 100 pcs, Green-color		11,420	10ea	108,280
SP.M700.50W	, White-color		11,420	10ea	108,280
SP.M710.50G	**(3) Spare Tray,** for 100 slides, Green-color		3,440	10ea	32,330
SP.M710.50W	, White-color		3,440	10ea	32,330

(2) 200 Slide Storage Box, with Clear Lid, 82×245×h86mm

* with Tray : up to 100 Slides Vertically(1 per Slot) or 200 Slides Vertically(2 per Slot)
* without Tray : up to 400 Slides

		Ea.	Price,₩	Cs.	Price, ₩
SP.M700.100G	**Slide Box,** for 200 pcs, Green-color		15,200	10ea	144,500
SP.M700.100W	, White-color		15,200	10ea	144,500
SP.M710.100G	**(3) Spare Tray,** for 200 slides, Green-color		4,570	10ea	43,080
SP.M710.100W	, White-color		4,570	10ea	43,080



Simport® Write-ON™ Lab Marker Pen, for High-Temperature and Solvents, 0.5mm Tip
Specially Useful for Histology Marking, Black, 195℃, <Italy-Made> 고온/솔벤트용 마킹펜

* Excellent Resistant of Solvents and High-Temperature up to 195℃.
* Ink will dry almost instantly.
* Good for Histology Cassette.

〈L1〉

		Ea.	Price,₩	Cs.	Price, ₩
SP.M495.12	Pen, Marker, for High-Temp, 0.5mm Tip, Black		9,600	12ea	109,580



Camlab® Biotech Marker Pen, for Low-Temperature up to −135℃, 0.5mm Tip
For Especial Use "Write-On-PE and PP", <UK-Made> 저온 Bio용 마킹펜

* High Quality Biotech Marker for Ultra-Low-Temperature
* Special, Quick Drying, Smear Resistant ink
* It can be Storage at low temperature.
* Manufactured Especially for Use with Polyethylene and Polypropylene

〈L1〉

		Ea.	Price,₩	Pk.	Price, ₩
CL.1158970	Pen, Marker, for Low-Temp, 0.5mm Tip, Black		12,070	10ea	120,250



A18384 · A18385 · A18386

Monami® Namepen, Oil-based, 0.4~1.8mm Tip, 유성 네임펜

■ ***Made in Korea***

〈B4〉

		Ea.	Price,₩
M9.A15533	Name Pen, 0.4mm tip, Black		720
M9.A18382	, Blue		720
M9.A18383	, Red		720
M9.A47457	, 1.0mm tip, Black		720
M9.A47458	, Blue		720
M9.A47459	, Red		720
M9.A18384	, 1.8mm tip, Black		800
M9.A18385	, Blue		800
M9.A18386	, Red		800



※ Staining Jars
⇒ See the "Staining Jars · Dishes · Trays" Section !

※ The Price(VAT is extra) for Korean End-user, and Changeable.

DAIHAN® Programmable Ball Mill "BML", 2-/6- Pots, 50~600 rpm, ±5 rpm, 10 Steps 6 Programs

With Digital Feedback Control System, Digital LCD, with Certi. & Traceability, **디지털/프로그램식 볼밀/자밀, 2구 & 6구용, 정밀형, 속도조절식**



2-Year Warranty

(1) 2-Places Programmable Ball Mill "BML-2"



2-Year Warranty

(2) 6-Places Programmable Ball Mill "BML-6"



Minimum Noise and Safety

Optional Soundproof Cabinet "BMC-6"
for 6-Places Programmable Ball Mill "BML-6"

- ***Supplied by DAIHAN Korea*** ■ ***CE Certified*** ■ ***PL (Product Liability) Insurance***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
- ***Ideal for Grinding / Mixing : Crystalline Chemicals, Inks, Paints, Pigments, Plants, Racks and Soils***
- ***Microprocessor, Programmable, Variable Speed : 50~600 rpm***
- ***Digital Feedback Control and LCD : Speed (RPM), Power Bar-Graph and Timer Status***

∗ Antistatic Rubber Roller : Keeps Jars / Pots Centered
∗ Digital LCD with Back-Light Function
∗ Over Load Protection ∗ Ergonomic and Compact Design
∗ NBR Roller with Pot Guide Ring
∗ Programmable Operation : 10 Steps 6 Programs
∗ Storage Function (RPM, Timer)
∗ Soundproof Cabinet for Safety and Minimum Noise (Optional)

Specifications & Ordering information

‹L1›

Spec. \ Model		(1) "BML-2" Max. 2 Pots	(2) "BML-6" Max. 6 Pots
Capacity		2-places, up to 2 pots	6-places, up to 6 pots
Motor		DC 40W Geared Motor (5 : 1 ratio)	DC 100W Geared Motor (5 : 1 ratio)
Maximum Load		30 kg	60 kg
Speed Range		50 ~ 600 rpm	
Speed Accuracy		±5 rpm	
Timer		99 hr 59 min (Programmable)	
Display		Digital LCD with Back-Light Function	
Controller		Programmable Digital Feedback Controller with Jog-Shuttle Switch (Turn+Push)	
Program Function		10 Steps, 6 Programs	
Safety Device		Over Load Protector for Motor	
Dimension (w×d×h)	Roller (mm)	50×300	70×800
	External (mm)	620×300×h515	1,200×500×h795
Packing Size (w×d×h) (mm) & Gross Weight		760×460×h700	1,300×620×h1,010
		52 kg	115 kg
Power Consumption		40 W	100 W
Electric Reqts.		1 Phase, AC 120 V, 60 Hz or AC 230 V, 50 / 60 Hz	
Cat. No.	230V	**DH.WBM05002**	**DH.WBM05006**
	120V	**DH.WBM05102**	**DH.WBM05106**
Price, Each. ₩		1,549,000	2,830,000

∗ Other Specifications are available upon Customer's Request.

※ 운임 별도

Optional Soundproof Cabinet

∗ **Designed for Minimizing Noise, and Safety Work**

		Ea. Price, ₩
DH.WBM505102	Soundproof Cabinet, **"BMC2"**, for **2-places"BML-2"**, 1,020×570×h1,120mm	1,527,500
DH.WBM505106	Soundproof Cabinet, **"BMC6"**, for **6-places"BML-6"**, 1,600×770×h1,400mm	2,978,800

Articles	Cat. No	Description



Porcelain Mill Pot, with Clamp, 0.5~5 Lit, 자기 포트

■ ***Made in Korea*** ■ ***500 & 1000㎖ Pots : No-Lid, No-Clamp., Have to Use with Rubber-Stoppers*** 〈L3〉

∗ Ideal for Milling, 0.5 & 1 Lit. Pot is Plug Stopper

		Ea.	Price, ₩
D12.0041	Pot, Porcelain, 0.5 Lit., Φ120×L150 mm		91,000
D12.0042	, 1.0 Lit., Φ150×L180 mm		121,880
D12.0043	, 2.0 Lit., Φ180×L210 mm (with clamp)		165,750
D12.0044	, 3.0 Lit., Φ210×L240 mm (with clamp)		198,250
D12.0045	, 5.0 Lit., Φ240×L270 mm (with clamp)		287,630



Kartell® Wide-neck Storage Bottle, HDPE, with Heavy Wall & Handle, 5 & 10 Lit

Can be Used for Ball-Mill Pot, −50℃+105/120℃, <Italy-Made> HDPE 광구, 스토리지 바틀

■ ***Handle을 제거하고 Mill Pot로 사용함***

∗ Very Resistant Bottles, Ideal for Liquid or Powders. Wide Mouth for Easy Filling and Emptying.

∗ Inner Cap & Blue Screwcap : Perfect Seal.

∗ Non Autoclavable 〈L1〉

		Ea.	Price,₩	Pk.	Price,₩
KA.1640	Bottle, HDPE, W-N, 5 Lit , Φ 160×h 320 mm, Neck id. 90 mm		35,170	4ea	136,400
KA.1642	, 10 Lit, Φ 210×h 390 mm, Neck id. 120 mm		52,370	4ea	203,090



Alumina-and Zirconia-Balls

Alumina Ball, High-purity, Al_2O_3 93%, Φ2~Φ30mm, 알루미나 볼

■ ***Made in Korea*** ∗ Alumina Ball Push into the Millport, Samples were Crushed, Mixed, Decentralization 〈L3〉

∗ Manufacture High-density : Very Strong and Solid Materials Used Safely Without Fear of Damage

		Pk.	Price, ₩
A8.1020	Ball, Alumina, Φ 2 mm , AL_2O_3 93%	1kg	16,250
A8.1021	, Φ 3 mm , AL_2O_3 93%	1kg	16,250
A8.1022	, Φ 5 mm , AL_2O_3 93%	1kg	16,250
A8.1023	, Φ 10 mm, AL_2O_3 93%	1kg	16,250
A8.1024	, Φ 20 mm, AL_2O_3 93%	1kg	16,250
A8.1026	, Φ 30 mm, AL_2O_3 93%	1kg	16,250

Zirconia Ball, ZrO_2 94.8%, Non-conductive, Φ2~Φ20mm, 지르코니아 볼

〈L3〉

■ ***Made in Korea*** ■ ***Excellent Resistant to Mechanical and Thermal Shock.***

		Pk.	Price, ₩
A8.1030	Ball, Zirconia, Φ 2 mm , ZrO_2 94.8%	1kg	195,000
A8.1031	, Φ 3 mm , ZrO_2 94.8%	1kg	195,000
A8.1032	, Φ 5 mm , ZrO_2 94.8%	1kg	195,000
A8.1033	, Φ 10 mm, ZrO_2 94.8%	1kg	195,000
A8.1034	, Φ 15 mm, ZrO_2 94.8%	1kg	195,000
A8.1035	, Φ 20 mm, ZrO_2 94.8%	1kg	195,000



SS #304 Balls

Fine Stainless-steel Ball, #304, Φ1.6~Φ25.4mm, 비자성 스텐레스 볼

∗ Non-magnetic & Excellent Corrosion Resistance and Durability 〈L2〉

∗ Can be Used in High/Low Temperature

		Cs.	Price, ₩
SL.Bal7001	Balls, Stainless-steel, Φ1.6mm	500ea	32,870
SL.Bal7002	, Φ3.2mm	200ea	32,870
SL.Bal7003	, Φ6.3mm	100ea	32,870
SL.Bal7004	, Φ9.5mm	50ea	41,000
SL.Bal7005	, Φ12.7mm	30ea	39,390
SL.Bal7006	, Φ16mm	10ea	41,400
SL.Bal7007	, Φ19mm	5ea	35,620
SL.Bal7008	, Φ25.4mm	2ea	39,090

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Mill Powder Tech® Powerful Cutting & Crushing Pulverizer for Laboratory, 24000- & 30000-rpm

With Stainless-steel Body · Chamber · Blade, for Small Samples 150 · 250 · 350g, 실험실용 다용도 분쇄기



(1) Stand-type, Single Blade, 150g



(2) Tilt-type, Double Blade, 250g



(3) Tilt-type, Double Blade, 350g

- ***Integrating the Best of the Crushing and the Stainless-steel Blade Cutting All-in-One***
- ***Ideal for Laboratory, Medicine, Chemical, Agriculture, etc.***
- ***Closed, Dust Tight Crushing & Cutting Sanitary Stainless-steel Chamber***
- ***Motor is Made of Aluminum Alloy, Light weight, Fast Heat Dissipation***
- ***Equipped with a Circuit Breaker to Prevent Overheat***

∗ Adjustable Tilt Function using the Handle, Up-to 120 Degree
∗ Wide Range of Materials Including Rocks, Bone, Ceramic, Glass, Grain, Seed, Dried Vegetation, etc.
∗ Quick and Easy Cleaning Chamber
∗ Highest Safety Standards
∗ Goof for Small Quantity Batch Production
∗ Portable Design & Light weight, Easy Operation

(1) Stand-type, Single Blade, 30000rpm, 150g

∗ Raw Material will be Pulverize in Short Time with Highest Speed 30000rpm.
∗ Stainless-steel Body & Chamber
∗ Stainless-steel Blade
∗ Capacity : 150g
∗ Chamber Size : Φ 7.8×h11.3cm
∗ Power Consumption : 820W
∗ Rated Voltage : 220V, 60Hz
∗ Dimension : 15×15×h30cm
∗ weight : 3.5kg

〈L3〉

		Ea.	Price, ₩
M8.RT02	Pulverizer, Stand-type, 150g, 30000rpm, 15×15×h30cm, 3.5kg		1,063,130

(2) Tilt-type, Double Blade, 24000rpm, 250g

∗ Tilt more then 120 Degree Provide Easy Pulverize & Collecting Samples
∗ Stainless-steel Body & Chamber
∗ Stainless-steel Blade
∗ Capacity : 250g
∗ Chamber Size : Φ 8.5×h13.9cm
∗ Power Consumption : 1200W
∗ Rated Voltage : 220V, 60Hz
∗ Dimension : 18×16×h34cm
∗ weight : 6.5kg

		Ea.	Price, ₩
M8.RT04	Pulverizer, Tilt-type, 250g, 24000rpm, 18×16×h34cm, 6.5kg		1,670,630

(3) Tilt-type Double Blade, 24000rpm, 350g

∗ Tilt more then 120 Degree Provide Easy Pulverize & Collecting Samples
∗ Stainless-steel Body & Chamber
∗ Stainless-steel Blade
∗ Capacity : 350g
∗ Chamber Size : Φ 14×h17.4cm
∗ Power Consumption : 1800W
∗ Rated Voltage : 220V, 60Hz
∗ Dimension : 20×17×h39cm
∗ weight : 9.6kg

		Ea.	Price, ₩
M8.RT08	Pulverizer, Tilt-type, 350g, 24000rpm, 20×17×h39cm, 9.6kg		1,974,380

Articles	Cat. No	Description



PYREX® Premium Glass Mortar & Pestle, 100~300㎖, 유리 모르타르, 페슬은 별도

■ ***Supplied by PYREX® in UK*** ■ ***Mortar and Pestle ; Ordered Separately***

∗ Manufactured from PYREX® Boro-glass 3.3 for Highest Resistance to Thermal Shock and Chemical Corrosion

Mortar only, 100 · 120 · 300㎖

		〈L1〉 Ea. Price,₩
Py.718234	Mortar, 100㎖, Φ 80×h60mm	51,870
Py.718242	, 120㎖, Φ100×h75mm	62,500
Py.718247	, 300㎖, Φ120×h90mm	73,540

Pestle, Rough or Glazed Finish

		Ea. Price,₩
Py.718342	Pestle, L110mm, Rough-finish	28,520
Py.718342R	, Glazed-finish	28,520
Py.718347	Pestle, L125mm, Rough-finish	34,380
Py.718347R	, Glazed-finish	34,380



(1) Standard-form



(2) Deep-form



(3) Spare Pestle (Pestle Only)

Wisd™ Agate Mortar & Pestle Set, Standard- & Deep-form, 10~380㎖

With Top od Φ50~Φ150mm, 아게이트 모르타르 & 페슬 세트, 페슬 별도 구매 가능

■ ***Supplied by DAIHAN Korea***

■ ***Made of Naturally Occurring Agate Stone, which essentially is an Amorphous from Silica.***

∗ Ideal for use in Laboratories demanding Contamination-Free Results.

∗ Used for the Grinding a few Samples or Analyzing the Laboratory Apparatus and Grinding the Solid Material or Carrying on the Powder to Trace Solid Mixing.

(1) Standard-form : 10~320㎖ Set

		〈L1〉 Pk.	Price, ₩
DH.Mor5001	Mortar & Pestle Set, Agate, 10㎖ , Top od/id Φ50/40 , h23mm, depth 11mm	1set	101,900
DH.Mor5002	, 23㎖ , Top od/id Φ70/55 , h27mm, depth 13mm	1set	178,320
DH.Mor5003	, 55㎖ , Top od/id Φ90/75 , h31mm, depth 20mm	1set	285,300
DH.Mor5004	, 90㎖ , Top od/id Φ110/90 , h36mm, depth 26mm	1set	438,120
DH.Mor5005	, 180㎖, Top od/id Φ130/110, h45mm, depth 33mm	1set	667,350
DH.Mor5006	, 320㎖, Top od/id Φ150/130, h55mm, depth 40mm	1set	1,100,370

(2) Deep-form : Ideal for Safety Working, 25~380㎖ Set

		Pk.	Price, ₩
DH.Mor5011	Mortar & Pestle Set, Agate, Deep-type, 25㎖ , Top od/id Φ60/50 , h30mm, depth 18mm	1set	224,180
DH.Mor5012	, 60㎖ , Top od/id Φ80/65 , h40mm, depth 25mm	1set	387,190
DH.Mor5013	, 120㎖, Top od/id Φ100/80 , h50mm, depth 32mm	1set	774,340
DH.Mor5014	, 200㎖, Top od/id Φ120/100, h53mm, depth 40mm	1set	998,470
DH.Mor5015	, 380㎖, Top od/id Φ150/120, h62mm, depth 50mm	1set	2,078,440

(3) Spare Pestle (Pestle Only)

		Ea.	Price, ₩
DH.Mor5021	Pestle Only, L70mm , for Mor5001, 5002		50,970
DH.Mor5022	, L110mm, for Mor5003, 5004		101,900
DH.Mor5023	, L150mm, for Mor5005, 5006		285,300
DH.Mor5025	, L80mm , for Mor5011, 5012		86,620
DH.Mor5026	, L120mm, for Mor5013, 5014		213,980
DH.Mor5027	, L150mm, for Mor5015		427,930



(1) Mortar set



(2) Spare Pestle, Glazed

Compact Alumina Mortar & Pestle Set, 99.5% Top od Φ50~Φ100mm, 7~80㎖

With Glazed Outside, Unglazed Inside, 고순도 알루미나 모르타르 & 페슬 세트

■ ***Ideal for Small Volume Samples*** ■ ***Up to 1750℃, Made of 99.5% Pure Aluminum Oxide.***

■ ***Alumina Mortar Glazed Outside and Unglazed Inside, and Pestle Unglazed to Grinding Surface***

(1) Mortar Set, with Pestle

		〈L1〉 Pk.	Price, ₩
SC.HAMP7	Mortar & Pestle, Alumina, 7㎖ , od Φ50mm , h26mm	1ea	36,200
SC.HAMP15	, 15㎖, od Φ65mm , h31mm	1ea	46,520
SC.HAMP30	, 30㎖, od Φ75mm , h37mm	1ea	61,990
SC.HAMP80	, 80㎖, od Φ100mm, h47mm	1ea	108,530

(2) Spare Pestle, Glazed, Grinding Surface-Unglazed

		Pk.	Price, ₩
SC.HAP7	Spare Pestle only, Alumina, L57mm , for SC.HAMP7	1ea	16,630
SC.HAP15	, L65mm , for SC.HAMP15	1ea	20,790
SC.HAP30	, L74mm , for SC.HAMP30	1ea	24,940
SC.HAP80	, L100mm, for SC.HAMP80	1ea	37,420

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



Alumina Mortar & Pestle Set, 99.5%
With od Φ120~Φ210mm, 알루미나 모르타르 & 페슬 세트

■ ***Made in Korea*** ∗ More Resistant to Abrasion and essentially Inert. Harder than Alumina.
∗ Highly Resistant to Corrosion by Chemical. Give min. Sample contamination.
∗ Alumina Mortar : Grinding a Sample of the Solid, Al_2O_3 99.5%

〈L2〉

		Ea.	Price, ₩
F3.1411	Mortar & Pestle, Alumina, od Φ120×h62mm		261,630
F3.1412	, od Φ150×h75mm		313,950
F3.1413	, od Φ170×h80mm		402,500
F3.1414	, od Φ210×h93mm		805,000



(1) Fully Glazed Set



(2) Unglazed(inside) Set

Porcelain Mortar & Pestle-Set, 25㎖~13,000㎖, 자제 모르타르 & 페슬 세트

(1) Fully Glazed Mortar & Pestle-Set, od Φ60~Φ215mm, 25㎖~1135㎖

∗ With Pestle Fully Glazed ∗ Unglazed Bottom Outside

〈L1〉

		Pk.	Price, ₩
SC.MG60	Mortar, with Pestle, 25㎖ , Top(od/id)-Φ60/50 , h32mm , Pestle L52mm	1ea	8,230
SC.MG80	, 50㎖ , -Φ81/65 , h42mm , L84mm	1ea	10,850
SC.MG90	, 75㎖ , -Φ91/73 , h46mm , L84mm	1ea	12,740
SC.MG100	, 110㎖ , -Φ100/81 , h50mm , L103mm	1ea	15,370
SC.MG125	, 220㎖ , -Φ125/102, h64mm , L132mm	1ea	24,600
SC.MG150	, 325㎖ , -Φ144/134, h71mm , L158mm	1ea	36,120
SC.MG165	, 500㎖ , -Φ163/135, h82mm , L175mm	1ea	51,830
SC.MG185	, 730㎖ , -Φ183/162, h90mm , L210mm	1ea	66,640
SC.MG215	, 1135㎖, -Φ215/173, h104mm, L255mm	1ea	96,830

(2) Unglazed inside Mortar & Pestle-Set, od Φ230~Φ400mm, 2000㎖~13000㎖

∗ With Pestle Unglazed to Grinding Surface ∗ Unglazed Inside

		Pk.	Price, ₩
SC.J708	Mortar, with Pestle, 2000㎖ , Top(od/id)-Φ230/200, h140mm, Pestle L222mm	1ea	65,770
SC.J709	, 4200㎖ , -Φ285/250, h175mm, L262mm	1ea	186,170
SC.J710	, 7000㎖ , -Φ330/300, h205mm, L280mm	1ea	284,940
SC.J711	, 13000㎖, -Φ400/350, h200mm, L315mm	1ea	553,900



Porcelain Pestle, with Wooden Handle, Non-autoclavable, 자제 페슬, 목재 손잡이

∗ Comfort-Grip Wood Handle.

〈L1〉

		Ea. Price,₩
SC.J735	W/H Pestle, Φ25×L95mm	6,620
SC.J737	, Φ32×L120mm	8,370
SC.J739	, Φ43×L160mm	13,220
SC.J740	W/H Pestle, Φ55×L185mm	16,240
SC.J742	, Φ75×L247mm	38,220
SC.J743	, Φ64×L300mm	56,200



(1)



(2)

VITLAB® MF Mortar & Pestle, −80℃+120℃, <Germany-Made> 멜라민 모르타르, 페슬은 별도

∗ 120℃ Heat-resistant, with Lip ∗ White Melamine.
∗ Easy to Work for Mixing vessel ∗ Mortar & Pestle Sold Separately

〈L1〉

		Ea.	Price, ₩
VI.728.98	(1) Mortar only, MF, 300㎖, Φ125×h75mm		28,090
VI.729.98	, 500㎖, Φ150×h90mm		34,370
VI.734.98	(2) Pestles only, MF, Φ30×L125mm, 55g		32,990
VI.735.98	, Φ35×L145mm, 85g		35,730
VI.736.98	, Φ40×L160mm, 120g		40,030
VI.738.98	, Φ42×L215mm, 175g		83,020



(1)
8931



(2) 8936

Bochem® Stainless-steel Mortar and Pestle, Finished Surface, 250~2,000㎖
Non-magnetic 18/10 Stainless-steel, 비자성 스텐 모르타르, 페슬은 별도

■ ***Supplied by Bochem® in Germany*** ■ ***단단한 물질 분쇄시 사용하며 Mortar과 Pestle은 별도 판매***
∗ Made of Non-magnetic 18/10 Stainless-steel (SS) ∗ Optional Pestle, Finished Surface, Melting point : 1,400℃

〈L1〉

(1) Mortar only

		Ea. Price,₩
BC.8930	Mortar, SS, 250㎖ , Φ100mm	74,990
BC.8931	, 500㎖ , Φ120mm	99,840
BC.8932	, 750㎖ , Φ140mm	145,390
BC.8933	, 1,000㎖, Φ160mm	173,340
BC.8934	, 1,500㎖, Φ180mm	199,140
BC.8935	, 2,000㎖, Φ200mm	225,340

(2) Pestle only

		Ea. Price,₩
BC.8936	Pestle, SS, Φ24/28×L140mm	217,940

Articles	Cat. No	Description


(1) Basic


(2) Stoppered

SciLab® Tall-form Nessler Tube, Color Comparison, 2 pcs Matched Set, 25/50 & 50/100㎖
With Optically Plane Bottom, Borosilicate Glass 3.3 장형 비색관, 2개 매치 세트

■ *Made in Korea* ■ *with Graduation : 25/50, 50/100㎖ ; A-Class Tolerance*

〈L3〉

(1) Basic-type

		Pk.	Price, ₩
SL.Col2001	Nessler Tube, Tall, 25 / 50㎖ , Φ24×h180mm	2ea	11,700
SL.Col2002	, 50 / 100㎖, Φ30×h220mm	2ea	16,250

(2) With Joint Stopper

		Pk.	Price, ₩
SL.Col2004	Nessler Tube, Tall, 19/26 Stopper, 25 / 50㎖ , Φ24×h250mm	2ea	22,100
SL.Col2005	, 24/29 Stopper, 50 / 100㎖, Φ30×h290mm	2ea	29,250



MBL® Premium Short-form Nessler Tube, Color Comparison, 2 Pcs Matched Set, 50 & 50/100㎖
Shadow-Less Bottom, Blue Scale, 프리미엄 비색관 세트

■ *Made in UK*

〈L1〉

∗ A-Class Tolerance, Free from Color or Visible Defects.

		Pk.	Price, ₩
Mb.CRC320	Nessler Tube, 2pcs Match, 50㎖ , tol. ±0.4㎖, Φ 26×h150mm	2ea	19,170
Mb.CRC322	, 50 / 100㎖, tol. ±0.8㎖, Φ 34×h180mm	2ea	28,550



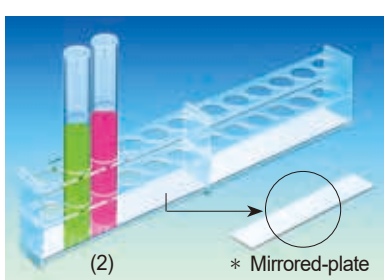
SciLab® Stainless-steel Nessler Tube Stand, 10-Hole, with Acrylic-plate
For 50/100㎖ Nessler tube, 스텐선 비색관대

■ *Made in Korea* ■ *Nessler tube stand with white opaque reflector set at an angle below tubes.*

〈L1〉

∗ Attached White Acrylic Plate to Increase Colorimetric Effect.

		Ea.	Price, ₩
SL.Sta7041	Tube Stand, for 50㎖ Nessler tube , 10-holes, 330×92×h165mm		24,800
SL.Sta7042	, for 100㎖ Nessler tube, 10-holes, 390×105×h200mm		26,800


(2) ∗ Mirrored-plate

Acrylic Colorimetric Nessler Tube Rack, for 50/100㎖ Tubes of Φ27/32mm
With 12 Holes & Mirrored-plate, Clear, −40℃ +90℃ Stable, 아크릴 비색관 랙

■ *Supplied by SciLab Korea* ■ *with detachable Mirrored-plate*

∗ Provide Clear View of the Tube Contents

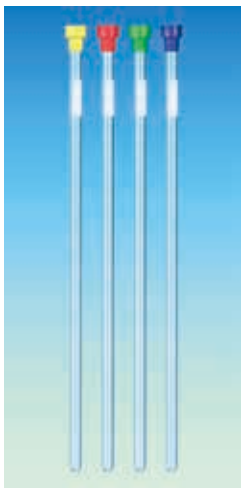
∗ The Lower Part of the Tube can be clearly seen through the Mirrored-plate

〈L1〉

		Ea.	Price, ₩
SL.Rac3193	(1) Tube Rack, Acrylic, Φ27 mm×12 holes, 401×38×h105mm		20,840
SL.Rac3194	(2) , Φ32 mm×12 holes, 460×44×h106mm		25,000

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



DURAN® Premium Precise & Perfectly Tuned NMR Tube, with Retrace Code and EVA Plug
Φ4.97±0.013~0.05mm, Boro Glass 3.3, 300~500MHz, NMR 튜브

■ ***Supplied by DURAN® in Germany***
■ ***Optimized for Fast & Accurate Test Results***

* Ideal for NMR(Nuclear Magnetic Resonance) Spectroscopy
* Available in 4-Accuracy Classes According to Application and Required Resonance Frequency Ranges
* The Correct Tube can be Selected Depending on Magnetic Field and Spin.
* To Ensure the High Quality, Each Tube Passes through a Laser Check System and is Individually Tested According to its Specifications.
* with Very Thin-walled & the Smallest Diameter to ensure the Analysis of Large Substance Volumes
* Consequently, Quick and Accurate Test Results are Achievable
* With EVA Plug
* Good Uniformity of Diameter
* Uniform Wall Thickness
* Excellent Straightness
* Can Download the Certificate from 'http://www.dwk.com' with Retrace Code on the Packaging Label.

(1) Economical NMR Tube, OD Φ4.97±0.05mm

<L1>

* For Economical Use in Fully Automatic Sample Dispensers or High Throughputs.

		Ea. Price,₩	Pk.	Price, ₩
DU.231700117	NMR Tube, Economical type, OD Φ4.97±0.05mm, ID Φ4.20±0.05mm, h178mm, Camber 0.07mm, 300 MHz	5,030	50ea	243,000

(2) Professional NMR Tube, OD Φ4.97±0.025mm

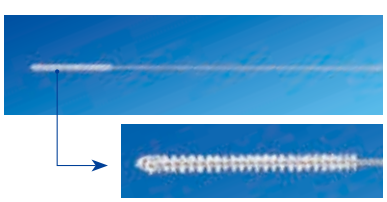
* For Professional Use in Industry and Research in the Medium and High Resolution Range of NMR Spectroscopy.

		Ea. Price,₩	Pk.	Price, ₩
DU.231700211	NMR Tube, Professional type, OD Φ4.97±0.025mm, ID Φ4.20±0.025mm, h178mm, Camber 0.03 mm, 400 MHz	20,950	25ea	507,530

(3) Scientific NMR Tube, OD Φ4.97±0.013mm

* For Scientific Use with High Value Samples and Optimal Substance Utilization in the Highest Resolution Range in NMR Spectroscopy.

		Ea. Price,₩	Pk.	Price, ₩
DU.231700314	NMR Tube, Scientific type, OD Φ4.97±0.013mm, ID Φ4.20±0.025mm, h178mm, Camber 0.013mm, 500 MHz	38,890	5ea	188,540



DURAN® NMR Tube Brush, Suitable for Φ5mm NMR Tubes, L250mm
Made of Stainless-steel Wire & Nylon Bristles, <Germany-Made> Φ5mm NMR, 튜브용 브러쉬

* Curved End of Bristle Trim for Cleaning the Inner Tube Bottom
* Ideal for Cleaning NMR Tubes from Stubborn Contamination

<L1>

		Ea.	Price, ₩
DU.2907400	Brush, for Φ5mm NMR Tubes, SS Wire w/Nylon Bristles, L250mm		6,330



NMR Tube Washer, DURAN glass, for NMR Tube, NMR 튜브 세척기

■ ***Made of Original DURAN® Borosilicate Glass 3.3***
■ ***Custom-Made Available***

* Wash and Dry Cell, Test Tubes or Small Scale Volumetric Instruments.
* Connected to a Vacuum Pump. Suitable for NMR Tube cleaning.
* Autoclavable.

(1) SciLab® NMR Tube Washer, Joint-type

<L1>

* Supplied by SciLab Korea
* 250㎖ Flask Included

		Ea.	Price, ₩
SL.Tub2101	Washer, NMR Tube, 250㎖, Joint		76,130

(2) "witeg" NMR Tube Washer, Screw-type

* Made in Germany
* 1,000㎖ Bottle Included

		Ea.	Price, ₩
WI.2900032	Washer, NMR Tube, 1,000㎖, Screw		497,690

Office Supplies

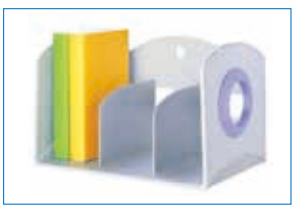

Adhesive


Calculator


Clip

Adhesives 접착제 ····· P. 1, 525
Bookends & Bookshelf 책받침대 ····· P. 528
Calculators 전자계산기 ····· P. 526
Clips & Pins 클립 & 핀 ····· P. 527
Cutters & Cutting Mats 커터 & 컷팅 매트 ····· P. 527
Drills / Punches 송곳 / 펀치 ····· P. 532
Files 파일 ····· P. 528
Label Tapes 라벨 테이프 ····· P. 529
Laser Pointers 레이저포인터 ····· P. 526
Paper Shredders 문서세단기 ····· P. 529
Pens 필기도구 ····· P. 530~531
Post-it 접착식 메모지 ····· P. 532
Rulers 자 ····· P. 528
Scissors 가위 ····· P. 533
Staplers 스테플러 ····· P. 533
Tapes 테이프 ····· P. 529


Cutter


File & Bookshelf


Label Tape


Pen


Post-it


Punch


Scissors


Stapler

Articles	Cat. No	Description



Amos® White Superglue Stick, Safe, Non-toxic, Washable, 8g~35g
Ideal for Paper · Photos · Fabric, Fast Strong Bonding, **강력한 딱풀**

∗ Non-Toxic Adhesive ∗ Odorless ∗ Useful for Home, Office & School

〈B4〉

		Ea. Price,₩	Pk.	Price, ₩
A5.1001	Adhesive, White Gluestick, 8g	370	30ea	
A5.1002	, 15g	590	20ea	
A5.1003	, 25g	880	20ea	
A5.1004	, 35g	1,100	12ea	



Amos® Liquid Superglue Stick, Non-toxic Adhesive, 50㎖ & 120㎖
Ideal for All Paper Craft, Washable, Watertight, **초강력 물풀**

∗ Useful for Home, Office & School
∗ Odorless ∗ Water Solubility ∗ No Run Liquid

〈B4〉

		Ea. Price,₩	Pk.	Price, ₩
A5.1011	Adhesive, Liquid Gluestick, 50㎖	590	12ea	
A5.1012	, 120㎖	1,460	12ea	



(1) 2g "AD122"



(2) 4g "AD124-G"



(3) 7g "AD127"



(4) 20g "AD120"

3M® Scotch® 2g · 4g · 7g · 20g Quick Dry Super Glue-gel, in Safety Vessel
Good for Small Gaps, for Ceramic · Glass · Leather · Metal · Rubber · Wood, **강력 순간접착제**

∗ Solvent-Free, No-Tips. ∗ Cyano Acryl Resin Based.
∗ Quick drying Super Strength Adhesive Designed for a Wide Variety of Surfaces.

〈B4〉

(1) 2g "AD122", Gel Type, 초강력 젤타입

		Pk.	Price,₩	Cs.	Price, ₩
3M.02.1009	Scotch® "AD122" Super Glue Gel, 2g	1ea	2,870	12pk	33,380

(2) 4g "AD124-G", Gel Type, Clog-resistant, 막힘방지형 젤타입

		Pk.	Price,₩	Cs.	Price, ₩
3M.02.1026	Scotch® "AD124-G" Super Glue gel, Clog-resistant, 4g	1ea	4,810	12pk	55,900

(3) 7g "AD127", Liquid Type, Brush-On, 브러쉬형 리퀴드타입

		Pk.	Price,₩	Cs.	Price, ₩
3M.02.1011	Scotch® "AD127" Super Glue Liquid, Brush-On, 7g	1ea	2,800	10pk	27,120

(4) 20g "AD120", Liquid Type, Twist Cap, 트위스트캡형 리퀴드타입

∗ Twist Cap Prevents the Hole from Clogging. ∗ Easy to Adjust Volume

		Pk.	Price,₩	Cs.	Price, ₩
3M.02.1012	Scotch® "AD120" Super Glue Liquid, Twist Cap, 20g	1ea	3,590	12pk	41,720



Monami® General Purpose Electronic Calculator, 12 Digit Wide Display
Ideal for Office, School & Home, Solar & Battery Dual Power, 일반용 전자계산기

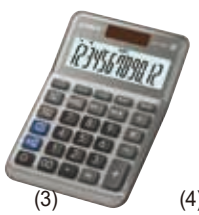
* Solar & Battery Dual Power
* Use Plastic Key Pad
* 12 Digit Wide Display
* Possible Various Percentage Calculations
* Available Quick Numeric Entry
* Useful Office, School & Home, etc.

〈B4〉

Cat. No	Description	Pk.	Price, ₩
M9.A03960	Electronic Calculator, 12 Digits, MC112	1ea	8,740


(1)


(2)


(3)


(4)

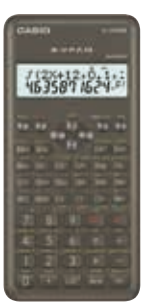
CASIO® Practical Electronic Calculator, 2-way Power, 12 & 14 Digit
Ideal for Office, School & Home, 전자계산기

* Solar & Battery Dual Power(But, DH.Off3121 AA Battery Only)
* Off Automatically After 5~10 Minute
* Possible Various Percentage Calculations
* Available Quick Numeric Entry
* 12 Digit Wide Display(But, DH.Off3124 14Digit)

〈B3〉

Cat. No	Description	Pk.	Price, ₩
DH.Off3121	(1) Electronic Calculator, 12Digits, 73×142mm, 93.5g	1ea	16,670
DH.Off3122	(2) , 108×182mm, 160g	1ea	19,120
DH.Off3123	(3) , 103×147mm, 180g	1ea	18,530
DH.Off3124	(4) Electronic Calculator, Folding-type, 14Digits, 108×182mm, 77g	1ea	16,670


FX-350MS2


FX-570MS2

CASIO® Professional Calculator, 200 & 401 Functions, 27 Memories
Solver Function, 카시오® 전문가용 공학용 계산기

■ Statistical and Regression Graphs
* Slide Show Feature
* 200 & 401 Functions
* Matrix Function
* 27 Memories
* Simulation Calculation (ALGB)
* Stochastic, Financial Calculations

■ Large 132×64 Dot Matrix Graphic LCD
* Wide-View Display
* Solver Function
* Multi Line Playback
* 3 Digit Punctuation
* Logic Operations (AND, OR, NOT, NEG, XOR)

〈B3〉

Model	FX-350MS2	FX-570MS2
Fraction Calculation.	200	401
Internal Operation Digits	15	-
Screen	2Line Display	2Line Display
Displayed Digits	Mantises + Exponent : 10 + 2	Mantises + Exponent : 10 + 2
Dot Matrix Display	5×6 Dots×12Digits	5×6 Dots×12Digits
Characters	12	12
Power Supply	LR44×1	LR44×1
Dimensions (mm) / Weight	77×11×h162mm / 95g	78×13×h155mm / 105g
Cat. No.	**DH.Off3126**	**DH.Off3127**
Price, Each. ₩	15,990	23,920

, Laser Pointers 레이저포인터



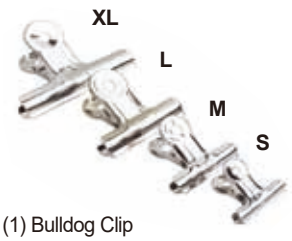
3M® "WP-5500" Wirelss Presenter with Laser Pointer, Convenient Handy Pocket Clip, 25g
With Carrying Bag, Ideal for Conduct / Report, Stylish & Premium Design, 무선 프리젠터, 레이저 포인터 겸용

* Laser Pointer & PowerPoint Control
* Rated Output : 1mW
* Laser Output Distance : 200m
* Convenient Pen-type Clip
* Rubber Coating for Upgraded Texture
* Easy to Plug & Play : No Installation Required
* Transmitter Size : 31×119×h17 mm / USB Receiver Size : 15×49×h7.5mm
* Function : Page Up & Down, F5, Esc, Blank Functions
* Frequency : 2.4 GHz
* Battery : AAA 1.5V×2ea
* Compact Stick Design for Better Grip
* Compatible with Windows 98/SE/ME/2000/7/10, Mac OS, Linux
* Wireless Operating Distance : Approx. 25m
* Wave-Length : 650nm

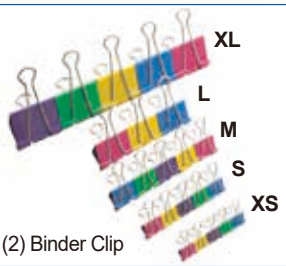
〈B4〉

Cat. No	Description	Pk.	Price, ₩	Cs.	Price, ₩
3M.02.4029	"WP-5500" Laser Pointer, Wireless Presenter, 31×119×h17 mm, 25g	1ea	56,830	5pk	

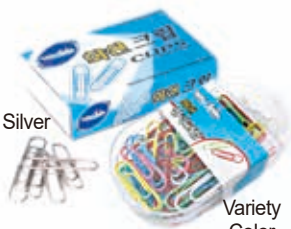
※ The Price(VAT is extra) for Korean End-user, and Changeable.



(1) Bulldog Clip



(2) Binder Clip



(3) General Clip

Whashin® Clip, Durability, <Korea-Made> 클립, 내구성

〈B4〉

(1) Whashin® Bulldog Clip, Silver

		Ea. Price,₩	Pk.	Price, ₩
W1.BC001	Bulldog Clip, XL, w92mm	590	20ea	10,730
W1.BC002	, L , w64mm	400	25ea	8,940
W1.BC003	, M , w51mm	270	50ea	11,920
W1.BC004	, S , w40mm	210	100ea	17,880

(2) Peace® Binder Clip, Purple · Green · Yellow · Blue · Pink Mix

		Pk. Price,₩	Cs.	Price, ₩
W1.DC001	Binder Clip, XL, w50mm	10ea 2,390	30pk	69,370
W1.DC002	, L , w38mm	3ea 480	10pk	4,290
W1.DC003	, M , w25mm	5ea 400	10pk	3,590
W1.DC004	, S , w18mm	5ea 240	10pk	2,160
W1.DC005	, XS, w15mm	5ea 210	20pk	3,590

(3) Whashin® General Clip, Silver & Various Colors

		Pk.	Price, ₩
W1.500C	Clip, Silver Color , 30g, w8×L33mm	30ea	410
W1.1200VC	, Various Color, 30g, w8×L33mm	68ea	1,050


Clipper


C-Clip

Whashin® Handy Clipper & Clip, Durability, <Korea-Made> 클리퍼

〈B4〉

∗ Easy One-touch Binding

		Pk. Price,₩	Cs.	Price, ₩
W1.2400L	Clipper, Large , 27×140×h22 mm	1ea 3,230	10pk	29,800
W1.2400M	, Medium, 25×115×h20 mm	1ea 1,940	20pk	35,740
W1.2400S	, Small , 23× 95×h13 mm	1ea 1,940	20pk	35,740
W1.2400CL	C-Clip, for Clipper, Large , 18×13×t 6.5mm		27ea	2,390
W1.2400CM	, Medium, 16×11×t 4.8mm		40ea	2,390
W1.2400CS	, Small , 13×9×t 3mm		56ea	2,390



Whashin® Cutter & Blade, Durable, Excellent Cutting, 커터와 날

■ ***Made in Korea*** ∗ Excellent Quality
■ ***Made of High-strength Blade Material with Double Grinding***

(1) Slim Blade Cutter with 9mm Wide Blade

∗ Each Cross-section Matches Exactly and the Cutting Surface is Smooth

〈B4〉

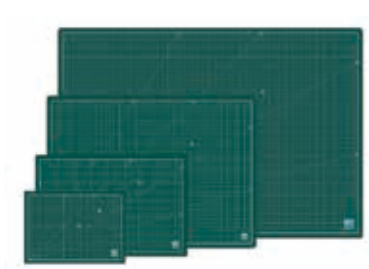
		Pk.	Price, ₩	Cs.	Price, ₩
W1.201	ⓐ Slim Blade Cutter, L153mm, 27g	1ea	520	10pk	4,780
W1.209	ⓑ , L145mm, 22g	1ea	980	10pk	8,940
W1.G203	ⓒ , Good-grip, L135mm, 15g	1ea	980	10pk	8,940

(2) Large Blade Cutter with 18mm Wide Blade

		Pk.	Price, ₩	Cs.	Price, ₩
W1.G205	ⓓ Large Blade Cutter, L160mm, 60g	1ea	1,810	10pk	16,690
W1.CP01	ⓔ , Blade Hold Function, L167mm, 81g	1ea	1,810	10pk	16,690

Optional Blades

		Pk.	Price, ₩	Cs.	Price, ₩
W1.B110.1	ⓕ Blade, Large, 18mm Wide Blade, 10ea/pk	10ea	1,000	10pk	9,180
W1.B085.1	ⓖ , Slim , 9mm Wide Blade, 10ea/pk	10ea	430	100pk	39,320



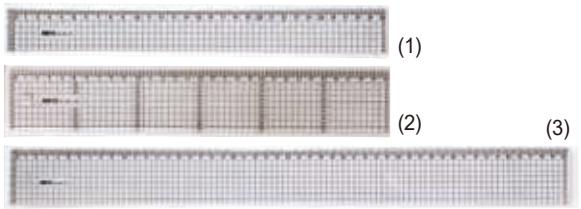
PVC Non-Slip Cutting Mat, Excellent for Self-Recovery, with Grid Line, Durable, 2.75mm Thick Ideal for Protect Work Surface & Blade, PVC 논슬립 컷팅 매트

■ ***Supplied by DAIHAN Korea*** ■ ***칼자국을 스스로 회복하는 자체 복원력 우수***
■ ***Suitable for All Kinds of Writing, Craft Paper Carving, Cutting, etc.***
∗ Protect Table-top From Scratches Caused by Sharp Tools or Glue
∗ Help Cutting More Convenient and Smooth

〈B4〉

		Ea.	Price,₩	Pk.	Price, ₩
DH.Off3005	Cutting Mat, PVC, Thick 2.75mm, 300×215mm		3,290	10ea	31,790
DH.Off3006	, 450×300mm		5,960	10ea	57,790
DH.Off3007	, 620×450mm		11,030	30ea	320,660
DH.Off3008	, 900×620mm		20,270	10ea	196,450

Articles	Cat. No	Description



30 & 50cm Ruler, Polystyrene, Polystyrene, Excellent Transparency With Grid Printed in 5mm Graduations, 방안직자

■ ***Made of Polystyrene*** ＊Exact scale

〈B4〉

			Pk.	Price, ₩
A5.4036	(1)	Graph Measuring Stick, 3.5×30cm	1ea	370
A5.4037	(2)	, 5×30cm, Wide-type	1ea	880
A5.4038	(3)	, 5×50cm	1ea	880

EXP 철직자, Stainless Steel Ruler 다국적



■ ***Division ; 1mm***

〈B3〉

	ORDER NO.	MODEL NO.	Length mm	포장단위 Ea. / Pk.	PRICE, ₩ Ea.
유광	0479-697	SRP-150	150	1 / 12	430
	0479-695	SRP-300	300	1 / 10	1,100
	0479-698	SRP-600	600	1 / 20	2,750
	0479-699	SRP-1000	1,000	1 / 20	7,160
	0479-700	SRP-1500	1,500	1 / 10	15,490
	0479-701	SRP-2000	2,000	1 / 10	20,980

NEW



Amos® Triangle Ruler With Grid, 160mm, 삼각자

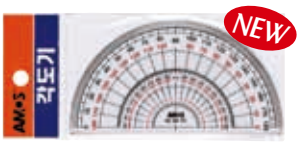
＊Excellent Transparency
＊Exact Graduation ＊No Scratch
＊Graduation is Not Erased

〈B4〉

		Pk.	Price,₩
A5.4031	Triangle Ruler, 160mm	1ea	730

Amos® Protractor, 130mm, Thick-2mm, 각도기

NEW



＊Excellent Transparency
＊No Scratch
＊Graduation is Not Erased
＊Exact Graduation

〈B4〉

		Pk.	Price,₩
A5.4021	Protractor, 130mm	1ea	370



A4 Clear File, PP Transparent Sheet, Document Storage, 20 & 40 Sheet With 3-hole Plastic Button Lock, Interchangeable Inner Paper, A4 클리어파일

■ ***Made in Korea*** ＊The Perfect Way to Preserve the Original Files ＊Free Exchange and Removal of Data
＊Semipermanent Transparent P.P Sheet : Excellent Elasticity, Unbreakable and Always Clean
＊Size : Cover(240×310mm), Inner Sheet(230×300mm)

〈B4〉

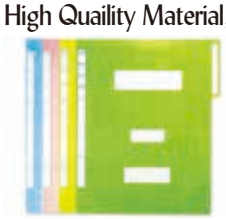
(1) 20 Sheet Clear File

			Ea. Price,₩
J3.A09320	A4 Clear File, 20sheet, Black,	240×310×t 20mm	1,980
J3.A09322	, Blue,	240×310×t 20mm	1,980
J3.A09324	, Green,	240×310×t 20mm	1,980

(2) 40 Sheet Clear File

			Ea. Price,₩
J3.A09326	A4 Clear File, 40sheet, Black,	240×310×t 20mm	2,700
J3.A09328	, Blue,	240×310×t 20mm	2,700
J3.A09330	, Green,	240×310×t 20mm	2,700

A4 Paper File Set, with Steel Fastener, 4-Color High Quaility Material, 10ea/set, 정부파일 셋트



■ ***Made in Korea***

〈B4〉

			Pk.	Price, ₩
J3.A14729	Paper File Set, Yellow	, 240×310 mm	10ea	3,290
J3.A14730	, Sky-blue,	240×310 mm	10ea	3,290
J3.A14731	, Green	, 240×310 mm	10ea	3,290
J3.A51810	, Pink	, 240×310 mm	10ea	3,290

Holder File, Transparent Ideal for Filing Documents, L자 투명 홀더 파일



■ ***Made in Korea***

〈B4〉

			Pk.	Price, ₩
DH.Off2022	Holder File, Transparent, A4, Blue		10ea	2,190
DH.Off2023	, Clear		10ea	2,190
DH.Off2024	, Green		10ea	2,190
DH.Off2025	, Red		10ea	2,190
DH.Off2026	, Yellow		10ea	2,190

Sysmax® Bookshelf, with Handle, 3 Space-type For Document Storage/Classification, Gray, 3단 멀티책꽂이



■ ***Made in Korea***
＊With Convenient Handle
＊Stackable Design
＊Anti-slip Floor Bump
＊355×208×h213mm

〈B4〉

		Ea.	Price, ₩
S9.26200	Bookshelf, 3×Partition-type		11,920

Steel Bookend, Non-slip with Rubber Pad, 책버팀대



■ ***Made in Korea***
＊5 Color (Black · Blue · Gray · Pink · Yellow) will be Delivered Randomly

〈B4〉

		Ea. Price,₩	Pk.	Price, ₩
DH.Off3041	Bookend, Steel, Large, Size 150×140×h210mm	4,460	2ea	
DH.Off3042	Bookend, Steel, Medium, Size 130×120×h172mm	3,200	2ea	

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description


(1) Dispenser Set (2) Refill Cartridge

3M® Scotch® "1652" 4.2mm Correction Tape, with Dispenser, w4.2mm×L8m
Copied Clearly, Cartridge-type One-Click Refill Tape, 4.2mm **수정 테이프**

∗ Refill Cartridge Tape : "One-Click" System.
∗ Clear Plastic BLISTER Packaging with Printed Description Card

〈B4〉

		Pk.	Price,₩	Cs.	Price, ₩
3M.02.6001	(1) "1652" Correction Tape , Dispenser Set, w4.2mm×L8m	1ea	1,800	30pk	
3M.02.6002	(2) , Refill Cartridge Tape	1ea	1,520	30pk	


(1) (2)

5mm Correction Tape, with Dispenser, w5.0mm×L8m
Copied Clearly, Optional Refill Tape, 5mm **수정 테이프**

■ ***Made in Korea***
∗ Can Write Immediately after Correction ∗ Can Use Any Writing Instrument
∗ Easy to Use Both Hand.

〈B4〉

		Pk.	Price, ₩
DH.Off3051	(1) Correction Tape, Dispenser Set, w5.0mm×L8m	1ea	1,200
DH.Off3052	(2) , Refill Tape, 2 Pcs / Pk.	2roll	1,250


(1) (2) (3)

3M® Scotch® "810D" Write-On-Label Magic Tape with Dispenser, w12 & 18mm, L18~32m
Ideal for Permanent Applications, Translucence, Easy to Write on Text, Using Hand-tear, **매직라벨테이프**

∗ Preferred Tape for offices, Home offices and Schools, Original Matte Finish, Invisible Tape.
∗ Write on it with Pen, Pencil or Marker.
∗ Ideal for Permanent Applications Like Mending and Splicing.

〈B4〉

		Pk.	Price, ₩	Cs.	Price, ₩
3M.02.6003	(1) "810D" Magic Tape, Dispenser Set, 12mm×L20m	1roll	2,300	180pk	
3M.02.6004	, 18mm×L30m	1roll	3,450	180pk	
3M.02.6005	(2) "810R" Magic Tape, Refill Tape, 12mm×L18m	1roll	1,660	120pk	
3M.02.6006	, 18mm×L32m	1roll	3,380	120pk	

(3) "SM-3Deal" Comfort-kit, With 3 Magic Tape 18mm×L32m and 1 Reusable Dispenser "C-40"

		Pk.	Price, ₩	Cs.	Price, ₩
3M.02.6007	"SM-3Deal" Magic Tape Kit, Dispenser+3Tape(18mm×L32m)	1kit	11,410	20pk	



3M® Scotch® Multiuse Transparent Tape, w12 & 18mm
For Home & Office, 20m or 30m Length, an Excellent Multi-purpose Tape, **다용도 테이프**

∗ Clear & Transparent Material of the Tape, Moisture Resistant, Long Lasting Adhesion, Most Commonly Used in Office.
∗ A Great Value for General Purpose for Bonding, Mending, Sealing, Wrapping.
∗ With a Refillable Dispenser.

〈B4〉

		Pk.	Price, ₩	Cs.	Price, ₩
3M.02.6009	"522D" Multiuse Tape, Dispenser set, w12mm×L20m	1roll	1,190	144pk	
3M.02.6010	"583D" Multiuse Tape, Dispenser set, w18mm×L30m	1roll	3,020	144pk	
3M.02.6011	Multiuse Tape, Refill Tape, w12mm×L20m	1roll	1,400	144pk	
3M.02.6012	, w18mm×L30m	1roll	2,330	144pk	

, Paper Shredders 문서세단기



SINDOH Techno® High-Performance Paper Shredder, Slim-style, for Office & Private User, Cross Cut
For Document Shredding, Low Noise 50dB, Slice Size 2×9mm, Storage Capa. 20Lit, **소형 문서세단기**

∗ Outstanding Performance.
∗ Slice Size : 2×9mm
∗ Good for Office Personal Document Shredding
∗ Low Noise : 50dB.
∗ Available Continuous Operation Time : 10min.
∗ Storage Capacity : 20Lit

〈B5〉

Model	HI-CUT 770
Slot Size / Slice Size	220mm (A4 Paper Size) / 2×9 mm
Max. Input Capacity Once & Max. Continuous Shredding Available Sheet	7 Sheet / About 350 Sheet
Available Continuous Operation Time & Shredding Speed (A4, 1Sheet)	10min. / 9sec
Noise	50 dB
Storage Capacity	Available A4 230 Sheet (20Lit)
Product Size(mm) & Weight	354×257×h575 / 13kg

		Ea.	Price, ₩
S12.770	Office Paper Shredder, Slim-type, 354×257×h575mm		368,930

Zetstream® Permanent Ballpoint Pen, 0.38 & 0.5mm Tip
Oil Based, Black · Blue · Red, 유성볼펜



■ ***Supplied by DAIHAN Korea***
* Soft with Good Grip

〈B4〉

		Ea.	Price,₩
DH.Off1001	Pen, 0.38mm, Black		1,400
DH.Off1002	, Blue		1,400
DH.Off1003	, Red		1,400
DH.Off1005	Pen, 0.5mm, Black		1,400
DH.Off1006	, Blue		1,400
DH.Off1007	, Red		1,400

Permanent Ballpoint Pen, Oil Based, 1.0mm Tip
With Hanging Hook, Black · Blue · Red, 스틱형 유성볼펜



* Consistent Ink Flow
* with Hanging Hook

〈B4〉

		Ea. Price,₩	Pk.	Price,₩
DH.Off1027	Ballpoint Pen, 1.0mm, Black	400	12ea	
DH.Off1028	, Blue	400	12ea	
DH.Off1029	, Red	400	12ea	

Zetstream® Tri-color Permanent Ballpoint Pen, 0.5 & 0.7mm Tip
Black · Blue · Red, With Hanging Hook, 3색 볼펜

(1)
(2)


■ ***Supplied by DAIHAN Korea***
* Useful for Home, Office & School
* Oil Based

〈B4〉

		Ea.	Price,₩
DH.Off1011	(1) Pen, Tricolor, 0.5mm, White Housing		4,640
DH.Off1012	(2) , 0.7mm, Clear Housing		4,640

Pentel® Ain® Eraser, Easy to Erase, 지우개



■ ***Supplied by DAIHAN Korea***
* Less Abrasion and Dust Enable Longer Use and Keep the Desk Clean

〈B4〉

		Ea.	Price,₩
DH.Off3015	Eraser, 43×18×12mm, Small		640
DH.Off3016	, 65×26×13mm, Medium		970

Staedtler® Pencil Sharpener
2-hole, 연필깎이



■ ***Made in Germany***

〈B4〉

		Ea.	Price,₩
S15.A06665	Pencil Sharpener, 2-hole		3,750

Permanent Ballpoint Pen, Oil Based, 0.7mm Tip
With Hanging Hook, Black · Blue · Red, 유성볼펜



■ ***Supplied by DAIHAN Korea***
* Consistent Ink Flow
* with Hanging Hook

〈B4〉

		Ea. Price,₩	Pk.	Price,₩
DH.Off1024	Ballpoint Pen, 0.7mm, Black	310	12ea	
DH.Off1025	, Blue	310	12ea	
DH.Off1026	, Red	310	12ea	

Monami® Water-based Plus Pen, Odorless, 0.2mm Fine Tip
For Underline & Writing, Quick Drying, 수성 플러스 펜



* Smooth Writing
* Consistent Ink Flow

〈B4〉

		Ea. Price,₩	Pk.	Price,₩
M9.A03853	Plus Pen, water-based, Black	350	12ea	
M9.A03854	, Blue	350	12ea	
M9.A03855	, Red	350	12ea	

Mechanical Pencil, Sharp Lead Φ0.5mm
For Drawing/Office, L142mm, 8g, 제도샤프

NEW



〈B4〉

		Ea.	Price,₩
DH.Off1035	Mechanical Pencil, Lead, Φ0.5mm		680

Lead for Mechanical Pencil, B & HB, 0.5mm, 샤프심


(1) (2)

■ ***Supplied by DAIHAN Korea***

〈B4〉

		Pk.	Price,₩
DH.Off3061	(1) Lead, B , 0.5mm	17ea	640
DH.Off3066	(2) , HB, 0.5mm	17ea	640

Amos® Pencil-sharpener, Mechanical-type
With Desk Fixed Device, 기계식 연필깎이



* Easy to Use
* Special Steel Blade
* 60×70×h100mm
* Small Size Simple Design

〈B4〉

		Ea.	Price,₩
A5.3901	Pencil-sharpener Mechanical		8,740

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



Simport® Write-ON™ Lab Marker Pen, for High-Temperature and Solvents, 0.5mm Tip
Specially Useful for Histology Marking, Black, 195℃, <Italy-Made> 고온/솔벤트용 마킹펜

* Excellent Resistant to Solvents and High-Temperature up to 195℃.
* Ink will dry almost instantly. * Good for Histology Cassette.

〈L1〉

Cat. No	Description	Ea. Price,₩	Cs.	Price, ₩
SP.M495.12	Pen, Marker, for High-Temp, 0.5mm Tip, Black	9,600	12ea	109,580



Camlab® Biotech Marker Pen, for Low-Temperature up to −135℃, 0.5mm Tip
For Especial Use "Write-On-PE and PP", <UK-Made> 저온 Bio용 마킹펜

* High Quality Biotech Marker for Ultra-Low-Temperature
* Special, Quick Drying, Smear Resistant ink
* It can be Storage at low temperature.
* Manufactured Especially for Use with Polyethylene and Polypropylene

〈L1〉

Cat. No	Description	Ea. Price,₩	Pk.	Price, ₩
CL.1158970	Pen, Marker, for Low-Temp, 0.5mm Tip, Black	12,070	10ea	120,250

Monami® 0.7mm Sign Pen, Black · Blue · Red, 사인펜



■ *Made in Korea*
■ *Water-based, for Guestbook / Sign*

〈B4〉

Cat. No	Description	Ea. Price,₩	Pk.	Price,₩
M9.A03856	Sign pen, Black	270	12ea	
M9.A03857	, Blue	270	12ea	
M9.A03858	, Red	270	12ea	

Amos® Twin Tip Highlighter Pen, Water-based, 3mm & 0.3mm
For Office, Bank & School, 수성 양방향 형광펜



* Twin-type Tips : 3mm & 0.3mm
* Anti-abrasion * Easy to Dry
* with Hanging Hook

〈B4〉

Cat. No	Description	Ea. Price,₩	Pk.	Price,₩
A5.3021	Highlighter Pen, Lumi-liner, Yellow	300	12ea	
A5.3022	, Orange	300	12ea	
A5.3023	, Green	300	12ea	
A5.3024	, Blue	300	12ea	

Monami® Permanent Board Marker Pen, Low Odor, 2mm Round Tip
Ideal for Whiteboard, Quick Drying, 유성 화이트보드 마카



■ *Made in Korea*
* Non-toxic Safety Pen
* Good for Whiteboard (Easy Erasing)

〈B4〉

Cat. No	Description	Ea. Price,₩	Pk.	Price,₩
M9.A03897	Board Marker Pen, Black	720	12ea	
M9.A03898	, Blue	720	12ea	
M9.A03899	, Red	720	12ea	

Monami® Namepen, Oil-based, 0.4~1.8mm Tip, 유성 네임펜



■ *Made in Korea*

〈B4〉

A18384 · A18385 · A18386

Cat. No	Description	Ea.	Price,₩
M9.A15533	Name Pen, 0.4mm tip, Black		720
M9.A18382	, Blue		720
M9.A18383	, Red		720
M9.A47457	, 1.0mm tip, Black		720
M9.A47458	, Blue		720
M9.A47459	, Red		720
M9.A18384	, 1.8mm tip, Black		800
M9.A18385	, Blue		800
M9.A18386	, Red		800

Monami® Oil-based Bottle Magic Pen, 4mm Tip, 유성 병매직



■ *Made in Korea*

〈B4〉

Cat. No	Description	Ea.	Price,₩
M9.A03883	Pen, Black		1,200
M9.A03884	, Blue		1,200
M9.A03885	, Red		1,200

Board Marker Eraser, 보드마카 지우개



■ *Supplied by DAIHAN Korea*
* 140×58×h60mm

〈B4〉

Cat. No	Description	Ea. Price,₩	Pk.	Price,₩
DH.Off3022	Eraser, for white Board	540	10ea	

Articles	Cat. No	Description



3M® Post-it® Note, Yellow & Sky Blue, Various Size
Ideal for Temporary Memo, Re-stickable, **메모지**

〈B4〉

∗ Adhesion is Maintained : Several Times Attached & Removed.

			Pk.	Price, ₩	Cs.	Price, ₩
3M.02.4001	(1)	Post-it, 51×38mm , 100sheet×2pad(Yellow + Sky Blue)	2ea	1,550	270pk	
3M.02.4002	(2)	, 51×76mm , 100sheet, Yellow	1ea	1,480	270pk	
3M.02.4003		, 51×76mm , 100sheet, Sky Blue	1ea	1,480	270pk	
3M.02.4004	(3)	, 76×76mm , 100sheet, Yellow	1ea	2,050	180pk	
3M.02.4005		, 76×76mm , 100sheet, Sky Blue	1ea	2,050	180pk	
3M.02.4006	(4)	, 102×76mm, 100sheet, Yellow	1ea	2,200	120pk	
3M.02.4007		, 102×76mm, 100sheet, Sky Blue	1ea	2,200	120pk	
3M.02.4008	(5)	, 127×76mm, 100sheet, Yellow	1ea	2,510	120pk	



3M® Post-it® Page Marker-set, 50×15mm, 100 Sheet×5Pads
With 5Color Pads, **색 페이지마커 세트**

〈B4〉

∗ Multi-use : Page Marker & Note.

		Pk.	Price, ₩	Cs.	Price, ₩
3M.02.4016	Post-it, Page Marker, 50×15mm, 100Sheets×5Color Set	1ea	1,940	270pk	

, *Punches and Fasteners 펀치 & 책철*



2Pcs Power Drill Set, with PP Handle, Total L165mm
Ideal for Making Hole, L75mm, **2종 송곳세트**

〈B1〉

■ ***Supplied by DAIHAN Korea***

∗ Stainless-steel / PP ∗ Easy to Use, Excellent Durability ∗ with Sharp Edge.

		Set.	Price, ₩
DH.Too8002	Power Drill Set, 2pcs/set	2ea	1,540


(1) W1.P01L


(2) W1.P02M


(3) W1.P02F


(4) W1.P02P

Whashin® Punch, 1 & 2Holes, Durable
For Clean Cutting Surface, Possible Perforation with Less Power, **펀치**

〈B4〉

(1) 1-hole Punch

		Ea.	Price, ₩
W1.P01L	1-hole Punch, Large, Recommend 25 Sheet, 32×120×h115mm		3,590
	※Color is Random (Charcoal · Grey · Navy · White)		

(2)~(4) 2-hole Punch

		Ea.	Price, ₩
W1.P02M	(2) 2-hole Punch, Recommend 25 Sheet, Perforated Interval 70 or 80mm, 103×133×h70mm, Beige Color		10,140
W1.P02F	(3) 2-hole Punch, Recommend 25 Sheet, Perforated Interval 30~130mm Adjustable, 182×120×h109mm ***New***		10,320
	※Color is Random (Charcoal · Grey · Navy · White)		
W1.P02P	(4) 2-hole Power Punch, Recommend 200 Sheet, Perforated Interval 70mm, 182×120×h109mm, Beige Color ***New***		148,920

※ The Price(VAT is extra) for Korean End-user, and Changeable.



L175 ~ 300mm, Paper Scissors

Bochem® Paper Scissors, for Cutting Paper, with Sharp-Sharp Tip, L175~300mm
Stainless-steel 430, Finished Surface, Rustproof, **페이퍼용 가위**

■ ***Supplied by Bochem® in Germany***

〈L1〉

		Ea. Price, ₩
BC.4160	Paper Scissors, Sharp Tips, SS, L175mm, Blade L80mm	24,200
BC.4161	, L200mm, Blade L95mm	27,240
BC.4163	, L250mm, Blade L135mm	49,680
BC.4165	, L300mm, Blade L170mm	78,590



(1) (2) (3)

Office Scissors, Excellent & Smooth Cutting, Easy Grip, Durable, **뛰어난 내구성의 가위**

∗ Polyurethane Coated Handle : Non-slip & High Work Efficiency
∗ The blade is NC Polished : Crossing Angle is Consistent
∗ Good Handle Grip : No Fatigue.

〈B4〉

		Pk.	Price, ₩	Cs.	Price, ₩
W1.704	(1) Office Scissors, Urethane Handle, L188mm, 37g	1ea	1,620	10pk	14,900
W1.711	(2) , Fine Polishing , L254mm, 313g	1ea	3,870	10pk	35,740
W1.754	(3) , Original , L175mm, 30g	1ea	980	20pk	17,890

, Staplers 스테플러



Peace® Office Stapler, Trouble-free, 사무용 스테플러

■ ***Made in Korea***

〈B4〉

(1) Small Stapler

		Pk.	Price, ₩
DH.Off3031	① Small Stapler, 20×95×h43mm Loading 50pcs No.10 Staple(W1.010)	1ea	3,640
DH.Off3032	② Small Stapler, 21×120×h49mm Loading 100pcs No.33 Staple(W1.033) ***New***	1ea	5,960

(2) Medium Stapler

		Pk.	Price, ₩
DH.Off3033	③ Medium Stapler, 35×123×h50mm Loading 100pcs No.33 Staple(W1.033)	1ea	6,620
DH.Off3034	④ Medium Stapler, 33×137×h60mm Loading 100pcs No.33 Staple(W1.033) ***New***	1ea	8,620

(3) Large Stapler

		Pk.	Price, ₩
DH.Off3035	⑤ Large Stapler, 42×196×h61mm Loading 200pcs No.33 Staple(W1.033)	1ea	10,600
DH.Off3036	⑥ Large Stapler, 40×180×h60mm Loading 200pcs No.33 Staple(W1.033) ***New***	1ea	11,920



W1.033

General-type

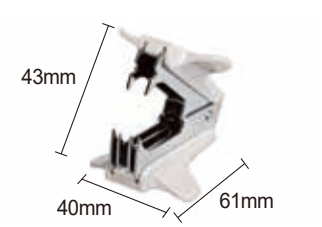
Whashin® No.10 & No.33 Staple, For Staplers
High Carbon Steel, Excellent Penetration, **스테플러 침**

■ ***Made in Korea*** ■ ***Made of High Carbon Steel Wire For Strength and Durability.***

∗ Powerful Adhesiveness and Accurate Quantity.

〈B4〉

		Pk.	Price,₩	Cs.	Price, ₩
W1.010	Staple, No.10, for 15Sheet Copy Paper, w9.4×h4.8×L25.6mm	1000ea	400	20pk	7,160
W1.033	, No.33, for 25Sheet Copy Paper, w12.8×h5.8×L54mm	5000ea	2,130	10pk	19,660



Whashin® Staple Remover, for No.10 & No.33 Staple, 제침기

■ ***Made in Korea*** ∗ Used Semipermanent Spring : Excellent Durability
∗ Not to Tear the Paper & Staple is Not broken when Using

〈B4〉

		Pk.	Price,₩	Cs.	Price, ₩
W1.R01	Staple Remover, 40×61×h43mm	1ea	1,200	12pk	13,890

Articles	Cat. No	Description



(1) Teflon FEP

Fluoro-FEP and Silicone O-ring, for Flange of Reaction Vessel, −200℃+205℃(FEP), −50℃
Ideal for Vacuum Seals, Reagent/Heat-resistant, 반응조용 O-링

■ ***Supplied by SciLab Korea*** ■ ***Ideal for Vacuum Seals of Reactor Flange / Groove.***
■ ***Suited for DN-standard Flange Groove.*** ∗ Fluoro-Copolymer FEP : Excellent Chemical / Temp-resistance.

(1) SciLab® Teflon FEP(Silicone Inserted) O-ring, Red, −200℃+205℃

〈L1〉

		Ea.	Price, ₩
SL.ORi4014	Flask, O-ring, FEP, DN 60 , id Φ75×thick 4 mm		26,330
SL.ORi4015	, DN 100, id Φ110×thick 4 mm		27,000
SL.ORi4016	, DN 120, id Φ133×thick 4 mm		29,480
SL.ORi4017	, DN 150, id Φ157×thick 5 mm		44,550
SL.ORi4018	, DN 200, id Φ215×thick 5 mm		53,100



(2) Silicone

(2) SciLab® Silicone O-ring, Red, −50℃+200℃

		Ea.	Price, ₩
SL.ORi6011	Flask, O-ring, Sili., DN 60 , id Φ75×thick 4 mm		4,950
SL.ORi6012	, DN 100, id Φ110×thick 4 mm		4,950
SL.ORi6013	, DN 120, id Φ133×thick 4 mm		1,800
SL.ORi6014	, DN 150, id Φ157×thick 5.3 mm		3,380
SL.ORi6015	, DN 200, id Φ215×thick 5.3 mm		5,970

Silicone and Viton O-Ring, Red and Black, ID2.8~249.5mm, Autoclavable
With Heat · Cold · Chemical · Oil-Resistant, −50℃+230℃, 실리콘과 바이톤 오링

(1) Silicone O-Rings, Red, ID2.8~249.5mm, −50℃+200℃

∗ Made in Korea
∗ Good Sealing & Flexibility



〈L1〉

Cat. No.	O-Ring Size IDΦ×Thickness(mm)	O-Ring Number	Pk. Price, ₩	
A4.SP003	id.Φ2.8×Thick 1.9mm	P-3	10ea	1,500
A4.SP004	id.Φ3.8×Thick 1.9mm	P-4	10ea	1,500
A4.SP005	id.Φ4.8×Thick 1.9mm	P-5	10ea	1,500
A4.SP006	id.Φ5.8×Thick 1.9mm	P-6	10ea	1,500
A4.SP007	id.Φ6.8×Thick 1.9mm	P-7	10ea	1,880
A4.SP008	id.Φ7.8×Thick 1.9mm	P-8	10ea	1,880
A4.SP009	id.Φ8.8×Thick 1.9mm	P-9	10ea	2,250
A4.SP010	id.Φ9.8×Thick 1.9mm	P-10	10ea	2,820
A4.SP010A	id.Φ9.8×Thick 2.4mm	P-10A	10ea	3,750
A4.SP011	id.Φ10.8×Thick 2.4mm	P-11	10ea	3,750
A4.SP011.2	id.Φ11.0×Thick 2.4mm	P-11.2	10ea	3,750
A4.SP012	id.Φ11.8×Thick 2.4mm	P-12	10ea	4,130
A4.SP012.5	id.Φ12.3×Thick 2.4mm	P-12.5	10ea	4,130
A4.SP014	id.Φ13.8×Thick 2.4mm	P-14	10ea	4,690
A4.SP015	id.Φ14.8×Thick 2.4mm	P-15	10ea	4,690
A4.SP016	id.Φ15.8×Thick 2.4mm	P-16	10ea	4,690
A4.SP018	id.Φ17.8×Thick 2.4mm	P-18	10ea	5,630
A4.SP019	id.Φ18.8×Thick 2.4mm	P-19	10ea	5,630
A4.SP020	id.Φ19.8×Thick 2.4mm	P-20	10ea	6,000
A4.SP030	id.Φ29.7×Thick 3.5mm	P-30	10ea	6,570
A4.SP040	id.Φ39.7×Thick 3.5mm	P-40	10ea	10,320
A4.SP050	id.Φ49.6×Thick 5.7mm	P-50	10ea	12,190
A4.SP060	id.Φ59.6×Thick 5.7mm	P-60	10ea	19,990
A4.SP075	id.Φ74.6×Thick 5.7mm	P-75	10ea	37,500
A4.SP110	id.Φ109.6×Thick 5.7mm	P-110	5ea	18,750
A4.SP132	id.Φ131.6×Thick 5.7mm	P-132	5ea	22,500
A4.SP150A	id.Φ149.5×Thick 8.4mm	P-150A	5ea	37,500
A4.SP155	id.Φ154.5×Thick 8.4mm	P-155	5ea	28,130
A4.SP200	id.Φ199.5×Thick 8.4mm	P-200	5ea	61,880
A4.SP250	id.Φ249.5×Thick 8.4mm	P-250	5ea	65,630

(2) Viton O-Rings, Black, ID2.8~19.8mm, −50℃+230℃

∗ Made in Korea
∗ Good Chemical Resistances Temperature



Cat. No.	O-Ring Size IDΦ×Thickness(mm)	O-Ring Number	Pk. Price, ₩	
A4.VP003	id.Φ2.8×Thick 1.9mm	P-3	10ea	3,750
A4.VP004	id.Φ3.8×Thick 1.9mm	P-4	10ea	3,750
A4.VP005	id.Φ4.8×Thick 1.9mm	P-5	10ea	4,690
A4.VP006	id.Φ5.8×Thick 1.9mm	P-6	10ea	3,750
A4.VP007	id.Φ6.8×Thick 1.9mm	P-7	10ea	5,630
A4.VP008	id.Φ7.8×Thick 1.9mm	P-8	10ea	5,630
A4.VP009	id.Φ8.8×Thick 1.9mm	P-9	10ea	5,630
A4.VP010	id.Φ9.8×Thick 1.9mm	P-10	10ea	6,570
A4.VP010A	id.Φ9.8×Thick 2.4mm	P-10A	10ea	7,500
A4.VP011	id.Φ10.8×Thick 2.4mm	P-11	10ea	7,500
A4.VP011.2	id.Φ11.0 × Thick 2.4mm	P-11.2	10ea	7,500
A4.VP012	id.Φ11.8 × Thick 2.4mm	P-12	10ea	9,380
A4.VP012A	id.Φ12.0 × Thick 3.0mm	-	10ea	18,750
A4.VP012.5	id.Φ12.3 × Thick 2.4mm	P-12.5	10ea	8,440
A4.VP014	id.Φ13.8 × Thick 2.4mm	P-14	10ea	11,250
A4.VP015	id.Φ14.8 × Thick 2.4mm	P-15	10ea	11,250
A4.VP016	id.Φ15.8 × Thick 2.4mm	P-16	10ea	11,630
A4.VP018	id.Φ17.8 × Thick 2.4mm	P-18	10ea	12,190
A4.VP019	id.Φ18.8 × Thick 2.4mm	P-19	10ea	11,250
A4.VP020	id.Φ19.8 × Thick 2.4mm	P-20	10ea	13,130

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Ovens

General Purpose, Forced-air ..... P. 536~537
, Forced-air, SMART ..... P. 538~539
, Gravity-air ..... P. 540~541
, Gravity-air, SMART ..... P. 542~543
High Clean Air ..... P. 544
Industrial/Large-capacity ..... P. 545
Vacuum, Gas Exchangeable ..... P. 546
, Gas Exchangeable, SMART-type ..... P. 547
, Pumps for Vacuum Ovens ..... P. 599



Gravity-air Oven
"SON-105"



Vacuum Oven
"SOV-70"



Controlled by Mobile-Phone



Industrial Oven
"WOF-L1000"



Hi-clean Air Oven
"WOC-560"

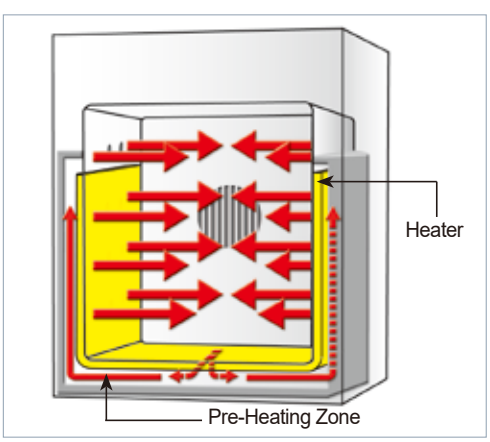
DAIHAN® Forced-air Drying Oven "OF", 3-Side Heating Zone, 50 · 105 · 155 · 305 Lit, up to 250℃, ±0.3℃

With Wire Shelves, Digital PID Control, Jog-Dial & Push Button, Digital LCD, with Back-light, Pre-Heating Zone, Certi. & Traceability

강제 순환식 정밀 건조기/오븐, 고정밀 디지털 퍼지 제어, 우수한 온도 정확성/균일성



(1) Standard Model, Forced-air Oven



3-Side Heating Zone Forced-air Mechanism :
The Best Temp Uniformity & Accuracy by High Performance Heating Mechanism
(Exclude OF-305, OF-W305)



Perfect Door Lock by Double Latch

- ***Supplied by DAIHAN Korea***
- ***UL, CUL, and CE Certified(Exclude 305Lit-model)***
- ***GD(Good Design)-mark***
- ***PL(Product Liability) Insurance***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
- ***3-Side Heating Zone : The Best Temp Uniformity & Accuracy by High Performance Heating Mechanism***
- ***Digital PID Control System Implementing Superior Temperature Accuracy***
- ***Optimized Air Flow by Forced-air Mechanism***
- ***Patented Jog-Dial Control System***

∗ Suitable for Drying, Baking, Conditioning, Curing, Pre-Heating and Aging
∗ Compact New Body Design ∗ Alarm Function : Error status and Timer-end
∗ RS232C Interface for Monitoring and Controlling with PC
∗ Ambient 5℃~250℃ Range with Fluctuation of ±0.3℃ at 100℃
∗ Locking Mode Supported for Experimental Safety (Input to Jog-Dial can be disabled)

Specification

Spec. \ Model		(1) Standard Model			
		"OF-50" Max. Capa. 50L	"OF-105" Max. Capa. 105L	"OF-155" Max. Capa. 155L	"OF-305" Max. Capa. 305L
		(2) Window Model			
		-	"OF-W105"	"OF-W155"	"OF-W305"
Capacity		50 Lit	105 Lit	155 Lit	305 Lit
Dimension (w×d×h)	Interior (mm)	370×345×420	485×415×535	550×480×600	550×470×1,180
	Exterior (mm)	518×647×724	653×712×882	718×777×947	721×777×1,619
Heater Power		650 W	1.4 kW	1.6 kW	3.4 kW
Temp	Range	Room Temp +5℃~250℃			
	Fluctuation	±0.3℃ at 100℃, ±0.5℃ at 150℃			
	Variation	±1℃ at 100℃, ±1.8℃ at 150℃		±1℃ at 100℃, ±2℃ at 150℃	
	Sensor	PT 100			
Control Resolution		±1℃			
Heat-up Time		25 min. to 100℃, 45 min. to 150℃		25 min. to 100℃, 40 min. to 150℃	
Recovery Time (Door open 30sec)		8 min. to 100℃, 8 min. to 150℃	6 min. to 100℃, 6 min. to 150℃		
Controller		Digital PID Control by Advanced Microprocessor Jog-Dial with Push Button			
RS232 Port		Available to connect with PC			
Display		Digital LCD with Back Light			
Timer		99hr 59 min (delay/continuous function)			
Storage		Temperature and Timer setting values			
Material	Internal	Stainless-steel (#304), Corrosion Resistant			
	External	Powder Coated steel			
	Insulation	Glass Wool			
Shelf (included)		2 Wire Shelf			3 Wire Shelf
		Load per Stainless-steel Wire Shelf : 16kg			
Ventilation		Ventilation hole with Stainless-steel Cap, Hole Diameter 40mm			
		1ea	2ea		3ea
Circulation		Forced-air Type			
Safety device		Over Temp and Over Current Protector, Sensor Error Detector			
Alarm		Error Status and Timer-end			
Net Weight (kg)		44	69	78	159
Packing Size (w×d×h)(mm)		622×754×807	743×819×1,068	808×884×1,133	1,000×1,000×1,870
Shipping Weight (kg)		59	79	92	219
Power Consumption		674 W	1390 W	1566 W	3200 W
Energy Consumption, at 100℃		117 Wh	187 Wh	204 Wh	-
, at 150℃		230 Wh	337 Wh	398 Wh	-
Electric Reqts.		120V, 60Hz or 230V, 50/60Hz			

∗ **Other Specifications are available upon Customer's Request.**

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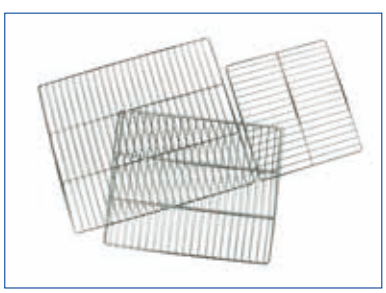
<*Continued From...*DAIHAN® Forced-air Drying Oven "OF">



(2) Window Model, Forced-air Oven



Stainless-steel Wire Shelf (Included)



WiseRemote Control Software :
Connection of Temperature Devices with Interface RS232C to a PC

* You can Download this Software at DAIHAN-Sci.com Shopping-mall

Ordering Information

※ 운임 별도 〈L1〉

(1) Standard Model, Forced-air, with Wire Shelf

		Ea. Price, ₩
DH.WOF05050	Oven, Standard, 230V, 50 Lit, **"OF-50"**	1,808,000
DH.WOF05105	, 105 Lit, **"OF-105"**	2,112,000
DH.WOF05155	, 155 Lit, **"OF-155"**	2,303,000
DH.WOF05305	, 305 Lit, **"OF-305"**	3,927,000
DH.WOF06050	Oven, Standard, 120V, 50 Lit, **"OF-50"**	1,808,000
DH.WOF06105	, 105 Lit, **"OF-105"**	2,112,000
DH.WOF06155	, 155 Lit, **"OF-155"**	2,303,000
DH.WOF06305	, 305 Lit, **"OF-305"**	3,927,000

(2) Built in Viewing Window Model, Forced-air, with Wire Shelf

		Ea. Price, ₩
DH.WOF07105	Oven, Window, 230V, 105 Lit, **"OF-W105"**	2,247,000
DH.WOF07155	, 155 Lit, **"OF-W155"**	2,368,000
DH.WOF07305	, 305 Lit, **"OF-W304"**	4,008,000
DH.WOF08105	Oven, Window, 120V, 105 Lit, **"OF-W105"**	2,247,000
DH.WOF08155	, 155 Lit, **"OF-W155"**	2,368,000
DH.WOF08305	, 305 Lit, **"OF-W305"**	4,008,000

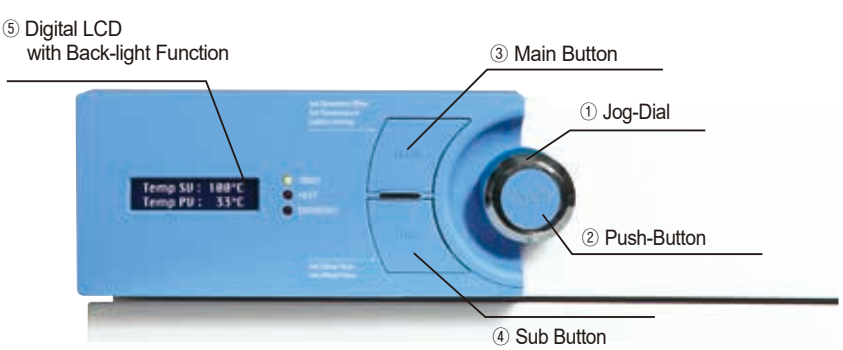
Spare Stainless-steel Wire Shelf

		Ea. Price, ₩
DH.WOF11050	Wire Shelf, for 50 Lit, **"OFS050",** w340×d310mm	30,000
DH.WOF11105	, for 105 Lit, **"OFS105",** w455×d375mm	33,800
DH.WOF11155	, for 155-/305-Lit, **"OFS155",** w520×d440mm	37,500

Forced-air Oven with Validation (IQ, OQ) Service

		Ea. Price, ₩
DH.WOF31050	Validation Service(IQ, OQ), with "OF-50", **"OFV1050"**	
DH.WOF31105	, with "OF-105", **"OFV1105"**	
DH.WOF31155	, with "OF-155", **"OFV1155"**	
DH.WOF32105	, with "OF-W105", **"OFV2105"**	
DH.WOF32155	, with "OF-W155", **"OFV2155"**	

» New Jog-Dial Controller



- Provides the user interface with an ergonomic design for users to operate in an easy and convenient way.
- A new 2-way Jog-Dial Knob (Jog Dial + Push Button) and presents excellent durability and mobility.
- High-quality LCD with Back-light function.
- A durable Main Button and a Sub Button that features superb and user-friendly operation.

DAIHAN® SMART Forced-air Drying Oven "SOF", 3-Side Heating Zone, 50 · 105 · 155 · 305 Lit

With Smart-Lab™ Controller, 4″ Full Touch Screen TFT LCD, Fuzzy-PID Control, WiRe™ Service, Certi. & Traceability, up to 250℃, ±0.3℃

스마트 강제 순환식 정밀 건조기/오븐, 우수한 온도 정확성/균일성, WiRe™서비스, 4인치 풀터치스크린 조절기

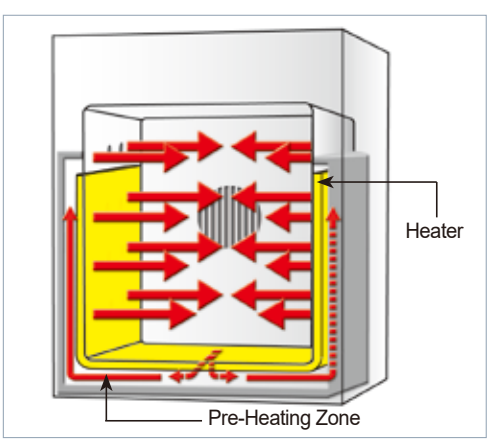


(1) SMART Model, Forced-air Oven

- ■ *Supplied by DAIHAN Korea*
- ■ *UL, CUL, and CE Certified(Exclude 305 Lit-model)*
- ■ *GD(Good Design)-mark*
- ■ *PL(Product Liability) Insurance*
- ■ *with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System*
- ■ *3-Side Heating Zone : The Best Temp Uniformity & Accuracy by High Performance Heating Mechanism*
- ■ *Digital Fuzzy Control System Implementing Superior Temperature Accuracy*
- ■ *Optimized Air Flow by Forced-air Mechanism*
- ■ *Smart-Lab™ Controller WiRe™ App Service*
  - Automatic Data Recording
  - Self-Diagnostic Function
  - Variable Program Setting for Multiple Patterns with Multiple Segments
  - Internet Connectivity with WiFi
  - Controller SW can be upgraded through USB port.
  - The Recorded Data could be transferred to PC by USB memory
  - RS232C Interface for Monitoring and Controlling with PC

∗ Ambient +5℃ to 250℃ of Temp Range, Fluctuation of ±0.3℃ at 100℃

∗ Suitable for Drying, Baking, Conditioning, Curing, Pre-Heating and Aging



3-Side Heating Zone Forced-air Mechanism :
The Best Temp Uniformity & Accuracy by High Performance Heating Mechanism
(Exclude SOF-305, SOF-W305)



Perfect Door Lock by Double Latch

Specification

Spec. \ Model		(1) SMART Model			
		"SOF-50" Max. Capa. 50L	"SOF-105" Max. Capa. 105L	"SOF-155" Max. Capa. 155L	"SOF-305" Max. Capa. 305L
		(2) SMART-Window Model			
		-	"SOF-W105"	"SOF-W155"	"SOF-W305"
Capacity		50 Lit	105 Lit	155 Lit	305 Lit
Dimension (w×d×h)	Interior (mm)	370×345×420	485×415×535	550×480×600	550×470×1,180
	Exterior (mm)	518×647×724	653×712×882	718×777×947	721×777×1,619
Heater Power		650 W	1.4 kW	1.6 kW	3.4 kW
Temp	Range	Room Temp +5℃~250℃			
	Fluctuation	±0.3℃ at 100℃, ±0.5℃ at 150℃			
	Variation	±1℃ at 100℃, ±1.8℃ at 150℃		±1℃ at 100℃, ±2℃ at 150℃	
	Sensor	PT 100			
Control Resolution		±1℃			
Heat-up Time		25 min. to 100℃, 45 min. to 150℃		25 min. to 100℃, 40 min. to 150℃	
Recovery Time (Door open 30sec)		8 min. to 100℃, 8 min. to 150℃	6 min. to 100℃, 6 min. to 150℃		
Controller		Smart-Lab™ Controller			
RS232 Port		Available to connect with PC			
Display		4″ Full Touch Screen TFT LCD			
Timer		99hr 59min (delay/continuous function)			
Storage		Temperature and Timer setting values			
Material	Internal	Stainless-steel (#304), Corrosion Resistant			
	External	Powder Coated steel			
	Insulation	Glass Wool			
Shelf (included)		2 Wire Shelf			3 Wire Shelf
		Load per Stainless-steel Wire Shelf : 16kg			
Ventilation		Ventilation hole with Stainless-steel Cap, Hole Diameter 40mm			
		1ea	2ea		3ea
Circulation		Forced-air Type			
Safety device		Over Temp and Over Current Protector, Sensor Error Detector			
Alarm		Error Status and Timer-end			
Net Weight (kg)		44	69	78	159
Packing Size (w×d×h)(mm)		622×754×807	743×819×1,068	808×884×1,133	1,000×1,000×1,870
Shipping Weight (kg)		59	79	92	219
Power Consumption		674 W	1390 W	1566 W	3200 W
Energy Consumption, at 100℃		117 Wh	187 Wh	204 Wh	-
, at 150℃		230 Wh	337 Wh	398 Wh	-
Electric Reqts.		120V, 60Hz or 230V, 50/60Hz			

∗ **Other Specifications are available upon Customer's Request.**

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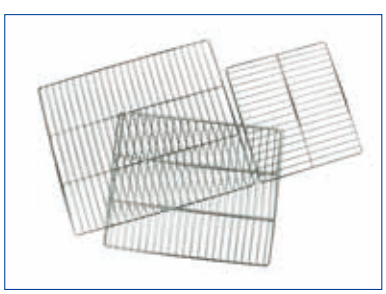
※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description

<*Continued From...*DAIHAN® SMART Forced-air Drying Oven "SOF">



(2) SMART-Window Model, Forced-air Oven



Stainless-steel Wire Shelf (Included)

Ordering Information

※ 운임 별도 〈L1〉

(1) SMART Model, Forced-air, with Wire Shelf

		Ea. Price, ₩
DH.SWOF05050	Oven, Standard, 230V, 50 Lit, **"SOF-50"**	2,394,000
DH.SWOF05105	, 105 Lit, **"SOF-105"**	2,698,000
DH.SWOF05155	, 155 Lit, **"SOF-155"**	2,888,000
DH.SWOF05305	, 305 Lit, **"SOF-305"**	4,517,000
DH.SWOF06050	Oven, Standard, 120V, 50 Lit, **"SOF-50"**	2,394,000
DH.SWOF06105	, 105 Lit, **"SOF-105"**	2,698,000
DH.SWOF06155	, 155 Lit, **"SOF-155"**	2,888,000
DH.SWOF06305	, 305 Lit, **"SOF-305"**	4,517,000

(2) SMART Built in Viewing Window Model, Forced-air, with Wire Shelf

		Ea. Price, ₩
DH.SWOF07105	Oven, Window, 230V, 105 Lit, **"SOF-W105"**	2,757,000
DH.SWOF07155	, 155 Lit, **"SOF-W155"**	2,955,000
DH.SWOF07305	, 305 Lit, **"SOF-W305"**	4,597,000
DH.SWOF08105	Oven, Window, 120V, 105 Lit, **"SOF-W105"**	2,757,000
DH.SWOF08155	, 155 Lit, **"SOF-W155"**	2,955,000
DH.SWOF08305	, 305 Lit, **"SOF-W305"**	4,597,000

Spare Stainless-steel Wire Shelf

		Ea. Price, ₩
DH.WOF11050	Wire Shelf, for 50 Lit, **"OFS050"**, w340×d310mm	30,000
DH.WOF11105	, for 105 Lit, **"OFS105"**, w455×d375mm	33,800
DH.WOF11155	, for 155 / 305 Lit, **"OFS155"**, w520×d440mm	37,500

Forced-air Oven with Validation (IQ, OQ) Service

		Ea. Price, ₩
DH.SWOF31050	Validation Service(IQ, OQ), with "SOF-50", **"SOFV1050"**	
DH.SWOF31105	, with "SOF-105", **"SOFV1105"**	
DH.SWOF31155	, with "SOF-155", **"SOFV1155"**	
DH.SWOF32105	Validation Service(IQ, OQ), with "SOF-W105", **"SOFV2105"**	
DH.SWOF32155	, with "SOF-W155", **"SOFV2155"**	

WiRe™ App Service



4″ Full Touch Screen TFT LCD
(Smart-Lab™ Controller)

It is possible to monitor and control the Smart-Lab™ equipment through all smart phone, tablet without restraint of time and place.



WiRe™ App Service

Controlled by Mobile-Phone

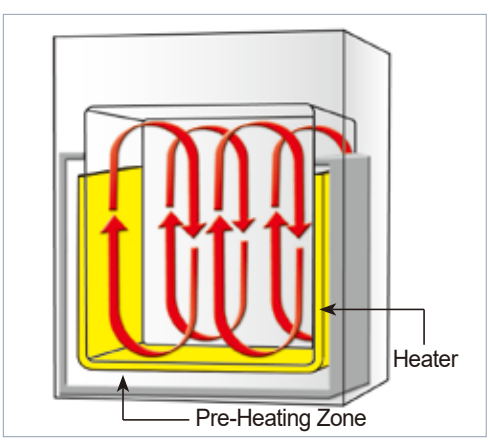
DAIHAN® Gravity-air Drying Oven "ON", 3-Side Heating Zone, 32 · 50 · 105 · 155 Lit, up to 230℃, ±0.5℃

With 2 Wire Shelf, Digital PID Control, Jog-Dial & Push Button, Digital LCD with Back-light, with Certi. & Traceability

자연 대류식 정밀 건조기/오븐, 고정밀 디지털 퍼지 제어, 우수한 온도 정확성



(1) Standard Model, Gravity-air Oven



3-Side Heating Zone : The Best Temp Uniformity & Accuracy by High Performance Heating Mechanism (Gravity-air Mechanism)



Perfect Door Lock by Double Latch

- ***Supplied by DAIHAN Korea*** ■ ***UL, CUL, and CE Certified*** ■ ***GD(Good Design)-mark***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
- ***3-Side Heating Zone : The Best Temp Uniformity & Accuracy by High Performance Heating Mechanism***
- ***Digital PID Control System Implementing Superior Temperature Accuracy***
- ***Optimized Air Flow by Gravity-air Mechanism***
- ***Patented Jog-Dial Control System*** ■ ***PL (Product Liability) Insurance***

* Suitable for Drying, Baking, Conditioning, Curing, Pre-Heating and Aging
* New Jog-Dial with Push Button
* RS232C Interface for Monitoring and Controlling with PC
* Ambient +5℃ to 230℃ Range with Fluctuation of ±0.5℃ at 100℃
* Locking Mode Supported for Experimental Safety (Input to Jog-Dial can be disabled)

Specification

Spec. \ Model		(1) Standard Model			
		"ON-32" Max. Capa. 32L	"ON-50" Max. Capa. 50L	"ON-105" Max. Capa. 105L	"ON-155" Max. Capa. 155L
		(2) Window Model			
		-	-	"ON-W105"	"ON-W155"
Capacity		32 Lit	50 Lit	105 Lit	155 Lit
Dimension (w×d×h)	Interior (mm)	310×290×360	370×350×420	485×409×535	550×474×600
	Exterior (mm)	458×557×664	518×647×724	653×712×882	718×777×947
Heater Power		500 W	650 W	1.4 kW	1.6 kW
Temp	Range	Room Temp +5℃ to 230℃			
	Fluctuation	± 0.5℃ at 100℃, ± 0.6℃ at 150℃			± 0.5℃ at 100℃, ± 0.8℃ at 150℃
	Variation	± 1.2℃ at 100℃, ± 2.2℃ at 150℃			
	Sensor	PT 100			
Control Resolution		±1℃			
Heat-up Time		30 min. to 100℃, 43 min. to 150℃	30 min. to 100℃, 45 min. to 150℃		35 min. to 100℃, 50 min. to 150℃
Recovery Time (Door open 30sec)		8 min. to 100℃, 10 min. to 150℃		10 min. to 100℃, 12 min. to 150℃	
Controller		Digital PID Control by Advanced Microprocessor Jog-Dial with Push Button			
RS232 Port		Available to connect with PC			
Display		Digital LCD with Back Light			
Timer		99hr 59 min (delay/continuous function)			
Storage		Temperature and Timer setting values			
Material	Internal	Stainless-steel (#304), Corrosion Resistant			
	External	Powder Coated steel			
	Insulation	Glass Wool			
Shelf (included)		2 Stainless-steel Wire Shelf, Load per Shelf : 16 kg			
Ventilation		Ventilation hole with Stainless-steel Cap, Hole Diameter 40mm			
		1ea		2ea	
Circulation		Gravity-air Type			
Safety device		Over Temp and Over Current Protector, Sensor Error Detector			
Alarm		Error Status and Timer-end			
Net Weight (kg)		36	44	69	78
Packing Size (w×d×h) (mm)		562×664×747	622×754×807	743×819×1,068	808×884×1,133
Shipping Weight (kg)		43	59	79	92
Power Consumption		502 W	674 W	1390 W	1566 W
Energy Consumption, at 100℃		90 Wh	117 Wh	187 Wh	204 Wh
, at 150℃		181 Wh	230 Wh	337 Wh	398 Wh
Electric Reqts.		120V, 60Hz or 230V, 50/60Hz			

* **Other Specifications are available upon Customer's Request.**

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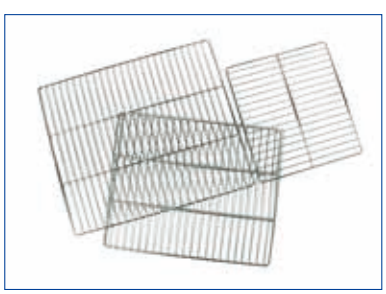
<*Continued From...*DAIHAN® Gravity-air Drying Oven "ON">



(2) Window Model, Gravity-air Oven



Stainless-steel Wire Shelf (Included)



WiseRemote Control Software :

Connection of Temperature Devices with Interface RS232C to a PC

* You can Download this Software at DAIHAN-Sci.com Shopping-mall

Ordering Information

※ 운임 별도 〈L1〉

(1) Standard Model, Gravity-air, with Wire Shelf

		Ea. Price, ₩
DH.WON05032	Oven, Standard, 230V, 32 Lit, **"ON-32"**	1,443,000
DH.WON05050	, 50 Lit, **"ON-50"**	1,542,000
DH.WON05105	, 105 Lit, **"ON-105"**	1,897,000
DH.WON05155	, 155 Lit, **"ON-155"**	2,049,000
DH.WON06032	Oven, Standard, 120V, 32 Lit, **"ON-32"**	1,443,000
DH.WON06050	, 50 Lit, **"ON-50"**	1,542,000
DH.WON06105	, 105 Lit, **"ON-105"**	1,897,000
DH.WON06155	, 155 Lit, **"ON-155"**	2,049,000

(2) Built in Viewing Window Model, Gravity-air, with Wire Shelf

		Ea. Price, ₩
DH.WON07105	Oven, Window, 230V, 105 Lit, **"ON-W105"**	1,952,000
DH.WON07155	, 155 Lit, **"ON-W155"**	2,120,000
DH.WON08105	Oven, Window, 120V, 105 Lit, **"ON-W105"**	1,952,000
DH.WON08155	, 155 Lit, **"ON-W155"**	2,120,000

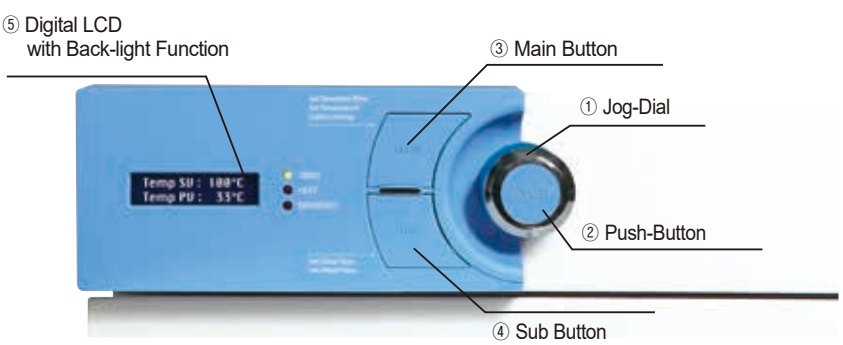
Spare Stainless-steel Wire Shelf

		Ea. Price, ₩
DH.WON11032	Wire Shelf, for 32 Lit., **"ONS032"**, w280×d280mm	28,800
DH.WON11050	, for 50 Lit., **"ONS050"**, w340×d310mm	32,500
DH.WON11105	, for 105 Lit., **"ONS105"**, w455×d375mm	36,300
DH.WON11155	, for 155 Lit., **"ONS155"**, w520×d440mm	40,000

Gravity-air Oven with Validation (IQ, OQ) Service

		Ea. Price, ₩
DH.WON31032	Validation Service(IQ, OQ), with "ON-32", **"ONV1032"**	
DH.WON31050	, with "ON-50", **"ONV1050"**	
DH.WON31105	, with "ON-105", **"ONV1105"**	
DH.WON31155	, with "ON-155", **"ONV1155"**	
DH.WON32105	Validation Service(IQ, OQ), with "ON-W105", **"ONV2105"**	
DH.WON32155	, with "ON-W155", **"ONV2155"**	

New Jog-Dial Controller



- Provides the user interface with an ergonomic design for users to operate in an easy and convenient way.
- A new 2-way Jog-Dial Knob (Jog Dial + Push Button) and presents excellent durability and mobility.
- High-quality LCD with Back-light function.
- A durable Main Button and a Sub Button that features superb and user-friendly operation.

DAIHAN® SMART Gravity-air Drying Oven "SON", 3-Side Heating Zone, 32 · 50 · 105 · 155 Lit

With Smart-Lab™ Controller, 4″ Full Touch Screen, Fuzzy-PID Control, WiRe™ Service, with Certi. & Traceability, up to 230℃, ±0.5℃

스마트 자연 대류식 정밀 건조기/오븐, 우수한 온도 정확성/균일성, WiRe™서비스, 4인치 풀터치스크린 조절기



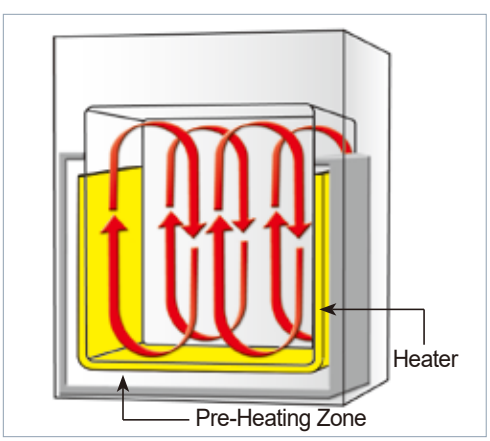
(1) SMART Model, Gravity-air Oven

- ***Supplied by DAIHAN Korea*** ■ ***UL, CUL, and CE Certified*** ■ ***GD(Good Design)-mark***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
- ***3-Side Heating Zone : The Best Temp Uniformity & Accuracy by High Performance Heating Mechanism***
- ***Digital Fuzzy Control System Implementing Superior Temperature Accuracy***
- ***Optimized Air Flow by Gravity-air Mechanism*** ■ ***PL (Product Liability) Insurance***
- ***Smart-Lab™ Controller WiRe™ App Service***
  - Automatic Data Recording - Self-Diagnostic Function
  - Ergonomic Design 4″ Full Touch Screen TFT LCD - Automatic Data Recording
  - Self-Diagnostic Function - Internet Connectivity with WiFi
  - Variable Program Setting for Multiple Patterns with Multiple Segments
  - The Recorded Data could be transferred to PC by USB memory
  - Controller SW can be upgraded through USB port.
  - RS232C Interface for Monitoring and Controlling with PC

∗ Ambient +5℃ to 230℃ of Temp Range, Fluctuation of ±0.5℃ at 100℃

∗ Suitable for Drying, Baking, Conditioning, Curing, Pre-Heating and Aging

∗ Locking Mode Supported for Experimental Safety (Input to Jog-Dial can be disabled)



3-Side Heating Zone : The Best Temp Uniformity & Accuracy by High Performance Heating Mechanism (Gravity-air Mechanism)



Perfect Door Lock by Double Latch

Specification

Spec. \ Model		(1) SMART Model			
		"SON-32" Max. Capa. 32L	"SON-50" Max. Capa. 50L	"SON-105" Max. Capa. 105L	"SON-155" Max. Capa. 155L
		(2) SMART-Window Model			
		-	-	"SON-W105"	"SON-W155"
Capacity		32 Lit	50 Lit	105 Lit	155 Lit
Dimension (w×d×h)	Interior (mm)	310×290×360	370×350×420	485×409×535	550×474×600
	Exterior (mm)	458×557×664	518×647×724	653×712×882	718×777×947
Heater Power		500 W	650 W	1.4 kW	1.6 kW
Temp	Range	Room Temp +5℃ to 230℃			
	Fluctuation	± 0.5℃ at 100℃, ± 0.6℃ at 150℃			± 0.5℃ at 100℃, ± 0.8℃ at 150℃
	Variation	± 1.2℃ at 100℃, ± 2.2℃ at 150℃			
	Sensor	PT 100			
Control Resolution		±1℃			
Heat-up Time		30 min. to 100℃, 43 min. to 150℃	30 min. to 100℃, 45 min. to 150℃		35 min. to 100℃, 50 min. to 150℃
Recovery Time (Door open 30sec)		8 min. to 100℃, 10 min. to 150℃		10 min. to 100℃, 12 min. to 150℃	
Controller		Smart-Lab™ Controller			
RS232 Port		Available to connect with PC			
Display		4″ Full Touch Screen TFT LCD			
Timer		99hr 59 min (delay/continuous function)			
Storage		Temperature and Timer setting values			
Material	Internal	Stainless-steel (#304), Corrosion Resistant			
	External	Powder Coated steel			
	Insulation	Glass Wool			
Shelf (included)		2 Stainless-steel Wire Shelf, Load per Shelf : 16 kg			
Ventilation		Ventilation hole with Stainless-steel Cap, Hole Diameter 40mm			
		1ea		2ea	
Circulation		Gravity-air Type			
Safety device		Over Temp and Over Current Protector, Sensor Error Detector			
Alarm		Error Status and Timer-end			
Net Weight (kg)		36	44	69	78
Packing Size (w×d×h) (mm)		562×664×747	622×754×807	743×819×1,068	808×884×1,133
Shipping Weight (kg)		43	59	79	92
Power Consumption		502 W	674 W	1390 W	1566 W
Energy Consumption, at 100℃		90 Wh	117 Wh	187 Wh	204 Wh
, at 150℃		181 Wh	230 Wh	337 Wh	398 Wh
Electric Reqts.		120V, 60Hz or 230V, 50/60Hz			

∗ **Other Specifications are available upon Customer's Request.**

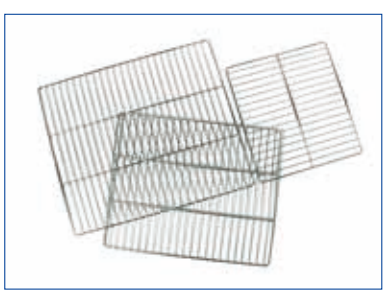
<Continued On Next Page>

※ The Price(VAT is extra) for Korean End-user, and Changeable.

<*Continued From...*DAIHAN® SMART Gravity-air Drying Oven "SON">



(2) SMART-Window Model, Gravity-air Oven



Stainless-steel Wire Shelf (Included)

Ordering Information

※ 운임 별도 〈L1〉

(1) SMART Model, Gravity-air, with Wire Shelf

		Ea. Price, ₩
DH.SWON05032	Oven, Standard, **230V, 32 Lit, "SON-32"**	1,930,000
DH.SWON05050	**, 50 Lit, "SON-50"**	2,030,000
DH.SWON05105	**, 105 Lit, "SON-105"**	2,484,000
DH.SWON05155	**, 155 Lit, "SON-155"**	2,642,000
DH.SWON06032	Oven, Standard, **120V, 32 Lit, "SON-32"**	1,930,000
DH.SWON06050	**, 50 Lit, "SON-50"**	2,030,000
DH.SWON06105	**, 105 Lit, "SON-105"**	2,484,000
DH.SWON06155	**, 155 Lit, "SON-155"**	2,642,000

(2) SMART Built in Viewing Window Model, Gravity-air, with Wire Shelf

		Ea. Price, ₩
DH.SWON07105	Oven, Window, **230V, 105 Lit, "SON-W105"**	2,349,000
DH.SWON07155	**, 155 Lit, "SON-W155"**	2,720,000
DH.SWON08105	Oven, Window, **120V, 105 Lit, "SON-W105"**	2,349,000
DH.SWON08155	**, 155 Lit, "SON-W155"**	2,720,000

Spare Stainless-steel Wire Shelf

		Ea. Price, ₩
DH.WON11032	Wire Shelf, for **32 Lit, "ONS032"**, w280×d280mm	28,800
DH.WON11050	, for **50 Lit, "ONS050"**, w340×d310mm	32,500
DH.WON11105	, for **105 Lit, "ONS105"**, w455×d375mm	36,300
DH.WON11155	, for **155 Lit, "ONS155"**, w520×d440mm	40,000

Gravity-air Oven with Validation (IQ, OQ) Service

		Ea. Price, ₩
DH.SWON31032	Validation Service(IQ, OQ), with "SON-32". **"SONV1032"**	
DH.SWON31050	, with "SON-50", **"SONV1050"**	
DH.SWON31105	, with "SON-105", **"SONV1105"**	
DH.SWON31155	, with "SON-155", **"SONV1155"**	
DH.SWON32105	Validation Service(IQ, OQ), with "SON-W105", **"SONV2105"**	
DH.SWON32155	, with "SON-W155", **"SONV2155"**	

WiRe™ App Service



4″ Full Touch Screen TFT LCD
(Smart-Lab™ Controller)

It is possible to monitor and control the Smart-Lab™ equipment through all smart phone, tablet without restraint of time and place.



WiRe™ App Service

Controlled by Mobile-Phone

DAIHAN® High Clean Air Drying Oven "WOC", with HEPA-H13 Filter, 560 · 800 Lit, with Certi. & Traceability

With Chrome Coated Steel Wire Shelves, Digital Fuzzy Control System, Clean Air Convection Mechanism, up to 250℃, ±1.0℃

청정 고온 건조기/오븐, 고정밀 디지털 퍼지 제어, 우수한 청정도



High Clean Air Oven, with HEPA Filter "WOC-560"

- ■ ***Supplied by DAIHAN Korea*** ■ ***PL (Product Liability) Insurance***
- ■ ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
- ■ ***Specially Designed Clean Air Convection Mechanism Provides Dynamic Air Flow for Exhaust of Contaminated Air from the Chamber and Supply of Filtered Clean Air into the Chamber***
- ■ ***Digital Fuzzy Control System Implementing Superior Temperature Accuracy.***
- ■ ***Patented Jog-Shuttle Control System***

* Suitable for Critical Clean Application such as Electronics, Semiconductor, Pharmaceutical and Clinical Applications. HEPA-H13 Filter is used.
* Specially Designed Clean Air Convection Mechanism Provides Dynamic Air Flow for Exhaust of Contaminated Air from the Chamber and Supply of Filtered Clean Air into the Chamber
* Digital Fuzzy Control System Implementing Superior Temperature Accuracy
* User's Self-Compensation Function to Control Difference between Real Temp and Indicated Temp (±20.0℃)
* Storage Function : Set Values of Temperature and Timer
* Locking Mode Supported for Experimental Safety(Input to Jog-Shuttle can be Disabled)
* Over Temperature & Over Current Protection, Sensor Error Detection

Specifications & Ordering information

‹L1›

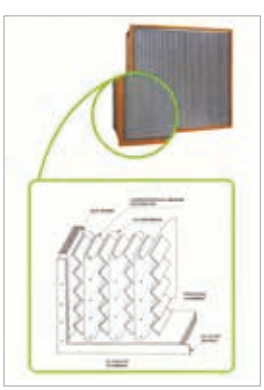
Spec. \ Model		"WOC-560" Max. Capa. 560L	"WOC-800" Max. Capa. 800L
Capacity		560 Lit	800 Lit
Air Flow-type		High Clean Air Convection Mechanism	
Filter for Clean Air		HEPA-H13 Filter for High Temperature	
Temp	Range & Sensor	60℃~250℃, PT100 Sensor	
	Accuracy & Uniformity	±1.0℃, ±2.0℃ at 200℃	
Timer & Alarm		99hr 59min (with delay / Continuous run.), Error status & Timer-end	
Display		Digital LCD with Back Light	
Controller		Digital Fuzzy Controller with Jog-Shuttle Switch(Turn+Push)	
Verification		Timer Operated Verification System	
Resolution		Control : ±1.0℃, Display : ±1.0℃	
Shelf		3ea of Perforated Shelf of Adjustable Position	
Load per Rack		16 kg, Total : 48 kg (16kg×3 Shelf)	
Safety Circuit		Over Temp and Over Current Protector, Sensor Error Detector	
Material		Internal : Stainless-steel (#304), External : Powder Coated steel, Insulation : Glass Wool	
Others		Storage Function, Locking Mode	
Dimension (w×d×h)	Interior (mm)	800×700×1,000	1,000×800×1,000
	Exterior (mm)	1,000×1,155×1,735	1,500×1,200×1,900
Packing Size (w×d×h) (mm) & Gross Weight		1,200×1,400×h2,120mm, 386 kg	1,700×1,400×h2,270mm, 446 kg
Power Consumption		6.5 kW	9.4 kW
Electric Reqts.		3 Phase 230V or 380V, 50/60Hz	
Cat. No.	230V 3 Phase	DH.WOC00560	DH.WOC00800
	380V 3 Phase	DH.WOC03560	DH.WOC03800
Price, Each. ₩		10,335,000	13,892,000

* Other Specifications are available upon Customer's Request.

※ **운임 별도**



High Efficiency and High Clean Air Convection Mechanism



High Temp HEPA Filter



(1) Perforated Shelf, Stainless-steel (Included)

Spare Perforated Shelf, Stainless-steel

		Ea. Price, ₩
DH.WOC10560	(1) Perforated Shelf, **"OCS560"**, w780×d680, for **"WOC-560"**	160,000
DH.WOC10800	, **"OCS800"**, w980×d880, for **"WOC-800"**	160,000

High Clean Air Oven with Validation (IQ, OQ) Service

		Ea. Price, ₩
DH.WOC30560	Validation Service(IQ, OQ), with "WOC-560", **"OCV560"**	
DH.WOC30800	, with "WOC-800", **"OCV800"**	

※ The Price(VAT is extra) for Korean End-user, and Changeable.

DAIHAN® Industrial Forced-air Drying Oven "WOF", 486 · 840 · 1176 Lit, with Certi. & Traceability

With Stainless-steel Perforated Shelves, Digital PID Control System, Superior Temp Accuracy, up to 250℃, ±1.0℃

대용량 산업용 열풍 순환식 건조기 / 오븐, 우수한 온도 정확성



Industrial Forced-air Oven "WOF-L1000" with Stainless-steel Perforated Shelf



(1) Perforated Shelf, Stainless-steel (Included)

- ***Supplied by DAIHAN Korea*** ■ ***PL (Product Liability) Insurance***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
- ***Heavy Forced Air-Circulation by Strong and Reliable Fan System : ideal for Semiconductor and Electronic Parts Baking Purpose***

∗ Heavy Forced Air-Circulation by Strong and Reliable Fan System : Ideal for Semiconductor and Electronic Parts Baking Purpose
∗ Voltage and Ampere Meter Equipped for Monitoring Safe Operation of the Machine
∗ Digital PID Control System Enables Superior Temperature Accuracy
∗ Digital Timer Function with Buzzer Alarm : up to 99 hrs 59 min
∗ Locker is Available for Operational Safety Control by an Administrator
∗ Over Temperature & Over Current Protection, Sensor Error Detection and Leakage Breaking
∗ Multi-Channel Temperature Sensors with Digital Display for Monitoring Temperature Uniformity in the Chamber is available(Optional)
∗ Default Damper to Enhance Thermal Efficiency ∗ Automatic Gas Exhaust Available (Optional)

Specifications & Ordering information

〈L1〉

Spec. \ Model		"WOF-L400" Max. Capa. 486L	"WOF-L800" Max. Capa. 840L	"WOF-L1000" Max. Capa. 1,176L
Capacity		486 Lit	840 Lit	1,176 Lit
Air Flow-type		Forced-air Type		
Air Circulation Fan Motor		1/3HP	1/3 HP × 2 ea	1/3HP × 3 ea
Temp	Range	Room Temp +5℃ to 250℃		
	Accuracy	±1.0℃ at 150℃		
	Uniformity	±2.0℃ at 150℃		
	Sensor	PT100		
Heating Power/Consumption		3 kW	5 kW	7 kW
Timer & Alarm		99hr 59min (with Continuous run.), Timer-end Alarm		
Display		2 lines LED for Temperature and Timer		
Controller		Digital PID Control		
Resolution		Control : ±1.0℃, Display : ±1.0℃		
Door		Powder coated Steel Door with Silicone Packing		
		1 Door	2 Doors	
Shelf		Included Stainless-steel Perforated Shelf		
		3 ea	4 ea	6 ea
Load per Rack		16 kg		
Permitted Total Load		48 kg (16kg×3 Shelf)		96 kg (16kg×6 Shelf)
Material		Internal : Stainless-steel (#304), External : Powder Coated steel, Insulation : Ceramic and Glass Wool Board		
Dimension (w×d×h)	Interior (mm)	900×600×900	1,250×700×960	1,400×700×1,200
	Exterior (mm)	1,200×750×1,700	1,500×840×1,800	1,650×840×2,150
Net Weight		316 kg	408 kg	478 kg
Others		Over Temp and Over Current Protector, Sensor Error Detector, Leakage Breaker Locking Mode by Mechanical Locker		
Packing Size (w×d×h) (mm) & Gross Weight		1,400×1,220×1,960	1,700×1,310×2,060	1,850×1,310×2,410
		376 kg	488 kg	568 kg
Power Consumption		3.6 kW	6.2 kW	8.8 kW
Electric Reqts.	230V	1Phase AC 230V, 50/60Hz		-
	3 Phase	-	3Phase AC 380V, 50/60Hz	
Cat. No.	230V	DH.WOFL0400	DH.WOFL0800	-
	3 Phase	-	DH.WOFL0802	DH.WOFL1002
Price, Each. ₩		7,352,000	10,908,000	13,848,000

∗ Other Specifications are available upon Customer's Request. ※ 운임 별도

Spare Perforated Shelf, Stainless-steel

		Ea. Price, ₩
DH.WOF10400	(1) Perforated Shelf, "OFLS400", w880×d580㎜, for "WOF-400"	164,000
DH.WOF10800	, "OFLS800", w1230×d680㎜, for "WOF-800"	289,000
DH.WOF11000	, "OFLS1000", w660×d680㎜, for "WOF-1000"	139,000

Industrial Forced Convection Oven with Validation (IQ, OQ) Service

		Ea. Price, ₩
DH.WOF30400	Validation Service(IQ, OQ), with "WOF-L400", "OFLV400"	
DH.WOF30800	, with "WOF-L800", "OFLV800"	
DH.WOF31000	, with "WOF-L1000", "OFLV1000", 3Phase	

DAIHAN® Gas Exchangeable Precise Vacuum Drying Oven "OV", 20 · 30 · 70 Lit, 10~750 mmHg, 200℃

With Highly Safety View Window, 2 Al-Shelf, Digital PID Control, Superior Temp & Vacuum Accuracy, Excellent Thermal Conductivity

가스 치환 정밀 진공 건조기/오븐, 고정밀 디지털 PID 제어, 알루미늄 선반 포함



2-Year Warranty

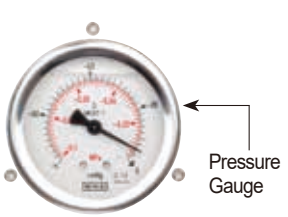
- ***Supplied by DAIHAN Korea***
- ***UL, CUL, and CE Certified*** ■ ***PL (Product Liability) Insurance***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
- ***Suitable for Drying, Baking, Conditioning, Curing, Out-Gassing Solids and Liquids, Vacuum Embedding, Moisture Testing, Plating and Aging Test***
- ***Patented Jog-Dial Control System and Back-Light LCD***
- ***Gas Exchangeable, High Heat Conduction and New Jog-Dial Controller & Precise Gauge***
- ***WiseRemote Control Software ; Download at DAIHAN-Sci.com.***

* Very Easy and Convenient for Vacuuming and Venting, Easy to read Vacuum Gauge
* Highly Safety Viewing Window (Tempered Safety Glass + Polycarbonate Window)
* Heavy-duty Safety Front Door for User Safety
* High Quality Door Sealing : High Temperature Grade Silicone Molded Gasket
* Locking Mode Supported for Experimental Safety (Input to Jog-Dial can be disabled)
* Compact New Body Design



WiseRemote Control Software :
Connection of Temperature Devices with Interface RS232C to a PC

*** You can Download this Software at DAIHAN-Sci.com Shopping-mall**





(1) Standard Shelf, Al.(Included)

Specifications & Ordering information

〈L1〉

Spec. \ Model		"OV-20" Max. Capa. 20 Lit	"OV-30" Max. Capa. 30 Lit	"OV-70" Max. Capa. 70 Lit
Capacity		20 Lit	30 Lit	70 Lit
Vacuum Range & Level & Rate		10 ~ 750 mmHg, 0.63mbar, 0.39mbar/hr		
Temp	Range / Sensor	R/T +10℃ to 200℃, PT100		
	Accuracy	± 0.5℃ at 100℃ & 150℃		
	Uniformity	± 2.0℃ at 100℃, ±3.0℃ at 150℃		± 2.5℃ at 100℃, ± 3.5℃ at 150℃
Heating Power/Consumption		170W×2ea 130W×2ea		350W×2ea 450W×2ea
Heat-up Time		60 min. to 100℃, 90 min. to 150℃	70 min. to 100℃, 100 min. to 150℃	80 min. to 100℃, 100 min. to 150℃
Timer & Alarm		99hr 59min (with delay / Continuous run.), Error status & Timer-end		
Display		Digital LCD with Back Light		
Controller		Digital PID Controller with Jog-Dial Switch (Turn & Push)		
Resolution		Control : ±1.0℃, Display : ±1.0℃		
Shelf (Included)		2 Aluminum Shelf		
Safety Circuit		Over Temp & Over Current Protector, Sensor Error Detector, Leakage Breaker		
Material		Internal : Stainless-steel (#304), External : Powder Coated steel, Window : Tempered Safety Glass 12T, Poly Carbonate 5T for Safety		
Others		Storage Function (Temp and Timer), Locking Mode (Jog-Dial Input Disabled)		
Dimension (w×d×h)	Interior (mm)	265×290×265	300×330×300	400×435×400
	Exterior (mm)	480×475×547	515×515×582	618×620×682
Vacuum & Gas Inlet Valve Size		od. 10 mm		
Net Weight		48 kg	55 kg	85 kg
Packing Size (w×d×h) (mm) & Gross Weight		600×580×850 57 kg	640×640×900 80 kg	740×720×1000 112 kg
Power Consumption		600 W	600 W	1.6 kW
Electric Reqts.		1 Phase, AC 120V, 60Hz or AC 230V, 50 / 60Hz		
Cat. No.	230V	DH.WOV03020	DH.WOV03030	DH.WOV03070
	120V	DH.WOV04020	DH.WOV04030	DH.WOV04070
Price, Each. ₩		3,574,000	3,722,000	4,548,000

* Other Specifications are available upon Customer's Request. ※ **운임 별도**

Spare Aluminum Shelf

		Ea. Price, ₩
DH.WOV12020	(1) Standard Shelf, Alu., **"OVSN020"**, 260×245×h3mm, for **20 Lit**	53,800
DH.WOV12030	, **"OVSN030"**, 290×285×h3mm, for **30 Lit**	57,500
DH.WOV12070	, **"OVSN070"**, 390×390×h3mm, for **70 Lit**	65,000

※Note! Optional Vacuum Pump : See the "Pumps, Vacuum" Section!

※ The Price(VAT is extra) for Korean End-user, and Changeable.

DAIHAN® Gas Exchangeable SMART Vacuum Drying Oven "SOV", 20 · 30 · 70 Lit, 10~750mmHg, 200℃

With Smart-Lab™ Controller, 4″ Full Touch Screen, Highly Safety View Window, 2 Al-Shelf, Digital PID Control, Superior Temp & Vacuum Accuracy
Excellent Thermal Conductivity, **가스 치환 스마트 진공 건조기/오븐, 고정밀 디지털 PID 제어, 알루미늄 선반 포함**



- ***Supplied by DAIHAN Korea***
- ***UL, CUL, and CE Certified*** ■ ***PL(Product Liability) Insurance***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
- ***Suitable for Drying, Baking, Conditioning, Curing, Out-Gassing Solids and Liquids, Vacuum Embedding, Moisture Testing, Plating and Aging Test***
- ***Gas Exchangeable, High Heat Conduction and Precise Gauge***
- ***Smart-Lab™ Controller***
  - WiRe™ App Service.
  - Automatic Data Recording
  - Self-Diagnostic Function
  - Internet Connectivity with WiFi
  - Variable Program Setting for Multiple Patterns with Multiple Segments
  - The Recorded Data Could be transferred to PC by USB memory
  - Controller SW can be upgraded through USB port.

∗ Very Easy and Convenient for Vacuuming and Venting, Easy to read Vacuum Gauge
∗ Highly Safety Viewing Window (Tempered Safety Glass+Polycarbonate Window)
∗ Heavy-duty Safety Front Door for User Safety ∗ Compact New Body Design
∗ High Quality Door Sealing : High Temperature Grade Silicone Molded Gasket
∗ Over Temperature & Over Current Protection and Sensor Error Detection



Display of Smart-Lab™ Controller





(1) Standard Shelf, Al.(Included)

Specifications & Ordering information

〈L1〉

Spec. \ Model		"SOV-20" Max. Capa. 20 Lit	"SOV-30" Max. Capa. 30 Lit	"SOV-70" Max. Capa. 70 Lit
Capacity		**20 Lit**	**30 Lit**	**70 Lit**
Vacuum Range & Level & Rate		10 ~ 750 mmHg, 0.63mbar, 0.39mbar/hr		
Temp	**Range / Sensor**	R/T +10 ℃ to 200 ℃, PT100		
	Accuracy	± 0.5℃ at 100℃ & 150℃		
	Uniformity	± 2.0℃ at 100℃, ±3.0℃ at 150℃		± 2.5℃ at 100℃, ± 3.5℃ at 150℃
Heating Power/Consumption		170W×2ea 130W×2ea		350W×2ea 450W×2ea
Heat-up Time		60 min. to 100 ℃, 90 min. to 150 ℃	70 min. to 100 ℃, 100 min. to 150 ℃	80 min. to 100 ℃, 100 min. to 150 ℃
Timer & Alarm		99hr 59min (with delay / Continuous run.), Error status & Timer-end		
Display		4″ Full Touch Screen TFT LCD		
Controller		Smart-Lab™ Controller		
Resolution		Control : ±1.0℃, Display : ±1.0℃		
Shelf (Included)		2 Aluminum Shelf		
Safety Circuit		Over Temp & Over Current Protector, Sensor Error Detector, Leakage Breaker		
Material		Internal : Stainless-steel (# 304), External : Powder Coated steel, Window : Tempered Safety Glass 12T, Poly Carbonate 5T for Safety		
Others		Program Function, WiRe™ App & Web Service.		
Dimension (w×d×h)	**Interior (mm)**	265×290×265	300×330×300	400×435×400
	Exterior (mm)	480×475×547	515×515×582	618×620×682
Vacuum & Gas Inlet Valve Size		od. 10 mm		
Net Weight		48 kg	55 kg	85 kg
Packing Size (w×d×h) (mm) & Gross Weight		600×580×850 57 kg	640×640×900 80 kg	740×720×1000 112 kg
Power Consumption		600 W	600 W	1.6 kW
Electric Reqts.		1 Phase, AC 120V, 60Hz or AC 230V, 50 / 60Hz		
Cat. No.	**230V**	**DH.SWOV03020**	**DH.SWOV03030**	**DH.SWOV03070**
	120V	**DH.SWOV04020**	**DH.SWOV04030**	**DH.SWOV04070**
Price, Each. ₩		4,153,000	4,285,000	5,139,000

* **Other Specifications are available upon Customer's Request.** ※ **운임 별도**

Spare Aluminum Shelf

		Ea. Price, ₩
DH.WOV12020	(1) Standard Shelf, Alu., **"OVSN020"**, 260×245×h3mm, for **20 Lit**	53,800
DH.WOV12030	, **"OVSN030"**, 290×285×h3mm, for **30 Lit**	57,500
DH.WOV12070	, **"OVSN070"**, 390×390×h3mm, for **70 Lit**	65,000

※Note! Optional Vacuum Pump : See the "Pumps, Vacuum" Section!

SI Analytics® Bench-top Dissolved Oxygen Meter, "Lab 745", 0.01~20mg/L, −10℃+100℃, ATC
With DO Measuring Cell, Data Logger Up to 4000 Data Set, <Germany-Made> 용존 산소 미터



1-Year Warranty

"Lab 745" DO Meter

- ***User-friendly Design for Training and Routing Purpose.***
- ***Data Logger (Up to 4,000 Data Sets : Date, Time, Main & Secondary Value, Measuring Temp) with Adjustable Interval.***
- ***Robust Aluminum Housing and Graphical LCD Display with Background Lit.***

∗ USB interface ∗ Numeric Password Security ∗ Configuration Time off Set-up
∗ For Immediate use as Set (with Stand, Power Supply, Sensor and Buffers)

〈L1〉

Models	"Lab745"
Measuring range	0~200 %, 0~20 mg/L; -10℃+100℃
Resolution	1%, 0.01 mg/L; 0.1℃
Temperature Compensation	Automatic with NTC30kOhm or Fixed Temperature
Accuracy	±1 digit, ±0.5 % of the measuring range, T [℃] ±0.1 (5℃~50℃)
Connectors	8-pole Sensor Socket, 4-pole USB Interface Socket
Calibration	Direct Input, Temperature Offset, Single-point, Automatic
Electrode Ox1113T	1m Fixed Cable with 8-pole Plug, L120mm, Φ12mm, -5℃+45℃
Data Storage	4.000 Entries with Date, Time, Value 1+2 and Temperature
Display	Graphic LCD Display, 128×64 pixel, Backlid
Housing Material	Aluminum Desk Housing IP40 Protection
Dimensions & Weight	145×185×h55 mm, Approx. 750g (incl. Power Supply and Stand)
Cat. No.	**SG.285206800**
Price, Each. ₩	1,920,330

Spare and Optional Accessories

		Ea.	Price, ₩
SG.285206410	Oxygen Electrode, Ox1113T, Plastic Shaft, with 1m Cable		1,143,430
SG.285206400	Optional USB Cable with Data Transfer Software, Z613		283,430
SG.285206450	Optional Cable for Connecting a RS232 Printer, Z616		233,290

Trans® Professional Portable D.O. Meter, "HD3030", 0.00~19.99/0.01ppm, 0℃~50.0℃, 99 Data Memory
With 3m Probe, Simultaneous Dual D.O. & Temp Display, One Touch Calibration, <Singapore-Made> 휴대용 용존 산소 미터

1-Year Warranty



"HD3030" 0~19.99ppm

- ***With a 3m Probe for submerged Testing Under Water in Streams, Ponds or Water Tanks***
- ***Can preset Salinity Compensation and Atmospheric Compensation to Allow Direct Reading without any Conversion Table.***
- ***Store Up to 99 Data Memory with Date and Time Records.***

∗ Dual Dissolved Oxygen and Temperature Display
∗ Able to Set Salinity and Atmospheric Pressure Compensation
∗ Save Up to 99 Data in Memory with Real Time Clock.
∗ Optional RS232 Kit-Make Online Data Logging on PC
∗ Able to Show Maximum and Minimum Reading Over Saved Data
∗ One Touch calibration in Air
∗ Backlite Digital Display
∗ Complete with Main Unit, Dissolved Oxygen Probe 3 meter, 4×AAA size Battery, 2×D.O. Membrane, Electrolyte Solution, Carrying Case and Operating Manual

Specifications & Ordering information

〈L1〉

Models	"HD3030"
Range & Resolution	0~19.99ppm / 0.01ppm, 0℃~50℃ / 0.1℃
Accuracy	±1.5% FS, ±0.3℃
Calibration	Single Point Calibration in Air at 100%
Battery Type	4×1.5V AAA Battery, DC9V Adapter (Optional Accessory)
Size & Weight	195×40×36 mm, 150 g
Cat. No.	**TR.HD3030**
Price, Each. ₩	848,340

Spare Accessories

		Ea.	Price, ₩
TR.PD3030	Dissolved Oxygen Electrode , "PD3030-5", for HD3030, 3m		324,600
TR.AD3030	Membrane for D.O. Electrode, "AD3030", for HD3030, 2pcs/pk	2pcs	39,800

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



Fig. (1) Sealer Unit Opened



(1) Sealer unit

(2) Bags



(3) Roll

Multiuse Vacuum Sealer-set

HappyLock® Deojon Multiuse Vacuum Package Sealer Set, Semi-Vacuum Function
Up to 300mm Sealing, with Bags & Roll, 다용도 진공포장기 세트, 진공과 밀봉, 반진공 기능

■ ***Set Includes : (1) Sealer unit + (2) Bags(20×28cm) 5Ea. + (3) Roll(20×600cm) 1Ea.***
■ ***3 Function : Vacuum and Sealing, Half-vacuum, Separate Vacuum Available.***
∗ Use : Packing Fruit, Meat, Vegetables, Fish and Other Foods and Samples, Pictures, Gifts, Clothing and Variety of Things.
∗ One Touch Operation : Vacuum and Sealing Automatically Finish at a time.
∗ Power : 100-240V, 50/60Hz, 110W ∗ Built-in Roll Cutter
∗ Size & Weight : 104×382×h62mm. 1.33kg ∗ Vacuum Range : Max-60KPa.
∗ Sealer Unit Material : ABS, Roll & Bags Material : LLDPE+LDPE+Nylon(4 Layer Film), thick. 90㎛

〈B2〉

		Set.	Price, ₩
DH.Sea001	Deojon Vaccum Sealer Set. Multiuse, ABS, 104×382×h62mm		53,600

Accessories

		Pk.	Price, ₩	Cs.	Price, ₩
DH.Bag001	(2) Bags, LLDPE+LDPE+Nylon, 20×28cm, 0.09mm-t : Spare	20ea	2,910	80pk	214,370
DH.Bag002	, 28×35cm, 0.09mm-t	20ea	4,830	60pk	267,960
DH.Bag003	(3) Roll, LLDPE+LDPE+Nylon, 20×L600cm, 0.09mm-t : Spare	1roll	3,100	60roll	171,500
DH.Bag004	, 28×L500cm, 0.09mm-t	1roll	3,380	65roll	202,680

※ **How to Use the Multiuse Vacuum Sealer**



1. Preparation of Vacuum : Locate the Opening of Vacuum Packing Bag in the Middle of Gasket.



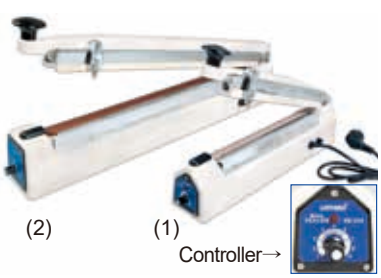
2. Vacuum Process Ⅰ : Press Both Ends of the Lid to Close until You hear a "Click".



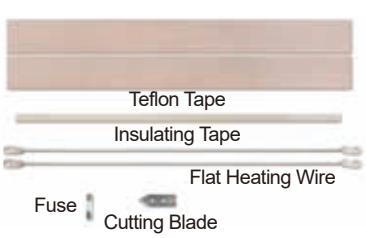
3. Vacuum Process Ⅱ : Select the Mode and Press the Vacuum Button to Start the Vacuum Process.



4. Completion of Vacuum and Sealing : Once the Vacuum and Sealing are Completed, the LED Lamp is Turned Off and the Vacuum Process is Automatically Stopped.



(2) (1) Controller→



(3) Replacement Heating Set

Lovero® Impulse Bag Hand Sealer, with Cutter, up to 310 & 510mm Sealing
Good for PE · PP Packing Film Roll, Sealing Width 2mm, 수동 비닐접착기

■ ***Available Making Various Types Bags In Different Sizes Using Double-wall***
■ ***Adjustable Temperature by Controller***
∗ Impulse Sealing & Additional Function to Cut a Bag ∗ 220V / 60Hz / 390W or 500W

〈B4〉

(1) 310mm Sealing Type

		Pk.	Price, ₩
L7.103	Hand Sealer, 310mm Sealing, width 2mm, 390W, 90×445×h170mm, 4.1kg	1ea	78,400

(2) 510mm Sealing Type

		Pk.	Price, ₩
L7.105	Hand Sealer, 510mm Sealing, width 2mm, 500W, 90×645×h170mm, 5.2kg	1ea	140,000

(3) Spare Heating Set

∗ Flat Heating Wire×2Ea, Fuse, Cutting Blade, Insulating Tape, Teflon Tape

		Set.	Price, ₩
L7.111	Replacement Heating Set, for L7.103		5,880
L7.112	L7.105		7,840

(4) PE Packing Roll, with Double- wall, Width 20~50cm×L400m, 0.05mm-thick. Ideal for Sample Storage & Packing, For Sealer & Packer

∗ Can be made PE Bag with Sealing Packer ∗ PE Roll : Can be Cut Various Length

〈B1〉

		Roll.	Price, ₩
DH.S2641	LDPE Packing Roll, 0.05mm-t., w20cm×L400m	400m	39,430
DH.S2642	, w30cm×L400m	400m	59,140
DH.S2643	, w40cm×L400m	400m	78,850
DH.S2644	, w50cm×L400m	400m	98,560



(4)



Portable Mini Heat Sealer, with Safety Cover, 50g
For Various Plastic Films Package, Magnetic-Design for Easy Storage, White, 휴대용 미니 열선 실링기

■ ***작은 사이즈에 작동이 편리한 가열접합 열선방식 비닐 밀봉기***
■ ***바닥 면에 자석이 붙어있어 냉장고에 붙여서 보관 가능*** ■ ***1.5V AA건전지 2개 별도구매***
∗ Suited for Various Plastic Films Package ∗ Needs 2×1.5V AA Battery
∗ Magnet Mounted at the Bottom, and sticks to Refrigerator for Easy Storage

〈B1〉

		Ea.	Price, ₩
DH.Pac3001	Portable Mini Heat Sealer, 10×4×2.7cm, 50g		15,280

Articles | Cat. No | Description



Cais® Cable Tie, Nylon, White & Black, 나일론 케이블타이

∗ Nylon 66, 94V-2 Certificated by UL. Heat-resisting, Erosion Control, Insulate well and not Apt to Age.
∗ Natural (or White, Standard Color), UV Black and Other Color are Available as Requested.

〈B4〉

ORDER NO.		Width×Length(mm)	dh pk.	Price, ₩	Cs.	Price, ₩
White	Black					
C2.T25100	C2.T25100.1	100×2.5	100ea	620	10dh pk.	4,080
C2.T36140	C2.T36140.1	140×3.6	100ea	1,320	10dh pk.	8,740
C2.T48200	C2.T48200.1	200×4.8	100ea	2,690	10dh pk.	17,910
C2.T50270	C2.T50270.1	270×5.0	100ea	4,600	5dh pk.	15,290
C2.T48300	C2.T48300.1	300×4.8	100ea	5,080	5dh pk.	16,890
C2.T76300	C2.T76300.1	300×7.6	100ea	7,220	5dh pk.	14,420
C2.T76370	C2.T76370.1	370×7.6	100ea	9,110	3dh pk.	18,200
C2.T90450	C2.T90450.1	450×9.0	100ea	17,640		
C2.T90540	C2.T90540.1	540×9.0	100ea	28,360		
C2.T90780	C2.T90780.1	780×9.0	100ea	44,110		



Cais® Marker Tie, Available to Tie Max. Φ22mm, with Tag, 마커 타이

■ 펜과 스티커 등으로 분류별 마킹이 가능하여 효율적인 선 정리 가능

∗ Nylon 66 94V-2 Certificated by UL. Acid Control and not Easy to Age.
∗ Write Down the Maker on the Tag, Tag Size w8×L25mm

〈B4〉

		dh pk.	Price, ₩	Cs.	Price, ₩
C2.100MT	Marker Tie, w2.5×L100mm	100ea	2,610	10dh pk.	17,330
C2.200MT	, w2.5×L200mm	100ea	3,170	10dh pk.	21,120



Cais® Reusable Cable Tie, Easy Assembling, 재사용 케이블 타이

■ 해제 버튼이 있어서 쉽게 재사용 가능

∗ Nylon 66 Certificated by UL. ∗ Easily Assembled by Hand or with Pliers

〈B4〉

		dh pk.	Price, ₩	Cs.	Price, ₩
C2.200RT	Reusable Cable Tie, w4.8×L200mm, Max. Bundle Φ50mm	100ea	6,210	10dh pk.	41,360
C2.250RT	, w7.2×L250mm, Max. Bundle Φ65mm	100ea	10,970	5dh pk.	36,550



Cais® Cord Band, General Purpose, 코드/케이블 밴드(타이)

■ Supplied by Cais® in Korea ***■ Cord Band, Polyethylene***

〈B4〉

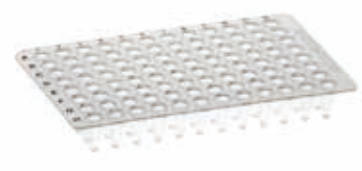
		dh pk.	Price, ₩	Cs.	Price, ₩
C2.CB150	Cord Band, Color-Natural, 157mm	100ea	3,420	5dh pk.	11,360
C2.CB150.1	, Color-Black, 157mm	100ea	3,420	5dh pk.	11,360



※ Packing Tapes
⇒ See the "Tapes" Section!

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description

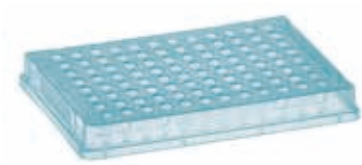


Simport® Amplate™ Low Profile 0.1㎖ 96-well PCR Plate, PP, Thin Wall
With Black Alphanumeric Grid, Reducing Dead Space, −196℃+121℃, <Canada-Made> PCR 플레이트

∗ Certified RNase·DNase·Pyrogen·DNA-free ∗ Flat Surface for Better Sealing
∗ The Insides of Tubes are Smooth and have an Inert Surface on which Enzymes and Nucleic Acids do not bind.
∗ Small Volume Reducing Dead Space between Sample and Cover
∗ Packed in tamperproof Resealable Bags of 10 plates.
∗ Precision-molded to ensure well-to-well and plate-to-plate Uniformity
∗ Black Alphanumeric Grid for Better Identification ∗ Can be used with All Leading Thermal Cyclers.
∗ To Facilitate Orientation, Corner at A1 of the Plate is cut away

<L1>

		Pk.	Price,₩	Cs.	Price, ₩
SP.T323.96LPN	PCR Plates, Low Profile, 96 well, 0.1㎖, Natural	10ea	45,720	10pk	434,930



Simport® Amplate™ Skirted 0.1㎖ 96-well PCR Plate, PP, Thin Wall
With Alphanumeric Grid for Identification, −196℃+121℃, <Canada-Made> PCR 플레이트

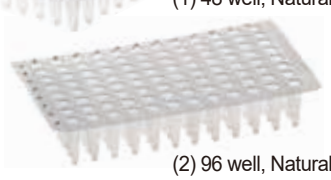
∗ Made of Polypropylene
∗ Certified RNase·DNase·Pyrogen·DNA-free ∗ Suitable to be used with all 96-well Shaped Cycles.
∗ Alphanumeric Grid for Better Identification ∗ Flat Surface for Better Sealing
∗ Each Well has a Volume of 100㎕ ∗ Area for Barcoding, Labeling, or Writing on Each Side and Top
∗ Precision-molded to ensure well-to-well and plate-to-plate Uniformity
∗ All Sealing Methods can be used for Oil-free Operation : Cap Strips, Thermal Sealing Film and Foil, and Mat.
∗ Can be Used with Robotic Handling Equipment and is Ideal with Automated Pipetting Systems
∗ Packed in Tamperproof Resealable Bags of 10 plates.

<L1>

		Pk.	Price,₩	Cs.	Price, ₩
SP.T323.96SKN	PCR Plates, Skirted, 96 well, 0.1㎖, Natural	10ea	61,530	10pk	585,730
SP.T323.96SKB	, Blue *New*	10ea	61,530	10pk	585,730



(1) 48 well, Natural



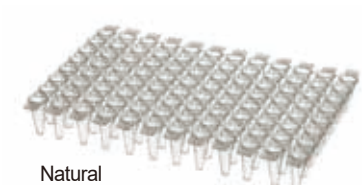
(2) 96 well, Natural

Simport® Amplate™ 0.2㎖ 48 & 96-well PCR Plate, PP, with Ultra Thin Wall
With Black Alphanumeric Grid, −196℃+121℃, <Canada-Made> PCR 플레이트

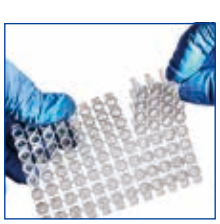
■ ***Can be cut to Desired Format***
∗ Certified Nase · DNase · Pyrogen · DNA-free
∗ Inside of Tube is Smooth and has an Inert Surface
∗ Corner is Cut Away to Facilitate Orientation of Plate
∗ Packed in tamperproof Resealable Bags of 10 plates.

<L1>

		Pk.	Price,₩	Cs.	Price, ₩
SP.T323.48N	(1) PCR Plates, 48 well, 0.2㎖ Tubes, Natural *New*	10ea	27,920	5pk	132,900
SP.T323.96N	(2) , 96 well, 0.2㎖ Tubes, Natural	10ea	45,600	10pk	434,100
SP.T323.96B	(3) , Blue *New*	10ea	53,370	10pk	508,150



Natural



Simport® SuperFLEX™ 0.2㎖ PP "Break-Away" Low-Profile 96-well PCR Plate
Flexible, Efficient, <Canada-Made> PCR 플레이트, 분리형

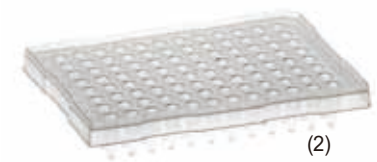
■ ***분리형 플레이트로서 가위 사용으로 인한 손상이나 오염 문제가 없으며, 남은 플레이트를 사용할 수 있어 경제적임.***
■ ***Eliminate the Use of Scissors that Cause Perforated wells, Damage Sealing Rings and Could Risk Contamination Issues***
■ ***Good Compatible with All PCR Rack***
∗ Certified RNase · DNase · Pyrogen · DNA-free ∗ Molded from Virgin Polypropylene
∗ Compatible with All Instruments that Fit Non-skirted, Low Profile Plates
∗ Can be Separated into 8 Strips or Higher Saving Time & Cost Effective
∗ 0.2㎖ Low Profile Format ∗ For PCR and qPCR Applications
∗ SP.T320.96W - White Improves Signal Reflection, Reduces Variation, and Increases the Sensitivity of qPCR Assays
∗ No longer Have to Throw Away Half-empty Plates
∗ Sealable with the SP.T321.96N Cap Strips

<L1>

		Pk.	Price,₩	Cs.	Price, ₩
SP.T320.96N	PCR Plates, Low Profile, 96-well, 0.2㎖, Natural	10ea	81,820	100ea	778,950
SP.T320.96W	, White	10ea	81,820	100ea	778,950
SP.T321.96N	**Optional ;** PCR 8 Strip Caps, Flat Cap, Natural	10ea	72,580	100ea	691,030

Articles	Cat. No	Description


(1)


(2)

Simport® Amplate™ Semi-Skirted 0.2 & 0.25㎖ 96-well PCR Plate, PP, Thin Wall
With Alphanumeric Grid, −196℃+121℃, <Canada-Made> PCR 플레이트

■ ***Offering just the Right Rigidity for Automation***
* Each Well makes Intimate Contact with the Heanting Block while Quick and Consistent Heat Transfer
* Certified RNase · DNase · Pyrogen · DNA-free
* Samples are Easily Recovered Thanks to a Low Adhesion Surface
* Made in a Standard 8×12 Configuration; Perfectly Suited for High Performance Thermal Cycling
* All Sealing Methods can be used : Cap Strips, Thermal Sealing Film(T329-1) and Aluminium Sealing Foil(T329-5) 〈L1〉
* To Facilitate Orientation, one Corner of the Plate is Cut away.

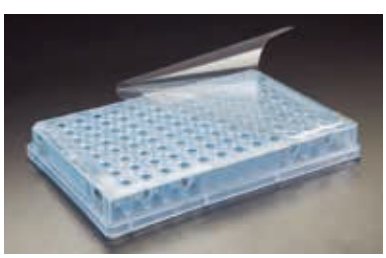
			Pk.	Price,₩	Cs.	Price, ₩
SP.T323.101N	(1) PCR Plates, Semi-Skirted, 96 well, Natural, 0.25㎖ *New*		10ea	54,250	10pk	516,630
SP.T323.103N	(2)	, 0.2㎖	10ea	45,620	10pk	434,290



Simport® Amplate™ Skirted 0.2㎖ 384-well PCR Plate, PP, with Ultra Thin Wall
Precision-molded for Uniformity, −196℃+121℃, <Canada-Made> PCR 플레이트

■ ***Developed for High Volume Laboratory Work***
■ ***Alphanumeric Grid Helps in Locating the Sample.***
* Each Well having a 40㎕ Capacity can be used with Reaction Volumes from 2 to 30㎕.
* Can be filled using Automated Fluid Handling Systems or Standard Multichannel Pipetters
* Skirted Side is Allowed Bar Coding for Identification and compatible with Automated Fluid Handling Systems.
* Two Corners of the Plate are cut away to Facilitate Orientation.
* Packed in tamperproof Resealable Bags of 10 plates. * with Alphanumeric Grid
* Certified RNase · DNase · Pyrogen · DNA-free 〈L1〉

		Pk.	Price,₩	Cs.	Price, ₩
SP.T323.384SKN	PCR Plates, 384 Well, 0.2㎖, Natural	10ea	66,340	10pk	631,630



Simport® SecureSeal™ Adhesive PCR Sealing Film, Transparent, Thickness of 2.0mil, −70℃+100℃
Ideal for Reducing Well-to-well Contamination & Spillover, <USA-Made> PCR 투명 실링 필름, 접착식

* Polyolefin Film coated on One Side with an Acylate Adhesive which does not interfere with Cycle Reactions.
* Minimize of Evaporation and Vapor loss * Certified RNase · DNase · DNA-free, DMSO Resistant 〈L1〉
* Transparent for Easy Viewing of Contents * Low-autofluorescence

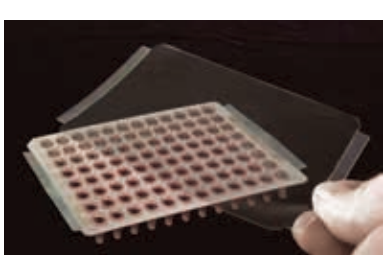
		Pk.	Price,₩	Cs.	Price, ₩
SP.T329.1	PCR Adhesive Sealing Film, Transparent, 100Ea./Pk.	100ea	141,070	10pk	1,343,180



Simport® Adhesive PCR Aluminum Sealing Foil, Pierceable, Thickness of 1.4mil
Ideal for Manual Sealing, −80℃+120℃, <USA-Made> PCR 알루미늄 실링 호일, 접착식

* Certified RNase · DNase · DNA-free, DMSO Resistant
* Recommended to use the Amplate™ Roller to ensure a Perfect Bond, Eliminating the Dangers of Evaporation. 〈L1〉
* Pierceable with a Pipet Tip for Easy Access to Sample

		Pk.	Price, ₩
SP.T329.5	PCR Adhesive Sealing Foil, Pierceable, w146.05×82.55mm	100ea	202,530



Simport® SecureSeal™ Adhesive qPCR Sealing Film, for Real Time PCR, Thickness of 2.0mil
Suited for Raised-rim Plates, with End Tabs, −70℃+100℃, <USA-Made> qPCR 투명 실링 필름, 접착식

* The Highest Transparency. * Certified RNase · DNase · DNA-free, DMSO Resistant
* Polyolefin Film ; Special Pressure Sensitive DMSO-resistant Silicone Adhesive Embeded inside the Film Itself.
* Perfectly Suited for Raised-rim Plates Ensuring Reliable Sealing Around each Well. 〈L1〉
* A Polyester Backing with End Tabs assures Easy Positioning of the Plate.

		Pk.	Price, ₩
SP.T329.6	qPCR Adhesive Sealing Film, High-Transparent 100Ea./Pk.	100ea	472,650



Simport® Amplate™ Rubber Roller, with Heavy-duty Handle, W101.6 mm
For Sealing Film or Foil on PCR Plates, <USA-Made> 롤러

〈L1〉
* Made of Medium Hard Rubber * Durable Construction * Comfort Grip

		Ea.	Price, ₩
SP.T329.9	Roller for Sealing Films, w101.6mm		57,440

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



(1) with Dome Cap, 0.2㎖



(2) with Flat Cap, 0.2㎖

Wisd™ 0.2㎖ PCR Tube, PP, Transparency, Ultra Thin Wall
With Domed or Flat Cap, −196℃+121℃, 0.2㎖ PCR 튜브

■ Made in Korea ***■ Made of Medical Grade Polypropylene(PP)***
■ 완벽한 밀폐로 시료의 증발을 방지하고 얇고 부드러운 재질로 열전달이 효율적이고 정확함.
■ Ultra Thin-wall Offers High Degree of Transparency, Easy for Observation and Heat Conduction
∗ DNase·RNase·Pyrogen·Endotoxin-free.
∗ 500pcs / Inner Pack, 1,000pcs / Outer Case.
∗ Soft Opening and Closing / Excellent Sealing.
∗ Temperature Range: −196℃(in Gas Phase)+121℃
∗ Attached cap allows opening and closing with one hand
∗ Universal Fits for the PCR Instrument
∗ Domed Caps Ensure Efficient Heat Transfer



〈L1〉

		Cs.	Price, ₩
DH.Tub3101	(1) Tube, PCR, PP, 0.2㎖, with Attached Dome Cap	1000ea	43,750
DH.Tub3102	(2) , with Attached Flat Cap	1000ea	43,750



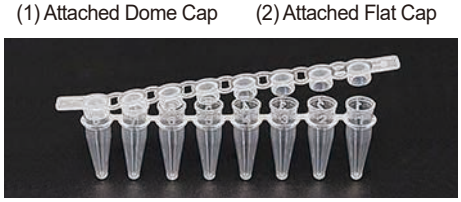
PCR 8-Strips Tube



(1) Attached Dome Cap



(2) Attached Flat Cap



(3) with Unattached Flat Cap

Wisd™ 0.2㎖ PCR 8-Strips Tube, PP, Transparency, Ultra Thin Wall
With Domed or Flat Cap, CE Certified, −196℃+121℃, 0.2㎖ PCR 스트립 튜브

■ Made in Korea ***■ Made of Medical Grade Polypropylene(PP)*** ***■ CE Certified***
■ 완벽한 밀폐로 시료의 증발을 방지하고 얇고 부드러운 재질로 열전달이 효율적이고 정확함.
■ Ultra Thin-wall Offers High Degree of Transparency, Easy for Observation and Heat Conduction
∗ DNase·RNase·Pyrogen·Endotoxin-free. ∗ 8-Strip×12ea / Inner Pack, 10 Inner Pack / Outer Case.
∗ Soft Opening and Closing / Excellent Sealing.
∗ Temperature Range: −196℃ (in Gas Phase)+121℃
∗ Universal Fits for the PCR Instrument
∗ Can be used with 8-channel Hand-held Micropipetters
∗ Tube Strips and Cap Strips can be Cut Easily and used as Individual Tubes
∗ Packed in Tamperproof Resealable Bags



〈L1〉

(1) PP 0.2㎖ PCR 8-Strips Tube with Attached Dome Cap

		Pk.	Price, ₩
DH.Tub3111	Tube, PCR, PP, 0.2㎖, with Attached Dome Cap	120ea	62,500

(2) PP 0.2㎖ PCR 8-Strips Tube with Attached Flat Cap

		Pk.	Price, ₩
DH.Tub3115	Tube, PCR, PP, 0.2㎖, with Attached Flat Cap	120ea	62,500

(3) PP 0.2㎖ PCR 8-Strips Tube with 8-Strip Flat Caps(Unattached)

		Pk.	Price, ₩
DH.Tub3116	Tube, PCR, PP, 0.2㎖, with Unattached Flat Cap	120ea	81,250



(1) 0.2㎖ Tube Dome Cap (2) 0.2㎖ Tube Flat Cap

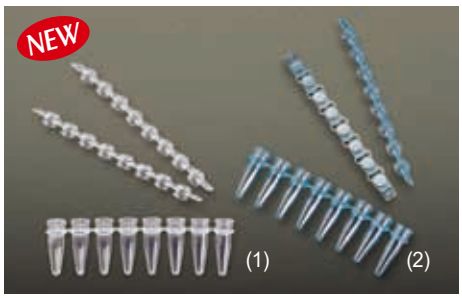
Simport® Premium Amplitube™ 0.2㎖ PCR Tube, PP, with Ultrathin Wall
Integral Shield Domed or Flat Cap, Writing Area, <Canada-Made> 0.2㎖ PCR 튜브

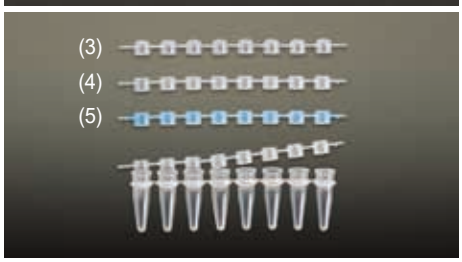
■ Designed for Oil-free Operation ***■ Made of Transparent Superior Quality grade Polypropylene***
■ Ultrathin Wall : Rapid Thermal Transfer and a Significant Reduction PCR Reaction Time
■ With Intergral Contamination Shield Cap ***■ Preventing Contamination with Surface of Lid***
∗ Certified RNase·DNase·Pyrogen·DNA-free
∗ Attached Hinged Domed or Flat Cap can be used with Heated Lids ∗ Pierceable Flat Cap
∗ Positive Sealing during Thermal Cycling and prevent Evaporation ∗ Packed in Tamperproof Resealable bags
∗ Easily Opened and Closed with One Hand and Integral Shield prevent Contamination
∗ Domed cap provides a snap shut positive seal ∗ Temperature Range: −196℃ (in Gas Phase)+121℃
∗ Frost Writing Surface for Sample Identification

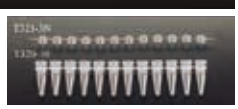
〈L1〉

		Cs.	Price, ₩
SP.T325.1N	(1) Tube, PCR, Integral Shield Dome Cap, 0.2㎖, Natural	1000ea	75,180
SP.T325.2N	(2) , Integral Shield Flat Cap , 0.2㎖, Natural	1000ea	75,180

Articles	Cat. No	Description







Ⅱ. 12-Strips

Simport® Amplitube™ 0.2㎖ PCR Reaction Strip, PP, 8- &12- Tube and Non-attached Caps With Ultrathin Wall, Domed or Flat Cap, −196℃+121℃, PCR 스트립 튜브, 캡 스트립 분리형

■ Made in Canada ■ Certified RNase, DNase, Pyrogen and DNA-free
■ 8 or 12 Integral 0.2㎖ Tubes with Ultrathin Walls to ensure Uniform and Efficient Temp Transfer.
■ Made of Transparent Superior Quality grade Polypropylene
∗ Flat Cap Strips ; Super Clear Highly Polished Upper Surface for qPCR and Fluorescence Detection
∗ Tube Strips and Cap Strips can be cut Easily and used as Individual Tubes.
∗ Tube Strips precisely fit with Standard Well Spacing in most 96-well "V" Bottom Thermal Cyclers.
∗ Can be used with 8- and 12-channel Hand-held Micropipetters.
∗ Non-attached Cap Strips ensure a Perfect Closure during the Thermal Cycle.
∗ Cap Strips are not included and have to be ordered Separately.
∗ Packed in Tamperproof Resealable Bags

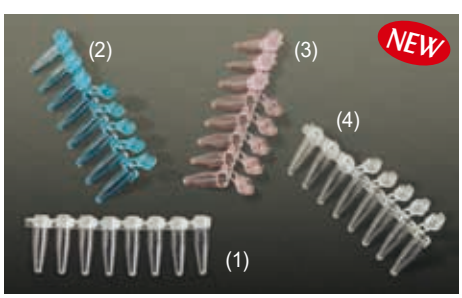
〈L1〉

Ⅰ. 8-Strips PCR Reaction Tubes & Strip Caps

		Pk.	Price, ₩
SP.T320.1N	(1) PCR Strip of 8 Tubes Only, 0.2㎖, Natural	125ea	135,830
SP.T320.1B	(2) , 0.2㎖, Blue	125ea	135,830
SP.T321.1N	(3) PCR Strip of 8 Caps Only, Domed Cap, Natural	125ea	41,190
SP.T321.2N	(4) , Flat Cap , Natural	125ea	43,450
SP.T321.2B	(5) , Blue	125ea	43,450

Ⅱ. 12-Strips PCR Reaction Tubes & Strip Caps, Natural

		Pk.	Price, ₩
SP.T320.10N	PCR12 Strip Tubes Only, 0.2㎖, Natural	125ea	160,120
SP.T321.3N	PCR12 Strip Caps Only, Domed Cap, Natural	125ea	91,730



Ⅰ. 0.2㎖ 8-Strip Tubes



Ⅱ. 0.1㎖ Low Profile

Simport® Amplitube™ 0.1 & 0.2㎖ PCR Reaction Strip, PP, 8 Tubes and Attached Caps With Ultrathin Wall, Domed or Flat Cap, −196℃+121℃, PCR 스트립 튜브, 개별 캡 부착형

■ Made in Canada ■ Made of Transparent Superior Quality grade Polypropylene
■ 8 integral Tubes with Ultrathin walls and Bottoms for Uniform and Efficient Temp Transfer
∗ Certified RNase · DNase · Pyrogen · DNA-free ∗ Easily Opened and Closed with One Hand
∗ Positive Sealing will fully Protect the Contents from Evaporation during the Whole Thermal Cycle
∗ The Cap has an Integral Seal Preventing Contamination with Surface of Lid.
∗ The Strip will Precisely fit Standard Well Spacing and can also be used with 8-channel Hand-held Micropipetters.
∗ Individually Attached Caps ∗ Packed in Tamperproof Resealable Bags

〈L1〉

Ⅰ. 0.2㎖ 8 Tube Strips with Attached Caps NEW

		Pk.	Price, ₩
SP.T320.2N	(1) PCR Strip of 8 Tubes, Attached Flat Caps, 0.2㎖, Natural	125ea	155,080
SP.T320.2B	(2) , Blue	125ea	190,570
SP.T320.2R	(3) , Red	125ea	190,570
SP.T320.3N	(4) , Attached Domed Caps, 0.2㎖, Natural	125ea	155,080

Ⅱ. 0.1㎖ Low Profile 8 Tube Strips with Attached Caps

		Pk.	Price, ₩
SP.T320.2LPN	PCR Strip of 8 Tubes, Low Profile, Attached Flat Caps, Natural	125ea	171,900

, Tube Racks PCR 튜브 랙



(1) with Hinged Lid, Φ6mm×96Hole



(2) with Separable Lid, Φ6mm×96Hole

SciLab® 96-Well PCR Tube Rack Box, PP, with Hinged Lid or Separable Lid With Alpha-Numeric Index, Hole Φ6mm, Stackable, 125/140℃, 0.2㎖ PCR 튜브 랙, 96-Well/홀

■ Made in Korea ■ 뚜껑이 있어 샘플이 안전하게 보관되며 알파벳 및 숫자 인덱스가 표시되어 샘플의 구별이 편리함
∗ Made of Polypropylene, -196℃(in Vapor-phase) +125/140℃
∗ Ideal for 0.2㎖ PCR Tube Storage ∗ Autoclavable.
∗ With Translucent Hinged Lid with Alpha-numeric Index
∗ Good Chemical Resistance. ∗ Good Finished
∗ For Conical Bottom 0.2㎖ PCR Tubes ∗ Stackable - (2) Separable Lid Type
∗ 96-Well(8×12 holes), Hole : Φ6 mm top, Φ3.5 mm bottom

〈L1〉

(1) with Hinged Lid, 0.2㎖ PCR Tube Racks

		Ea. Price,₩	Pk.	Price,₩
SL.Rac3071	PCR Tube Rack, PP, Φ6 mm×96 holes, 126×88×h25mm, Blue	5,000	24ea	116,400
SL.Rac3072	, Green	5,000	24ea	116,400
SL.Rac3073	, Violet	5,000	24ea	116,400

(2) with Separable Lid, 0.2㎖ PCR Tube Racks

		Ea. Price,₩	Pk.	Price,₩
SL.Rac3075	PCR Tube Rack, PP, Φ6 mm×96 holes, 129×88×h30mm, Blue	5,000	24ea	116,400
SL.Rac3076	, Green	5,000	24ea	116,400
SL.Rac3077	, Violet	5,000	24ea	116,400

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



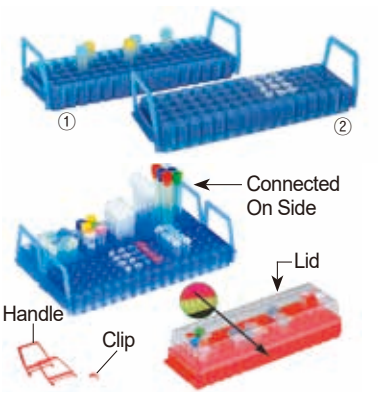
96-Well PCR Tube & Plate-Rack/Box, PP, with Separable Clear Lid & Alpha-Numeric Index
With 12×8 Wells, Stackable, Autoclavable, 125/140℃ Stable, PCR-튜브 &-플레이트 박스, 96웰

■ Supplied by DAIHAN Korea ***■ 모서리에 모두 다리가 있어 안정적으로 표면을 잡을 수 있음***

* Made of Polypropylene(PP), -196℃(in Vapor-phase) +125/140℃, Autoclavable
* Good Chemical Resistance. * Good Finished * Stackable
* 96-Well (12×8 holes) : Suitable for Un-skirted, Semi-skirted, Skirted 96-Well PCR Plate and Strip PCR Tube
* with Translucent Separable Lid with Alpha-numeric Index
* Case ; 5 Color Randomly-Blue/Green/Red/White/Yellow * Ea ; Random Color

〈L1〉

		Ea. Price,₩	Cs.	Price,₩
DH.Rac3040	PCR Tube Rack, PP, 96-Well, Random Color/Ea, 138×98×h39mm	11,290	5ea	52,190



Simport® UniRack™ 60- & 80-hole Micro & PCR Tube Combi-Rack, PP, Stackable
Ideal for Cryovial · Microtube · PCR Tube, Hole Φ7 &12mm, Reversible-type, **만능형 양면랙**

■ Supplied by Simport® in Canada
■ Reversible-type ; ① 80-hole for Hole, for up to Φ7mm 0.2/0.5㎖ PCR & MicroTube,
② 60-hole for up to Φ12mm All Tubes including Microtubes.
■ Able to Connect on Side : including Ring to Connect.

* With Detachable Handle / Stackable * -10℃+125/140℃ Heat-resistance / Autoclavable
* Optional Transparent Lid can be Purchased Separately.
* The UniRack can also be Placed at an Angle for Easier Handling of Tubes

〈L1〉

		Ea. Price,₩	Cs.	Price,₩
SP.S500.80B	**Rack**, PP, 60- & 80-Hole, 210×65×h222 mm, Blue	6,890	10ea	65,340
SP.S501.80	**Lid** only, Transparent	5,470	10ea	51,700



CUBE 77 Multi-hole Rotor Combi Workstation, PP, Stackable, for PCR · Micro · Centri Tubes
Moulded Alpha-Numeric Index, Autoclavable, 125/140℃ Stable, **큐브타입 회전형 워크스테이션 랙**

■ Supplied by DAIHAN Korea ***■ 회전이 가능함*** ***■ 랙을 추가하거나 뺄 수 있음***

* Made of Polypropylene(PP), -196℃(in Vapor-phase) +125/140℃, Autoclavable
* Unique Rotate and Lock Design allow Add or Subtract Rack according to your Needs.
* Case ; 4 Color - Blue / Green / Red / Yellow Assorted. * Ea ; Random Color.
* Side 1 : 48-Hole for PCR Tube
  Side 2 : 9-Hole for 1.5/2㎖ Micro Tube and 6-Holes for 0.5㎖ PCR Tube
  Side 3 : 8-Hole for 15㎖ Centrifuge Tube
  Side 4 : 2-Hole for 50㎖ Centrifuge Tube

〈L1〉

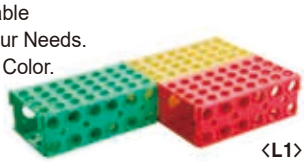
		Ea. Price,₩	Cs.	Price,₩
DH.Rac3021	Rack, Cube-type, PP, Random Color, 108×68×h108mm	14,090	4ea	52,100



80-hole Multi Combi-Rack, PP, for PCR · 1.5 & 2㎖(Micro) · 15 & 50㎖ (Centrifuge) Tubes
With Moulded Alpha-Numeric Index, 4 Color assorted, Autoclavable, 125/140℃ Stable, **연결가능형 랙**

■ Supplied by DAIHAN Korea ***■ 랙을 추가하거나 뺄 수 있음*** ***■ 가로로 연결 가능***

* Made of Polypropylene(PP), -196℃(in Vapor-phase) +125/140℃, Autoclavable
* Unique Rotate and Lock Design allow Add or Subtract Rack according to your Needs.
* Case ; 4 Color - Blue / Green / Red / Yellow Assorted. * Ea ; Random Color.
* Side 1 : 32-Hole for PCR Tube
  Side 2 : 32-Hole for 1.5/2㎖ Micro Tube
  Side 3 : 12-Hole for 15㎖ Centrifuge Tube
  Side 4 : 4-Hole for 50㎖ Centrifuge Tube



〈L1〉

		Ea.	Price,₩	Cs.	Price, ₩
DH.Rac3023	Rack, Multi Combination, PP, Random Color 175×90×h65mm	14,140		4ea	52,320

Suntex® Benchtop pH · ORP · Temp. Meter, "SP-2110 Routine" · "SP-2110" · "SP-2310"

With Calibration Graphics and Calibration Reminder, −2.000~20.000pH, ±2000.0mV, −10℃+110℃, **탁상용 pH · ORP · Temp 미터**



"SP-2110 Routine" pH Meter Set

- ***Screen can Display Calibration Standard Solutions or Real-time Potential***
- ***A Sleek Design with Breathing Light Function Buttons.***
- ***An Integral pH Calibration Graph can be Displayed after the Calibration***
- ***Integrated Multi-brand Standard Solution Table for Targeted Calibration***
- ***Unique Theory-visualization Calibration Mode Shows Dynamic Calibration Curve for Education Purposes. (SP-2110 Routine)***
- ***Calibration Reminder Function can Display the Remaining Calibration Days and Pop-up Notifications (SP-2110, SP-2310)***

∗ Auto-Read Function Status Indicator Light (Breathing Light)
∗ USB Type-C Power Supply Function and the Ability to Connect to an Array Printer
∗ Stores up to 60,000 Data and 50 Calibration Records (SP-2310 only)

▶ **Complete Set with :** Main Unit, ATC Probe, Flexible Electrode Holder, pH 4.01 & 7.00 Buffer Solutions (30㎖ each), USB Wire, AC/DC Adapter

〈L1〉

Spec. \ Model	SP-2110 Routine	SP-2110	SP-2310
Measuring Range	−2~16pH	−2~20pH	
	−2000~2000mV, −10.0~110.0℃ (14.0~230.0℃)		
Resolution & Accuracy	0.01pH (±0.01pH)	0.01pH (±0.01pH)	0.001pH (±0.001pH)
	1mV/0.1mV (±0.05%), 0.01℃ (±0.2℃) / 0.01°F (±0.4°F)		
Temperature Compensation	Automatic with NTC30K or PT1000 or Manual Adjustment		
Calibration	TECH, NIST, MERCK, Mettler, JIS Z8802, Define Buffers	TECH, NIST, MERCK, Mettler, WTW, Hach, Hamilton, JIS Z8802, User-defined Table	
	Up to 3 Points	Up to 3 Points	Up to 5 Points
Data Storage	-	Auto / Manual 200 Sets	Auto / Manual 60,000 Sets
Calibration Record	-	The Last 10 Calibration Records	The Last 50 Calibration Records
Auto Power-off	Yes (Built-in Timer)		
Display	4.3″ Graphic LCM Backlight Display, with Manual Brightness Adjustment Function		
Dimensions & Weight	w180×d220×h65mm, 0.5kg		

		Ea. Price, ₩
SU.SP2110RTPA1	pH/ORP/Temp. Meter, Benchtop, SP-2110 Routine PA1 set, SG200C pH electrode	1,089,090
SU.SP2110RT	, SP-2110 Routine set, without pH electrode	947,180
SU.SP2110PA1	, SP-2110 PA1 set, SG200C pH electrode	1,385,620
SU.SP2110	, SP-2110 set, without pH electrode	1,259,320
SU.SP2310PA1	, SP-2310 PA1 set, SG200C pH electrode	1,579,910
SU.SP2310	, SP-2310 set, without pH electrode	1,463,810

Spare & Optional Accessories

		Ea. Price, ₩
SU.SG200C	**Spare;** pH Combination Electrode, SG200C, Glass Shaft, BNC	199,260
SU.8082	**;** Temperature Probe, ATC	159,390
SU.FA1A	**Optional ;** Electrode Holder, Flexible, Universal-type	144,890
SU.8.03	**;** Calibration Buffer Solution, pH 4.00, 500㎖	20,370
SU.8.04	, pH 7.00, 500㎖	20,370
SU.8.23	, pH 10.00, 500㎖	20,370

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description

Suntex® Innovative Benchtop pH · ORP · Temp. · Ion Meter Set, "SP-2500" & "SP-2510"

Up to 5 Points Calibration, Calibration Reminder, Data Logger, Auto Read, 다기능 탁상용 pH · ORP · Temp. · Ion 미터 세트



"SP-2500" pH · ORP · Temp. · Ion Meter Set



"SP-2510" pH · ORP · Temp. · Ion Meter Set

- ***pH, ORP, Temperature and Ion Measurements (Depending on the Electrode)***
- ***A Sleek Design with Breathing Light Function Buttons (SP-2510)***
- ***Integrated Multi-brand Standard Solution Table for Targeted Calibration***
- ***An Integral pH Calibration Graph can be Displayed after the Calibration***
- ***Calibration Reminder Function can Display the Remaining Calibration Days and Pop-up Notifications***

∗ Calibration Features both Linear and Segmented Calibration Modes
∗ USB Type-C Power Supply Function and the Ability to Connect to an Array Printer (SP-2510)
∗ Stores up to 60,000 Data and 50 Calibration Records (SP-2510)
∗ Display a 3-minute Real-time Chart (SP-2510)

〈L1〉

Spec. \ Model	SP-2500	SP-2510 NEW
Measuring Range	−2~16pH, 1999.9~1999.9mV, −10~110℃, 0.001~1999.9ppm	−2~20pH, -2000~2000mV, −10.0~110.0℃ (14.0~230.0°F), 0.001~999,999ppm ; −2~20pX
Resolution & Accuracy	0.01pH (±0.01pH) / 0.001pH (±0.005pH), 1mV/0.1mV (±0.05%), 0.01℃(±0.2℃), 0.001ppm (±0.5%)	0.01pH (±0.01pH), 1mV / 0.1mV(±0.05%), 0.01℃ (0.2℃) / 0.01°F (±0.4°F), 0.001ppm (±0.5%)
Temperature Compensation	Automatic with NTC30K or PT1000 or Manual Adjustment	
Calibration	TECH, NIST, User-defined Table	TECH, NIST, MERCK, Mettler, WTW, Hach, Hamilton, JIS Z8802, User-defined Table
	Up to 5 Points	
Data Storage	-	Auto / Manual 60,000 Sets
Calibration Record	Only the Latest Records	The Last 50 Calibration Records
Display	3/4″ Back-lit LCD Display	4.3″ Graphic LCM Backlight Display, with manual Brightness Adjustment Function
Dimensions & Weight	w190×d220×h70mm, 0.7kg	w180×d220×h65mm, 0.5kg

		Ea. Price, ₩
SU.SP2500PA1	pH/ORP/Temp./Ion Meter, Benchtop, SP-2500 PA1 set, SG200C pH electrode	1,600,340
SU.SP2500	, SP-2500 set, without electrode	1,463,810
SU.SP2510PA1	, SP-2510 PA1 set, SG200C pH electrode	1,907,100
SU.SP2510	, SP-2510 set, without electrode	1,808,240

Spare & Optional Accessories

		Ea. Price, ₩
SU.SG200C	**Spare;** pH Combination Electrode, SG200C, Glass Shaft, BNC	199,260
SU.8082	**;** Temperature Probe, ATC	159,390
SU.FA1A	**Optional ;** Electrode Holder, Flexible, Universal-type	144,890
SU.8.03	**;** Calibration Buffer Solution, pH 4.00, 500㎖	20,370
SU.8.04	, pH 7.00, 500㎖	20,370
SU.8.23	, pH 10.00, 500㎖	20,370

Suntex® Portable pH · ORP · Ion · Temp. Meter set, "TS-210", "TS-230" & "TS-250", −2~20pH, ±2000mV

With pH Electrode & Carrying Case, with Vertical Display and Graphical Icon, IP65 Waterproof, Data logger, **휴대용 다기능 pH · Ion 미터 세트**



"TS-210", "TS-230" & "TS-250" Portable pH · Ion Meter with pH Electrode & Carrying Case

* The Vertical Display, and Complete Graphical Icon with Text Information Menu Provide you the Intuitive Operation.
* Rich Functions under the Simple and Easy-to-understand Graphical Menu * Easy Data Transmitting
* The Data Logger Function can Automatically Save the Measurement with Time Interval.
  "TS-210" up to 100 Sets, "TS-230"& "TS-250" up to 50,000 Sets
* with IP65 Splashing Water Protection

▶ **Complete Set with :** Basic Unit, Carrying Case, 4×AA Battery, Operation Manual

〈L1〉

Spec. \ Model	"TS-210"	"TS-230"	"TS-250"
Measurement Range	−2~20pH, −2000~2000mV		−2~20pH, −2000~2000mV 0.001~999.999ppm
Resolution & Accuracy	0.01pH, 1/0.1mV ±0.01pH, ±0.05%	0.001pH, 1/0.1mV ±0.005pH, ±0.05%	0.001pH, 1/0.1mV, 0.001ppm ±0.005pH, ±0.05%, ±0.5%
Temperature Compensation	NTC30K / PT1000 ATC and MTC		
Data Storage	100 Sets	50,000 Sets	
Data Transmitting	-	Micro USB	
Calibration (pH)	1~3 Point	1~5 Point	
Size and Weight	w194×d82×h38mm, 250g		
Protection	IP65		
Power Supply	4×1.5V AA or 1.2V NiMH	4×1.5V AA or 1.2V NiMH, Micro USB	

(1) pH Meter "TS-210" Set, 100 Data Storage

		Ea. Price, ₩
SU.TS210PA	pH meter, TS-210 Set, with pH Electrode PH1000	778,110
SU.TS210	, without pH Electrode	676,900

(2) pH Meter "TS-230" Set, 50,000 Data Storage

		Ea. Price, ₩
SU.TS230PA	pH meter, TS-230 Set, with pH Electrode PH1000	958,620
SU.TS230	, without pH Electrode	866,910

(3) pH/Ion Meter "TS-250" Set, 50,000 Data Storage

		Ea. Price, ₩
SU.TS250PA	pH meter, TS-250 Set, with pH Electrode PH1000	1,387,320
SU.TS250	, without pH Electrode	1,318,180

Spare & Accessories

		Ea. Price, ₩
SU.PH1000	**Spare;** pH Combination Electrode, PH1000, Plastic Shaft, BNC	142,190
SU.8082	; Temperature Probe, ATC	159,390
SU.8.03	; Calibration Buffer Solution, pH 4.00, 500㎖	20,370
SU.8.04	, pH 7.00, 500㎖	20,370
SU.8.23	, pH 10.00, 500㎖	20,370

Suntex® Classic Portable pH · mV Meter, "TS-1", 0.00~14.00pH, ±1999mV

With Carrying Case for Field Measurement, Manual Temperature Compensation, **휴대용 pH · mV 미터**



"TS-1" pH · mV Meter

■ ***Classic and Popular model for Easy to measurement.*** * Large LCD Display and Membrane Keypad.
* Designed for Light weight to carry along with a Meter Strap as a Standard Accessories.
* Manual Temperature Input turning Knob for Accurate Temperature Compensation.

▶ **Complete Set with :** Main Unit, pH Buffers, Distilled Water (30㎖), Carrying Case and Meter's Strap.

〈L1〉

Range & Resolution	0.00 ~ 14.00pH/0.01pH, -1999 ~ +1999mV/1mV
Accuracy	±0.01 pH, (±1 digit)
Slope Control	Yes
Display	0.5″ LCD Display
Battery Life	1000 hours
Weight	200 g

		Ea. Price, ₩
SU.TS1PA	pH/mV Meter, Portable, TS-1 set, pH1000 electrode	439,820
SU.TS1	, without electrode	320,800

Spare & Optional Accessories

		Ea. Price, ₩
SU.PH1000	**Spare** ; pH Combination Electrode, PH1000, Plastic Shaft, BNC	142,190
SU.8.03	**Optional ;** Calibration Buffer Solution, pH 4.00, 500㎖	20,370
SU.8.04	, pH 7.00, 500㎖	20,370
SU.8.23	, pH 10.00, 500㎖	20,370

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Trans® Precise Portable pH · DO · Conductivity · Salinity · Temp Meter Set, "AquaCOMBO", Simultaneous Display
2~12pH, 0~30ppm(DO), 0~1999㎲, 2~69.9mS, 0~42ppt(Salinity), 0℃~60℃, **정밀 휴대용 멀티 미터**



pH · DO · Cond. · Salinity · Temp Meter Set

■ ***Simultaneous Display of pH, Dissolved Oxygen, Conductivity/Salinity, and Temperature.***
■ ***Rugged, Waterproof, Easy Calibration & Operation***
∗ 99 Data Memory
∗ 3 Point Calibration with Automatic pH Buffer recognition with Built in ISO and NIST Standard.
∗ 1 Point Calibration at each Conductivity Range and In Air DO Calibration.
∗ Automatic Salinity Compensation and Altitude Compensation for D.O. at Preset value.
▶ **Complete Set with :** Main Unit, Combination pH Electrode with 1m Cable, Cond. Probe with 1m Cable, DO Probe with 3m Cable, 2×DO Membrane Cap, DO Sensor Electrolyte, 6×AAA size Batteries, and Operation Manual

〈L1〉

	pH	DO	Conductivity	Salinity	Temperature
Measure Range	2~12 pH	0~30 ppm	0~1999 ㎲ 2~69.9 mS	0~42 ppt	0℃~60℃
Measuring Temp	0℃~50℃	±10%	0℃~50℃		
Display Resolution	0.01 pH	0.1 ppm	0.1/1㎲ 0.01/0.1mS	0.01/0.1 ppt	0.1℃
Accuracy	±0.09 pH	±1 ppm	±1.5%	±2 ppt	±0.5℃
Operation Humidity	< 80% R.H.				
Size & Weight	169×78.3×h43.4mm, 200g				
Power	6×AAA size Batteries				
Cat. No.	**TR.HM3070**				
Price, Each. ₩	1,206,230				

Trans® UniTesta™ Pocket pH · mV · Temp Tester, 0.00~14.00pH, −999~+999mV, 0℃~90℃
Interchangeable Sensor, Simultaneous Display of pH & Temp, IP56 Water Proof, **포켓용 다기능 테스터**



Replacement Electrode "E-PU01PH"

Pocket pH · mV · Temp Meter

∗ Waterproof to IP56 Standard, Floats on Water
∗ Battery Level Indicator
∗ Automatic Temperature Compensation on pH Sensor
∗ Auto Power Shut-off (15min)
∗ Able to Put Display on Hold with a Press of a button
∗ Able to Record Maximum and Minimum Reading with High Low Recorder Enabled
∗ Range & Resolution : 0.00~14.00 pH/0.01pH, -999~+999mV/1mV, 0℃~90℃/0.1℃
∗ Accuracy : ±0.03pH, ±2mV, ±2℃
∗ Calibration Point : 3 Point
∗ Battery Type and Life : 4×1.5V AAA Battery, Approx. 100 hr
∗ Size and Weight : 195×40×36mm, 150g

〈L1〉

		Ea. Price, ₩
TR.SENZ.4	**pH/mV/Temp Tester**, Uni Testa, Pocket Type Complete with Main Unit, pH/Temp Sensor, 4×1.5V AAA Battery Operation Manual, pH 7 and pH 4 Calibration Satchel	172,350
TR.EPU01PH.4	**Spare**, Replacement pH Electrode, 0~14pH	119,350

Trans® Pocket pH- & Redox-Tester, "Senz Series", One-Touch Calibration, Auto-End Point, 0~14pH, -999~+999mV
With Low Battery Alert & Hold Function, IP66 Water Proof, Shock Proof, Floatable, **포켓용 pH- & Redox- 테스터**









∗ Auto Power Shut off Feature
∗ IP66 Water Proof
∗ The Uniquely Re-enforced Glass Sensor can withstand Accidental Drop and Shocks.
∗ Automatically Sensing a Stable End-Point Reading and Freezing for Easy Reading and Recording
∗ One-Touch Calibration (pH 4, 7, 10 Buffer)

〈L1〉

Cat. No.	Description	Range & Resolution	Accuracy	Cal. Point	Battery Type,& Life	Size & Weight	Ea. Price, ₩
TR.SENZ.1	(1) pH	0.0~14.0pH, 0.1pH	±0.2pH	Single	4×1.5V, Battery, 100h	170×32×15mm, 120g	100,780
TR.SENZ.2	(2) pH Pro	0.00~14.00, 0.01pH	±0.05pH	2 Point			135,240
TR.SENZ.5	(3) pH Duo	0.0~14.0pH, 0.1pH 0.0℃~50℃, 0.1℃	±0.2pH ±0.5℃	Single			106,080
TR.SENZ.3	(4) Redox	−999~+999mV	±40mV	Single			164,420

Articles	Cat. No	Description

Trans® pH Electrode, Combination-type, Glass & Plastic Shaft, BNC-plug Connection
With 1m Cable, Delivered with Storage Solution in a Soaker Bottle, pH 전극


<BNC-plug>

- ***Variety of Electrodes for Different Applications***
- ***High Precision and Accuracy***
- ***All Electrodes come with a Regular BNC Connector with a 1m Cable.***
- ***Delivered with pH Storage Solution in a Soaker Bottle, so the Sensors are Ready for Use.***

* General Purpose Electrode - Commonly Used for Municiple Water Testing, Waste Water Testing, Education, Experiment and Laboratory Usage.
* Specialized Electrodes for Semi-Solid, High Viscosity Liquid, High Temperature Samples are also Available.

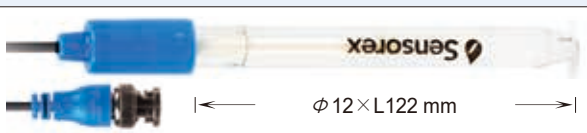
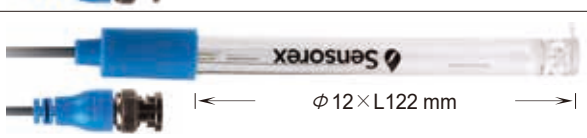
〈L1〉

<pH Measurement>	Model	Ea. Price, ₩
<Plastic Shaft> Usage Life - 1 year 	"PE03" BIN-Plug	"**General Purpose**" Plastic Shaft, Ceramic Diaphragm, 0~14pH, 0℃~70℃, Φ12×L125 mm, BNC-plug **Cat. No. TR.PE03** 171,720
<Plastic Shaft, with Pointed Tip> Usage Life - 1 year 	"PE04" BIN-Plug	"**For Semi-Solid and Soil**" Plastic Shaft, Pointed Tip, Polymer Ref., Open Pore & Ceramic Diaphragm, 2~14pH, 0℃~60℃, Φ12×L125 mm, BNC-plug **Cat. No. TR.PE04** 284,620
<Plastic Shaft> Usage Life - 1 year 	"PP5010" BNC-plug & Mini-Phono Jack	"**General Purpose**" Plastic Shaft, Ceramic Diaphragm, 0~14pH, 0℃~80℃, Φ12×L155 mm, BNC-plug & Mini-Phono Jack, For "BP3001" pH Meter **Cat. No. TR.PP5010** 176,430
<Glass Shaft> Usage Life - 1 year 	"PG02" BNC-plug	"**General Purpose**" Glass Shaft, Ceramic Diaphragm, 0~14pH, 0℃~70℃, Φ12×L125 mm, BNC-plug **Cat. No. TR.PG02** 148,190
<Glass Shaft, with Pointed Tip> Usage Life - 1 year 	"PG04" BNC-plug	"**For Semi-Solid and Soil**" Glass Shaft, Pointed Tip, Polymer Ref., Open Pore & Ceramic Diaphragm, 2~14pH, 0℃~60℃, Φ12×L130 mm, BNC-plug **Cat. No. TR.PG04** 171,720
<Glass Shaft> Usage Life - 1 year 	"PG05" BNC-plug	"**For High Temperature**" Glass Shaft, Open Pore & Ceramic Diaphragm, 0~14pH, −5℃+130℃, Φ12×L120 mm, BNC-plug **Cat. No. TR.PG05** 429,490

Suntex® pH/mV Combination Electrode, "SG200C" Glass Shaft & "PH1000" Plastic Shaft
With 1m BNC Plug Cable, Φ12×L122 mm, pH/mV 복합 전극

* "SG200C" : Glass Shaft, "PH1000" Plastic Shaft
* Accurate and Reliable Measurement across pH Scale (0~14pH)
* Compatible with any Meter according BNC.
* Isopotential Point : 7.00pH (0mV)

〈L1〉

	Model	Ea. Price, ₩
	SG200C Glass Shaft	**"General Purpose"** with 1m BNC plug Cable Ceramic Frit Junction, Φ12×L122 mm, 0℃~60℃, 0~14 pH **Cat. No. : SU.SG200C** 199,260
	pH1000 Plastic Shaft	**"General Purpose"** with 1m BNC plug Cable Pellon Junction, Φ12×L122 mm, 0℃~60℃, 0~14 pH **Cat. No. : SU.PH1000** 142,190

Trans® Redox Electrode, Combination-type, Plastic Shaft, BNC-plug Connection
With 1m Cable, High Precision & Accuracy, Redox 전극

〈L1〉

<Oxidation reduction Potential / Redox Measurement>	Model	Ea. Price, ₩
<Plastic Combination with Platinum Ring Sensor> 	"ORP106" BIN-Plug	**"General Purpose"** Plastic Combination with Platinum Ring Sensor, ±2000mV, 0℃~80℃, Φ12×L150 mm, BNC-plug **Cat. No. TR.ORP106** 235,980
<Plastic Combination with Platinum Ring Sensor> 	"PO3001" BIN-Plug	**"General Purpose"** Plastic Combination with Platinum Ring Sensor, ±1999mV, for "BP3001" Meter, 0℃~80℃, Φ12×L150 mm, BNC-plug **Cat. No. TR.PO3001** 207,000

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



SI Analytics® Color-coded Technical pH Standard Buffer, pH 4.01 · 7.00 · 10.01, 250㎖

For pH Meter Calibration, Measuring Cup Integrated PE Bottle, TECH pH 표준 용액

■ ***Supplied by SI Analytics® in Germany*** ∗ Yellow, Green, Orange color

〈L1〉

Cat. No	Description	Ea. Price, ₩
SG.285139156	Technical pH Buffer, LC 4004 K, pH 4.01 , Yellow Color , 250㎖ in PE Bottle	60,230
SG.285139189	, LC 7004 K, pH 7.00 , Green Color , 250㎖ in PE Bottle	60,230
SG.285139218	, LC 1004 K, pH 10.01, Orange Color, 250㎖ in PE Bottle	60,230



Suntex® Technical pH Standard Buffer Solution, pH 4.01 · 7.00 · 10.00, 500㎖

For pH Meter Calibration, Color Coded ; Blue · Orange · Green, TECH pH 표준 용액

∗ pH 4.01, pH 7.00, pH 10.00 at 25℃

〈L1〉

Cat. No	Description	Ea. Price, ₩
SU.8.03	Calibration Buffer Solution, pH 4.01 , 500㎖	20,370
SU.8.04	, pH 7.00 , 500㎖	20,370
SU.8.23	, pH 10.00, 500㎖	20,370



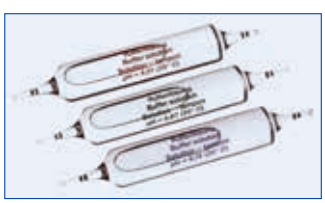
Trans® pH Buffer Solution, pH 4.01 · pH 7.00 · pH 10.01, 90㎖, In Single-Use

For pH Calibration, Colorless, Conformance to the NIST, Sealed and Date Coded, pH 표준 용액

∗ Sealed and Date Coded to ensure the Highest Quality and Accuracy.

〈L1〉

Cat. No	Description	Ea. Price, ₩
TR.4010	pH Buffer Solution, pH 4.01 , 90㎖	11,780
TR.7010	, pH 7.00 , 90㎖	11,780
TR.1010	, pH 10.01, 90㎖	11,780



SI Analytics® pH Standard Buffer Set, 6 Double-end Ampoules, 20㎖/ampoule

With Manufacturer's Certificate, pH 표준 용액 앰플 세트

∗ Hermetically Sealed in the Glass Ampoule and Sterilized with Hot Steam the Buffer Solution.
∗ Free of Preservation Agent have an extremely Long Shelf Life and Guarantee Continuously Error-free Characteristics.

〈L1〉

(1) pH Standard Buffer Set, DIN 19 266, pH 4.01 · 6.87 · 9.18

Cat. No	Description	Pk.	Price, ₩	Cs.	Price, ₩
SG.285138402	pH Buffer set, L 4790, pH 4.01/6.87 2×3 ampoules/Pk.	6ea	43,290	10pk	404,450
SG.285138238	, L 4798, pH 4.01/6.87/9.18 3×2 ampoules/Pk.	6ea	43,290	10pk	404,450

(2) Technical pH Standard Buffer Set, pH 4.00 · 7.00 · 10.01

Cat. No	Description	Pk.	Price, ₩	Cs.	Price, ₩
SG.285138398	pH Buffer set, L 4690, pH 4.00/7.00 2×3 ampoules/Pk.	6ea	34,440	10pk	321,690
SG.285138192	, L 4698, pH 4.00/7.00/10.01 3×2 ampoules/Pk.	6ea	34,440	10pk	321,690



Trans® Reference Electrolyte, 3M KCl Solution, 90㎖

For pH Electrode Storage, Conformance to the NIST, Colorless, pH 표준 전해 용액

〈L1〉

Cat. No	Description	Ea. Price, ₩
TR.2300	Reference Electrolyte, 3M KCl Solution, 90㎖	54,380



SI Analytics® Electrolyte Solution, 3mol/L KCl Solution Sterilized in DURAN Glass Bottle

For Reference Electrode, Electrolyte Bridges and Storage, 전해 용액

∗ Aqueous Potassium Chloride Solution, 3 mol/L ∗ 250 & 1000㎖ Glass Bottle Sterilized.

〈L1〉

Cat. No	Description	Ea. Price, ₩
SG.285138554	Elecrtolyte Solution, L 300, 1000㎖ in Glass Bottle, Sterilized	92,200
SG.285138427	, L 3004, 250㎖ in Glass Bottle, Sterilized	56,450
SG.285138505	, L 3008, 50㎖ in PE Bottle	32,000



Suntex® Flexible Electrode Holder, "FA1W-01", Heavy Base and Flexible Joint

For 5×Laboratory pH/ORP and Conductivity Sensors, 전극 홀더 / 스텐드

∗ Convenient Use for Holding Electrodes / Sensors
∗ Hold 4×Φ12 mm pH / ORP Electrodes and 1×Temperature Probe.

〈L1〉

Cat. No	Description	Ea. Price, ₩
SU.FA1A	Electrode-Holder, 5 Electrodes	144,890

Articles	Cat. No	Description

Johnson® COA, MSDS - Easy, Compliant and Available at any time

* Can Download the Certificate of Analysis, Material Safety Data Sheet from 'http://johnsontestpapers.com' with Batch Number on the Surface of the Product / Packing
* Direction for Download: Refer from DAIHAN Scientific Website 'www.daihan-sci.com or www.ALL *for* LAB.com'



Johnson® Litmus-Blue · Red · Neutral, Book & Roll-type, for Simple Testing of Solution pH - Acidity / Aalkalinity

<UK-Made> 리트머스 페이퍼, 용액의 pH 간이시험지, 북 & 롤타입





Book-type Litmus



Roll-type Litmus

■ ***Quality Warranty ;***
Johnson® Test Papers have Expiry Date and Batch Certification No. on the Product / Packing.

■ ***Ideal for the Simple Testing the Acidity / Alkalinity of a Solution(where No Precise pH Value is Required) in the Field of Education, Laboratories, Chemical Industry, and QC***

* Determines whether a Solution is Acid or Alkaline and can also be used to Indicate a Color Change over a Very Narrow Range.
* Take a Drop of the Sample Solution and allow it to Fall on the pH Paper or Dip pH Paper into the Solution.
  Litmus Blue Paper turns Red in Acidic Solution (pH<7, Blue → Red)
  Litmus Red Paper turns Blue in Alkaline Solution (pH>7, Red →Blue)
  Litmus Neutral Paper turns Red in Acidic Solution (pH<7, Purple →Red) and Blue in Alkaline Solution (pH>7, Purple →Blue)

Specification & Package

▶ Book-type : 20 Strips/Book, 1 Strip : L68×w10mm, 10 Books(200 Strips) in a Clear Plastic Case (10 Books / Pk.)
▶ Roll-type : 1Roll Paper(L5m×w7mm) in a Clear Plastic Dispenser Case (1 Roll / Pk.)

Ordering Information

(1) Litmus Blue Paper, Book & Roll-type

* Color Change at Acidity(Blue→Red)

<L1>

		Pk.	Price, ₩
J2.001.1	Litmus Blue Paper, Book-Type, 10 Books(200 strips)/Pk.	200ea	8,450
J2.001.5	, Roll-Type, 1Roll / Pk.	1 roll	6,240

(2) Litmus Red Paper, Book & Roll-type

* Color Change at Alkalinity(Red→Blue)

		Pk.	Price, ₩
J2.003.1	Litmus Red Paper, Book-Type, 10 Books(200 strips)/Pk.	200ea	8,450
J2.003.5	, Roll-Type, 1Roll / Pk.	1 roll	6,240

(3) Litmus Neutral Paper, Book-type

* Color Change at Acidity(Purple→Red) and Alkalinity(Purple→Blue)

		Pk.	Price, ₩
J2.002.1	Litmus Neutral Paper, Book-type, 10 Books(200 strips)/Pk.	200ea	8,450

Johnson® pH 1~11 and pH 1~14 Universal Test Paper, Book & Roll-type, with Standard Color-Chart

11- & 14-Step Color Reaction, <UK-Made> pH 1~11 & pH 1~14 만능시험지, 용액의 pH 를 1pH 단계별 색상변화로 측정함

pH 1~11



pH 1~14

Book-type Test Paper



Roll-type Test Paper

■ ***Quality Warranty ;***
Johnson® Test Papers have Expiry Date and Batch Certification No. on the Product / Packing.

■ ***Ideal for Education, Chemical Industry and QC***

* Provide a Quick and Easy Method of Indicating the pH of a Solution by Using a Single Color Change which can be Matched to the Color chart at Intervals of 1 pH.
* Exhibits Several Smooth Color Changes over a pH Value Range from 1~11 & 1~14 to Indicate the Acidity or Alkalinity of Solutions.

Specification & Package

▶ Book-type : 20 Strips/Book, 1 Strip : L68×w10mm, 10 Books(200 Strips) in a Clear Plastic Case (10 Books / Pk.)
▶ Roll-type : 1Roll Paper(L5m×w7mm) in a Clear Plastic Dispenser Case (1 Roll / Pk.)

(1) pH 1~11 Test Paper, Book & Roll-type

* With pH 1~11 Standard Color Chart, 11-Color Steps (1 pH / 1 Step)

<L1>

		Pk.	Price, ₩
J2.004.1	pH 1~11 Test Paper, Book-Type, 10 Books(200 Strips) / Pk.	200ea	8,450
J2.004.5	, Roll-Type, 1Roll / Pk.	1 roll	6,240

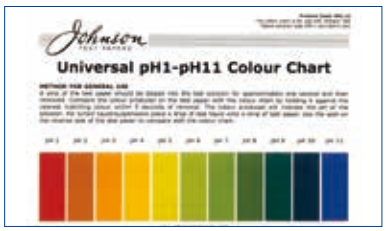
(2) pH 1~14 Test Paper, Book & Roll-type

* With pH 1~14 Standard Color Chart, 14-Color Steps (1 pH / 1 Step)

		Pk.	Price, ₩
J2.046.1	pH 1~14 Test Paper, Book-Type, 10 Books(200 Strips) / Pk.	200ea	8,450
J2.046.5	, Roll-Type, 1Roll / Pk.	1 roll	6,240

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



(1) pH 1~11 Standard Color Chart



(2) pH 1~14 Standard Color Chart

Johnson® pH Standard Color-Chart of pH 1~11 and pH 1~14, A6-size Poster
pH 1~11(만능) & pH 1~14(광역만능)의 표준색상도, A6 (105×148 mm) 크기의 포스터

■ ***Made in U.K.***

∗ Specially Developed for the Class Room Environment in A6-format.
∗ Teaching to Demonstrate the Different pH-Ranges and the Respective Color Changes.
∗ pH 1~11 are 11-Color Steps, pH 1~14 are 14-Color Steps, Division : 1 pH / 1 Step.
∗ Specification : A6-size, 1 Sheet : L105×w148 mm

〈L1〉

		Ea.	Price, ₩
J2.004.15	(1) Standard Color Chart, for pH 1~11, A6 (105×148 mm) Poster		1,340
J2.046.15	(2) , for pH 1~14, A6 (105×148 mm) Poster		1,340

Johnson® 0.5- or 1-pH divi. Professional 3 & 4 Color-Pad Polypropylene pH Comparator, "Non-Bleed" System
Accurate-type of (1) pH 4.0~10.0 & (2) pH 7.5~14.0, and (3) pH 0~14 Full range
3 & 4색 대열 패드식 정밀 pH측정용 PP-콤퍼레이터, 용액에 번짐 / 훼손이 없는 고품질, 1 Strip 에 pH 반응 "3/4색 패드구조" 로 정교한 측정



(1) 0.5pH divi./pH4.0~10.0
3 Color-Pad PP Strips (J2.106.3C)



(2) 0.5pH divi./pH7.0~14.0
3 Color-Pad PP Strips (J2.109.3C)



(3) 1pH divi./pH0~14.0
4 Color-Pad PP Strips (J2.140.4)

■ ***Made in U.K.***
■ ***Quality Warranty ;***
Johnson® Indicator Pad-Strips have Expiry Date and Batch Certification No. on the Product / Packing
■ ***Ideal for Analysis, Laboratories, QC, Chemical Industry and Education.***
■ ***For Accurate pH Readings, These Strips use up to 3 or 4 different Indicator Pads and the Colors on the Enclosed Color Chart Match the Color and Position of Each Pad on the Strip.***

∗ "NON- BLEED" System : 3-/4- Color Pads on the Environmentally Friendly PP(Polypropylene) Strips Provide Precise pH Values as the Different Colors do not Mix at the Point of Testing.
∗ Far Longer & Readable System (Until the Pads are Dry). : Long Life of the Resultant Color Change.
∗ Each strip is long Enough to Protect the User from the Test Solution as the Test Pads are at the Extreme End of the Strip.
∗ Provide a Rapid and Accurate Method of Measuring the pH of a Solution and Produce High Quality Results Each Time ; 0.5 pH - or 1 pH - Divi. / Intervals
∗ Take a Drop of the Sample Solution and allow it to Fall on the Pad Strip or Immerse the Pad Strip in the Sample Solution. Then Compare the Color Produced of Pad Strip with the Standard Color-Chart to Determine the pH Value.
∗ Standard Color Chart is attached on the product..

Specification & Package

▶ *3-/4- Color Pad PP Strip : L68×w5 mm*
▶ *Made by Environmentally Friendly Polypropylene(PP)*
▶ *100 Strips in a Clear Plastic Case(100 Strips / Pk.) with Standard Color-Chart.*

Ordering Information

(1) pH 4.0~10.0, 0.5 pH-divi. Comparator 3 Color Pad PP Strips

∗ pH 4.0- 4.5-5.0-5.5-6.0-6.5-7.0-7.5-8.0-8.5-9.0-9.5-10.0.

〈L1〉

		Pk.	Price, ₩
J2.106.3C	pH 4.0 ~ 10.0(0.5 pH) Comparator 3 color Pad PP Strips	100ea	10,920

(2) pH 7.0~14.0, 0.5 pH-divi. Comparator 3 Color Pad PP Strips

∗ pH 7.0-7.5-8.0-8.5-9.0-9.5-10.0-10.5-11.0-11.5-12.0-12.5-13.0-13.5-14.0.

		Pk.	Price, ₩
J2.109.3C	pH 7.0 ~ 14.0(0.5 pH) Comparator 3 color PP Pad Strips	100ea	10,920

(3) pH 0~14, 1 pH-divi. Full range Universal 4 Color Pad PP Strips

∗ pH 0-1-2-3-4-5-6-7-8-9-10-11-12-13-14.

		Pk.	Price, ₩
J2.140.4	pH 0 ~ 14(1 pH) Full range 4 Color PP Pad Strips	100ea	10,920

Articles	Cat. No	Description

Johnson® High Precise(0.2~0.5 pH-divi.) Color Pad Polypropylene pH Comparator, "Non-Bleed" System

Special Use for the Accurate Test of Short-ranges of pH 0.2~0.5 Intervals, 8 items in Overall-range pH 1.0~10.0

초정밀 pH 측정용 칼라 패드 PP 콤퍼레이터, "0.2 ~ 0.5 pH 단위" 로, "총 8 items"로, 총 측정범위 "pH 1.0~pH 10.0" 을 측정. 용액에 "번짐 / 퍼짐이 없음"



(J2.005.3)

(1) 0.5 pH divi./pH 1.0~3.5



(J2.006.3)

(2) 0.3 pH divi./pH 3.6~5.1



(J2.022.3)

(3) 0.5 pH divi./pH 4.0~8.0



(J2.023.3)

(4) 0.2 pH divi./pH 4.0~5.6



(J2.007.3)

(5) 0.3 pH divi./pH 5.2~6.7



(J2.044.3)

(6) 0.2 pH divi./pH 6.2~7.8



(J2.008.3)

(7) 0.3 pH divi./pH 6.8~8.3



(J2.009.3)

(8) 0.3 pH divi./pH 8.4~10.0

■ ***Made in U.K.*** ■ ***Quality Warranty ; Johnson® Indicator Pad-Strips have Expiry Date and Batch Certification No. on the Product / Packing***

■ ***Determination of the pH Value of a Solution, Measuring in Interals of 0.2~0.5 pH***

■ ***Ideal for Analysis, Laboratories, QC, Chemical Industry and Education.***

* Manufactured to have a Unique Single Pad System of Impregnated Paper
* These Strips enable the pH Value of a Solution to be Indicated Cost Effectively and Quickly
* "NON- BLEED"System: 3 Color Pads on the Environmentally Friendly PP(Polypropylene) Strips.
* Far Longer & Readable System (Until the Pads are Dry). : Long Life of the Resultant Color Change.
* Each strip is long Enough to Protect the User from the Test Solution as the Test Pads are at the Extreme End of the Strip.
* Take a Drop of the Sample Solution and allow it to Fall on the Pad Strip or Immerse the Pad Strip in the Sample Solution. Then Compare the Color Produced of the Pad Strip with the Standard Color-Chart to Determine the pH Value.
* Specification : a Color Pad PP Strip : L68×w5 mm, Made by Environmentally Friendly Polypropylene.
* Package : 100 Strips in a Clear Plastic Case / Pk. With Standard Color-Chart.(100 Strips / pk.)

Specification & Package

▶ *3-/4- Color Pad PP Strip : L68×w5 mm*
▶ *Made by Environmentally Friendly Polypropylene(PP)*
▶ *100 Strips in a Clear Plastic Case(100 Strips / Pk.) with Standard Color-Chart.*

Ordering Information

〈L1〉

		Pk.	Price, ₩
J2.005.3	(1) pH 1.0 ~ 3.5, 0.5 pH-divi. Comparator Color Pad PP Strips, * pH-1.0-1.5-2.0-2.5-3.0-3.5	100ea	8,450
J2.006.3	(2) pH 3.6 ~ 5.1, 0.3 pH-divi. Comparator Color Pad PP Strips, * pH-3.6-3.9-4.2-4.5-4.8-5.1	100ea	8,450
J2.022.3	(3) pH 4.0 ~ 8.0, 0.5 pH-divi. Comparator Color Pad PP Strips, * pH-4.0-4.5-5.0-5.5-6.0-6.5-7.0-7.5-8.0	100ea	8,450
J2.023.3	(4) pH 4.0 ~ 5.6, 0.2 pH-divi. Comparator Color Pad PP Strips, * pH-4.0-4.2-4.4-4.6-4.8-5.0-5.2-5.4-5.6	100ea	8,450
J2.007.3	(5) pH 5.2 ~ 6.7, 0.3 pH-divi. Comparator Color Pad PP Strips, * pH-5.2-5.5-5.8-6.1-6.4-6.7	100ea	8,450
J2.044.3	(6) pH 6.2 ~ 7.8, 0.2 pH-divi. Comparator Color Pad PP Strips, * pH-6.2-6.4-6.6-6.8-7.0-7.2-7.4-7.6-7.8	100ea	8,450
J2.008.3	(7) pH 6.8 ~ 8.3, 0.3 pH-divi. Comparator Color Pad PP Strips, * pH-6.8-7.1-7.4-7.7-8.0-8.3	100ea	8,450
J2.009.3	(8) pH 8.4 ~10.0, 0.3 pH-divi. Comparator Color Pad PP Strips, * pH-8.4-8.7-9.0-9.3-9.6-10.0	100ea	8,450

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Pipets & Pipet Aids
Pipetters, *Micro & Macro-pipetters*
and the Pipetter Tips

Pipets

Disposable ····· P. 566~568
Capillary Micropipet & Hematocrit Tube ····· P. 566~567
Dropping / Transfer New ····· P. 567~568
Pasteur Pipets & Rubber Bulb ····· P. 567
Sterile Serological ····· P. 568
Reusable-Glass ····· P. 569~571
Serological Measuring New ····· P. 569
Volumetric New ····· P. 570~571
Accessories ····· P. 571~572
Pipet Jar · Rack · Stand ····· P. 571~572
Pipet Sterile Box/Can ····· P. 571
Pipet Washer ····· P. 572

Pipet Aids

Electric Pipet Aids ····· P. 574
Pipet Controllers ····· P. 574
Pipet Bulbs · Fillers · Pumps ····· P. 573

Pipetters

Electronic Digital Micropipetters ····· P. 575
Continuous Step Pipetters ····· P. 575
Macropipetters - Adjustable ····· P. 576
Micropipetters - Adjustable ····· P. 576~578
1/Single-channel ····· P. 576~577
8 & 12/Multi-channel ····· P. 578
Micropipetters - Fixed ····· P. 577
Pipetting Reagent Reservoirs New ····· P. 579
Pipetter Stands ····· P. 579

Pipetter Tips & Tip Racks

Macro Tips & Racks ····· P. 581~582
Micro Certified Universal-Fit ····· P. 580~582

Volume Calibration & Recalibration New

····· P. 565







Package Box

mediclin® Micro Hematocrit Capillary Tube, Blue & Heparinized-Red, 75㎕

For Blood Taking, Disposable Hi-Quality Glass, Φ1.55×L75mm, **일회용 Micro 헤마토크리트 튜브**

■ ***Supplied by DAIHAN Korea*** ■ ***Made of High Grade Quality Glass in Compliance with DIN ISO 12772***
■ ***혈액 중 적혈구의 비중을 측정하기 위해 헤마토크리트 검사에 사용, 원심분리기를 사용하여 혈액 성분 분리***
■ ***Color Coded : (1) Blue "Non-Heparinized" (2) Red "Heparinized"*** ∗ ID: 1.1~1.2mm, OD : 1.5~1.6mm

〈M1〉

(1) Blue Coded : Non-Heparinized, 75㎕

		Pk.	Price, ₩	Cs.	Price, ₩
DM.Tub2001	Capillary Tube, without Sodium Heparine, Blue, 75㎕	100ea	2,450	10pk	22,630

(2) Red Coded : Heparinized, 75㎕, 헤파린 처리

∗ Useful when a Delay between Blood Sampling and Hematocrit Test is Expected.
∗ Heparinized Tubes Prevent Blood from Clotting.

		Pk.	Price, ₩	Cs.	Price, ₩
DM.Tub2002	Capillary Tube, with Sodium Heparine, Red, 75㎕	100ea	2,690	10pk	24,850


(1) (2)


(3)

Heinz® Premium MicroHematocrit Capillary Tube, Disposable Glass, Blue & Red-hepa, 75㎕

For Blood Taking, Φ1.55×L75mm, **일회용 Micro 헤마토크리트 튜브**

■ ***Supplied by Heinz Herenz® in Germany*** ■ ***혈액 중 적혈구의 비중을 확인하는 헤마토크리트 검사에 사용되며, 원심분리기와 함께 사용***
■ ***Color Coded : (1) Blue "Non-Heparinized" (2) Red "Heparinized"*** ∗ 100pcs/Vial Pk., 10Pk./Cs.

〈L1〉

(1) Blue Coded : Non-Heparinized, 75㎕

		Pk.	Price, ₩	Cs.	Price, ₩
HH.1080801	Micropipet, 75㎕, Capill., Blue	100ea	7,150	10pk	66,130

(2) Red Coded : Heparinized, 75㎕

∗ Heparinized Tubes Prevent Blood from Clotting.

		Pk.	Price, ₩	Cs.	Price, ₩
HH.1080802	Micropipet, Heparin, 75㎕, Capill., Red	100ea	7,150	10pk	66,130

(3) Sealing Waxplate

∗ For Hematocrit Tubes, 2pcs/Bag Pk.

		Ea.	Price, ₩	Pk.	Price, ₩
HH.1131821	Sealing Waxplate		7,950	2ea	15,430


(1)
(2)

Heinz® End-to-End Capillary Micropipet with Minicaps, Disposable, 1~50㎕

For Blood Taking, DURAN® Glass L30~32mm, **일회용 마이크로 피펫, 혈액채취용**

■ ***Supplied by Heinz Herenz® in Germany*** ■ ***Suitable for Capillary Blood Taking. acc. to Prof. Delbrück.***
∗ 100Pcs/Vial Pk., 10Pk/Cs

〈L1〉

(1) Non-Heparinized, 1~50㎕

		Pk.	Price, ₩	Cs.	Price, ₩
HH.1080805	Micropipet, Capill. L30~32mm, 1㎕	100ea	20,590	10pk	190,540
HH.1080806	, 2㎕	100ea	20,590	10pk	190,540
HH.1080809	, 5㎕	100ea	20,590	10pk	190,540
HH.1080810	, 10㎕	100ea	20,590	10pk	190,540
HH.1080811	, 20㎕	100ea	20,590	10pk	190,540
HH.1080813	, 50㎕	100ea	21,400	10pk	198,140

(2) Heparinized, Natrium-Heparin, 10~50㎕

		Pk.	Price, ₩	Cs.	Price, ₩
HH.1080814	Micropipet, Heparin, Capill. L30~32mm, 10㎕	100ea	20,590	10pk	190,540
HH.1080815	, 20㎕	100ea	20,590	10pk	190,540
HH.1080817	, 50㎕	100ea	21,400	10pk	198,140


Capillary Micropipet

Heinz® Capillary Micropipet, Ringcaps, DURAN® Glass L125mm

With Ring Marks, Disposable, 1㎕~100㎕, **일회용 Micro 캐필러리 피펫**

■ ***Supplied by Heinz Herenz® in Germany*** ∗ 250pcs/ea Can Pk., 4Can/Cs.

〈L1〉

(1) Non-Heparinized-type, 1~100㎕

		Pk.	Price, ₩	Cs.	Price, ₩
HH.1080830	Micropipet, Capill. L125mm, 250ea/Can, 1/2/3/4/5㎕	250ea	91,220	4can	337,790
HH.1080838	, 5/10㎕	250ea	83,670	4can	309,870
HH.1080832	, 20㎕	250ea	78,800	4can	291,850
HH.1080833	, 25㎕	250ea	80,040	4can	296,400
HH.1080834	, 40㎕	250ea	78,800	4can	291,850
HH.1080835	, 50㎕	250ea	78,800	4can	291,850
HH.1080840	, 50/100㎕	250ea	89,890	4can	332,890

(2) Heparinized-type, 44.7㎕

		Pk.	Price, ₩	Cs.	Price, ₩
HH.1080843	Micropipet, Hepa. Capill. L125mm, 250ea/Can, 44.7㎕	250ea	86,380	4can	319,880

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



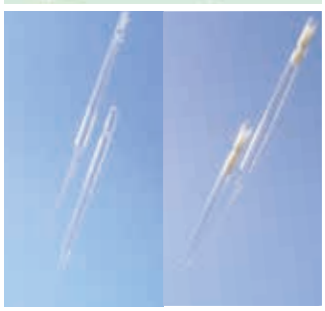
Heinz® Micropipetter, for Ring-mark Capillary Micropipets
Exchangeable Adapter, for Different Capillary Sizes, 마이크로 피펫터, 일회용 Micro Capillary 피펫용

〈L1〉

■ ***Supplied by Heinz Herenz® in Germany***

		Ea.	Price, ₩
HH.1080871	Micropipetter, for Capillary Micropipets		109,550





"witeg" Premium Pasteur Pipet, Boro-glass 3.3, L150 & 230mm
With Long Tip, High-quality, <Germany-Made> 고품질 파스츄어 피펫

∗ Excellent for use in Blood Banks, Hematology, Chemistry, Bacteriology, and all General Laboratory Applications
∗ Strong Packaging is used to Provide Maximum Protection from External Shock
∗ Made of Soda-lime Glass ∗ Capillary-inside Diameter approx. 1mm and outside Diameter approx. 7mm
∗ Capacity approx. 1.5~2㎖ ∗ Overall Length / Tip : 150/50 & 230/120mm ∗ 250pcs Packed in Dispenser-Box

〈L1〉

(1) Basic models, 기본형



		Pk.	Price, ₩	Cs.	Price, ₩
WI.4100150	Pipet, Pasteur, L150×Φ7 mm	250ea	21,900	4pk	84,970
WI.4100230	, L230×Φ7 mm	250ea	22,840	4pk	88,600
SL.Bul6020	Optional Rubber Bulb for Pasteur Pipet	1ea	400	100ea	40,000

(2) Plugged models, 면전마개 부착형

∗ Cotton Plugging type : Protecting for Pollution and Overflow

		Pk.	Price, ₩	Cs.	Price, ₩
WI.4100151	Pipet, Pasteur, plug, L150×Φ7 mm	250ea	44,330	4pk	171,940
WI.4100231	, L230×Φ7 mm	250ea	48,130	4pk	186,650



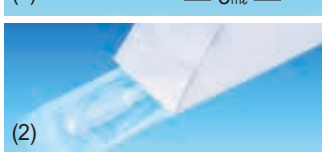
Red Rubber Bulb Only

SciLab® Rubber Bulb for Pasteur Pipets, Good Function & Safety
For All Pasteur Pipet, <Korea-Made> 파스츄어 피펫 벌브

〈L1〉

		Ea.	Price, ₩	Cs.	Price, ₩
SL.Bul6020	Pasteur Pipet Bulb, Rubber		400	100ea	40,000







Wisd™ Disposable Transfer Pipette, LDPE, Sterile or Non-sterile, 0.1~10㎖
With Molded Graduation, Unbreakable, 눈금부 드로핑 피펫/스포이드

■ ***Supplied by DAIHAN Korea*** ∗ Certified CE ∗ Low Density Polyethylene ∗ Sterilized by E.O gas
∗ -50℃+80 / 90℃, Non-Autoclavable ∗ Used in anywhere there is a need for Quickly, Safety Transfer of Fluids
∗ Used for Medical, Biotechnology, Laboratory, and Chemistry

〈L1〉

(1) Non-sterile Bulk Package

		Pk.	Price, ₩	Cs.	Price, ₩
DH.Pip3031	Pipet, PE, Stem 0.1㎖ ; Φ2.5×L38mm , Bulb 1.25㎖; Φ9.5×L27mm	500ea	13,430	20pk	248,600
DH.Pip3032	, Stem 1 / 0.25㎖; Φ5×L105mm , Bulb 4.1㎖ ; Φ13×L40mm	500ea	14,790	10pk	136,900
DH.Pip3035	, Stem 2 / 0.25㎖; Φ8×L119mm , Bulb 3㎖ ; Φ13×L31mm	500ea	15,000	10pk	138,830
DH.Pip3038	, Stem 3 / 0.5㎖ ; Φ8×L119mm , Bulb 4.4㎖ ; Φ13×L41mm	500ea	16,050	10pk	148,530
DH.Pip3041	, Stem 3 / 0.5㎖ ; Φ8×L119mm , Bulb 4.6㎖ ; Φ13×L41mm	500ea	16,050	10pk	148,530
DH.Pip3043	, Stem 3 / 0.5㎖ ; Φ8×L135mm , Bulb 5㎖ ; Φ13.5×L43mm	500ea	16,890	10pk	156,280
DH.Pip3051	, Stem 5 / 0.5㎖ ; Φ8×L155mm , Bulb 7㎖ ; Φ14.5×L53mm	250ea	19,190	10pk	177,690
DH.Pip3052	, Stem 10 / 1㎖ ; Φ8.5×L228mm, Bulb 12㎖ ; Φ18×L67mm	100ea	11,870	20pk	109,910

(2) Sterile Individual Package of Paper - Plastic

		Pk.	Price, ₩	Cs.	Price, ₩
DH.Pip3033	Pipet, PE, Stem 1 / 0.25㎖; Φ5×L105mm , Bulb 4.1㎖; Φ13×L40mm	500ea	39,640	6pk	220,200
DH.Pip3036	, Stem 2 / 0.25㎖; Φ8×L119mm , Bulb 3㎖ ; Φ13×L31mm	500ea	40,930	6pk	227,320
DH.Pip3039	, Stem 3 / 0.5㎖ ; Φ8×L119mm , Bulb 4.4㎖; Φ13×L41mm	500ea	40,930	6pk	227,320
DH.Pip3042	, Stem 3 / 0.5㎖ ; Φ8×L119mm , Bulb 4.6㎖; Φ13×L41mm	500ea	40,930	6pk	227,320
DH.Pip3044	, Stem 3 / 0.5㎖ ; Φ8×L135mm , Bulb 5㎖ ; Φ14.5×L53mm	500ea	42,200	6pk	234,420
DH.Pip3045	, Stem 5 / 0.5㎖ ; Φ8×L155mm , Bulb 7㎖ ; Φ14.5×L54mm	100ea	11,870	20pk	109,910
DH.Pip3046	, Stem 10 / 1㎖ ; Φ8.5×L228mm, Bulb 12㎖ ; Φ18×L67mm	100ea	15,350	20pk	142,130

(3) Sterile 10pcs Inner Package of Paper - Plastic

		Pk.	Price, ₩	Cs.	Price, ₩
DH.Pip3034	Pipet, PE, Stem 1 / 0.25㎖; Φ5×L105mm, Bulb 4.1㎖; Φ13×L40mm	10ea	590	300pk	159,750
DH.Pip3037	, Stem 2 / 0.25㎖; Φ8×L119mm, Bulb 3㎖ ; Φ13×L31mm	10ea	600	300pk	164,250
DH.Pip3040	, Stem 3 / 0.5㎖ ; Φ8×L119mm, Bulb 4.4㎖; Φ13×L41mm	10ea	600	300pk	164,250



Kartell® Premium Bellows Dropping Pipet, PE, Graduated, 1.5 & 5.0㎖
With Individual Wrapped, "Bellows" type, −50℃+80℃, <Italy-Made> PE 풀무타입 드로핑 피펫

■ ***Blow-moulded in One-piece with High Capacity Bellows, LDPE***
∗ Ideal for Sampling & Decanting

〈L1〉

		Pk.	Price, ₩	Cs.	Price, ₩
KA.315	Pipet, PE, Drop., 1.5 / 0.5㎖, L134mm, stem Φ8mm	100ea	24,100	20pk	467,340
KA.316	, 5.0 / 1.0㎖, L195mm, stem Φ10mm	100ea	29,490	12pk	343,230

Articles	Cat. No	Description



SciLab® Premium Glass Dropping Pipet with Rubber Bulb, with Ball Bulb in Stem and Graduation, 2~20㎖

With Heavy-duty Glass Pipet, **글라스 드로핑 피펫(스포이드 피펫), 정밀 눈금부**

- ***Supplied by SciLab Korea***
- ***Pipet Stem 상부에 완충용 안전 Ball Bulb가 있어 Rubber Bulb안으로 용액이 들어가지 않음.***
- ***Straight Pipet. Bulb in Stem keeps Liquid from Entering Rubber Bulb.***

∗ Suck Suction / Dispense Rubber Bulb does not Enter into the Solution Safety Dropping Pipet

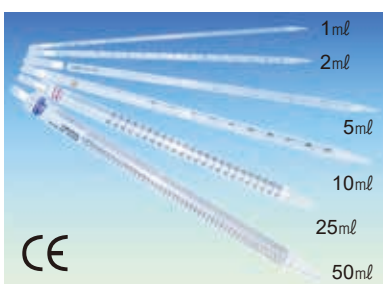
∗ The Upper Part of the Scale Buffer Pipet Stem Ball Bulb to be Safe.

〈L1〉

		dh Pk.	Price, ₩	Cs.	Price, ₩
SL.Pip2001	Pipet, Drop., gl., 2 / 0.1㎖, L130×Ball Φ8mm	1ea	2,330	10ea	19,380
SL.Pip2002	, 3 / 0.1㎖, L165×Ball Φ8mm	1ea	2,570	10ea	21,320
SL.Pip2003	, 5 / 0.1㎖, L185×Ball Φ10mm	1ea	2,800	10ea	23,250
SL.Pip2004	, 10 / 0.1㎖, L215×Ball Φ13mm	1ea	3,970	10ea	32,940
SL.Pip2005	, 20 / 0.5㎖, L250×Ball Φ16mm	1ea	6,290	10ea	52,320

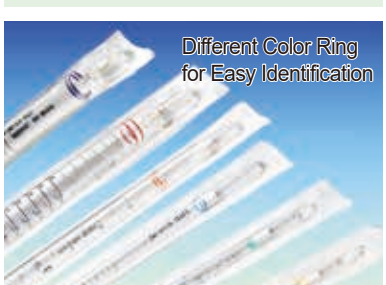
Biofil® Disposable Sterile Serological Pipet, PS, Fine Graduated, Quality Traceable, 1~100㎖

Ideal for Precise Pipetting, Sterile Package, accu. ±2%, "CE marked", −20℃+50℃, **일회용 메스(전량) 피펫**









- ***Manufactured in Class 100,000 Cleanroom with Materials Conforming to USP CLASS VI Standards under the Quality Control of ISO 13485 & 9001 and CE.***
- ***Batch Certifications : Lot No. is Printed on Every Case (or Pack) for Quality Traceability.***
- ***Made of Virgin Polystyrene.***

∗ Available with 7 Capacities : 1, 2, 5, 10, 25, 50 and 100㎖ ∗ Strict Consistency tested.

∗ Different Color Ring for Easy Identification.
: 1㎖(Yellow), 2㎖(Green), 5㎖(Blue), 10㎖(Orange), 25㎖(Red), 50㎖(Purple) and 100㎖(Pink)

∗ 1, 2 and 5㎖ are stretched, 10, 25, 50㎖ and 100㎖ are Ultrasonically welded at Tip and Mouth-piece.

∗ Graduation are calibrated for Accurate Dispensing to within ±2%. ∗ Sterilized by Gamma Radiation

∗ Negative Graduation allows Additional Working Volume. ∗ All Pipets are supplied with a Filter Plug.

〈L1〉

(1) Individual Package of "PAPER - PLASTIC"

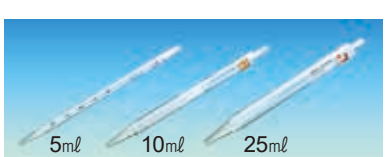
		Cs.	Price, ₩
J1.P010.001	Pipet, Dispos., Sterile, 1.00 / 0.01㎖, Yellow , L 268.5 ± 2mm	500ea	65,170
J1.P010.002	, 2.00 / 0.02㎖, Green , L 272.0 ± 2mm	500ea	78,200
J1.P010.005	, 5.0 / 0.1㎖, Blue , L 341.0 ± 2mm	200ea	39,100
J1.P211.010	, 10.0 / 0.1㎖, Orange, L 303.4 ± 3mm	200ea	41,280
J1.P010.025	, 25.0 / 0.2㎖, Red , L 308.5 ± 2mm	150ea	56,770
J1.P010.050	, 50.0 / 0.5㎖, Purple , L 346.2 ± 2mm	100ea	76,230
J1.P010.100	, 100.0 / 1.0㎖, Pink , L 346.8 ± 2mm	50ea	86,880

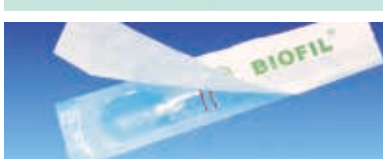
(2) Individual Package of "PLASTIC - PLASTIC" Ideal for Wet-Handing and for No-Contamination

		Cs.	Price, ₩
J1.P020.001	Pipet, Dispos., Sterile, 1.00 / 0.01㎖, Yellow , L 268.5 ± 2mm	500ea	123,100
J1.P020.002	, 2.00 / 0.02㎖, Green , L 272.0 ± 2mm	500ea	153,880
J1.P020.005	, 5.0 / 0.1㎖, Blue , L 341.0 ± 2mm	200ea	81,340
J1.P020.010	, 10.0 / 0.1㎖, Orange, L 346.3 ± 2mm	200ea	87,930
J1.P020.025	, 25.0 / 0.2㎖, Red , L 308.5 ± 2mm	150ea	123,100
J1.P020.050	, 50.0 / 0.5㎖, Purple , L 346.2 ± 2mm	100ea	158,270
J1.P020.100	, 100.0 / 1.0㎖, Pink , L 346.8 ± 2mm	50ea	136,090

(3) Bulk Pack : Sterile Inner Pack

		Pk.	Price, ₩	Cs.	Price, ₩
J1.P012.001	Pipet, Dispos., Sterile, 1.00 / 0.01㎖, Yellow , L 268.5 ± 2mm	25ea	4,780	40pk	173,190
J1.P012.002	, 2.00 / 0.02㎖, Green , L 272.0 ± 2mm	25ea	5,700	40pk	206,500
J1.P012.005	, 5.0 / 0.1㎖, Blue , L 341.0 ± 2mm	25ea	7,870	20pk	142,740
J1.P112.010	, 10.0 / 0.1㎖, Orange, L 303.4 ± 3mm	25ea	6,570	16pk	95,170
J1.P012.025	, 25.0 / 0.2㎖, Red , L 308.5 ± 2mm	10ea	5,880	15pk	79,950
J1.P012.050	, 50.0 / 0.5㎖, Purple , L 346.2 ± 2mm	10ea	11,000	10pk	99,930
J1.P012.100	, 100.0 / 1.0㎖, Pink , L 346.8 ± 2mm	10ea	20,940	6pk	114,200





Biofil® Disposable Sterile Short Serological Pipet with Filter Plug, L23.5cm, 5~25㎖

PS, Disposable, Fine Graduated, Indiviual Sterile Package, **일회용 단형 메스피펫**

- ***Manufactured in Class 100,000 Cleanroom with Materials Conforming to USP CLASS VI Standards under the Quality Control of ISO 13485 & 9001 and CE.***
- ***Batch Certifications : Lot No. is Printed on Every Case (or Pack) for Quality Traceability.***

∗ Different Color Ring for Easy Identification. ; 5.0㎖(Blue), 10.0㎖(Orange), 25.0㎖(Red), Scale Acc. ±2%.

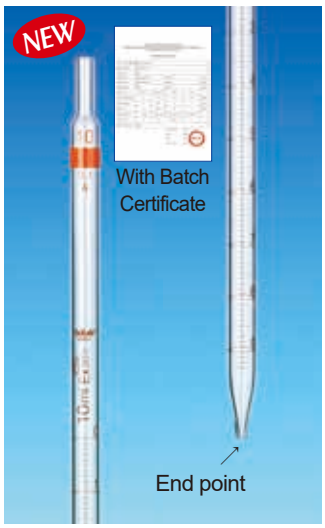
∗ All Pipets are supplied with a Filter Plug, γ-Sterile.

〈L1〉

		Cs.	Price, ₩
J1.P010.205	Pipet, Short, 23.5cm, Dispos., Sterile, 1ea/Pk, 5.0 / 0.1㎖, Blue	200ea	73,280
J1.P010.210	, 10.0 / 0.2㎖, Orange	150ea	73,280
J1.P010.225	, 25.0 / 0.5㎖, Red	100ea	65,950

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



SciLab® AS-Class Serological Measuring Pipet, with Batch Certificate, 0.2~50㎖
With Amber Stain Graduation & Color-Code, 세로로지컬 메스(전량)피펫, 갈색침투눈금

■ Supplied by SciLab Korea ■ with Batch Certificate (배치성적서 포함)
■ 다양한 액체 부피를 정확하게 측정하고 옮기는데 용이함
∗ Serological-type : Graduation Marks Continue to the Nozzle ∗ Amber Stain Graduations
∗ Easy to Select / Choose with Color-code

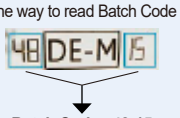
〈L1〉

		Ea. Price,₩	Pk.	Price, ₩
SL.Pip1002	Pipet, Serological, 0.2 / 0.01㎖, accu. ±0.006㎖, White		10ea	41,520
SL.Pip1003	, 0.5 / 0.02㎖, ±0.008㎖, Green		10ea	47,920
SL.Pip1004	, 1 / 0.01㎖ , ±0.01㎖ , Yellow		10ea	33,760
SL.Pip1005	, 2 / 0.02㎖ , ±0.012㎖, Black		10ea	28,330
SL.Pip1006	, 5 / 0.05㎖ , ±0.025㎖, Red		10ea	31,920
SL.Pip1007	, 10 / 0.1㎖ , ±0.05㎖ , Orange		10ea	31,920
SL.Pip1009	, 20 / 0.1㎖ , ±0.1㎖ , Yellow	4,590	10ea	44,530
SL.Pip1010	, 25 / 0.1㎖ , ±0.1㎖ , White	4,940	10ea	47,920
SL.Pip1011	, 50 / 0.2㎖ , ±0.1㎖ , Black	7,630	10ea	74,020

"witeg" Batch Certificate - Easy, Compliant and Available at Anytime

- Can Download the Certificate from 'http://www.witeg.de/en/certificate-center/' with Bath Code On the Surface of the Product.
- Fill in the Batch Code and Click your Product type : Pipette, Flask, Cylinder, Burette
- Contains Production Date, Batch Code and Results of Testing

The way to read Batch Code



Batch Code : 48-15



Batch Certificate

"witeg" Premium Certified AS-and B-class SEROLOGICAL Measuring Pipet, 0.1~50㎖
With Amber Stain Graduation & Color-code, DIN/ISO, <Germany-Made> 세로로지컬 메스(전량)피펫, 갈색침투눈금



■ Serological-type ; 피펫 끝(Inlet/Outlet-Nozzle)까지의 용량을 사용. 즉, Nozzle까지 눈금이 표시됨
; Zero Point at the Inlet/Outlet of Nozzle

〈L1〉

(1) Class AS, with Batch Certificate, Waiting time 5sec.

		Ea. Price,₩	Pk.	Price, ₩
WI.3510051	Pipet, Sero-A, 0.5 / 0.01㎖, accu. ±0.006㎖, 2 Yellow	8,190	12ea	95,150
WI.3510101	, 1 / 0.01㎖, ±0.007㎖, Yellow	4,880	12ea	56,620
WI.3510202	, 2 / 0.02㎖, ±0.010㎖, Black	5,250	12ea	61,020
WI.3510505	, 5 / 0.05㎖, ±0.030㎖, Red	5,880	12ea	68,240
WI.3510710	, 10 / 0.1㎖, ±0.050㎖, Orange	5,370	12ea	62,240
WI.3510810	, 20 / 0.1㎖, ±0.100㎖, 2 Yellow	10,780	12ea	125,230
WI.3510910	, 25 / 0.1㎖, ±0.100㎖, White	9,490	12ea	110,390

(2) Class B, Popular Item

		Ea. Price,₩	Pk.	Price, ₩
WI.3500011	Pipet, Sero, 0.1 / 0.01㎖ , accu. ±0.010㎖, White	5,880	12ea	68,240
WI.3500022	, 0.2 / 0.002㎖, ±0.010㎖, 2 White	6,430	12ea	74,670
WI.3500051	, 0.5 / 0.01㎖, ±0.010㎖, 2 Yellow	3,740	12ea	43,370
WI.3500101	, 1 / 0.01㎖, ±0.010㎖, Yellow	3,400	12ea	39,340
WI.3500202	, 2 / 0.02㎖, ±0.015㎖, Black	3,400	12ea	39,340
WI.3500510	, 5 / 0.1㎖, ±0.040㎖, Blue	3,290	12ea	38,140
WI.3500710	, 10 / 0.1㎖, ±0.080㎖, Orange	4,090	12ea	47,380
WI.3500810	, 20 / 0.1㎖, ±0.150㎖, 2 Yellow	7,640	12ea	88,700
WI.3500910	, 25 / 0.1㎖, ±0.200㎖, White	7,120	12ea	82,700
WI.3500950	, 50 / 0.2㎖, ±0.400㎖, Black	17,900	6ea	104,170



"witeg" Premium USP Standard AS-class Serological Graduated Pipet, 1~10㎖
With Batch Certificate, ASTM E, Amber Stain Scale & Color-code, DIN/ISO, <Germany-Made> USP 표준 피펫

■ Printed with Batch Code : Downloadable Batch Certificate
■ USP : United States Pharmacopeia Standard
■ Zero Point at the Upper End of the Scale, ASTM E 1293, DIN / ISO 835
■ Calibrated to Deliver (EX), 5 sec Waiting Time
■ DE-M Marked (German Calibration Law)
∗ Made of Soda-Lime Glass, Main Point Ring Scale

〈L1〉

		Ea. Price,₩	Pk.	Price, ₩
WI.3510101USP	Pipet, Serological, USP, 1 / 0.01㎖, accu. ±0.01㎖, Yellow	5,670	12ea	65,840
WI.3510202USP	, 2 / 0.02㎖, ±0.01㎖, Black	5,980	12ea	69,450
WI.3510505USP	, 5 / 0.05㎖, ±0.02㎖, Red	6,920	12ea	80,290
WI.3510710USP	, 10 / 0.1㎖, ±0.03㎖, Orange	7,190	12ea	83,500

Articles	Cat. No	Description



SciLab® AS-Class Volumetric Pipet, with Batch Certificate, 1~100㎖
With Amber Stain Graduation & Color-Code, 볼류메트릭/홀 피펫, 갈색침투눈금

■ ***Supplied by SciLab Korea*** ■ ***Printed with Batch Code : Downloadable Batch Certificate***
■ ***특정 부피의 액체를 정확하게 옮기기 위해 사용, 정량분석에 적합***
∗ Calibrated to Deliver(EX) 20℃ ∗ Amber Stain Graduations
∗ Easy to Select / Choose with Color-code

〈L1〉

		Ea. Price,₩	Pk.	Price, ₩
SL.Pip1021	Pipet, Volumetric, 1㎖ , accu. ±0.007㎖, Blue	4,220	10ea	40,940
SL.Pip1022	, 2㎖ , ±0.01㎖ , Orange	4,220	10ea	40,940
SL.Pip1023	, 3㎖ , ±0.015㎖, Black	4,500	10ea	43,650
SL.Pip1024	, 5㎖ , ±0.015㎖, White	4,520	10ea	43,850
SL.Pip1025	, 10㎖ , ±0.02㎖ , Red	4,940	10ea	47,920
SL.Pip1026	, 15㎖ , ±0.025㎖, Green	5,320	10ea	51,610
SL.Pip1027	, 20㎖ , ±0.03㎖ , Yellow	5,820	10ea	56,460
SL.Pip1028	, 25㎖ , ±0.03㎖ , Blue	6,180	10ea	59,950
SL.Pip1029	, 50㎖ , ±0.05㎖ , Red	7,990	10ea	77,510
SL.Pip1030	, 100㎖, ±0.08㎖ , Yellow	10,540	10ea	102,240

"witeg" Premium Certified AS-and B-class Volumetric Pipet, with Batch Certificate, 0.5~100㎖
With Amber Stain Graduation & Color-code, DIN/ISO, <Germany-Made> 볼류메트릭/홀 피펫, 갈색침투눈금



■ ***Printed with Batch Code : Downloadable Batch Certificate***
∗ DIN / ISO 648 ∗ DE-M Marked (Germany Calibration Low), Certificated to Deliver(EX), 5 sec Waiting Time
∗ Color-code, One-mark Volumetric & Security bulb

〈L1〉

(1) Class AS, with Batch Certificate

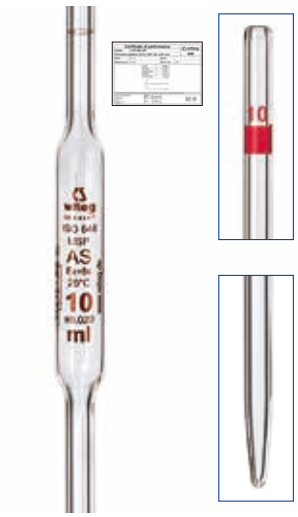
		Ea. Price,₩	Pk.	Price, ₩
WI.3535005	Pipet, Volumetric, 0.5㎖, accu. ±0.005㎖, 2 Black	6,030	12ea	70,000
WI.3535010	, 1.0㎖, ±0.008㎖, Blue	6,380	12ea	74,080
WI.3535020	, 2.0㎖, ±0.010㎖, Orange	6,650	12ea	77,220
WI.3535030	, 3.0㎖, ±0.010㎖, Black	6,950	12ea	80,840
WI.3535040	, 4.0㎖, ±0.015㎖, 2 Red	9,100	12ea	105,670
WI.3535050	, 5.0㎖, ±0.015㎖, White	8,000	12ea	93,040
WI.3535060	, 6.0㎖, ±0.015㎖, 2 Orange	10,920	12ea	126,900
WI.3535070	, 7.0㎖, ±0.015㎖, 2 Green	10,920	12ea	126,900
WI.3535080	, 8.0㎖, ±0.020㎖, Blue	10,490	12ea	121,930
WI.3535090	, 9.0㎖, ±0.020㎖, Black	10,720	12ea	124,630
WI.3535100	, 10.0㎖, ±0.020㎖, Red	8,900	12ea	103,420
WI.3535150	, 15.0㎖, ±0.020㎖, Green	11,730	12ea	136,380
WI.3535200	, 20.0㎖, ±0.030㎖, Yellow	12,480	6ea	72,480
WI.3535250	, 25.0㎖, ±0.030㎖, Blue	10,720	6ea	62,330
WI.3535300	, 30.0㎖, ±0.030㎖, Black	17,790	6ea	103,420
WI.3535500	, 50.0㎖, ±0.050㎖, Red	14,520	6ea	84,450
WI.3535900	, 100.0㎖, ±0.080㎖, Yellow	24,530	6ea	142,690

(2) Class B, Popular Item

		Ea. Price,₩	Pk.	Price, ₩
WI.3530005	Pipet, Volumetric, 0.5㎖, accu. ±0.010㎖, 2 Black	3,980	12ea	46,170
WI.3530010	, 1.0㎖, ±0.015㎖, Blue	5,250	12ea	61,020
WI.3530020	, 2.0㎖, ±0.015㎖, Orange	5,670	12ea	65,840
WI.3530030	, 3.0㎖, ±0.015㎖, Black	7,800	12ea	90,740
WI.3530040	, 4.0㎖, ±0.020㎖, 2 Red	5,880	12ea	68,240
WI.3530050	, 5.0㎖, ±0.020㎖, White	7,530	12ea	87,520
WI.3530100	, 10.0㎖, ±0.030㎖, Red	8,780	12ea	101,980
WI.3530150	, 15.0㎖, ±0.040㎖, Green	9,700	6ea	56,420
WI.3530200	, 20.0㎖, ±0.050㎖, Yellow	9,300	6ea	53,990
WI.3530250	, 25.0㎖, ±0.050㎖, Blue	11,180	6ea	65,040
WI.3530300	, 30.0㎖, ±0.050㎖, Black	11,390	6ea	66,230
WI.3530500	, 50.0㎖, ±0.080㎖, Red	18,230	6ea	105,980
WI.3530900	, 100.0㎖, ±0.120㎖, Yellow			

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



"witeg" Premium USP Standard AS-class Volumetric Pipet, with Batch Certificate, 0.5~100㎖
ASTM E, with Amber Stain Scale & Color-code, DIN/ISO, <Germany-Made> USP 표준 볼류메트릭 피펫

■ ***Printed with Batch Code : Downloadable Batch Certificate***
■ ***ASTM E 969, DIN / ISO 648***
■ ***USP : United States Pharmacopeia Standard***
■ ***Calibrated to Deliver (EX), 5 sec Waiting Time***
■ ***DE-M Marked (German Calibration Law)***
∗ Made of Soda-Lime Glass

〈L1〉

		Ea. Price,₩	Pk.	Price, ₩
WI.3535005USP	Pipet, Volumetric, USP, 0.5㎖ , accu. ±0.006㎖, 2 Black	6,920	12ea	80,290
WI.3535010USP	, 1.0㎖ , ±0.006㎖, Blue	6,920	12ea	80,290
WI.3535020USP	, 2.0㎖ , ±0.006㎖, Orange	7,400	12ea	85,920
WI.3535030USP	, 3.0㎖ , ±0.01㎖, Black	7,640	12ea	88,700
WI.3535050USP	, 5.0㎖ , ±0.01㎖, White	9,250	12ea	107,590
WI.3535100USP	, 10.0㎖ , ±0.02㎖, Red	10,020	12ea	116,420
WI.3535150USP	, 15.0㎖ , ±0.03㎖, Green	11,250	12ea	130,850
WI.3535200USP	, 20.0㎖ , ±0.03㎖, Yellow	11,850	6ea	68,850
WI.3535250USP	, 25.0㎖ , ±0.03㎖, Blue	12,180	6ea	70,850
WI.3535500USP	, 50.0㎖ , ±0.05㎖, Red	15,800	6ea	91,920
WI.3535900USP	, 100.0㎖, ±0.08㎖, Yellow	25,490	6ea	148,330



73-holes Assembly Deluxe Rotary Pipet Stand, PP, Autoclavable, Easy Cleaning
With 2-Layer Rotary Plate, 125/140℃, <Korea-Made> PP 조립식 대용량 피펫 스탠드, 73-홀, 회전형

■ ***Made of Polyprophylene(PP), -10℃+125/140℃, Autoclavable***
∗ This Accommodates 28 Pipettes with Diameters not Exceeding 11mm, Plus 45 Pipettes with Diameters not Exceeding 14mm.
∗ Dimension : Φ230 mm×h450 mm, 300g ∗ Upper / Lower Integral Prevents Damage to the Rotary Type of Pipet
∗ 73 Holes-size(4-Lines) : Φ11 mm×28Holes(1Line×11Holes, 2Line×17Holes)
Φ14 mm×45Holes(3Line×21Holes, 4Line×24Holes)
∗ Pipet Stand Main Support & Drain Receiving Level of the External Leak off Through the Pipet

〈L1〉

		Set.	Price, ₩
SL.Sta3010	Pipet Stand, PP, 73-Places, Φ230×h450mm, Blue		7,650
SL.Sta3012	, Gray		7,650



7~14 Places Assembly Multi-function Pipet Rack-Stand, Acryl
With 7-horizontal and 7-vertical Places, 다기능 조립식 아크릴 피펫 랙-스탠드

■ ***Supplied by SciLab Korea*** ■ ***Compact Multi-Function / Transparent***
■ ***Two-way Holding System : Can Hold 7 Pipets Vertically and Horizontally at the same time***
∗ For Measuring & Volumetric Pipets
∗ Stable Triangle Stand-type, Space Saving

〈L1〉

		Ea.	Price, ₩
SL.Ra0201	Pipet Rack, Two-way, Φ14mm×7 hole, 105×207×h224mm		17,500



12 places Assembly Horizontal Pipet Stand, PP, Dual Side (2×6 places), Very Stable
With 3 metal rods coated with PP, −10℃+125/140℃, PP 조립식 피펫 스탠드

■ ***Supplied by SciLab Korea*** ■ ***Detachable, White Molded in Polypropylene***
∗ Autoclavable Stand with 2 Sides which are attached to each other with 3 metal rods coated with PP
∗ Holding 12 Pipets of Length 200mm Over ∗ Dimension : 210×145×h210 mm

〈L1〉

		Ea. Price,₩	Pk.	Price, ₩
SL.Rac3096	Pipet Stand, PP, 12 places	8,350	6ea	48,390



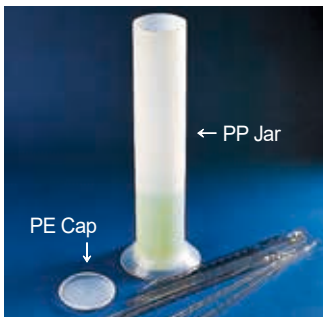
Pipet Storage/Sterilizing Box, PP, Adjustable Length 350~665mm, Φ65mm
With Telescopic Screw Closure, −10℃+125/140℃, PP 피펫 보관/멸균통, 길이 조정형

■ ***Supplied by SciLab Korea*** ■ ***스크류 커버로 원하는 길이에 맞게 조절하여 사용이 가능함***
∗ Made of Polypropylene ∗ Can be Extended up to 665mm.
∗ The Top of the Box Screws on the Bottom and the Height can be Adjusted by Screwing or Unscrewing the Top
∗ Autoclavable

〈L1〉

		Ea.	Price, ₩
SL.Rac3191	Pipet Sterilizing Box, Φ65×h350~665mm Adjustable Length.		11,050

Articles	Cat. No	Description



Kartell® Pipette Storage Jar, PP, Autoclavable, −10℃+125/140℃
With Tight Fitting PE Cap, <Italy-Made> 피펫 보관 및 세척조, 캡 포함

Versatile, Rugged, Suitable for Storing Pipette. No more chipped ends as pipettes are cushioned by PP.
The jar, but not the PE cap, can be autoclaved at 120℃ for 20 min. Can be easily cut down to suit shorter length pipettes.

* Tight Fitting Cover Protects Pipettes during Transportation and from Dust etc.
* Welded Flanged Base Gives Excellent Stability.

〈L1〉

		Ea.	Price, ₩
KA.592	Pipette Jar, PP, with PE Cap Φ82×h426 mm, inner h410 mm		65,220


Suggested Basic Set for Burettes


(1)


(2)


(3)

Kartell® Automatic Pipette/Burette Washer, PP/PE, Up to L600mm
Consists of Washer · Jar · Basket, each ordered Separately, <Italy-Made> PP/PE 자동 피펫/뷰렛 세척기

■ ***Ideal for the Laboratory where Radioactive, Caustic and Toxic materials are in use***

* High Quality and High Speed
* Washing Pipettes up to 600mm long and Mohr Burettes Quickly and Safely
* The PE Washer Fills via the Spray Nozzle located on the Top Rim.
* Contaminated Water will be discharged totally via the Large Diameter Drain located at the Lowest Point
* Specially designed Baskets minimize Breakages as it Buffers the Tips of Pipettes against the soft PE Base.
* Additional Baskets and Jars are recommended as Soaking takes the Longest Time.
* Outlet tubing id Φ13mm (not included)

▶ **Suggested Basic Set:**

* **for Pipettes** : 1×Washer(217) + 2×Basket(222) + 1×Jar(221)
* **for Burettes** : 1×Washer(215) + 2×Basket(219) + 2×Handle(1219) + 1×Jar(218)

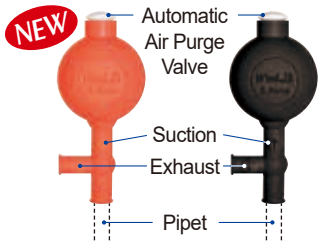
〈L1〉

		Ea.	Price, ₩
KA.215	**(1) Burette Washer, Auto,** Φ173× h980mm		367,090
KA.217	**Pipette Washer, Auto,** Φ170× h734mm		350,050
KA.218	**(2) Burette Jar, for Soaking,** Φ165×h650mm		162,590
KA.221	**Pipette Jar, for Soaking,** Φ165×h503mm		162,590
KA.219	**(3) Burette Basket**, for Handling, Φ145×h280mm, Total h645mm		72,430
KA.222	**Pipette Basket**, for Handling, Φ145×h280mm, Total h495mm		67,620
KA.1219	**Extension Handle,** for 219 Burette Basket, L290mm		16,080

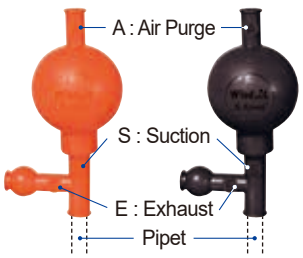
※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description

(1) FLIP-One Hand Operated-type



(2) Standard-type



Wisd™ Safety Pipet Filler, Built-in 2 or 3 Ball Valves, Up to 100㎖ Pipets
Made of Natural Rubber & Fine Boro-Glass Ball Valves, 안전 피펫필러

- ***Made in Korea***
- ***Pipette Filler works Via a Series of Fine Boro-Glass Ball Valves For Air Release, Suction and Delivery***

(1) FLIP-One Hand Operated-type, with 2-Fine Boro-Glass Ball Valves NEW

- ***Easy to Use***
- ***Two Pressure Valves for Suction and Release of Liquid up to 100㎖***
- ***One Automatic Air Purge Valve for Effective Cleaning by Removing the Automatic Valve***

∗ Good for Single Handed Operation

〈L1〉

		Ea.	Price, ₩
DH.Bul605	Pipet Filler, Natural Rubber, Flip-type, up to 100㎖, Red		7,900
DH.Bul606	, Black		7,900

(2) Standard-type, with 3-Fine Boro-Glass Ball Valves

∗ To Release Air inside the Bulb, Press Valve "A"

		Ea.	Price, ₩
DH.Bul601	Pipet, Filler, Natural Rubber, Standard, up to 100㎖, Red		4,400
DH.Bul602	, Black		4,400



"witeg" PP Pipet-Pump "Pi-Pump", Color-code, 2~25㎖
Made of Polypropylene(PP), −10℃+125/140℃, PP 피펫 펌프 "피-펌프"

- ***Supplied by "witeg" in Germany***
- ***흡입·분주 조절이 용이함***
- ***Delivery Valve-lever와 Wheel Controller로 용량 조절***

∗ Delivery Valve-lever & Wheel Controller

∗ Easy to Select/Choose with Color-code, Autoclavable

∗ Suction and Dispensing achieved by Rotating the Wheel Controller

∗ Valve-lever releases Vacuum to let Liquid Flow Quickly

〈L1〉

		Ea.	Price, ₩
WI.7032002	Pipet, Pi-Pump, 2㎖ and Less , Blue		23,090
WI.7032003	, 10㎖ and Less, Green		19,940
WI.7032004	, 25㎖ and Less, Red		21,800



Pasteur Pipet Bulb

SciLab® Pasteur Pipet Bulb, Rubber
Good Function & Safety, <Korea-Made> 파스츄어 피펫 벌브

〈L1〉

		Ea.	Price, ₩	Cs.	Price, ₩
SL.Bul6020	Pasteur Pipet Bulb, Rubber	400		100ea	40,000



(1) 1~10㎖ Silicone Bulb



(2) 15 · 25 · 75㎖ Rubber Bulb

SciLab® Silicone & Rubber Bulb, for Pipet/Droppers, 1~75㎖
Ideal for Suction and Dispensing, <Korea-Made> 실리콘/고무 스포이드

〈L1〉

(1) 1~10㎖ Silicone Rubber Bulbs

		Pk.	Price, ₩	Cs.	Price, ₩
SL.Bul6011	Bulb, Silicone Rubber, for 1㎖, and for 150mm Pasteur pipet	10ea	5,000	50ea	25,000
SL.Bul6012	, for 3㎖, and for 230mm Pasteur pipet	10ea	6,800	50ea	34,000
SL.Bul6013	, for 5㎖	5ea	3,800	50ea	38,000
SL.Bul6014	, for 10㎖	5ea	4,900	50ea	49,000

(2) Large Rubber Bulbs, 15 · 25 · 75㎖

		Ea.	Price, ₩
SL.Bul6017	Bulb, Large Rubber, for 15㎖		1,100
SL.Bul6018	, for 25㎖		1,400
SL.Bul6019	, for 75㎖		2,000

Articles	Cat. No	Description



"witeg" *WITO* Pipet Controller, Non-electrical Pipet Filling, 0.1~100㎖
With Replacement Filter, Lightweight, <Germany-Made> 피펫 컨트롤러, 편리형

■ 0.1~100㎖까지의 모든 피펫 사용 가능
∗ No Batteries or Chargers Needed.
∗ Easy Changeable One Way Filter Integrated
∗ Easy Instruction : 1) Smooth pressure on the bellow to "load" the WITO Pipet.
2) Fill glass or plastic Pipet. 3) Adjust the meniscus with the sensitive lever.
4) Eject your desired value. 5) Blow out the rest, if necessary.

■ 필터가 내장되어 있어 외부로부터 오염이 방지됨
∗ Simple and Robust Design for a Long Lifetime
∗ Lightweight, only 120g

〈L1〉

		Ea. Price,₩	Pk.	Price, ₩
WI.5.382.000	Pipet Controller, Blue, 0.1~100㎖		1ea	90,800
WI.5.382.006	Spare Filter, One-way, for Pipet Controller	5,670	5ea	26,190
WI.5.382.020	Spare Adapter, Silicone, for Pipet Controller	19,780		



Microlit® Comfort Grip Pipet fill™, with 2 LED Lamp for Battery Status, for 1~100㎖ Pipets
With Light Weight/-Rechargeable Battery 220V Charger, Fully Autoclavable, 피펫에이드

■ 충전식 배터리와 충전기가 같이 들어있음
■ Certified ISO 9001:2008, DAkkS(German A.A.), IAF and CE
■ Continuous Adjustment of Pump Speed during Operation and Comfortable Grip
∗ Two LEDs : Red - Low Charging, Green - Charging Status
∗ Rechargeable Battery and a Charger.
∗ Single Knob Dual Dispensing Mode : 1. Gravity Mode - on Half Press.
2. Blowout Mode (Motor Powered) - on Full Press
∗ In-line Membrane Filter (0.2 micron) Prevents Aerosol Contamination and Liquid from Entering.
∗ Ni-MH 3.6V Rechargeable Batteries are Used in Combination with Low Power Consumption Circuit and Vacuum/Pressure Pump. Allows Eight Hours of Continuous Operation.

〈L1〉

		Ea. Price,₩	Pk.	Price, ₩
ML.NE.GR.220V	Pipet Aid, 1~100㎖		1ea	161,020
WI.5.380.006E	Spare Filter, for Pipet Controller	21,800	5ea	107,180
WI.5.382.010	Spare Silicone Adapter	40,670		
ML.NE.E.STND	Optional Acrylic Stand for Easyfill Pipet Aid	38,670		

"witeg" Premium Rechargeable Pipet Aid, with LCD Display, for 0.1㎖~100㎖ Pipets, 200g
With 6 Different Speed Levels, Light Weight, Rechargeable Battery, <Germany-Made> 프리미엄급 피펫에이드, 재충전식, KC인증



■ 0.1~100㎖까지의 Glass & Plastic 피펫 사용 가능
■ 6 Different Speed Levels for Aspiration and Dispensing
■ with Speed Adjustment Button
■ Including Recharger, Table Stand and 1ea Liquid Stopping One-way Filter
∗ Large LCD Display Showing Low Battery Warning and Speed Settings
∗ Handy and Light Weighted for Fatigue-Free Pipetting, only Approximately 200g
∗ 2 Different Dispensing mode : 1. Gravity Mode – On Half press
2. Blowout Mode(Moter Powered) – On Full Press
∗ Efficient Battery for a Long Runtime, Li-Ion 3.7V 700mAh
∗ Silicone Adapter Autoclavable At 121℃
∗ Rechargeable During Use

〈L1〉

		Ea. Price,₩	Pk.	Price, ₩
WI.5.381.000	Pipet Controller, Rechargeable		1ea	397,700
WI.5.380.006E	Spare Filter, One-way, for Pipet Controller	21,800	5ea	107,180
WI.5.382.010	Spare Silicone Adapter	40,670		

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Microlit® Electronic Digital Micropipetter, with Microprocessor Controlled Piston Movement, 0.2~5,000㎕
With LCD Large Display, High Accuracy & Precision, CE · ISO · DAkkS · IAF Certified, **전자식 다기능 피펫**

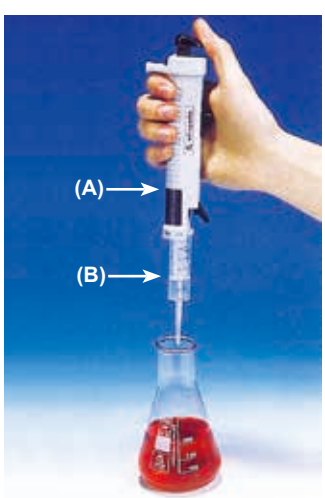


- ***LCD 디지털 디스플레이 탑재***
- ***국제 표준팁과 대부분 호환***
- ***User Friendly Software***
- ***Rechargeable during Operation***
- ***Certified ISO 9001:2008(International Standard Organization), DAkkS(German Accreditation Authority), IAF(International Accreditation Forum), CE (Conformity to European)***
- ***Universal Tipcone (Compatible with Most of the Internationally Accepted Standard Tips.)***
- ***Suitable for the Various Tips like Gilson®, Eppendorf®, Axygen®, Kartell®, Stockwell®, etc.***
- ***Comfortable & Ergonomic Design***
- ***Easy to Calibrate and Maintenance***
- ***LCD Digital Display : Two line Alphanumeric***
- ***Built-in Tip Ejector***

∗ Excellent Volume Adjustment Based on Stepper Motor with Microprocessor Controlled Piston Movement.
∗ Easy Selection of Modes from a Single Key : Standard Mode, Stepper Mode, Dilution Mode, Calibration Mode.
∗ Variable Working Speeds : Speed can be selected on a scale of 1-5.
∗ Volume Selection : Easy Volume Selection by "UP" & "DOWN" Keys.
∗ Used to Ensure the Perfect Filling and Dispensing by Large Red Button at the Center of Micropipetters
∗ Built-in Streamlined Tip Ejector Facilitates Easy Tip Ejection and Access to Narrow Necked Bottles and Tubes
∗ Battery : 9V Ni-MH Rechargeable Batteries are Used. 8 Hours of Operation with Fully Charged Batteries.
∗ Re-calibration can be Performed Easily by the User

〈L1〉

		Pk.	Price, ₩
ML.ME.10	Pipetter, Electronic, 0.2~10㎕, divi. 0.05㎕, Accu. : ≤±0.12㎕, ≤±1.2%, CV : ≤±0.08, ≤±0.8%	1set	466,940
ML.ME.120	Pipetter, Electronic, 5~120㎕, divi. 0.5㎕, Accu. : ≤±0.96㎕, ≤±0.8%, CV : ≤±0.36, ≤±0.3%	1set	466,940
ML.ME.300	Pipetter, Electronic, 20~300㎕, divi. 1.0㎕, Accu. : ≤±2.4㎕, ≤±0.8%, CV : ≤±0.9, ≤±0.3%	1set	466,940
ML.ME.1000	Pipetter, Electronic, 50~1000㎕, divi. 5.0㎕, Accu. : ≤±8㎕, ≤±0.8%, CV : ≤±3, ≤±0.3%	1set	466,940
ML.ME.5000	Pipetter, Electronic, 100~5000㎕, divi. 10㎕, Accu. : ≤±40㎕, ≤±0.8%, CV : ≤±15, ≤±0.3%	1set	466,940







PP Syringe Tips

"witeg" *WITOPETTE* Continuous Step Dispenser/Pipetter, Sterile or Non-sterile
With Adapter, 1~5000㎕ at 1-Step (Max. 50㎖), <Germany-Made> Digital **정밀 연속 Step-분주 겸 피펫터**

- ***Micro-분주기 겸 피펫터 1~5000㎕, 직접 치환 방식***
- ***시액을 Full로 충전 후 1초 간격으로 최대 48회 분주 가능하여 원하는 용량을 연속, 정밀, 신속하게 분주할 수 있음***
- ***8종의 PP Syringe Tip 선택 가능***
- ***Certified precision (DIN 12 650)***
- ***Light weight, approx. 100g***
- ***WITOPETTE is Hand Held Dispenser for 1㎕ to 5,000㎕, incl. Adapter for 25 and 50㎖.***
- ***Simple Serial Dosing within the range of 1㎕ to 5,000㎕***
- ***Allows up to 48 Dispensing steps in intervals of 1 sec. without Refill***
- ***Reproducibility and Accuracy***

∗ Micro- Dispenser / Pipetter do not Require a Bottle, 1~5,000㎕ (for Use Basic Acce. Adapter 25&50㎖)

〈L1〉

		Ea.	Price, ₩
(A) WI.5.385.200	**Dispenser, WITOPETTE**, 1~5,000㎕ (Ext. 50㎖) including Adaptor for 25&50㎖ Syringe		645,520

(B) 0.05~50㎖ Optional PP Syringe Tip

(1) Non-sterile Bulk Pack

		dh Pk.	Price,₩	Cs.	Price, ₩
WI.5.385.222	Tip, Syringe, Non-sterile, 0.05㎖, Divi. 10 ㎕	10ea	63,550	100ea	423,630
WI.5.385.223	, 0.5㎖ , Divi. 10 ㎕	10ea	22,300	100ea	148,630
WI.5.385.224	, 1.25㎖, Divi. 25 ㎕	10ea	31,970	100ea	212,980
WI.5.385.225	, 2.5㎖ , Divi. 50 ㎕	10ea	22,300	100ea	148,630
WI.5.385.226	, 5.0㎖ , Divi. 100 ㎕	10ea	22,300	100ea	148,630
WI.5.385.227	, 12.5㎖, Divi. 250 ㎕	10ea	22,300	100ea	148,630
WI.5.385.228	, 25㎖ , Divi. 500 ㎕	5ea	10,500	25ea	48,630
WI.5.385.229	, 50㎖ , Divi. 1,000 ㎕	5ea	10,500	25ea	48,630

(2) Sterile Individual Pack

		Pk.	Price, ₩	Cs.	Price, ₩
WI.5.385.252	Tip, Syringe, **Sterile**, 0.5㎖ , Divi. 10 ㎕	1ea	3,880	100ea	257,690
WI.5.385.253	, 1.25㎖, Divi. 25 ㎕	1ea	4,370	100ea	290,200
WI.5.385.254	, 2.5㎖ , Divi. 50 ㎕	1ea	4,370	100ea	290,200
WI.5.385.255	, 5.0㎖ , Divi. 100 ㎕	1ea	3,880	100ea	257,690
WI.5.385.256	, 12.5㎖, Divi. 250 ㎕	1ea	4,370	100ea	290,200
WI.5.385.257	, 25㎖ , Divi. 500 ㎕	1ea	7,140	25ea	118,900
WI.5.385.258	, 50㎖ , Divi. 1,000 ㎕	1ea	7,140	25ea	118,900

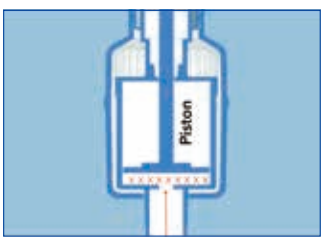
Articles	Cat. No	Description

DAIHAN® *WisdPet™* Standard Adjustable Micro & Macro Pipetter, with Ultra Low Dead Air Space, Fully Autoclavable

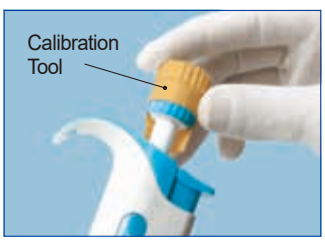
0.2～1000㎕, 5 & 10㎖, with Individual Calibration Report, Fit to Universal-type Tips, CE/ISO/DAkkS/IAF Certified, **정밀형 마이크로 피펫터, 개별 검교정 성적서 포함**



- ***Supplied by DAIHAN Korea***
- ***With Individual Calibration Report*** ■ ***Ergonomic Design***
- ***Certified ISO 9001, ISO 13485, ISO 17025, ISO 8655 (International Standard Organization), DAkkS(German Accreditation Authority), IAF(International Accreditation Forum), CE(Conformity to European)***
- ***Universal Tipcone; Compatible with Most of the Internationally Accepted Standard Tips like Gilson®, ABDOS®, Kartell®, Axygen®, Eppendorf®, etc.***
- ***Highest Accuracy and Precision*** ■ ***Easy to Calibrate and Maintenance***
- ***Specially Designed Technology to Ensure Least Dead Air Space to Achieve very High Accuracy and Precision***



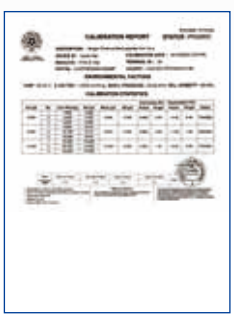
· Minimum dead air sapce between the Piston and the Liquid in the Tip



· Provide for Instant Calibration by using Calibration Tool



· Adjust Volume Easily with Plug



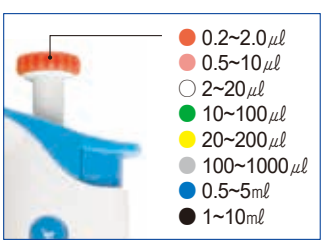
Incl. Calibration Report



· Eject Tips Easily with Tip Ejector



· Use Various Tips with a Universal Tipcone



· Various Color with Each Capacity for Easy Identification

∗ Optimised Spring Tension for Soft Effortless Plunger Movement ∗ Contains a Calibration Certificated
∗ Ergonomically Designed for Comfort Using during Long Pipetting Hours
∗ Specially Designed Concentric Ejection Force to Ensure Least Tip Ejection Force Requirement.
∗ Soft Click Sound at Every Increment Ensures Perfect Volume Setting and Prevent any Accidental Volume Change
∗ Built-in Streamlined Tip Ejector Facilitates Easy Tip Ejection and comfortable Access to Narrow Necked Bottles and Tubes.
∗ Ideal for Pharmaceutical, Academic & Research Institutes and Biotechnology.

<L1>

(1) Micropipetter

		Ea. Price, ₩
DH.Pip301	Pipetter, Micro, 0.2~2.0 / 0.01㎕, ≤± 0.04㎕, ≤±2.0 %, 1.2 CV%	90,170
DH.Pip302	, 0.5~10 / 0.05㎕, ≤± 0.1㎕, ≤±1.0 %, 0.5 CV%	90,170
DH.Pip303	, 2~20 / 0.1㎕, ≤± 0.16㎕, ≤±0.8 %, 0.4 CV%	90,170
DH.Pip304	, 10~100 / 0.5㎕, ≤± 0.6㎕, ≤±0.6 %, 0.2 CV%	90,170
DH.Pip305	, 20~200 / 1㎕, ≤± 1.2㎕, ≤±0.6 %, 0.2 CV%	90,170
DH.Pip306	, 100~1000 / 5㎕, ≤± 6㎕, ≤±0.6 %, 0.2 CV%	90,170

(2) Macropipetter

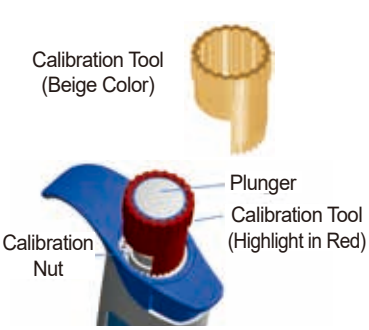
		Ea. Price, ₩
DH.Pip307	Pipetter, Macro, 0.5~5 / 0.02㎖, ≤±30㎕, ≤±0.6 %, 0.2 CV%	90,170
DH.Pip308	, 1~10 / 0.05㎖, ≤±60㎕, ≤±0.6 %, 0.2 CV%	90,170

(3) Optional Stand, Material : Polypropylene NEW

		Ea. Price, ₩
DH.Sta301	Table Stand, for 6 pipetters	112,000



Stand for 6 pipetters



Easy Calibration Technique

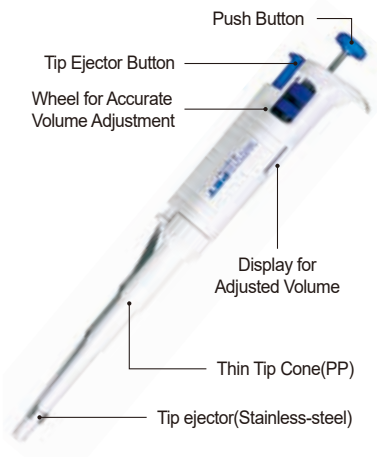
1. Before Calibration, hold the Pipette at a 90 degree Angle, Aspirate the Solution(Distilled Water) to a depth of 3 to 4mm, and then Completely expel at least 3 times.
2. Set the Pipette to 50% of its Maximum Capacity. After Completely Aspirating the Solution, Measure on an Analytical Balance 5 times and Calculate the Average Value.
3. Engage the Calibration Tool, set the Volume of the Pipette to the Calculated average Value, and Remove the Calibration Tool.
4. Set the Volume of the Pipette back 50% of its Maximum Capacity, Repeat 5 times to ensure the the Calibrated Volume is within Acceptable Limits.
5. If it is out of Tolerance, Repeat the above Procedure again.

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description

"witeg" Premium *WITOPET professional* Adjustable Micropipetter, with Color-code & Digital Display, 0.2㎕~5000㎕

Suitable for All Brand Pipetter Tips, Autoclavable, DIN/ISO, <Germany-Made> 정밀 가변형 마이크로 피펫터




Pipetter Stand



■ *인체 공학적 디자인으로 반복 사용에도 손의 피로감이 적음*
■ *모든 브랜드의 Tip 호환이 가능*
■ ***Perfect for Precise Laboratory Applications***
■ ***Suitable for All Brand Pipetter Tips***
■ ***Fully Autoclavable 121℃***

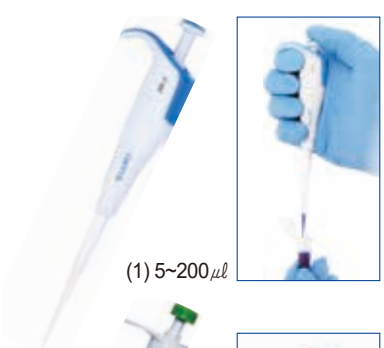
∗ High Accuracy and precision according to DIN EN ISO 8655-2
∗ Color-coded Tip Ejectors : Easy to Choose / Identify
∗ Tip Ejector and Piston made of Stainless-steel
∗ Optimized Spring Force for Comfortable Pipetting
∗ Robust and Stable Construction, Low weighted ∗ Setting the Precise Volume by Digital Display.
∗ Individual Certificate and Serial Number ∗ DE-M Marked according to the German Calibration Law

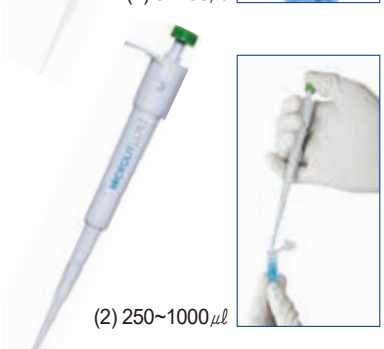
<L1>

Catalog No.	Volume ㎕	Division ㎕	Vol. tested ㎕	Systematic Errors ± ㎕	Random Errors ≤ ㎕	Color Code	Ea. Price, ₩
WI.5.402.002	0.2 - 2.0	0.01	0.2 0.5 1 2	0.08	0.04	Red	317,350
WI.5.402.010	0.5 - 10	0.1	1 5 10	0.12	0.08	Red	302,800
WI.5.402.020	2 - 20	0.1	2 10 20	0.20	0.10	Yellow	302,800
WI.5.402.100	10 - 100	1.0	10 50 100	0.80	0.30	Yellow	302,800
WI.5.402.200	20 - 200	1.0	20 100 200	1.60	0.60	Yellow	302,800
WI.5.402.901	100 - 1000	10	100 500 1000	8	3	Blue	302,800
WI.5.402.950	1000 - 5000	50	1000 2500 5000	40	15	Black	317,350
WI.5.406.107	**Optional ;** Pipetter Stand, 7-holes : Suitable for all size of WITOPET						197,770

Microlit® Miniature Fixed Volume Micropipetter, Fully Autoclavable, L130mm, 5~1000㎕

Economic Precision, with Optimum Size, CE · ISO · DAkkS · IAF Certified, 미니 고정형 피펫터, 정밀 경제형


(1) 5~200㎕


(2) 250~1000㎕

■ ***Unique Tip-Cone*** ■ ***Strict Quality Control***
■ ***Certified ISO 9001:2008(International Standard Organization), DAkkS(German Accreditation Authority), IAF(International Accreditation Forum), CE (Conformity to European)***
■ ***Specially Designed for Use with Diagnostic Kits.***
■ ***High Volume of 200/250/500/1000ul are Specially Designed for Routine Laboratory Work.***
■ ***Optimum Size (L130mm)*** ■ ***Two-step Plunger Operation***

∗ The Tip Cone of 5㎕, 10㎕, 20㎕ is Designed to Accept both Regular 200㎕ Tips or Ultra Micro Tips up to 20㎕
∗ Use of Ultra Micro Tips for Volumes up to 20㎕ Enhances the Accuracy and Precision very Significantly.
∗ Can be Used for Reverse Pipetting and Repetitive Pipetting.
∗ Supplied with Individually Calibrated as per ISO 8655 Standards and Batch Calibration Certificate

<L1>

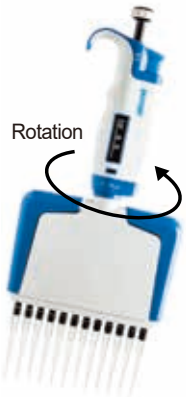
		Ea. Price, ₩
ML.LIL.5	(1) Pipetter, Micro, Fixed, Mini, 5㎕, Accu, ≤±2.5㎕, cv.≤±1.5%	14,500
ML.LIL.10	, 10㎕, , ≤±1.2㎕, cv.≤±0.8%	14,500
ML.LIL.20	, 20㎕, , ≤±1.0㎕, cv.≤±0.5%	14,500
ML.LIL.25	, 25㎕, , ≤±1.0㎕, cv.≤±0.4%	14,500
ML.LIL.50	, 50㎕, , ≤±1.0㎕, cv.≤±0.4%	14,500
ML.LIL.100	, 100㎕, , ≤±0.8㎕, cv.≤±0.3%	14,500
ML.LIL.200	, 200㎕, , ≤±0.8㎕, cv.≤±0.3%	14,500
ML.MM.250	(2) Pipetter, Micro, Fixed, Mini, 250㎕, , ≤±0.8㎕, cv.≤±0.3%	14,500
ML.MM.500	, 500㎕, , ≤±0.8㎕, cv.≤±0.3%	14,500
ML.MM.1000	, 1000㎕, , ≤±0.8㎕, cv.≤±0.3%	14,500

Articles	Cat. No	Description

Microlit® Comfortgrip Multi-channel Micro Pipetter, with Individual Calibration Report, 8- & 12- Channel, 0.5~300㎕
With Digital Display, Fully Autoclavable, ISO 9001:2008 CE · ISO · DAkkS · IAF Certified, Multi 정밀 다채널 피펫터, 개별 검교정 성적서 포함



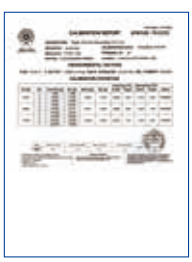
(1) 8-Ch.



(2) 12-Ch.

■ 팁 배출이 간편함 ■ 편리한 그립
■ Incl. Calibration Report ■ Easy Tip Ejection ■ Ergonomic Design
■ Fully Autoclavable at 121℃ and 15psi a Duration of 10-15 minutes.
■ Certified ISO 9001:2008(International Standard Organization), DAkkS(German Accreditation Authority), IAF(International Accreditation Forum), CE (Conformity to European)
■ Universal Tipcone (Compatible with Most of the Internationally Accepted Standard Tips.)
■ Suitable for the Various Tips like Gilson®, ABDOS®, Kartell®, Eppendorf®, Axygen®, etc
■ Soft Grip & Ergonomic Design ■ Large Grippy for Comfortable Grip
■ Lower housing can be rotated 360° providing flexibility during operation.

∗ High Quality Spring Mechanism Ensures Softer Plunger Movement.
∗ Easy Volume Adjustment by Simply Turning the Plunger. ∗ Easy to Calibrate and Maintenance
∗ Soft Click Sound at Every Increment Ensures Perfect Volume Setting and no Accidental Volume Change.
∗ 4 Digit Display with Subdivisions Provides Small Volume Increments.
∗ Specially Designed Large Grippy is Provided for Comfortable Grip and Easy During Working.
∗ Built-in Streamlined Tip Ejector Facilitates Easy Tip Ejection and Access to Narrow Necked Bottles and Tubes.
∗ Re-calibration can be Performed Easily by the User.



Incl. Calibration Report



(3) Optional Stand for 6 pipetters

(1) 8-Channel Micropipetter

<L1>

		Ea. Price, ₩
ML.RBO.MCA.8.10	Pipetter, 8-Channel, 0.5~10 / 0.02㎕, ≤±0.16㎕, ≤±1.6 %, 1 CV%	315,600
ML.RBO.MCA.8.50	, 5~50 / 0.1㎕, ≤± 0.4㎕, ≤±0.8 %, 0.4 CV%	315,600
ML.RBO.MCA.8.300	, 40~300 / 0.2㎕, ≤± 2.4㎕, ≤±0.8 %, 0.3 CV%	315,600

(2) 12-Channel Micropipetter

		Ea. Price, ₩
ML.RBO.MCA.12.10	Pipetter, 12-Channel, 0.5~10 / 0.02㎕, ≤±0.16㎕, ≤±1.6 %, 1 CV%	354,240
ML.RBO.MCA.12.50	, 5~50 / 0.1㎕, ≤± 0.4㎕, ≤±0.8 %, 0.4 CV%	354,240
ML.RBO.MCA.12.300	, 40~300 / 0.2㎕, ≤± 2.4㎕, ≤±0.8 %, 0.3 CV%	354,240

		Ea. Price, ₩
DH.Sta301	(3) Optional Stand, PP, for 6 pipetters *New*	112,000

"witeg" WITOPET premium Precision Multi-channel Micropipetter, 8- & 12- Channel, 0.5~300㎕, Highest Accuracy, Highest Comfort
GILSON-Model, Fit to Gilson Tips & Universal-type Tips, Ergonomics Design, Autoclavable, <France-Made> 프리미엄 정밀 다채널 피펫터



(1) 8-Channel



(2) 12-Channel



Pipetter Stand, 7-hole Round-type

■ 최상의 정확도와 정밀도, 가볍고 균형잡힌 인체 공학적 디자인 ■ Volume-Locking 기능으로 볼륨 변화를 방지
■ Extremely Light Weightiness, while the Robustness still Remains
■ Fully Autoclavable 121℃ ■ The Push-button is Color-coded
■ Individual Certificate and Serial Number ■ Built-in Recalibration Mechanism

(1) 8-Channel Micropipetter

■ Innovative Tip Ejector Button ; Adjustable for Right- & Left-handed Users

<L1>

Catalog No.	Volume ㎕	Division ㎕	Vol. tested ㎕	Systematic Errors ±㎕	Random Errors ≤㎕	Color-code	Ea. Price, ₩
WI.5.403.101P	0.5 - 10	0.1	0.5	0.09	0.04	Red	966,300
			10	0.22	0.11		
WI.5.403.102P	2 - 20	0.1	2	0.11	0.09	Pale Yellow	966,300
			20	0.40	0.17		
WI.5.403.120P	20 - 200	1	20	0.6	0.28	Yellow	1,062,980
			200	2.2	0.55		
WI.5.403.130P	20 - 300	1	20	1.1	0.39	Green	1,062,980
			300	3.3	1.10		

(2) 12-Channel Micropipetter

Catalog No.	Volume ㎕	Division ㎕	Vol. tested ㎕	Systematic Errors ±㎕	Random Errors ≤㎕	Color-code	Ea. Price, ₩
WI.5.403.201P	0.5 - 10	0.1	0.5	0.09	0.04	Red	1,195,770
			10	0.22	0.11		
WI.5.403.202P	2 - 20	0.1	2	0.11	0.09	Pale Yellow	1,195,770
			20	0.40	0.17		
WI.5.403.220P	20 - 200	1	20	0.6	0.28	Yellow	1,195,770
			200	2.2	0.55		
WI.5.403.230P	20 - 300	1	20	1.1	0.39	Green	1,195,770
			300	3.3	1.10		
WI.5.406.107P	**Optional ;** Pipetter Stand, 7-holes : Suitable for all size of WITOPET premium Pipetters						181,220

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



SciLab® 5-Place Universal Pipetter Station, Semi-vertical, Multi-purpose, 5 Hole
Suitable for All Brand Pipetter, 만능 피펫터 스탠드

■ ***Made in Korea***
* Use : All Single Channel Pipetters. <ex> Brand, Eppendorf, Gilson, Microlit, Socorex, VITLAB, witeg, etc.
* Made of Clear Acrylic, for 5 Pipetter * 2 Line Holding System : Safety and Convenience.

〈L1〉

Cat. No		Ea. Price, ₩
SL.Rac3110	Stand, for 5 Pipetter, 250×140×h280mm, 6mm-t	40,000



SciLab® Universal 7-Place Assembly Micropipetter Stand, Vertical-type
7-Hole, 만능형 마이크로 피펫터 스탠드, 조립식

■ ***Made in Korea***
* Universal-Type for All Brand Pipetters.
* Assembly Heavy Duty Design, 8mm Thick Base Φ160.
* Made of Acrylic : Clear upper Holder, Amber Base

〈L1〉

Cat. No		Ea. Price, ₩
SL.Rac3111	Pipetter Stand, 7 Holes, Φ160×h278mm, (Upper/Bottom) 5/8mm-t	49,250





Wisd™ Reusable Pipetting/Reagent Reservoir, PP, Sterile or Non-sterile, Autoclavable, 50㎖
Good for Chemical & Heat-Resistance, −10℃+125/140℃ Stable, PP 피펫용액 저수조

■ ***Supplied by DAIHAN Korea*** * Ideal for Liquid Transfer and Repetitive Pipetters of Single & Multi-channel.

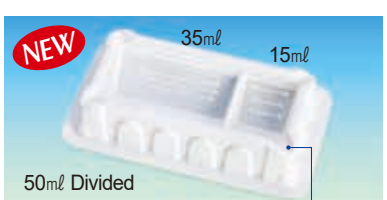
〈L1〉

(1) Non-sterile Bulk Package

Cat. No		Pk.	Price, ₩	Cs.	Price, ₩
DH.Con3301	Reservoir, PP, Non-sterile, 134×40×h25mm, 50㎖	20ea	8,290	40pk	306,900

(2) Sterile Individual Package

Cat. No		Pk.	Price, ₩	Cs.	Price, ₩
DH.Con3302	Reservoir, PP, **Sterile**, 134×40×h25mm, 50㎖	1ea	530	200ea	95,150





Wisd™ Disposable Divided Pipetting/Reagent Reservoir, PS, V-Bottom, 50(35 & 15)㎖
With Graduation, Sterile or Non-sterile, 146×81×h27mm, 일회용 피펫용액 저수조, 분할형

■ ***Supplied by DAIHAN Korea*** ■ ***Made of Virgin Rigid Polystyrene(PS), −10℃+70/80℃ Stable***
■ *분할된 공간으로 여러 시약을 동시에 사용하는 실험에 이상적*
■ *"V" 모양의 바닥으로 소량으로도 멀티 피펫팅이 가능*
* Ideal for Liquid Transfer and Repetitive Pipetters of Single & Multi-channel.
* Suitable for 4 & 8 Channel Pipettes
* Tapered "V" Bottom Minimize Reagent loss and Maximize Recovery
* Dripless Pouring Spouts on Every 4 Corners * with Graduation
* "Separation Shoulders" Prevent Stacked Reservoirs from Sticking Together
* Sterile Reservoirs are Sealed in PE Packaging



Sealed in PE Packaging

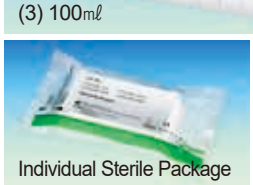
〈L1〉

Cat. No		Pk.	Price, ₩	Cs.	Price, ₩
DH.Con3303	Reservoir, PS, Divide-50(35+15)㎖, Non-sterile, Bulk			100ea	60,390
DH.Con3304	, **Sterile**, 1pcs/PE Package	1ea	1,170	100pk	108,340









Biofil® Disposable Pipetting/Reagent Reservoir, PS & PET, 25 · 50 · 100㎖
Sterile or Non-sterile, Designed for Liquid Transfer and Repetitive Pipetters, 일회용 피펫용액 저수조

■ *안정적인 바닥 구조로, 저장 및 피펫팅 시 안정적인 작업이 가능* ■ *"V" 모양의 바닥으로 시료를 효율적으로 사용 가능*
■ ***Manufactured in Class 100,000 Cleanroom with Materials Conforming to USP CLASS VI Standards under the Quality Control of ISO 13485 & 9001 and CE.***
■ ***Batch Certifications : Lot No. is Printed on Every Case (or Pack) for Quality Traceability.***
■ ***Made of Polystyrene (PS), −20℃+50℃ & Polyethylene Terephthalate(PET).***
* Slightly Tilted Inner Surface, Helping to reduce Residue * DNase and RNase free, Non-pyrogenic
* Angled Sides and V-shaped Bottom Permits Easy Access to Solution.

(1) 25㎖ PS Reservoir, V-Shape Bottom with Graduation, 146×60×h24mm

〈L1〉

Cat. No		Pk.	Price, ₩	Cs.	Price, ₩
J1.LTT012.025	Reservoir, PS, 25㎖, **Sterile**, Individual Package	1ea	830	50ea	37,030
J1.LTT002.025	, Non-sterile, Bulk			100ea	34,850

(2) 50㎖ PET Reservoir, without Graduation, 135×53×h27.4mm

Cat. No		Pk.	Price, ₩	Cs.	Price, ₩
J1.LTT011.050	Reservoir, PET, 50㎖, **Sterile**, Individual Package	1ea	1,130	80ea	59,820
J1.LTT010.050	, Non-sterile, 1pcs/pk	1ea	1,000	80ea	52,780

(3) 100㎖ PS Reservoir, V-Shape Bottom with Graduation, 146×83×h32mm

Cat. No		Pk.	Price, ₩	Cs.	Price, ₩
J1.LTT012.100	Reservoir, PS, 100㎖, **Sterile**, Individual Package	1ea	1,380	50ea	45,370
J1.LTT002.100	, Non-sterile, Bulk			100ea	56,640

Articles	Cat. No	Description

ABDOS® Certificate of Analysis - Easy, Compliant and Available at Anytime

▶ Can Download the Certificate from 'http://www.abdoslifesciences.com' with Product Code and Lot Number on Surface of Product



Certificate of Analysis

ABDOS® Pipetter Tip, with Precise Graduation, 0.1~10,000㎕

With Bulk · Rack · Sterile Rack · Refill Pack-type, Normal-grade, 정밀 피펫터 팁

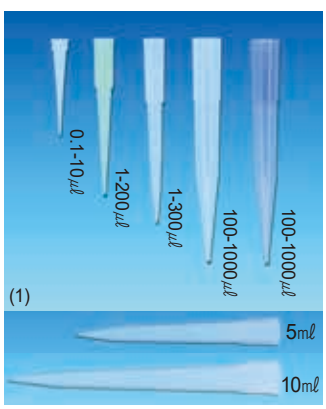
■ 정확도와 정밀도가 높은 실험에 적합

■ Micro Pipetter Tips(0.1~1,000㎕) Compatibility : Axygen®, Biohit®, Brand®, Eppendorf®, Thermo Finnpipette®, Gilson®, Labnet®, Nichiryo®, Vistalab®, Wheaton-Socorex®

■ Macro Pipetter Tips(5 & 10㎖) Compatibility : Biohit®, Brand®, Eppendorf®, Gilson®, Witeg

■ Production and Individual Packaging according to Clean Room 8

* Manufactured from Ultra Pure USP Class VI Certified Virgin Polypropylene to Ensure the Highest Quality & Confirms to US FDA 21 CFR. Free from Heavy Metals, Natural Rubber & Inhibitory Plasticizers
* Free from Bacteriostatic & Fungistatic Property
* DNase, RNase & Pyrogen free.
* Superior Leeching Performance assures Contamination Free results.
* Precise Graduation marks for Error Free Pipetting
* High Clarity for better Visibility of Samples.
* Bevelled Tip Prevents Accidental Gel Rupture during Loading of the Samples



(1) Bulk Tip in Resealable Bag, 0.1~10,000㎕, Graduated, 벌크팁

* Resealable Bulk-bag Keeps the Product Free of Contamination and Dust

▶**ALL Graduated, but 1000㎕-Non**

<L1>

		Pk.	Price, ₩
AB.P10115	Tip, Micro, Bulk-type, 0.1~10㎕, Natural	1000ea	13,570
AB.P10129	, 1~200㎕, Yellow, Bevelled-type	1000ea	12,880
AB.P10130	, Natural, Bevelled-type	1000ea	12,880
AB.P10138	, 1~300㎕, Natural	1000ea	16,000
AB.P10102	, 100~1,000㎕, Blue	500ea	9,970
AB.P10106	, Natural	500ea	9,970
AB.P10144	, Macro, Bulk-type, 1~5㎖, Natural	100ea	14,540
AB.P10145	, 1~10㎖, Natural	100ea	26,930



(2) Racked Tip with 96 Tips, 0.1~10,000㎕, Graduated, 팁&랙

* Polypropylene(PP) Hinged Rack : Autoclavable at 121℃, Robust, Sturdy and Reusable
* Rack is Printed with Volume Range, Lot Number
* Stackable
* with Transparent Lid

▶**ALL Graduated, but 1000㎕-Non**

		Pk.	Price, ₩	Cs.	Price, ₩
AB.P10116	Tip, Micro, Rack Set, 0.1~10㎕, Natural, 96pcs	96pcs/Rack	6,540	10rack	60,230
AB.P10140	, 1~200㎕, Yellow, , 96pcs	96pcs/Rack	6,090	10rack	56,230
AB.P10141	, Natural, 96pcs	96pcs/Rack	6,090	10rack	56,230
AB.P10142	, 1~300㎕, Natural, 96pcs	96pcs/Rack	7,190	10rack	66,320
AB.P10109	, 100~1,000㎕, Blue, 96pcs	96pcs/Rack	7,140	10rack	65,840
AB.P10110	, Natural, 96pcs	96pcs/Rack	7,140	10rack	65,840
AB.P10159	, 100~5,000㎕, Natural, 96pcs	96pcs/Rack	14,980	6rack	83,150
AB.P10160	, 500~10,000㎕, Natural, 96pcs	96pcs/Rack	22,280	6rack	123,650



(3) Sterilized Racked Tip with 96 Tips, Natural-color, 0.1~10,000㎕, Graduated, 멸균 팁&랙

* Sterilized by Gamma Radiation according to ENISO 11137-2
* Polypropylene(PP) Hinged Rack : Autoclavable at 121℃, Robust, Sturdy and Reusable
* Rack is Printed with Volume Range, Lot Number
* Stackable
* with Transparent Lid

▶**ALL Graduated, but 1000㎕-Non**

		Pk.	Price, ₩	Cs.	Price, ₩
AB.P10117	Tip, Micro, Sterile, Rack Set, 0.1~10㎕, Natural, 96pcs	96pcs/Rack	7,730	10rack	71,300
AB.P10148	, 1~200㎕, Natural, 96pcs	96pcs/Rack	7,280	10rack	67,270
AB.P10150	, 1~300㎕, Natural, 96pcs	96pcs/Rack	8,290	10rack	76,480
AB.P10114	Tip, Micro, Sterile, Rack Set, 100~1,000㎕, Natural, 96pcs	96pcs/Rack	8,220	10rack	75,920
AB.P10171	, 100~5,000㎕, Natural, 96pcs	96pcs/Rack	16,140	6rack	89,550
AB.P10178	, 500~10,000㎕, Natural, 96pcs	96pcs/Rack	23,820	6rack	132,180



(4) Refill Pack of Pipetter Tip for Empty Box, 0.1~300㎕, Graduated, 랙용 리필팁

* Can be directly Loaded in the Box
* Easy to Load and Remove into Boxes
* Can be Autoclaved when Racked
* Rack is Printed with Volume Range, Lot Number
* Save Time & Cost

▶**ALL Graduated**

		Cs.	Price, ₩
AB.P10118	Tip, Micro, Refill Pack, 0.1~10㎕, Natural	96pcs×12refilled rack	54,300
AB.P10153	, 1~200㎕, Yellow, Bevelled	96pcs×10refilled rack	42,070
AB.P10152	, Natural, Bevelled	96pcs×10refilled rack	42,070
AB.P10154	, 1~300㎕, Natural	96pcs×10refilled rack	50,580

※ The Price(VAT is extra) for Korean End-user, and Changeable.

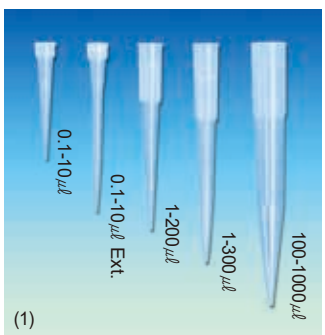
Articles	Cat. No	Description

ABDOS® *LAST DROP™* Low Retention Pipetter Tip, with Precise Graduation, for Minimal Sample Loss, 0.1~1,000㎕

Ideal for Microbiological Lab, with Bulk · Rack · Sterile Rack · Refill Pack-type, 저잔량 고정밀 피펫터 팁

■ 일반 표준 Tips보다 피펫팅 잔량 / 잔사가 약 10배 적음 ■ 매우 민감한 시험용에 최적 ■ Sample Retention is 10 times Less than General Standard Tips
■ Micro Pipetter Tips(0.1~1,000㎕) Compatibility : Axygen®, Biohit®, Brand®, Eppendorf®, Thermo Finnpipette®, Gilson®, Labnet®, Nichiryo®, Vistalab®, Wheaton-Socorex®
■ How to Reduce Sample Retention : ① High Grade Resin Technology & Additives Engineering for Low Binding Surface
② Diamond Polishing for Enhance Low Binding ③ Injection Moulding Process
■ Production and Individual Packaging according to Clean Room 8
■ Optimal Surface for Dispensing Minimal Sample Loss of Highly Viscous Liquids or Samples Containing Detergent
■ Minimum Retention with Viscous Liquid thus Reducing Sample Retention Save on Costly Reagents

* Can Download the Certificate from 'http://www.abdoslifesciences.com' with Product Code and Lot Number. * DNase, RNase & Pyrogen free.
* Manufactured from Ultra Pure USP Class VI Certified Virgin Polypropylene to Ensure the Highest Quality & Confirms to US FDA 21 CFR. Free from Heavy Metals, Natural Rubber & Inhibitory Plasticizers * Free from Bacteriostatic & Fungistatic Property suitable for Microbiology
* Precise Graduation marks for Error Free Pipetting * High Clarity for better Visibility of Samples. * Natural Color



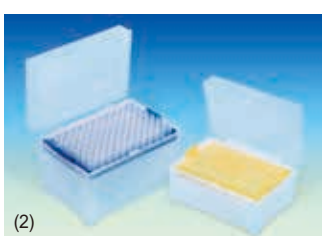
(1)

(1) Bulk Tip in Resealable Bag, 0.1~1,000㎕, Graduated, 벌크팁

* Resealable Bulk-bag Keeps the Product Free of Contamination and Dust
▶ALL Graduated, but 1000㎕-Non

〈L1〉

		Pk.	Price, ₩
AB.P10001	Tip, Low Retention, Bulk-type, 0.1~10㎕	1000ea	28,580
AB.P10002	, 0.1~10㎕, Extended	1000ea	28,580
AB.P10003	, 1~200㎕ , Bevelled-type	1000ea	27,540
AB.P10005	, 1~300㎕	1000ea	29,520
AB.P10006	, 100~1,000㎕	500ea	15,780


(2)

(2) Racked Tip with 96 Tips, 0.1~1,000㎕, Graduated, 팁&랙

* Polypropylene(PP) Hinged Rack : Autoclavable at 121℃, Robust, Sturdy and Reusable
* Rack is Printed with Volume Range, Lot Number * Stackable
* with Transparent Lid ▶ALL Graduated, but 1000㎕-Non

		Pk.	Price, ₩	Cs.	Price, ₩
AB.P10020	Tip, Low Retention, Rack Set, 0.1~10㎕, 96pcs	96pcs/Rack	7,250	10rack	66,940
AB.P10021	, 0.1~10㎕, Extended, 96pcs	96pcs/Rack	7,250	10rack	66,940
AB.P10022	, 1~200㎕ , Bevelled-type, 96pcs	96pcs/Rack	6,820	10rack	62,990
AB.P10024	, 1~300㎕, 96pcs	96pcs/Rack	8,020	10rack	74,080
AB.P10025	, 100~1,000㎕, 96pcs	96pcs/Rack	7,940	10rack	73,320


(3)

(3) Sterilized Racked Tip with 96 Tips, 0.1~1,000㎕, Graduated, 멸균 팁&랙

* Sterilized by Gamma Radiation according to ENISO 11137-2
* Polypropylene(PP) Hinged Rack : Autoclavable at 121℃, Robust, Sturdy and Reusable
* Rack is Printed with Volume Range, Lot Number * Stackable
* with Transparent Lid ▶ALL Graduated, but 1000㎕-Non

		Pk.	Price, ₩	Cs.	Price, ₩
AB.P10040	Tip, Low Retention, Sterile, Rack Set, 0.1~10㎕, 96pcs	96pcs/Rack	8,190	10rack	75,580
AB.P10041	, 0.1~10㎕, Extended, 96pcs	96pcs/Rack	8,190	10rack	75,580
AB.P10042	, 1~200㎕ , Bevelled-type, 96pcs	96pcs/Rack	7,840	10rack	72,290
AB.P10044	, 1~300㎕, 96pcs	96pcs/Rack	8,970	10rack	82,820
AB.P10045	, 100~1,000㎕, 96pcs	96pcs/Rack	8,880	10rack	81,980


(4)

(4) Refill Pack of Pipetter Tip for Empty Box, 0.1~300㎕, Graduated, 랙용 리필팁

* Can be directly Loaded in the Box * Easy to Load and Remove into Boxes
* Can be Autoclaved when Racked * Rack is Printed with Volume Range, Lot Number
* Save Time & Cost ▶ALL Graduated

		Cs.	Price, ₩
AB.P10060	Tip, Low Retention, Refill Pack, 0.1~10㎕	96pcs × 12refilled rack	57,140
AB.P10061	, 1~200㎕, Bevelled	96pcs × 10refilled rack	50,130
AB.P10063	, 1~300㎕	96pcs × 10refilled rack	58,730

SciLab® 5,000 & 10,000㎕ (5 & 10㎖) Macrotip, Useful for Almost Macro Pipetters of 5 & 10㎖, Autoclavable

With Fine Graduation, Made of High Purity PP, Transparent, Good Finished, Smooth Working, <Korea-Made> 5 & 10㎖ 매크로 팁, 눈금부


(1) 5㎖


(2) 10㎖

■ With Fine Mold Graduation of 0.5 & 1.0㎖ Division, and Transparent. * Made of High Purity Polypropylene without Lubricants, −10℃+125/140℃

〈L1〉

(1) 5㎖ Tip, Graduated for "witeg" · Axygen® · Eppendorf® · Gilson® · HTL®

		Pk.	Price, ₩	Cs.	Price, ₩
SL.Pip3015	Tip, 5/0.5㎖, for witeg · Axygen · Eppen. · Gilson · HTL, 250 pcs/bag	250ea	18,800	10pk	188,000

(2) 10㎖ Tip, Graduated for VITLAB® · Axygen® · BRAND® · Gilson® · HTL®

		Pk.	Price, ₩	Cs.	Price, ₩
SL.Pip3017	Tip, 10/1.0㎖, for VITLAB · BRAND · Gilson · HTL · Axygen, 200 pcs/bag	200ea	37,500	10pk	375,000

Articles	Cat. No	Description



(1) 5 & 10㎖ Uni-Rack
(2) 10㎖ VITLAB · Brand · Kartell Tip Rack

SciLab® PC 35-Hole 5 & 10㎖ Empty Tip Uni-Rack, Assembly
With 2 Exchangeable Trays for 5 & 10㎖ Tips, 125/140℃, 5 & 10㎖ 팁용 만능랙

■ ***Made in Korea*** ∗ Made of Polycarbonate(PC), −196℃(in Vapor-phase) +125/140℃
∗ with Transparent Hinged Lid, Autoclavable ∗ Size : 178×144×h163 mm, with 35 Places Tip Tray

(1) 5 & 10㎖ Empty Tip Uni-Rack, 2 Tray (35-Hole)

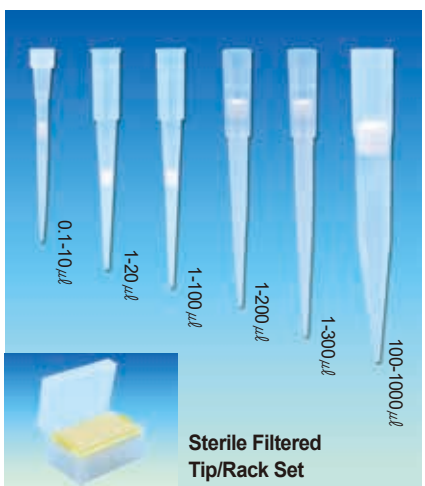
■ ***Included : 2 Exchangeable Tip Holding Tray for 5 & 10㎖***
① 5㎖ Tip Tray : for VITLAB · BRAND · Axygen · Gilson · HTL · ABDOS · Kartell #964 & #984-Tips
② 10㎖ Tip Tray : for Axygen · Gilson

〈L1〉

		Ea.	Price,₩
SL.Rac3081	5 & 10㎖ Tip Uni-Rack, PC, with 2 Tray (35 Hole)		24,000

(2) 10㎖ Empty Tip 35-Hole Rack, for VITLAB · BRAND · Kartell #943-Tips

		Ea.	Price,₩
SL.Rac3082	10㎖ Tip Rack, PC, with 1 Exchangeable Tip Tray (35 Hole)		29,250

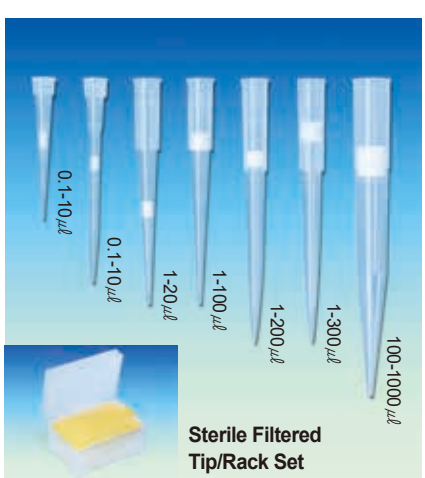


ABDOS® Sterile Standard Filter Tip, Hinged Rack Set of 96pcs, 0.1~10,000㎕
Ideal for Biological Lab, Stackable, Leak-proof, Normal-grade, 멸균 필터 팁

■ ***Micro Pipette Tips(0.1~1,000㎕) Compatibility : Axygen®, Biohit®, Brand®, Eppendorf®, Thermo Finnpipette®, Gilson®, Labnet®, Nichiryo®, Vistalab®, Wheaton-Socorex®***
∗ Can Download the Certificate from 'http://www.abdoslifesciences.com' with Product Code and Lot Number
∗ Manufactured from Ultra Pure USP Class VI Certified Virgin Polypropylene to Ensure the highest Quality & Confirms to US FDA 21 CFR. Free from heavy metals, natural rubber & inhibitory plasticizers
∗ Precise Safety Gap between Liquid & Filter for electronic pipette and reverse pipetting
∗ Proprietary Pure Porous Hydrophobic PE Filter helps us to recover Contamination Free samples from the Wetted Filter and does not trap or block the liquid into the filter.
∗ Polypropylene(PP) Rack : Autoclavable at 121℃, Robust, Sturdy and Reusable
∗ Hinged Rack with Transparent Lid ∗ Rack is Printed with Volume Range, Lot Number and Cat. No.
∗ DNase, RNase & Pyrogen free.
∗ Stackable Rack ▶**ALL Graduated, but 1000㎕-Non**

〈L1〉

		Pk.	Price, ₩	Cs.	Price, ₩
AB.P11021	Sterile Filter Tip, 0.1~10㎕, 96pcs	96pcs/Rack	11,130	10rack	102,790
AB.P11025	, 1~20㎕, 96pcs	96pcs/Rack	11,130	10rack	102,790
AB.P11029	, 1~100㎕, 96pcs	96pcs/Rack	11,130	10rack	102,790
AB.P11033	, 1~200㎕, 96pcs	96pcs/Rack	11,130	10rack	102,790
AB.P11035	, 1~300㎕, 96pcs	96pcs/Rack	11,130	10rack	102,790
AB.P11037	, 100~1,000㎕, 96pcs	96pcs/Rack	13,090	10rack	121,030
AB.P10172	, 100~5,000㎕, 96pcs	96pcs/Rack	21,120	6rack	117,240
AB.P10173	, 100~10,000㎕, 96pcs	96pcs/Rack	30,400	6rack	168,830



ABDOS® *LAST DROP™* Sterile Low Retention Filter Tip, Hinged Rack Set, 0.1~1,000㎕
96pcs/Rack, for Minimal Sample Loss, Stackable, Leak-proof, 저잔량 고정밀 멸균 필터 팁

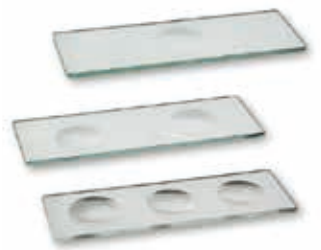
■ ***일반 표준 Tips보다 피펫팅 잔량 / 잔사가 월등히 적음*** ■ ***매우 민감한 시험용에 최적***
■ ***Micro Pipetter Tips(0.1~1,000㎕) Compatibility : Axygen®, Biohit®, Brand®, Eppendorf®, Thermo Finnpipette®, Gilson®, Labnet®, Nichiryo®, Vistalab®, Wheaton-Socorex®***
■ ***How to Reduce Sample Retention : ① High Grade Resin Technology & Additives Engineering for Low Binding Surface, ② Diamond Polishing for Enhance Low Binding, ③ Injection Moulding Process***
■ ***Production and Individual Packaging according to Clean Room 8, DNase·RNase·Pyrogen-Free***
■ ***Optimal Surface for Dispensing Minimal Sample Loss of Highly Viscous Liquids or Samples Containing Detergent***
■ ***Minimum Retention with Viscous Liquid thus Reducing Sample Retention Save on Costly Reagents***
∗ Can Download the Certificate from 'http://www.abdoslifesciences.com' with Product Code and Lot Number
∗ Manufactured from Ultra Pure USP Class VI Certified Virgin Polypropylene to Ensure the Highest Quality
∗ Proprietary Pure Porous Hydrophobic PE Filter helps us to Recover Contamination Free
∗ Polypropylene(PP) Rack : Autoclavable at 121℃
▶**ALL Graduated, but 1000㎕-Non**

〈L1〉

		Pk.	Price, ₩	Cs.	Price, ₩
AB.P11061	Sterile Filter Tip, "Low Retention", 0.1~10㎕, 96pcs	96pcs/Rack	12,790	10rack	118,130
AB.P11063	, 0.1~10㎕, Long, 96pcs	96pcs/Rack	12,790	10rack	118,130
AB.P11065	, 1~20㎕, 96pcs	96pcs/Rack	12,790	10rack	118,130
AB.P11069	, 1~100㎕, 96pcs	96pcs/Rack	12,790	10rack	118,130
AB.P11073	, 1~200㎕, 96pcs	96pcs/Rack	12,790	10rack	118,130
AB.P11075	, 1~300㎕, 96pcs	96pcs/Rack	12,790	10rack	118,130
AB.P11077	, 100~1,000㎕, 96pcs	96pcs/Rack	14,740	10rack	136,180

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



Heinz® Hole Slide Glass, 1~3 Holes, 홀 슬라이드 글라스

■ ***Supplied by Heinz Herenz® in Germany***

∗ 50pcs / Box, 2500pcs / Cs (50pcs / Box × 50)
∗ 76 × 26 × 1.2/1.5mm ∗ Hole : Φ 15/16mm

〈L1〉

		dh pk.	Price, ₩	Pk.	Price, ₩
HH.1042001	Hole Slide Glass, 1-Hole	1ea	2,190	50pcs	100,330
HH.1042002	, 2-Holes	1ea	3,140	50pcs	144,230
HH.1042003	, 3-Holes	1ea	7,920	50pcs	365,770



Heinz® 10-holes Boerner Slide Glass, for Staining, 10홀 보에너 슬라이드 글라스

■ ***Supplied by Heinz Herenz® in Germany***

∗ Clear Pressed Glass : approx 107 × 57 × 4mm
∗ Approx. Φ 14 × depth 2mm Hole × 10, with Overflow Groove

〈L1〉

		Ea.	Price, ₩	Pk.	Price, ₩
HH.1042005	Boerner Slides, 10-holes, 107 × 57 × 4mm		72,020	6ea	419,100



Heinz® 12-holes Micro Test Plate, 12홀 마이크로 테스트 플레이트

■ ***Supplied by Heinz Herenz® in Germany***

∗ Smooth Surface Glass with 12-holes(Φ 14mm) and Overflow Grooves
∗ Ideal for Micro Test in Condensation / Sedimentation / etc

〈L1〉

		Ea.	Price, ₩	Pk.	Price, ₩
HH.1042007	Micro Test Plate, 12-holes, 88 × 56 × 4mm		71,220	7ea	483,540

, Spotting 점적판



6- & 12-Cavities Porcelain Spotting Plate
Up to 1000℃, Glazed, 6구 & 12구 세라믹 점적판

∗ Color-Reaction or Spot plates. ∗ Glazed except for Bottom Surface.

〈L1〉

		Ea.	Price, ₩
SC.J820	Spot-plate, Porce, 6-Holes of 94㎖ × width 62mm		6,000
SC.J221	, 12-Holes of 115㎖ × width 88mm		9,380



Azlon® 12 Cavities PP Spotting Tile/Tray, for Assay, 12구 PP 점적판

■ ***Supplied by Azlon® in UK.***

∗ Flat tiles for spotting experiments made from plastic spotting tiles with wells
∗ High Quality Spotting Tile, Unbreakable in Normal Use
∗ 12 Cells of Approx. 1㎖ Capacity ∗ 4mm Well Depth
∗ Economical Alternative to Ceramics

〈L1〉

		Ea.	Price, ₩	Pk.	Price, ₩
Az.TWR000P	Spotting Tile, PP, 115 × 95mm, 12 Cells, Well Depth 4mm		1,950	10ea	18,770





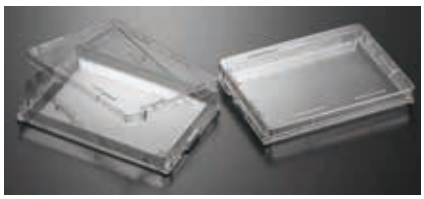
Kartell® PE/PS Colorimetric 3cell Tray and 8cell Tray, <Italy-Made> 3구 & 8구 셀트레이

∗ 3-cell Colorimetric Tray : White PE, -50℃+80℃
∗ 8-cell Colorimetric Tray : PS -10℃+70/80℃
∗ Useful for Colorimetric test.

〈L1〉

		Ea.	Price, ₩	Pk.	Price, ₩
KA.356	Tray, 3-cell PE, w58 × d28 mm, cell Φ 21 × h7wmm		1,600	10ea	15,440
KA.357	, 8-cell PS, w95 × d57 mm, cell Φ 15mm		3,530	10ea	34,130

Articles	Cat. No	Description



Single-well Plate

Biofil® Single-well Plate, PS, TC-Treated & Non-Treated Surface, 128×85.7×h14.4mm
Large Area for Cell Growth, with 93.5~94cm² Working Volume, **싱글-웰 플레이트**

- ***Manufactured in Class 100,000 Cleanroom with Materials Conforming to USP CLASS VI Standards under the Quality Control of ISO 13485 & 9001 and CE.***
- ***Batch Certifications : Lot No. is Printed on Every Case (or Pack) for Quality Traceability.***
- ***Plates have Standard Footprint, making them Compatible with other Instruments that Accept SBS Standard Plates***

∗ γ-Sterile
∗ Space Saving ; Improved the Space Compared to a Round Cell Culture Dish for Using in Incubators
∗ For Use in Applications where Cell Attachment is no Desired ∗ Non-pyrogenic & DNase/RNase-free

(1) With TC-Treated Surface

∗ Ideal for Common Adherent Cell Lines Due to the Excellent Hydrophilicity of the PS Surface <L1>

		Pk.	Price,₩	Cs.	Price,₩
J1.TCP010.001	Plate, Single-well, 128×85.7×h14.4mm, Paper Plastic Pack	1ea	2,470	200ea	447,030
J1.TCP011.001	, Paper Blister Pack	1ea	2,670	100ea	240,920

(2) With Non-Treated Surface

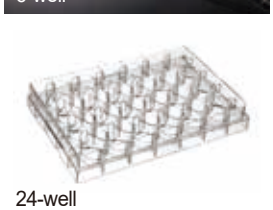
∗ Ideal for Suspension Cell Culture

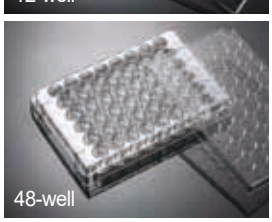
		Pk.	Price,₩	Cs.	Price,₩
J1.TCP000.001	Plate, Single-well, 128×85.7×h14.4mm, Paper Plastic Pack	1ea	2,240	200ea	403,550
J1.TCP001.001	, Paper Blister Pack	1ea	2,420	100ea	218,650

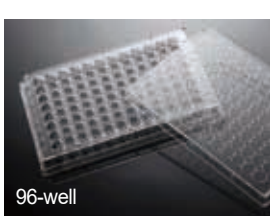
Biofil® Cell and Tissue Culture Plate, PS, TC-Treated & Non-Treated Surface, 6 · 12 · 24 · 48 · 96 · 384-Flat Well
With Lid, Labeled Alphanumeric Code, Individual Packing, γ-Sterile, **컬쳐 플레이트**













- ***Manufactured in Class 100,000 Cleanroom with Materials Conforming to USP CLASS VI Standards under the Quality Control of ISO 13485 & 9001 and CE.***
- ***Batch Certifications : Lot No. is Printed on Every Case (or Pack) for Quality Traceability.***

∗ Ideal for Cell Growth and Cell Yields on Multiple, Compare, other Analyze, and Automation.
∗ Single Position Lid reduces the Risks of Cross-Contamination and the Handling Mistakes.
∗ One-way Cover that Facilitates Holding ∗ Stacking Design to Save Space
∗ −20℃+50℃ ∗ Frosted Area Facilitates Writing
∗ Alphanumeric Labels Facilitate Identification and Recording
∗ Individually Packaged in Peel-to-open Paper/Plastic Blister Pack.
∗ Dimension - 6~48 well : 128×85×h20mm
96~384 well : 128×85×h15mm



One-way Cover that facilitates Holding



Stacking Design to Save Space

(1) With TC-Treated Surface

<L1>

Cat. No.	Well	Max. Vol	Culture Area	Pk. Price, ₩		Cs. Price, ₩	
J1.C011.006	6	17㎖	9.6cm²	1ea	1,690	100ea	152,250
J1.C011.012	12	6.8㎖	3.85cm²	1ea	1,770	100ea	158,600
J1.C011.024	24	3.5㎖	1.93cm²	1ea	1,770	100ea	158,600
J1.C011.048 *New*	48	1.55㎖	0.84cm²	1ea	1,870	100ea	168,450
J1.C011.096	96	0.39㎖	0.33cm²	1ea	1,690	100ea	152,250
J1.C011.384	384	0.145㎖	0.1135cm²	1ea	2,300	100ea	207,780

(2) With Non-Treated Surface NEW

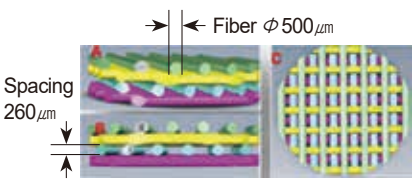
∗ Suitable for Suspension Cells Culture

		Pk.	Price,₩	Cs.	Price,₩
J1.C001.006	Culture Plate, Indi. Pack, 6 well , 17㎖	1ea	1,450	100ea	130,850
J1.C001.012	, 12 well , 6.8㎖	1ea	1,620	100ea	145,900
J1.C001.024	, 24 well , 3.5㎖	1ea	1,620	100ea	145,900
J1.C001.096	, 96 well , 0.39㎖	1ea	1,450	100ea	130,850
J1.C001.384	, 384 well, 0.145㎖	1ea	1,950	100ea	176,420

※ The Price(VAT is extra) for Korean End-user, and Changeable.



3D Cell Culture Plate



Structure of 3D Cell Culture Scaffold

Biofil® CellSCAFLD® 3D Treated Culture Plate, with Scaffold Insert, PS, 6 · 12 · 24-Well
Ideal Simulation Environment for In-vivo Pattern, 3D Porous Structure, γ-Sterile, 3D 셀 컬쳐 플레이트

- ■ ***인간과 동물세포의 3D 구조를 시뮬레이션하여 이상적인 세포간 상호작용 환경을 제공***
- ■ ***Manufactured in Class 100,000 Cleanroom with Materials Conforming to USP CLASS VI Standards under the Quality Control of ISO 13485 & 9001 and CE.***
- ■ ***Batch Certifications : Lot No. is Printed on Every Case (or Pack) for Quality Traceability.***
- ■ ***3D Scaffold is a 4-Layered 3D Structure with a highly Hydrophilic Surface and Adherent Culture.***
- ■ ***Simulates the 3D Structure of Human and Animal Cells to a Maximum Level and provides an Ideal Interactive Environment between Cells***

∗ Ideal Tool for Studying 3D Cell Cultures, the Mechanism of Interaction between Cells, Cellular Immunotherapy, Stem Cell Therapy, Drug Screening and Drug Production
∗ 3D Porous Structure with extremely High Connectivity to facilitate Nutrient Transmission
∗ Consistency of Metabolic Activity and Accuracy of Culture Results in 3D Cell Culture
∗ Much Larger Specific Surface Area Saves Space and Material, and Significantly Improves Cell Culture Efficiency and Yield ∗ Made of Polystyrene with Fiber Diameter of 500㎛ and Scaffold Spacing of 260㎛
∗ No Adsorption of Cytokine and Growth Factors
∗ Easy Cell Secretion Collection, Free from Extra Separating Steps
∗ DNase/RNase Free, Non-pyrogenic & Non-cytotoxic ∗ Individual Package

〈L1〉

Cat. No.	Type	Scaffold Insert Q'ty	Scaffold Dimension (mm)	Surface Area (cm²)	Pk. Price, ₩		Cs. Price, ₩	
J1.P032.006	6-Well	3	33.5×1.6	144	1ea	26,770	8pk	194,520
J1.P032.012	12-Well	6	21.0×1.6	114	1ea	26,770	8pk	194,520
J1.P032.024	24-Well	12	15.0×1.6	120	1ea	26,770	8pk	194,520

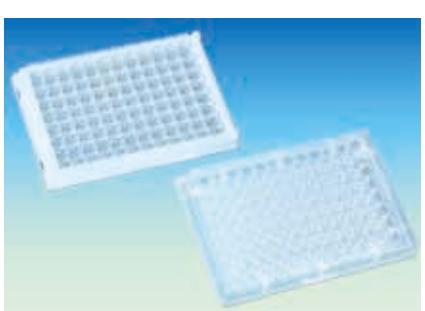


Kartell® 96-well Microplate, PS, Clear, Individual Sterilized Packing, Untreated, Stackable
With Flat- · U- · V-bottoms, DIN/ISO, <Italy-Made> PS 96-웰 플레이트

- ■ ***Ideal for Bacteriology, Serology, Molecular biology, Hemagglutination or Precipitation Assays and Other Procedures*** ■ ***Used for Dilution Screening of Recombinant Organisms***

∗ Untreated/Medical-grade Polystyrene(PS) Plates ∗ −10℃+70/80℃ Stable
∗ Alpha-Numerical Wells for Easy Identification
∗ Standard Format Plates : Compatible with Automatic & Robotic-Lines and Plate-Readers & Washers
① "Flat"-bottom Wells (#2620) : Easy Microscopic Examination ② "U"-bottom(#2621) and
③ "V"-bottom Plate (#2622) : allow Pelleting or Setting of Cells for Gentle Concentration and Sample Retrieval 〈L1〉
∗ Sterile, 1 pcs / Bag, 50 pcs / Cs. Plate and Lid Separately

		Pk.	Price, ₩	Cs.	Price, ₩
KA.2620	Plate, 96-well, "Flat"- bottom, 0.4㎖ well vol, 1 pcs / Bag	50ea	65,320	2pk	126,690
KA.2621	, "U"- bottom , 0.3㎖ well vol, 1 pcs / Bag	50ea	65,320	2pk	126,690
KA.2622	, "V"-bottom , 0.3㎖ well vol, 1 pcs / Bag	50ea	65,320	2pk	126,690
KA.2623	Plate Lid, for 96-well Microplates, 1 pcs / Bag	50ea	54,040	2pk	104,820



Biofil® Sterilized ELISA Plate, PS, 96-wells, Detachable & Fixed
With Uniform Flat Bottom Well Surface, High-/Medium-binding, ELISA 플레이트

- ■ ***Manufactured in Class 100,000 Cleanroom with Materials Conforming to USP CLASS VI Standards under the Quality Control of ISO 13485 & 9001 and CE.***
- ■ ***Batch Certifications : Lot No. is Printed on Every Case (or Pack) for Quality Traceability.***
- ■ ***Made of Virgin Polystyrene (PS).*** ■ ***Individually Package, γ-Sterile***

∗ Available with 2 Different Protein Binding Capability Well Surface. ∗ CV of Transmittance is Less than 5.00%.
∗ Well Surface is Uniform, Smooth and Striation-free. ∗ Alphanumeric Code for Easy Identification. 〈L1〉
∗ 2 Different Bottom Styles, Fixed Flat Bottom and Detachable Flat Bottom.

		Pk.	Price,₩	Cs.	Price,₩
J1.E100.096	Plate, ELISA, 96 well, High Binding, Fixed Flat Bottom	10ea	11,230	20pk	203,830
J1.E101.896	, Detachable, 8×12	10ea	13,590	20pk	246,940
J1.E200.096	Plate, ELISA, 96 well, Medium Binding, Fixed Flat Bottom	10ea	10,140	20pk	184,100
J1.E201.896	, Detachable, 8×12	10ea	12,680	20pk	230,130

Articles	Cat. No	Description







(2) Sealing Film

Biofil® 96 Deep Well Plate, PP, Conforms to SBS Standard, γ-Sterile, 1.0 · 1.6 · 2.2㎖ Well
Ideal for Cell and Tissue Culture, Chemical Resistant, Stackable, Alphanumeric Grid, 96-딥웰 플레이트

- ***Manufactured in Class 100,000 Cleanroom with Materials Conforming to USP CLASS VI Standards under the Quality Control of ISO 13485 & 9001 and CE.***
- ***Batch Certifications : Lot No. is Printed on Every Case (or Pack) for Quality Traceability.***
- ***Made of Virgin Polypropylene (PP).***
- ***Generally Used for DNA Detection, High Throughput Reactions, Storage and Transfer of Samples, and Antibody Titer Detections.***

∗ Plate with Alphanumeric and Cutting Corner Marking for Sample Identification
∗ Compatible with most Automation Instruments and Liquid Handling Systems
∗ Resistant to a Wide Variety of Chemical include DMSO, −80℃+121℃
∗ Max. RCF 3,000xg ∗ DNase/RNase-Free, Non-pyrogenic
∗ Size - ① 1㎖ : 127.8×85.5×h33mm
② 1.6㎖ : 127.8×85.5×h31.6mm
③ 2.2㎖ : 127.5×85.4×h41.6mm

(1) Deep-well Plate, Sterile, Individual Pack

<L1>

Cat. No.	Well Shape	Bottom Shape	Volume	Lid	Pk.	Price, ₩	Cs.	Price, ₩
J1.R103.296 New	Round	U-Bottom	1.0㎖	No	5ea	26,970	10pk	245,020
J1.R103.596 New	Round	U-Bottom	1.0㎖	Yes	5ea	31,180	10pk	283,380
J1.M161.096	Square	U-Bottom	1.6㎖	No	1ea	7,440	50pk	337,450
J1.M161.196	Square	U-Bottom	1.6㎖	Yes	1ea	8,090	50pk	367,130
J1.M221.096	Square	U-Bottom	2.2㎖	No	1ea	8,470	50pk	384,420
J1.M221.196	Square	U-Bottom	2.2㎖	Yes	1ea	9,090	50pk	412,240

(2) Sealing Film, Individual Pack

∗ Reduces Sample Evaporation and Contamination.

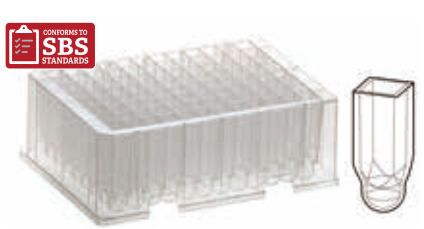
		Pk.	Price,₩	Cs.	Price,₩
J1.M011.096	Sealing Film for 96-well Storage Plates, Sterile	50ea	103,330	20pk	939,270



(1) 1.2㎖ Round Well, U-bottom



(2) 0.6㎖ Round Well, V-bottom



(3) 2.1㎖ Square Well, U-bottom

Simport® BioBlock™ 96 Deep Well Plate, PP, Alphanumeric Grid, Centrifugal Force up to 4000g
Compatible with Robotic Sample Processors, −196℃+121℃, <Canada-Made> 96-딥웰 플레이트

- ***Conformed to the SBS 1ANSI Standard Footprint and Identical in Size to 96-well Microtiter Plates.***

∗ Compatible with All Leading Robotic Sample Processors, Automated Liquid Handling Systems and 8- & 12-channel Pipetters. ∗ Alphanumeric Grid to help in Sample Identification.
∗ Withstand Temperatures up to 121℃, Autoclavable
∗ Fully Compatible with Deep Freezing Work, Down to -196℃. ∗ Chemical Resistant
∗ Certified RNase, DNase, Pyrogen and DNA-free
∗ The Height Difference from Center to Angle is less than 0.4mm

(1) 1.2㎖, Round Well, U-bottom

<L1>

∗ 127.8×85.5×h41.6mm

		Pk.	Price, ₩	Cs.	Price, ₩
SP.T110.5	Plate, 96-Deep Well, 1.2㎖, Natural PP	4ea	43,150	6pk	246,380

(2) 0.6㎖, Round Well, V-bottom, with Tube Strips

- ***"T110.2" : 96-well Deep Well Plate (T110.5) with Removable 12×8-tube Strips(T110.15)***
- ***"T110.3" : 96-well Deep Well Plate (T110.5) with Fixed 8-tube Strips***

∗ For a Perfect Sealing, 8-Strip Caps are Available.
∗ 127.8×85.5×h41.6mm

		Pk.	Price, ₩	Cs.	Price, ₩
SP.T110.2	Plate, 96-Deep Well, 0.6㎖, Removable Tube Strips	4ea	56,200	6pk	320,980
SP.T110.3	, Fixed Tube Strips	4ea	64,630	6pk	369,170

Optional 0.6㎖ 8-Tube Strips & Cap Strips

		Pk.	Price, ₩	Cs.	Price, ₩
SP.T110.15	8-Tube Strip, 0.6㎖, for T110.2 Plate	120ea	34,930	5pk	166,220
SP.T321.1N	8-Cap Strip, Domed Cap, Natural PP	125ea	41,190		
SP.T321.2N	, Flat Cap, Natural PP, Super Clear	125ea	42,880		

(3) 2.1㎖ Square Well, U-bottom

∗ 127.8×85.5×h41.6mm

		Pk.	Price, ₩	Cs.	Price, ₩
SP.T110.10	Plate, 96-Deep Well, 2.1㎖, Natural PP	4ea	48,070	6pk	274,590

※ The Price(VAT is extra) for Korean End-user, and Changeable.



Simport® Silicone Sealing Mat Cover, for 1.2 & 2.1㎖ 96 Deep Well Plates, Reusable
Ideal for Effective Sealing, Chemical Resistant, −80℃+80℃, <Canada-Made> 실리콘 실링 매트

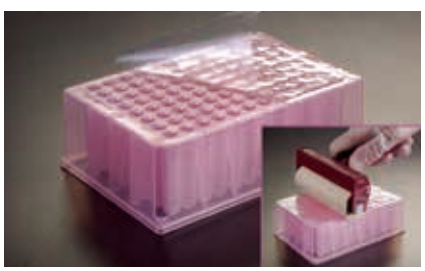

(1)


(2)

■ ***광범위한 온도에서의 시료 손실을 줄이고 장기 보관에 용이***
■ ***Made of Polyolefin and Elastomer***
* Allow for Maximum Sample Volume in Each Well
* Great Flexibility * Resistant to DMSO and Biological Buffers
* Prevents the Volatilization of a Variety of Solvents
* Contain No Adhesives that may Contaminate Samples
* Reusable with Bleach Wash and Ethanol Rinse Protocol
* Free of RNase, DNase, Pyrogen, and DNA

〈L1〉

		Cs.	Price, ₩
SP.T110.25	(1) Silicone Sealing Mat, for 1.2㎖, 96 Well Plates, Round Shape Well	24ea	223,990
SP.T110.26	(2) , for 2.1㎖, 96 Well Plates, Square Shape Well	24ea	199,940



Simport® SecureSeal™ Adhesive Sealing Film, for All Micro Well Plates
Polyester Based Film with Acrylic Adhesive, −40℃+120℃, <USA-Made> 점착성 씰링 필름

■ ***Reduces Sample-to-sample or Well-to-well Contamination and Spillover***
■ ***Less than .001% Moisture Permeable and less than .01% Oxygen Permeable***
* Inert and Compatible with almost All Microplate Procedures. DMSO Resistant.
* Perforated End Tabs and a Multiple Split Backing ;
Easier and more Accurate Positioning and more Secure Sealing.
* RNase, DNase, DNA-Free ▶Thickness ; 2mil.

〈L1〉

		Pk.	Price, ₩	Cs.	Price, ₩
SP.T329.3	Film, Sealing, For All Micro Well Plates, Non-Sterile *New*	100ea	104,380	10pk	993,990
SP.T329.4	, **Sterile**	100ea	124,800	10pk	1,188,280



Simport® Amplate™ Rubber Roller, with Heavy-duty Handle, W101.6 mm
For Sealing Film or Foil on PCR Plates, <USA-Made> 롤러

* Made of Medium Hard Rubber * Durable Construction * Comfort Grip

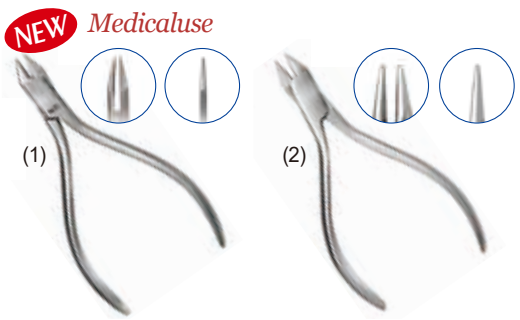
〈L1〉

		Ea.	Price, ₩
SP.T329.9	Roller for Sealing Films, w101.6mm		57,440

Articles	Cat. No	Description

Hammacher® Premium Orthodontic Wire Bending & Forming Plier, L115mm, *Medicaluse*

For (1) Wire Thicknesses Max. 0.4mm and (2) 0.7mm, Stainless-steel 420, 프리미엄 치과교정용 와이어 밴딩 & 포밍 플라이어, 독일제 의료용, 비부식



- ***Germany-made 프리미엄급; 비부식, 고강도, 고경도, 내약품성***
- ***Surgical Stainless-steel 420: Rust-proof, High-Strength/Hardness, Chemical Resistance***

∗ Used for Bending and Foming Wire

〈M1〉

(1) For NiTi (Nickel-Titan) Wire Thick. Max. 0.4(.016″)mm

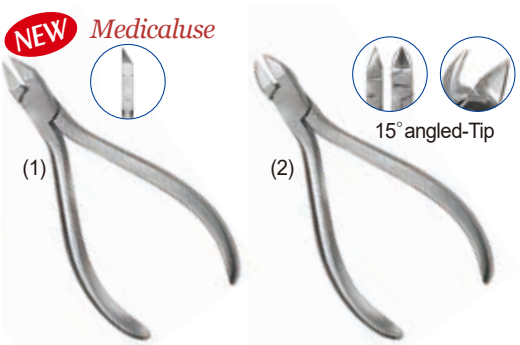
		Ea.	Price, ₩
HA.HSL411.11	Plier, for NiTi Wire, L115mm		180,430

(2) For Hard Wire Thick. Max. 0.7(.028″)mm

		Ea.	Price, ₩
HA.HSL419.11	Plier, for Hard Wire, L115mm		174,040

Hammacher® Premium TC Orthodontic Pin · Ligature Cutter/Plier, Rustproof Stainless-steel, L125mm, *Medicaluse*

For (1) Standard- and (2) Small Head-type, for Wire Thick. 0.25~0.4mm, 프리미엄 치과교정용 핀 · 리게쳐 TC 컷터/플라이어, 독일제 의료용, 비부식



- ***Germany-made 프리미엄급; 날 부분에 텅스텐 카바이드 (TC, Tungsten-Carvide)를 삽입시켜 스텐레스 재질보다 내구성이 뛰어나며 커팅 날의 절삭력이 오래 지속됨***
- ***with TC(Tungsten-Carvide) inserts in the Blade, Uniform Long Lasting Cut***

∗ To Cut Soft Wires, Elastic Ligatures and Pins on Orthodontic Application

∗ For Wire Ligatures from Thick. min. 0.25(.010″)mm until max. 0.4(.016″)mm

∗ Tip of Small Head-type is 15° angled for a better Visibility and Easy Access

〈M1〉

		Ea.	Price, ₩
HA.HSL2830.12	(1) TC Cutter/Plier, Standard, L125mm		269,740
HA.HSL2832.12	(2) , Small Head, 15° angled-Tip, L125mm		272,540

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description

Kern® Manual Polarimeter "OAB-10LN", with 589nm Sodium Vapour Lamp & Glass Cuvettes

Ideal for Evaluate Liquid Optically-active Samples, Measuring Range ±180°, Division 1°, **편광계 · 원형라이트 장착**

1-Year Warranty





Fig. Cuvette in Measuring Chamber



Cuvette 10 and 20cm (Included)

- ***Supplied by Kern® in Germany***
- ***광학활성(편광이 어떤 물질이나 용액을 통과할 때 그 편광면에서 보이는 현상) 및 광회전성 물질 분석에 용이***
- ***Measuring Range ±180°, Division 1°***
- ***Typical Applications are Determining Kinetics in Cane Sugar Inversion, Determining Mutarotation of Glucose and Investigation of Starch Hydrolysis.***
- ***The Optical Rotation is Measured in Degrees.***

∗ Ergonomic Design and Easy Handling
∗ The Powerful 589nm Sodium Vapour Lamp is the Optimum Light Source to Produce a Linear, Polarised Beam of Light
∗ The 1° Scale Division Including Nonius(0.05°) enables Precise Definition of the Angle of Rotation of the Substance to be Observed
∗ To hold Liquid Samples, two Glass Cuvettes(100mm / 200mm) are Included
∗ Complete Set ;
Sodium Vapour Lamp, 2 Glass Cuvette(100 & 200mm), Replacement Lenses and Sealing Rings for Cuvettes

Specifications & Ordering information

〈L1〉

Spec. \ Model	"KE.OAB.10LN"
Light Source (Wave Lenght)	Sodium Vapour Lamp(589nm)
Stabilisation Time	10mins after Switching on
Scales	Optical Ratation
Measuring Range	±180°
Division	1°
Vernier	0.05°
Overall Dimensions	W500×D135×H330
Net Weight Approx	5kg
Cat. No.	**KE.OAB.10LN**
Price, Each. ₩	1,903,690

Spare Accessories

		Ea. Price, ₩
KE.OAB.A2501	Glass Cuvette, Length : 100mm	227,630
KE.OAB.A2502	, Length : 200mm	227,630
KE.OAB.A2581	Sodium Vapour Lamp, Wave Length : 589nm	248,330

Articles	Cat. No	Description

PE 수동 펌프 KOREA

Siphon Hand Pump for Liquid/Kerosene, PE

NEW



▲ DP-14



◀DP-20

DP-14, DP-15, DP-20

- ***Manual Compressed Siphon Pump for Liquid / Fluid.***
- ***Made of Chemical Resist Polyethylene Resin.***

〈B3〉

	Suction Tube (L×Φ mm)	Weight (g)	Flow rate (Lit/min)	Usage
DP-14	S ; 385/15	64	7	General
DP-15	M ; 425/25	149	12	General
DP-20	L ; 875/22	300	17.5	Drum

ORDER NO.	MODEL NO.	Size	Length (㎜)	Packing Ea. / Pk.	PRICE, ₩ Ea.
▶ 0484-636	DP-14	S	530	1 / 10	1,560
0484-637	DP-15	M	610	1 / 10	4,370
▶ 0484-638	DP-20	L	1,125	1 / 10	5,540

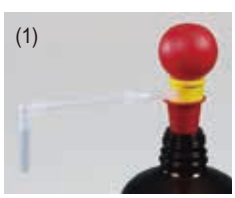


Drum Pump, PE, Length 112cm, Hose 137cm, 드럼 펌프

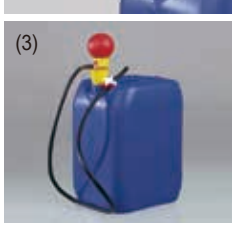
∗ Suitable for Moving of Various Small- quantity Liquids from a drum.
∗ Can be used to Adjust Easily with the Slide Cap which is Easy to Set to a Drum
∗ Material : PE(Polyethylene)

〈L2〉

		Ea.	Price, ₩
SL.Pum3014	"HPBL-5" Drum Pump, Length 112cm, Hose 137cm		25,500









Burkle® PP Hand Pump, for Container Openings Φ20~70mm, 4~20 Lit/min. With PP Immerse Tube and PVC Universal Adapter, 140℃, <Germany-Made> PP 핸드펌프

- ***Airtight Connection between the Pump and the Container Openings by the Universal Adapter***
- ***The Telescopic Immersion Tube adapts itself to the Container Height on Insertion.***

∗ Universal Adapter Consists of 3 Parts, Conical Center (Red) and 2 Conical Sleeves (Yellow and Red) which can be Moved up and down the Conical Center ; It is possible to obtain an Airtight Seal between Pumps and Container Openings
∗ This ensures Good Removal of Residual Liquid and the Pump can be used with Different Containers.
∗ With 2 Apertures : Large Aperture for inserting Tube and Small Aperture for Air Vent to allow Siphoning
∗ Polypropylene(PP) : -10℃+125/140℃, Chemical and Heat Resistant
∗ Particularly Compact, Space-saving Pump ∗ Good Pump Capacity

(1) Mini Pump with PP Delivery Tube, for Container Openings Φ20~36mm

∗ Ideal for Small Containers up to 10 Liters ∗ Adapter Consists of 2 parts

〈L1〉

		Ea.	Price, ₩
BK.5005.1000	PP Hand Pump, 4 Lit/min. immerse tube - Φ10×depth 450mm		141,630

(2) Hand Pump with PP Delivery Tube, for Container Openings Φ30~70mm

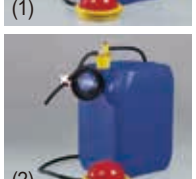
		Ea.	Price, ₩
BK.5005.1200	PP Hand Pump, 14 Lit/min. immerse tube - Φ12×depth 700mm		193,890
BK.5005.1500	, 20 Lit/min. immerse tube - Φ15×depth 700mm		203,420

(3) Hand Pump with PVC Delivery Hose, for Container Openings Φ30~70mm

∗ With 1.5m PVC Delivery Hose and PP/PE Stopcock

		Ea.	Price, ₩
BK.5005.6000	PP Hand Pump, 12 Lit/min. immerse tube - Φ12×depth 700mm		203,420







Burkle® PP Foot Pump, for Container Opening Φ30~70mm, 12 & 26 Lit/min. With PP Immerse Tube and PVC Universal Adapter, 140℃, <Germany-Made> PP 풋 펌프

- ***Ideal for Filling Agressive Media ; Both Hands are Free During the Pumping Process.***
- ***Airtight Connection between the Pump and the Container Openings by the Universal Adapter***
- ***The Telescopic Immersion Tube adapts itself to the Container Height on Insertion.***

∗ This ensures Good Removal of Residual Liquid and the Pump can be used with Different Containers.
∗ Polypropylene(PP) : -10℃+125/140℃, Chemical and Heat Resistant
∗ Very good Pump Capacity due to Large Volume Foot Bellows

〈L1〉

(1) With PP Delivery Tube : 26 Lit/min.

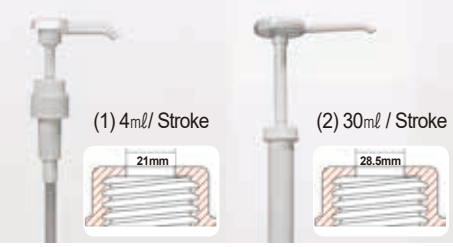
		Ea.	Price, ₩
BK.5000.1800	PP Foot Pump, 26 Lit/min. immerse tube - Φ18×depth 700mm		245,720

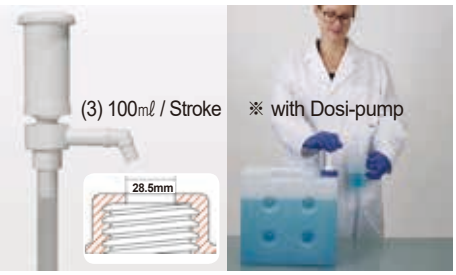
(2) With 1.5m PVC Delivery Hose & PP/ PE Stopcock : 12 Lit/min.

		Ea.	Price, ₩
BK.5000.3012	PP Hand Pump, 12 Lit/min. immerse tube - Φ12×depth 700mm		245,720

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description





Burkle® Dosi-Pumps® Dosing Pump, Dosage 4㎖, 30㎖ and 100㎖/stroke Usable with Φ21 or 28.5mm Hole Cap, Bottle Excluded, 정량 펌프/디스펜서

■ ***Supplied by Burkle® in Germany***

■ ***Suitable for Barrels, Canisters, Carboys or Bottles for Dosing Liquids of Different Viscosities.***

∗ Mounted by you in your existing Container Closure ; To do this, a Suitable Hole is Drilled in the Cap(Drill-hole Φ21 or 28.5mm), then the Pump is Inserted through the Hole and Screwed in place from below.

∗ Medium/Solution-Contacting Parts made of PP, PE and Stainless-steel.

∗ A Matching Container Connection is not Included.

〈L1〉

(1) 4㎖ Dosing per Stroke

		Ea.	Price, ₩
BK.5607.1004	**Dosi-pump, 4㎖/stroke,** drill hole Φ21mm, immers depth 25cm		24,290

(2) 30㎖ Dosing per Stroke

		Ea.	Price, ₩
BK.5607.2030	**Dosi-pump, 30㎖/stroke,** drill hole Φ28.5mm, immers depth 38.5cm		38,490

(3) 100㎖ Dosing per Stroke, Fixed Feeding Tube

		Ea.	Price, ₩
BK.5607.4100	**Dosi-pump, 100㎖/stroke,** drill hole Φ28.5mm, immers depth 29.5cm		207,870

Articles	Cat. No	Description

jiPump™ Precise Peristaltic Pump Set, with Classic PSU Module Pump Head

Up to 600rpm, Flow Rate 0.02~3000㎖/min, Large-screen Color LCD Graphic Display, **정밀 액체 연동 펌프, 내부식/내화학성 헤드**



jiPump™
Peristaltic Pump Set with PSU Head





Easy Load Pump Head, "15PSU"



Stack up to 2 Pump Heads



Optional Foot Switch

- ***Supplied by SciLab Korea*** ■ ***펌프 헤드를 장착하여 일정 유속으로 액체를 분주할 수 있게 하는 펌프***
- ***Chemical Properties Stackable Module Pump Head - PSU (PolySulfone)***
- ***Flow rate : 0.02~3000㎖/min, Depends on Pump Head Type, RPM and Tubing Size***
- ***Large Graphic Display shows Three Operating Modes - Timing, Filling and Continuous Run***
- ***Automatic Identification Footswitch***
- ∗ Good Appearance and Chemical Properties PSU Pump Head
- ∗ Rotating Code Switch, Convenient and Practical, with Voice and Text Prompt can be operated Easily
- ∗ Operation Instructions : Panel Operation, Foot Switch (Automatic Recognition - Optional)
- ∗ Stack up to 2pump Heads to Driver

Pump Driver Specification

Pump driver	CA-1	CA-3	CA-6
Display mode	Color LCD graphic display		
Flow Rate	≤500㎖	≤1500㎖	≤3000㎖
Speed	0.1 ~ 100 RPM	0.1 ~ 300 RPM	0.1 ~ 600 RPM
Speed Mode	Reversible / Rotary Encoder Switch		
Suck-back Angle	0 ~ 360° Arbitrarily Set		
Foot Switch	Automatic Identification (Optional)		
Dimension	304×166×h178mm		
Weight / Power	3.5 ~ 4.5kg / 18W	3.7 ~ 4.7kg / 36W	4.1 ~ 5.1kg / 54W
Work Environment	−20℃+60℃, Relative Humidity Less than 85%		
Power Supply	AC220V 50/60Hz(AC110V 50/60Hz Optional)		
Protection Grade	IP31		

Flow Rate according to Pump Head · Pump Driver · Used Tubing (Medium : Water)

Pump Head Type		15PSU					25PSU			
Tubing No.		SL.1616	SL.1632	SL.1648	SL.1664	SL.1679	SL.2448	SL.2464	SL.2479	SL.2496
Tubing Inner Dia.Φ(mm)		1.6	3.1	4.8	6.4	7.9	4.8	6.4	7.9	9.6
Tubing Thickness(mm)		1.6					2.4			
CA-1 Driver	Speed(rpm)	0.1 ~ 100								
	Flow Rate(㎖/min)	0.02~21	0.07~79	0.17~194	0.29~275	0.39~380	0.14~135	0.26~248	0.26~390	0.5~500
CA-3 Driver	Speed(rpm)	0.1 ~ 300								
	Flow Rate(㎖/min)	0.03~63	0.08~230	0.17~500	0.3~890	0.4~1170	0.2~445	0.3~840	0.4~1170	0.5~1500
CA-6 Driver	Speed(rpm)	0.1 ~ 600								
	Flow Rate(㎖/min)	0.03~125	0.08~470	0.17~1120	0.3~1780	0.4~2200	0.2~900	0.3~1620	0.4~2340	0.5~3000

Ordering Information

〈L1〉

CA-1 Driver, with Pump Head 15PSU and 25PSU, 0.02~500㎖/min, Single & 2-channels

		Ea. Price, ₩
SL.PuCA1.15PS	Peristaltic Pump Set, **"CA-1"**, with 1×15PSU Pump Head, (0.02~380㎖/min)	1,283,250
SL.PuCA1.25PS	, with 1×25PSU Pump Head, (0.14~500㎖/min)	1,283,250
SL.PuCA1.15PS2	, with 2×15PSU Pump Head, 2×(0.03~380㎖/min)	1,578,040
SL.PuCA1.25PS2	, with 2×25PSU Pump Head, 2×(0.14~500㎖/min)	1,578,040

CA-3 Driver, with Pump Head 15PSU and 25PSU, 0.03~1500㎖/min, Singl- & 2-channels

		Ea. Price, ₩
SL.PuCA3.15PS	Peristaltic Pump Set, **"CA-3"**, with 1×15PSU Pump Head, (0.03~1170㎖/min)	1,392,440
SL.PuCA3.25PS	, with 1×25PSU Pump Head, (0.2~1500㎖/min)	1,392,440
SL.PuCA3.15PS2	, with 2×15PSU Pump Head, 2×(0.03~1170㎖/min)	1,687,230
SL.PuCA3.25PS2	, with 2×25PSU Pump Head, 2×(0.2~1500㎖/min)	1,687,230

CA-6 Driver, with Pump Head 15PSU and 25PSU, 0.03~3000㎖/min, Single & 2-channels

		Ea. Price, ₩
SL.PuCA6.15PS	Peristaltic Pump Set, **"CA-6"**, with 1×15PSU Pump Head, (0.03~2200㎖/min)	1,501,620
SL.PuCA6.25PS	, with 1×25PSU Pump Head, (0.2~3000㎖/min)	1,501,620
SL.PuCA6.15PS2	, with 2×15PSU Pump Head, 2×(0.03~2200㎖/min)	1,796,400
SL.PuCA6.25PS2	, with 2×25PSU Pump Head, 2×(0.2~3000㎖/min)	1,796,400

Spare Pump Heads

		Ea. Price, ₩
SL.15PS	PSU Pump Head, **"15PSU"**, for 1.6mm Thickness Tubing	303,920
SL.25PS	, **"25PSU"**, for 2.4mm Thickness Tubing	303,920

Optional Foot Switch

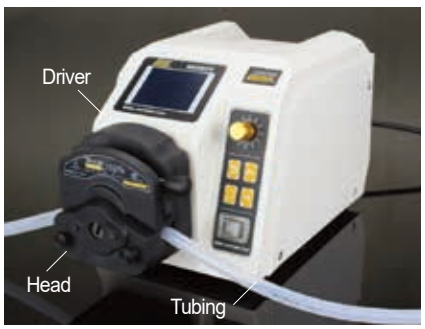
		Ea. Price, ₩
SL.Fswitch	Foot Switch, for Start-stop Control	30,030

※ **The Details for Optional Order : Please see the last page of peristaltic pump**

※ The Price(VAT is extra) for Korean End-user, and Changeable.

jiPump™ Anti-corrosive Precise Peristaltic Pump Set, with PPS Module Pump Head

Up to 600rpm, Flow Rate 0.02~3000㎖/min, Large-screen Color LCD Graphic Display, **정밀 액체 연동 펌프, 내부식/내화학성 헤드**



jiPump™
Peristaltic Pump Set with PPS Head





Easy Load Pump Head, "15PPS"
Corrosion/Chemical Resistance



Optional Foot Switch

- ***Supplied by SciLab Korea*** ■ ***펌프 헤드를 장착하여 일정 유속으로 액체를 분주할 수 있게 하는 펌프***
- ***High-strength Corrosion/Chemical Resistance Stackable Module Pump Head - PPS (Polyphenylene Sulfine)***
- ***Flow rate : 0.02~3000㎖/min, Depends on Pump Head Type, RPM and Tubing Size***
- ***Large Graphic Display shows Three Operating Modes - Timing, Filling and Continuous Run***
- ***Automatic Identification Footswitch***

* PPS Material Pump Head has Stable Performance and High Temperature Resistance(200℃)
* Rotating Code Switch, Convenient and Practical, with Voice and Text Prompt can be operated Easily
* Operation Instructions : Panel Operation, Foot Switch (Automatic Recognition - Optional)
* Stack up to 2pump Heads to Driver

Pump Driver Specification

Pump driver	CA-1	CA-3	CA-6
Display mode	Color LCD graphic display		
Flow Rate	≤500㎖	≤1500㎖	≤3000㎖
Speed	0.1 ~ 100 RPM	0.1 ~ 300 RPM	0.1 ~ 600 RPM
Speed Mode	Reversible / Rotary Encoder Switch		
Suck-back Angle	0 ~ 360° Arbitrarily Set		
Foot Switch	Automatic Identification (Optional)		
Dimension	304×166×h178mm		
Weight / Power	3.5 ~ 4.5kg /18W	3.7 ~ 4.7kg / 36W	4.1 ~ 5.1kg / 54W
Work Environment	−20℃+60℃, Relative Humidity Less than 85%		
Power Supply	AC220V 50/60Hz(AC110V 50/60Hz Optional)		
Protection Grade	IP31		

Flow Rate according to Pump Head · Pump Driver · Used Tubing (Medium : Water)

Pump Head Type		15PPS					25PPS			
Tubing No.		SL.1616	SL.1632	SL.1648	SL.1664	SL.1679	SL.2448	SL.2464	SL.2479	SL.2496
Tubing Inner Dia.Φ(mm)		1.6	3.1	4.8	6.4	7.9	4.8	6.4	7.9	9.6
Tubing Thickness(mm)		1.6					2.4			
CA-1 Driver	Speed(rpm)	0.1 ~ 100								
	Flow Rate(㎖/min)	0.02~21	0.07~79	0.17~194	0.29~275	0.39~380	0.14~135	0.26~248	0.26~390	0.5~500
CA-3 Driver	Speed(rpm)	0.1 ~ 300								
	Flow Rate(㎖/min)	0.03~63	0.08~230	0.17~500	0.3~890	0.4~1170	0.2~445	0.3~840	0.4~1170	0.5~1500
CA-6 Driver	Speed(rpm)	0.1 ~ 600								
	Flow Rate(㎖/min)	0.03~125	0.08~470	0.17~1120	0.3~1780	0.4~2200	0.2~900	0.3~1620	0.4~2340	0.5~3000

Ordering Information

〈L1〉

CA-1 Driver, with Pump Head 15PPS and 25PPS, 0.02~500㎖/min, Single & 2-channels

		Ea. Price, ₩
SL.PuCA1.15PP	Peristaltic Pump Set, **"CA-1"**, with 1×15PPS Pump Head, (0.02~380㎖/min)	1,223,570
SL.PuCA1.25PP	, with 1×25PPS Pump Head, (0.14~500㎖/min)	1,223,570
SL.PuCA1.15PP2	, with 2×15PPS Pump Head, 2×(0.02~380㎖/min)	1,458,670
SL.PuCA1.25PP2	, with 2×25PPS Pump Head, 2×(0.14~500㎖/min)	1,458,670

CA-3 Driver, with Pump Head 15PPS and 25PPS, 0.03~1500㎖/min, Single & 2-channels

		Ea. Price, ₩
SL.PuCA3.15PP	Peristaltic Pump Set, **"CA-3"**, with 1×15PPS Pump Head, (0.03~1170㎖/min)	1,332,750
SL.PuCA3.25PP	, with 1×25PPS Pump Head, (0.2~1500㎖/min)	1,332,750
SL.PuCA3.15PP2	, with 2×15PPS Pump Head, 2×(0.03~1170㎖/min)	1,567,850
SL.PuCA3.25PP2	, with 2×25PPS Pump Head, 2×(0.2~1500㎖/min)	1,567,850

CA-6 Driver, with Pump Head 15PPS and 25PPS, 0.03~3000㎖/min, Single & 2-channels

		Ea. Price, ₩
SL.PuCA6.15PP	Peristaltic Pump Set, **"CA-6"**, with 1×15PPS Pump Head, (0.03~2200㎖/min)	1,441,930
SL.PuCA6.25PP	, with 1×25PPS Pump Head, (0.2~3000㎖/min)	1,441,930
SL.PuCA6.15PP2	, with 2×15PPS Pump Head, 2×(0.03~2200㎖/min)	1,677,030
SL.PuCA6.25PP2	, with 2×25PPS Pump Head, 2×(0.2~3000㎖/min)	1,677,030

Spare Pump Heads

		Ea. Price, ₩
SL.15PP	Pumphead, Easy Load, **"15PPS"**, for 1.6mm Thickness Tubing	242,390
SL.25PP	, **"25PPS"**, for 2.4mm Thickness Tubing	242,390

Optional Foot Switch

		Ea. Price, ₩
SL.Fswitch	Foot Switch, for Start-stop Control	30,030

※ **The Details for Optional Order : Please see the last page of peristaltic pump**

jiPump™ Micro Precise Flow Peristaltic Pump Set, with Micro-/Multi-channel Pump Head, 1~4 Channel

Up to 300rpm, Flow Rate 0.005~45㎖/min, Large-screen Color LCD Graphic Display, **정밀 미량 액체 연동 펌프**



jiPump™
Peristaltic Pump with DG4 Head, 4×0.005~45㎖ 4-channel



Multi-channel Micro Flow Pump Head, Module-type

- ***Supplied by SciLab Korea***
- ***1-/2-/4-채널 펌프헤드를 장착하여 일정 유속으로 액체를 분주할 수 있게 하는 펌프***
- ***For Micro Flow Rate, Multi-channel Fluid Transfer, Easy to Change and Fix the Tubing***
- ***1 to 4 Channel DG series Pump Head***
- ***Flow rate : 0.005~45㎖/min, Depends on Pump Head Type, RPM and Tubing Size***
- ***Large Graphic Display shows Three Operating Modes - Timing, Filling and Continuous Run***
- ***Automatic Identification Footswitch***

∗ Change and Fix Tubing Easily
∗ Skillful Trigger Structure, Convenient to Eject the Cartridges (DG-1, DG-2)
∗ More Rollers reduces Pulsation and Flow Rate Slightly

Pump Driver Specification

Pump driver	CA-3
Display mode	Color LCD graphic display
Flow Rate	≤45㎖
Speed	0.1~300 RPM
Speed Mode	Reversible / Rotary Encoder Switch
Suck-back Angle	0 ~ 360° Arbitrarily Set
Foot Switch	Automatic Identification (Optional)
Dimension	304×166×h178(mm)
Weight / Power	3.7~4.7kg / 36W
Work Environment	−20℃+60℃, Relative Humidity Less than 85%
Power Supply	AC220V 50/60Hz(AC110V 50/60Hz Optional)
Protection Grade	IP31

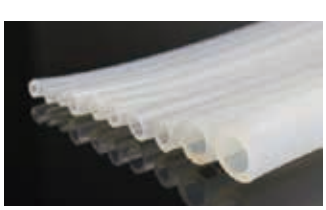
Flow Rate according to Pump Head · Pump Driver · Used Tubing (Medium : Water)

Pump Head Type	DG1	DG2	DG4
Channel Quantity	1	2	4
Tubing	ID≤3.17mm, Wall Thickness 0.8~1mm		
Speed(rpm)	0.1~150 rpm		
Max. Flow Rate/Channel(ml/min)	48㎖/min		
Flow Rate According to Tubing Size	ID 1mm - 0.005~15㎖/min ID 2mm - 0.14 ~18㎖/min ID 3mm - 0.23 ~45㎖/min		

Ordering Information



(1) Optional Foot Switch



(2) Optional Silicone Tubing

CA-3, with Pump Head DGx Series, 0.005~45㎖/min, 1~4-channels

〈L1〉

		Ea. Price, ₩
SL.PuCA3.DG1	Peristaltic Pump Set, **"CA-3"**, with DG1 Pump Head, 1 Channel, (0.005~45㎖/min)	1,269,430
SL.PuCA3.DG2	, with DG2 Pump Head, 2 Channel, 2×(0.005~45㎖/min)	1,302,180
SL.PuCA3.DG4	, with DG4 Pump Head, 4 Channel, 4×(0.005~45㎖/min)	1,367,690

Spare Pump Heads

		Ea. Price, ₩
SL.DG1	Micro Flow Pump Head, **"DG1"**, Single Channel	177,100
SL.DG2	, **"DG2"**, 2-Channel	210,880
SL.DG4	, **"DG4"**, 4-Channel	278,400

Optional Foot Switch and Silicone Tubings

		Ea. Price, ₩
SL.Fswitch	(1) Foot Switch, for Start-stop Control	30,030
SL.1010	(2) Silicone Tubing, for DG Head, 1.0mm Wall, id Φ1.0mm×L2m	12,530
SL.1020	, id Φ2.0mm×L2m	15,640
SL.1030	, id Φ3.0mm×L2m	21,900
SL.1040	, id Φ4.0mm×L2m	25,030

※ **The Details for Optional Order : Please see the last page of peristaltic pump**

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description

Accessories for *jiPump*™ Peristaltic Pump : Pump-Driver · Head · Silicone Tubing &c.

With Peristaltic Pump Driver, Module Pump Head, Foot Switch, Countersunk Head, Silicone tubing, **액체 연동 펌프 세트 악세서리**



(1) Peristaltic Pump Only





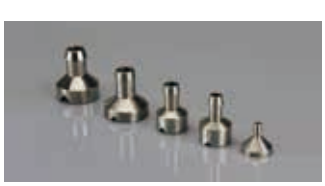
(2) Multi-channel Micro Flow Pump Head, Module-type



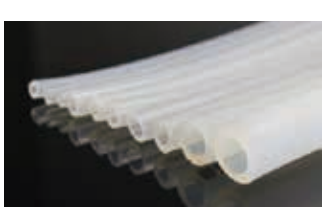
(3-1) PSU Pump Head, "15PSU"
(3-2) PPS Pump Head, "15PPS" Corrosion/Chemical Resistance



(4) Foot Switch, Start-stop Control



(5) Anti Floating Countersunk Head, 5Pcs, Φ2.5~10mm



(6) Silicone tubing, id Φ1.0~9.6mm

■ ***Supplied by SciLab Korea***

(1) Peristaltic Pump Driver

∗ Flow Rate : 0.02 ~ 3000 ㎖/min
∗ Large Graphic Display Shows Three Operating Modes - Timing, Filling and Continuous Bum
∗ Pump Head can be Attached to Driver

〈L1〉

		Ea. Price, ₩
SL.PuCA1	Driver **"CA-1"**, 0.1~100 rpm, 3.5~4.5kg, 18W	1,019,040
SL.PuCA3	Driver **"CA-3"**, 0.1~300 rpm, 3.7~4.7kg, 36W	1,131,590
SL.PuCA6	Driver **"CA-6"**, 0.1~600 rpm, 4.1~5.1kg, 54W	1,244,150

(2) Micro Flow Pump Head, DG Series

∗ For Micro Flow Rate, Multi-channel Fluid Transfer, Easy to Change and Fix the Tubing
∗ Change and Fix Tubing Easily
∗ More Rollers reduces Pulsation and Flow Rate Slightly

		Ea. Price, ₩
SL.DG1	Micro Flow Pump Head, **"DG1"**, Single Channel	177,100
SL.DG2	, **"DG2"**, 2-Channel	210,880
SL.DG4	, **"DG4"**, 4-Channel	278,400

(3) Module Pump Head, PSU/PPS Materials, SS304 Imported Rollers

∗ PSU Material Pump Head (153Yx-PSU, 253Yx-PSU) : Good Appearance and Chemical Properties
∗ PPS Material Pump Head (153Yx-PPS, 253Yx-PPS) : High-strength Corrosion/Chemical Resistance
∗ 15model (153Yx) - Can only be installed Thickness 1.6mm Tubing (14# id Φ1.6mm ~18# Φ7.9mm / 1.6mm Wall)
∗ 25model (253Yx) - Can only be installed Thickness 2.4mm Tubing (15# id Φ4.8mm ~36# id Φ9.6mm / 2.4mm Wall)
∗ Unique Dust Cover Design, More Clean and Hygienic Easy to Clean
∗ Runner used imported SS304

		Ea. Price, ₩
SL.15PS	(3-1) PSU Pump Head, **"15PSU"**, Suit for 1.6mm Thickness Tubing, White	303,920
SL.25PS	, **"25PSU"**, Suit for 2.4mm Thickness Tubing, White	303,920
SL.15PP	(3-2) PPS Pump Head, **"15PPS"**, Suit for 1.6mm Thickness Tubing, Black	242,390
SL.25PP	, **"25PPS"**, Suit for 2.4mm Thickness Tubing, Black	242,390

(4) Foot Switch

∗ Foot Switch Starts and Stops the Dispensing Cycle without the Use of Hands
∗ Used in the Start-stop Control instead of a Key Operation ∗ Connect to Peristaltic Pump Directly

		Ea. Price, ₩
SL.Fswitch	Foot Switch, for Start-stop Control	30,030

(5) Anti Floating Countersunk Head, SS304, Various Size

∗ Countersunk Head in order to ensure that the Liquid in the Container of the Pump Tubing can be Completely Inhaled.
∗ Selectable Anti Floating Countersunk Head according to Silicone Tubing ∗ Made of 304 Stainless Steel

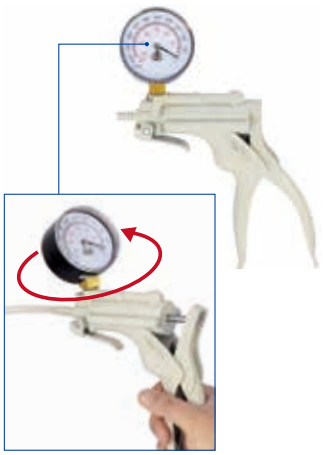
		Ea. Price, ₩
SL.AFH.1	Anti Floating Countersunk Head, for id Φ3.2mm Tubing	15,020
SL.AFH.2	, for id Φ4.8mm Tubing	20,280
SL.AFH.3	, for id Φ6.4mm Tubing	24,780
SL.AFH.4	, for id Φ7.9mm Tubing	26,280
SL.AFH.5	, for id Φ9.6mm Tubing	37,540

(6) Professional Platinum Silicone Tubing for Peristaltic Pump, Autoclavable

∗ Made of High-purity Quality Silicone Raw Materials ∗ Anti-aging, Anti-oxidation, Low Permeability
∗ Tear Resistance, Excellent Stretching and Resilience Fatigue Resistance
∗ High Transparency, Smooth Wall, High Cleanliness ∗ Higher Viscosity Liquids can be Transported

		Ea. Price, ₩
SL.1010	Silicone Tubing, for DG Head, 1.0mm Wall, id Φ1.0mm×L 2m	12,530
SL.1020	, id Φ2.0mm×L 2m	15,640
SL.1030	, id Φ3.0mm×L 2m	21,900
SL.1040	, id Φ4.0mm×L 2m	25,030
SL.1616	Silicone Tubing, for 15 Head, 1.6mm Wall, id Φ1.6mm×L 2m	25,030
SL.1632	, id Φ3.2mm×L 2m	40,650
SL.1648	, id Φ4.8mm×L 2m	56,290
SL.1664	, id Φ6.4mm×L 2m	68,800
SL.1679	, id Φ7.9mm×L 2m	81,300
SL.2448	Silicone Tubing, for 25 Head, 2.4mm Wall, id Φ4.8mm×L 2m	87,550
SL.2464	, id Φ6.4mm×L 2m	109,440
SL.2479	, id Φ7.9mm×L 2m	131,340
SL.2496	, id Φ9.6mm×L 2m	140,700

Articles	Cat. No	Description



with 360° Rotatable Vacuum Gauge

Burkle® PVC Hand Vacuum/Pressure Pump, with Vacuum Gauge, 16 & 32㎖/stroke
For id Φ6.4mm Connect-Hose, −0.85~+2 bar, **핸드 진공/압력 펌프**

■ ***Supplied by Burkle® in Germany***
■ ***360도 회전 가능한 압력게이지가 장착되어 사용자가 정확한 압력 확인 가능***
■ ***Maintenance-free*** ■ ***Self-Lubricating*** ■ ***Corrosion Resistant.***
∗ with 360° Rotatable Vacuum Gauge ∗ Easy to Operate with One Hand to Create a Vacuum or Pressure, for id 6.4 Flex-Hoses

(1) Hand Vacuum Pump, 0~−850 mbar

∗ Vacuum Range : 0~−850 mbar (Division : 20 mbar), −25~0 inch HG (Division : 1 inch HG)

〈L1〉

		Ea. Price, ₩
BK.5620.1180	Hand Vacuum Pump, 16㎖/stroke, with Vacuum Gauge	
BK.5620.1360	, 32㎖/stroke, with Vacuum Gauge	359,200

(2) Hand Vacuum/Pressure Pump, −0.85~+2 bar

∗ Vacuum/Pressure Range : −0.85~+2 bar (Division : 0.1 bar),
−25~0 inch HG (Division : 2 inch HG) & 0~30 psi (Division : 1 psi)

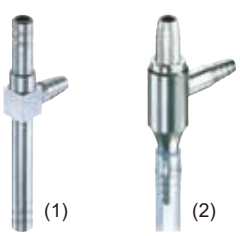
		Ea. Price, ₩
BK.5620.2180	Hand Vacuum/Pressure Pump, 16㎖/stroke, with Vacuum Gauge	499,130



Kartell® PP Standard Water-jet Pump, 0℃~125/140℃ Stable
Built-in Non-return Valve, <Italy-Made> PP **표준형 아스피레이터**

∗ Useful for Sucking to Waste any Split Chemicals as well as for Filter Work. ∗ Excellent Vacuum Performance 〈L1〉
∗ PP(Polypropylene), 140℃ Heat-resistant, Autoclavable

		Ea. Price, ₩
KA.1395	Water-jet Vacuum Pump, PP	28,680



(1) (2)



(3)

Precision Aspirator, with Non-return Valve, Nickel Plated Brass
With 120mm Rubber Hose, <Germany-Made> **정밀형 아스피레이터, 워터젯 펌프형**

∗ Built in Non-return Valve to Eliminate Back Flow

〈L1〉

(1) Standard-type, Length 130mm

		Ea. Price, ₩
US.5701	Aspirator, with Non-return Valve	124,000

(2) Hi-Speed type, Length 115mm

		Ea. Price, ₩
US.5710	Aspirator, with Non-return Valve	144,870

(3) Precision Vacuum Gauge, Measurement Range 0~1bar

∗ For Precision Aspirator(US.5701 & US.5710) ∗ Division : 0.05 Bar

		Ea. Price, ₩
US.5730	Gauge, Vacuum, od Φ48mm, id Φ42mm	131,550



2-Year Warranty
"WEV-003S" ideal for 1~5Lit Evaporator

DAIHAN® 0.098MPa/980mbar Multiuse Water Jet Vacuum Pump/Aspirator "WEV"
Ideal for Evaporator 1~5 Lit, with Multi-Taps & Safety Valve, Bath 15Lit, **다용도 아스피레이터, 워터젯 진공펌프**

■ ***Supplied by DAIHAN Korea*** ■ ***Resist Corrosion by Acid, Alkali and Solvents.***
■ ***Cyclically use Water, Save the Precious Water Resources.***
■ Good for Evaporation, Distillation, Crystallization, Drying, Sublimation, Filtration &c. ∗ Fluorine Rubber Sealing
∗ Need to Replace the Water in the Flume Regularly ∗ Double-tap, Double-display, can be used alone or in Parallel.

Specifications & Ordering Information

〈L1〉

Spec. \ Model	"WEV-003S" Ideal for 1~5Lit Evaporator
Max. Vacuum Degree	0.098 Mpa (980mbar)
Power & Bath Volume, Flow Rate	180W & 15Lit, 80 Lit/min
Taps & Air Sucking Amount	2 Tap, 10 Lit/min (1 Tap)
External Circulation Nozzle	id. 5/od. 10mm (id. 8/od.11 mm Silicone tube Connected for Circulation)
Safety Function	Safety Check Valve
Material & Drain Pipe	PP / PP, id. Φ15mm Drain Pipe
Dimension & Net Weight	385×280×h420 mm / 11 kg
Electric Reqts.	230V, 50/60Hz
Cat. No.	DH.WEV0003S
Price, Each. ₩	787,930

※ The Price(VAT is extra) for Korean End-user, and Changeable.

DAIHAN® 105mbar Oil Free Vacuum Pump "PU-300", with Fine Vacuum Regulator and Moisture Trap, 20Lit/min
With Prote™ Overflow Protection, Built-in Thermal Protection, Protection Class IP30, **진공 펌프**

CE *1-Year Warranty*



105mbar Oil Free Vacuum Pump "PU-300"

■ ***진공 처리가 필요한 다양한 실험에서 사용이 가능***
■ ***CE, CSA, and RoHS Certified***
■ ***Used for General Filtration, Microbiological Test, Suspended Solid Test, Solid-Phase Extraction, Microplate Vacuum Manifold, Air Sampling, etc.***

* Driven by Piston without Lubricant, Regular Oil Change and Maintenance ; No Oil Pollution
* Prote™ Overflow Protection is Installed to Prevent a Large Amount of Liquid from being Sucked into the Pump.
* Equipped with Filter Cartridge in Air Inlet to Filter Particle and Moisture to Prolong the Life of Pump.

〈L1〉

Spec. \ Model	"PU-300"	
Speed of Evacuation	20 Lit/min	23 Lit/min
Max. Vacuum	105 mbar, 78.8 torr	
Motor Power & Max. Current	60 W, 0.3A	65 W, 0.7A
Motor Rotation & Noise Level	1450 rpm, 50 dB	1750 rpm, 50 dB
Hose Barb	8mm	
Size & Weight	268×135×h204mm, 4.1kg	
Electric Rqts.	220V, 50Hz	110V, 60Hz
Cat. No.	**DH.Pu0300**	**DH.Pu0301**
Price, Each. ₩	396,000	396,000

DAIHAN® 10mbar Anticorrosive Vacuum Diaphragm Pump "PU-20", with Fine Regulator and Moisture Trap, 18Lit/min
With Built-in Thermal Protection, Quit and Low Vibration, **내부식성 저소음/저진동 진공 다이어프램 펌프**

1-Year Warranty



10mbar Anticorrosive Vacuum Diaphragm Pump "PU-20"

■ ***진공 처리가 필요한 다양한 실험에서 사용이 가능하며 최고 10mbar의 고진공 성능을 보여줌***
■ ***Used for Solvent purification, Gel dryer, Rotary Evaporator, Vacuum Filtration, etc.***
■ ***Resistance to Chemicals ; the Parts in Contact with the Gas are PTFE Coated.***

* Driven by Diaphragm without Lubricant, Regular Oil Change and Maintenance ; No Oil Pollution
* Quiet and Low Vibration
* Built-in Thermal Protection

〈L1〉

Spec. \ Model	"PU-20"
Speed of Evacuation	18 Lit/min
Max. Vacuum	10 mbar, 7.5 torr
Motor Power & Max. Current	90 W, 0.5A
Motor Rotation & Noise Level	1450 rpm, 52dB
Hose Barb	8mm
Size & Weight	262×236×h193mm, 7.4kg
Electric Rqts.	220V, 50Hz
Cat. No.	**DH.Pu8020**
Price, Each. ₩	2,900,000

DAIHAN® 15mbar Anticorrosive Vacuum/Pressure Diaphragm Pump "PU-30", 25psi, 30Lit/min
Ideal for Multi-purpose, Oil-free, Double Heads, **내부식성 진공/압력 다이어프램 펌프, 더블헤드**

1-Year Warranty



15mbar Vacuum/Pressure Diaphragm Pump "PU-30"

■ ***진공 처리가 필요한 다양한 실험에서 사용이 가능하며 부식성 시료의 오염에 강함***
■ ***Used for Centrifugal Concentration, Evaporating System, Reduced Pressure Distillation, Solid Phase Extraction, Vacuum Concentration, Vacuum Filtration & Drying System, etc.***
■ ***Resistance to Chemicals ; the Parts in Contact with the Gas are PTFE Coated.***

* Tolerance to almost all Strong Acid, Alkali, Oxidizer, Reductant and Organic Solvents
* No Air Pollution due to the Gas Exchange Room with Filtering Material
* Automatic Cooling Exhaust System ensures Continuous Operation 24hrs a day.
* Automatic Power off to Protect Motor when the Pump Body Temp Reached at 130℃.

〈L1〉

Spec. \ Model	"PU-30"
Speed of Evacuation	30 Lit/min
Max. Vacuum & Max. Pressure	15 mbar, 11.3 torr & 25 Psi.
Motor Power	160 W
Noise Level & Temp of the body	＜60 dB & ＜55℃
Pump Head	2
Inlet & Outlet (mm)	id.Φ6 & 6 mm, od.Φ8 & 8 mm
Diaphragm & Valves	PTFE
Size & Weight	370×144×h275mm, 13.5kg
Electric Rqts.	220V, 50Hz
Cat. No.	**DH.Pu8030**
Price, Each. ₩	2,112,080

Articles	Cat. No	Description

TJV® Vacuum/Pressure Diaphragm Pump "GM-0.20", Oil-Less, ≥0.075Mpa, 250mbar, ≥30 Psi, 12 Lit/min
Ideal for Multi-purpose, 랩용 진공 펌프, 건식/다이아프램 펌프



"GM-0.20", 12Lit/min, 250mbar

- ***Vacuum Desiccators and Cabinets***
- ***TLC Sprayers***
- ***High Efficiency***
- ***Vacuum Filtration***
- ***Longer Operating Life***

∗ Ideal for Medicinal Products Analysis, Tenuously Chemical Engineering, Biochemical Pharmacy, Food Examination, Investigating and Solving Criminal Case, High-accuracy Chromatogram Apparatus and HPLC Solvent Filter
∗ Essential Equipment in the Laboratory

Specifications & Ordering information
‹L1›

Speed of Evacuation(L/Min) & Noise Level(DB)	Speed : 12Lit / min, Noise Level : ＜60dB
Temp of the body(℃) & Temp Working Environment(℃)	Body : ＜55℃, Working Environ : 7 ~ 40
Ultimate Pressure Vacuum / Pressure	≥0.075Mpa, 250mbar / ≥30 Psi
Inlet / Outlet (mm)	Φ 6 / Φ 6
Motor Power(W) & Pump Head	Motor Power : 75W, Pump Head : Nylon
Dimensions(w×d×h) / Weight	Size : 195×98×h156mm, Weight : 4kg
Cat. No.	**TJ.Pu0101**
Price, Each. ₩	422,100

TJV® Anticorrosive Vacuum/Pressure Diaphragm Pump "GM-series", Oil-free
Ideal for Multi-purpose, 200/50mbar, 20~120Lit/min, 내부식성 다이어프램 펌프



(1) Single Head, "**GM-0.33A**", 20Lit/min



(2) Single Head, "**GM-0.50A**", 30Lit/min



(3) Double Heads, "**GM-0.50B**", 30Lit/min



(4) Double Heads, "**GM-1.00**", 60Lit/min



(5) Double Heads, "**GM-2**", 120Lit/min

- ***진공 처리가 필요한 다양한 실험에서 사용되며 부식성 시료의 오염에 강함***
- ***PTFE Coated as Pump's Chamber, Diaphragm & Valves, Suitable for Corrosive Gas or Organic Solvents.***
- ***Used for Centrifugal Concentration, Evaporating System, Reduced Pressure Distillation, Rotary Evaporation, Solid Phase Extraction, Vacuum Concentration, Vacuum Filtration & Drying System, etc.***
- ***With Quality Reliability, Unique Structural Design to meet the Various needs of the Laboratory.***
- ***Small and Light weight, Easy to Move, Space Saving, Convenient Maintenance.***

∗ Able to Tolerance almost all Strong Acid, Alkali, Oxidizer, Reductant and Variety of Organic Solvents.
∗ Ideal for Medicinal Products Analysis, Tenuously Chemical Engineering, Biochemical Pharmacy, Food Examination, Investigating and Solving Criminal Case, High-accuracy Chromatogram Apparatus and HPLC Solvent Filter

Specifications & Ordering Information
‹L1›

Model	(1) GM-0.33A Max. 20L/min	(2) GM-0.50A Max. 30L/min	(3) GM-0.50B Max. 30L/min	(4) GM-1.00 Max. 60L/min	(5) GM-2 Max. 120L/min
Pump Head	1	1	2	2	2
Speed of Evacuation (L/min)	20	30	30	60	120
Vacuum	200mbar	200mbar	50mbar	200mbar	200mbar
Pressure	None	30 Psi	None	30 Psi	None
Motor Power(W)	160				300
Inlet / Outlet(mm)	O.D Φ6 / 6				O.D Φ9 / 9
Working Temp(℃)	7 ~ 40				
Voltage Rating	230Vac, 50Hz				
Noise Level(dB)	＜60				
Temp of the body(℃)	＜55				
Diaphragm & Valves	NBR(Nitrile Butadiene Rubber) with the PTFE Coating Outside				
Weight (kg)	7.5	8	10	10	20
Dimensions (w×d×h) (mm)	215×120×h235	210×160×h235	300×120×h235	300×160×h235	390×150×h250
Cat. No.	**TJ.Pu0107**	**TJ.Pu0109**	**TJ.Pu0110**	**TJ.Pu0111**	**TJ.Pu0112**
Price, Each. ₩	615,830	850,500	1,077,300	1,077,300	1,908,900

※ The Price(VAT is extra) for Korean End-user, and Changeable.



(1) VOP-50



(2) VOP-60



(3) VOP-100



(4) VOP-150



(5) VOP-200



(6)



(7)



(8) & (9)
Oil 1 & 4Lit

Vacuumer® Precision Vacuum Pump "VOP-Series", Gas Ballast Valve Installed, 42~240 Lit

With Double-Stage, Direct Drive & Oil Sealed Rotary Type, **정밀 진공펌프, Oil형**

■ 오일 역류 방지 장치가 장착된 진공펌프 ***■ Made in Korea*** ***■ Oil Back Flow Prevention Mechanism Installed***

* Easy-to-use Large Finger Grips
* Over Current Protection
* Installed Filter Prevent Sludge Contamination
* Physical and Chemical Apparatus Industries
* Ideal for Vacuum Evaporation Equipment / Vacuum Dryer / Vacuum Freeze Dryer, etc.

Specifications & Ordering information

〈L4〉

Model	(1) "VOP-50"	(2) "VOP-60"	(3) "VOP-100"	(4) "VOP-150"	(5) "VOP-200"
Pumping Speed (50/60Hz)	42 / 50 Lit/min	50 / 60 Lit/min	100 / 120 Lit/min	150 / 180 Lit/min	200 / 240 Lit/min
Ultimate Pressure (Pa)	6.7×10^{-2} Pa				
Vacuum Degree (mbar)	6.7×10^{-4} mbar				
Motor Power	Single Phase 220V, 200W, 4poles		Single Phase 220V, 400W, 4poles	Single Phase 220V, 550W, 4poles	
Motor Speed(50/60Hz)	1430 / 1730 RPM				
Recommended Oil	COSMA-100				
Oil Capacity(㎖)	800		900	1000	1100
Suction Pipe(o.d×i.d)	NW25(KF25)				
Temp Range	7℃~40℃				
Weight	17.5kg	17kg	25kg	28.5kg	30kg
Dimensions(w×d×h) (mm)	170×398×251	165×411×234	171×464×238	189×504×253	189×524×253
Electric Reqts.	220V, 50 / 60Hz				
Cat. No.	**V3.VOP050**	**V3.VOP060**	**V3.VOP100**	**V3.VOP150**	**V3.VOP200**
Price, Each. ₩	1,500,000	1,562,500	1,765,630	2,000,000	2,156,250

* Per Customer's request various specifications are available.
* Using the Macleod gauge the ultimate pressure is measured. The measurements from the pirani gauge are show In ( ).

Optional Accessory for VOP-series

Oil Mist Trap

		Ea.	Price, ₩
* Available Less than 200L/min Model, Access Port : NW25(KF25)			
V3.OMT150	(6) Oil Mist Trap for VOP-50 / VOP-60 / VOP-100 / VOP-150		312,500
* Available Less than 560L/min Model, Access Port : NW25(KF25)			
V3.OMT300	(7) Oil Mist Trap for All VOP-series		468,750

Vacuum Pump Oil

		Ea.	Price, ₩
V3.COS101	(8) Oil for Vacuum Pump VOP-series, 1Lit		28,130
V3.COS104	(9) , 4Lit		62,500

Nipple

		Ea.	Price, ₩
V3.Nip012	(10) Nipple, for NW25 Suction Pipe, Φ12mm		65,630
V3.Nip015	, Φ15mm		65,630
V3.Nip018	, Φ18mm		65,630

Centering & Clamp

		Ea.	Price, ₩
V3.Cen0025	(11) Centering, for NW25 Suction Pipe		12,500
V3.Cla0025	(12) Clamp, for NW25 Suction Pipe		12,500

※ **Selection Guide ; We Recommend**

"VOP-50" for 20Lit Vacuum Oven, "OV-20" & "SOV-20"
"VOP-60" for 20 & 30Lit Vacuum Oven, "OV-20 · 30" & "SOV-20 · 30"
"VOP-100" for 20~70Lit Vacuum Oven, "OV-20 · 30 · 70" & "SOV-20 · 30 · 70"



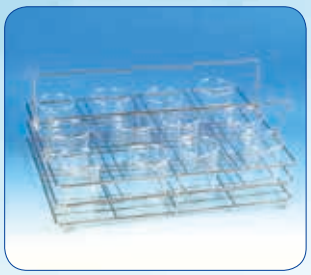
(10)



(11)



(12)

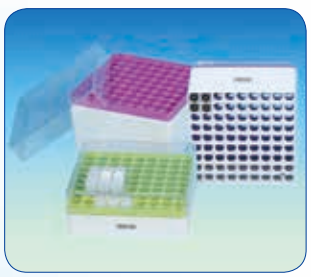

Beaker Carrier

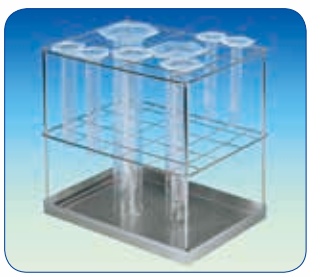

Bottle Rack


Cooling Tube Block

Racks

Beaker Carriers ····· P. 601
Bottle Racks ····· P. 601~602
Cooling & Heating Tube Racks/Blocks ····· P. 602
Cryovial Racks & Freezer Boxes ····· P. 603~606
Cuvette Holders ····· P. 607
Cylinder Rack ····· P. 607
Dish Carriers · Racks · Stands *New* ····· P. 608
Drying with/without Heating Air Blower ····· P. 608~609
Glove Pack Holder ····· P. 610
Microtube Racks *New* ····· P. 611~612
PCR Tube Racks ····· P. 613
Pipet Racks & Trays ····· P. 610
Pipettor Stands ····· P. 579
Pipettor Tip Racks ····· P. 580~582
Test Tube Racks *New* ····· P. 614~617
Vial Racks ····· P. 618


Cryovial Rack

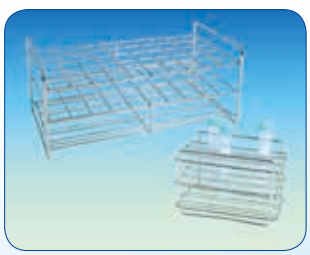

Cylinder Rack


Dish Rack


Microtube Rack

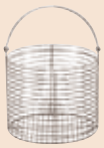

PCR Tube Rack


Pipet Rack

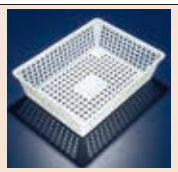

Test Tube Rack



Vial Rack



▶ Baskets
⇒ See the "Baskets"-Section!





Beaker Carriers, for 100㎖~500㎖

SciLab® Stainless-steel Beaker Carrier, with Double Wire Handle, for 100~500㎖
For Carrying up to 12 Beakers, Φ60mm~Φ100mm, 스텐선 비이커 운반대

■ ***Made in Korea*** ∗ Stainless-steel(SS), with 2-wire Handle
∗ Capacity : Φ60mm(about 100㎖) Bottle - 12ea, Φ90mm(about 250㎖) Bottle - 12ea
Φ100mm(about 500㎖) Bottle - 12ea

〈L1〉

		Ea. Price, ₩
SL.Rac7025	Beaker Carrier, SS, Φ60mm×12ea , 280×380×h92mm, for 100㎖	90,800
SL.Rac7026	, Φ90mm×12ea , 328×440×h92mm, for 250㎖	97,000
SL.Rac7027	, Φ100mm×12ea, 354×475×h92mm, for 500㎖	105,400

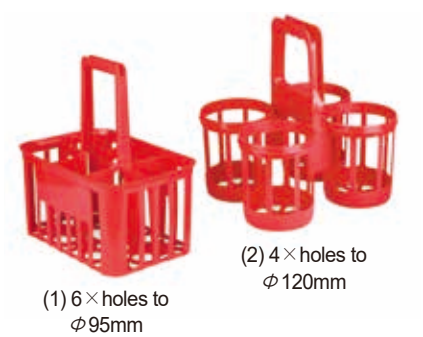
, Bottles 바틀 랙



PP Bottle Carrier Tray, Single Handhead-type, White, Up to 6×Φ86mm Bottles (ex.500㎖)
With 2 Rows & Center Handle, −10℃+125/140℃, PP 보관/운반용 바틀 캐리어, 운반손잡이

■ ***Supplied by SciLab Korea***
■ ***Capacity ; Up to 6 Pcs of Φ86mm (500㎖) Bottles : 500㎖(Φ86mm) 이하의 바틀용.***
∗ Single Handhead-type : Ideal for Carrying Reagents or Laboratory Apparatus from one place to another 〈L1〉
∗ Inside : 338×211×h110mm, and 2 Rows. ∗ Autoclavable.

		Ea. Price, ₩	Pk.	Price, ₩
SL.Rac3001	Carrier Tray, PP, 380×240×h115 mm	28,520	6ea	165,830



(1) 6×holes to Φ95mm
(2) 4×holes to Φ120mm

Kartell® HDPE Bottle Carrier, for 6×1Lit(to Φ95mm) and 4×2Lit(to Φ120mm)
With Fold-Handle, Stackable, −50℃+105/120℃, <Italy-Made> HDPE 바틀 캐리어

∗ High Density Polyethylene(HDPE), Heavy-Duty Structure.
∗ Handle : Ergonomic Design, and Can be Easily Stacked.
∗ (1) #395 : 6 places for up to Φ 95mm Bottles : <ex>1000㎖×6ea
∗ (2) #396 : 4 places for up to Φ120mm Bottles : <ex>2000㎖×4ea

〈L1〉

		Ea. Price, ₩	Cs.	Price, ₩
KA.395	(1) Bottle Carrier, PE, 6×holes, (95×95×Deep 150mm) 210×300×h320mm	13,340	5ea	64,600
KA.396	(2) Bottle Carrier, PE, 4×holes, (Φ120×Deep 150mm) 270×270×h310mm (Handle Folded)	15,330	5ea	74,280



Kartell® PP Bottle Rack & PVC 9-rows Vial Tray, 126×7㎖ Vials
Up to 18×500㎖ or 12×1Lit Bottle, <Italy-Made> PP 바틀랙 & PVC 바이알 트레이

∗ 548 is a tough 12 liters autoclavable Tray for a Variety of Uses ∗ Can Hold 18×500㎖ or 12×1 Lit bottles.
∗ 952 is a Strong PVC Tray for Holding Sample Bottles with Base Diameter not Greater than 22 mm
∗ Ideal for 7 ㎖ (1/4oz) Bijou Bottles or Specimen Tubes 〈L1〉
∗ Each of Nine Rows can Hold 12 of such Bottles Making a Total Capacity of 126

		Ea. Price,₩
KA.548	Bottle Rack, PP, Hold up to 12×1Lit Bottles, 510×350×h105mm	33,590
KA.952	Vial Tray, PVC, 9-row, 350×25×h40mm	51,040

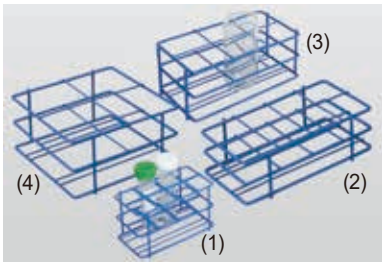


PP Bottle Rack, Autoclavable, 388×283×h125mm, −10℃+125/140℃
With Adjustable & Assembly Partition, PP 칸수 조절식 바틀랙

∗ Partition : 2 horizontal, 3 Vertical, Divider ∗ Outer size : 388×283×h125mm, Inner size : 335×250×h105mm
∗ Capacity : Up to Φ60mm(Equivalent 100㎖) - 20 Bottles, Up to Φ78mm(Equivalent 500㎖) - 12 Bottles 〈L2〉
Up to Φ110mm(Equivalent 1000㎖) - 4 Bottles

		Ea. Price, ₩
SL.Rac3212	Rack, PP, Bottle, 388×283×h125mm, Blue	37,070
SL.Rac3213	, Yellow	30,630
SL.Rac7221	Spare Inner Divider, for Length, for Horizontal, 335×85mm	7,470
SL.Rac7222	, for Width, for Vertical, 255×85mm	3,890

Articles	Cat. No	Description

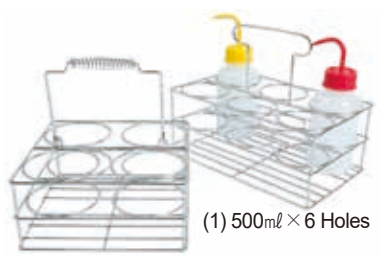


SciLab® Bottle & Centrifuge Tube Rack, 4~8 Places(Φ30~Φ97mm), Epoxy-coated Steel
Ideal for up to 500㎖ Bottles, Autoclavable, 121℃, **에폭시 코팅 스틸 랙**

■ ***Supplied by SciLab Korea*** ■ ***부식 방지를 위해 에폭시 코팅으로 표면 처리***
∗ Good Finished for Safety Work ∗ Excellent Chemical and Thermal Resistance, Autoclavable

〈L1〉

		Ea.	Price,₩
SL.Rac7005	(1) Rack, Epoxy-coated, 8×Φ30mm hole, for 50㎖, 150×82×h82mm		16,400
SL.Rac7007	(2) , 8×Φ52mm hole, for 100㎖, 230×128×h70mm		22,000
SL.Rac7006	(3) , 6×Φ60mm hole, for 250㎖, 210×136×h103mm		32,000
SL.Rac7008	(4) , 4×Φ97mm hole, for 500㎖, 210×205×h100mm		39,000



(2) 1,000㎖×4 Holes

SciLab® Wire Bottle Rack, Stainless-steel, with Handle, for 500 & 1,000㎖
Up to 500㎖×6 holes(Φ75mm) & 1,000㎖×4 holes(Φ95mm), 3-stepped, **스텐선 바틀랙**

■ ***Made in Korea*** ■ ***세척병 등의 운반/보관에 적합***
∗ Stainless-steel Rack with 3 Lines Carrying Clean Bottles / Suitable for Storage

〈L1〉

(1) Wire Bottle Rack, for 500㎖×6 holes(Φ75mm)

		Ea.	Price, ₩
SL.Rac7021	Rack, Bottle, 6×Φ75mm, 290×185×h235mm, for 500㎖ Bottle		35,270

(2) Wire Bottle Rack, for 1000㎖×4 holes(Φ95mm)

		Ea.	Price, ₩
SL.Rac7022	Rack, Bottle, 4×Φ95mm, 220×220×h100mm, for 1000㎖ Bottle		35,270



SciLab® B.O.D. Bottle Wire Rack, 300㎖×12Ea and 60㎖×20Ea, 스텐선 바틀 랙

■ ***Made in Korea*** ∗ Made of Stainless-steel Wire for Corrosion Resistance ∗ Stackable.
∗ Good Finished for Safety Work ∗ Excellent Chemical and Thermal Resistance, Autoclavable

〈L1〉

(1) For 60㎖ Bottle, 20-holes(dia.Φ48mm)

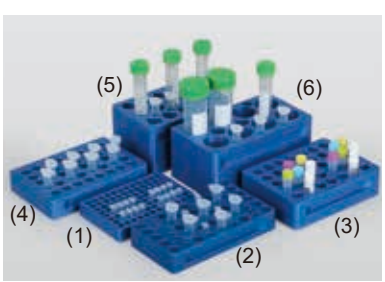
		Ea.	Price, ₩
SL.Rac7111	Rack, SS, for 20×60㎖ "B.O.D." Bottles, 340×220×h150mm		46,200

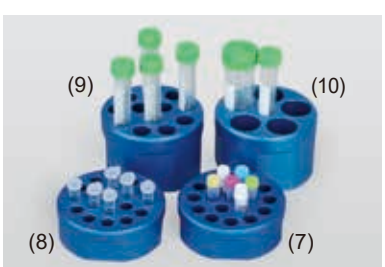
(2) For 300㎖ Bottle, 12- holes(dia.Φ75mm)

		Ea.	Price, ₩
SL.Rac7112	Rack, SS, for 12×300㎖ "B.O.D." Bottles, 340×250×h195mm		33,370

, *Cooling/Heating Blocks 쿨링/히팅블럭*

SciLab® Solid Anodized Aluminum Block, Rectangular & Round, for Samples Cooling
For Flat & Conical Bottom PCR Tubes, Cryo Vials & 1.5·2.0·15·50㎖ Tubes, **알미늄 블록/쿨링 랙, 사각 & 원형**







■ ***Made in Korea*** ■ ***High Durability and Excellent Insulating Properties***
■ ***Made of Solid Anodized Aluminum Blocks for Flat & Conical Bottom Tubes; Excellent Heat Transfer***
∗ for Conical & Flat Bottom PCR Tubes, Cryo Vails, Tubes
∗ Useful for water Ice, Dry Ice, and LN_2(Liquid Nitrogen)

1. Rectangular Aluminum Block

〈L1〉

#.	Cat.No	Use for	Dimensions(mm)	Hole Size			Ea. Price, ₩
				Wells	I.D(mm)	D(mm)	
(1)	SL.Buc8001	PCR Tubes	116×80×h15	96	Φ 6	13	170,000
(2)	SL.Buc8002	1.5㎖ Tubes	150×80×h25	25	Φ 11	23	170,000
		PCR Tubes		32	Φ 6	13	
(3)	SL.Buc8003	Cryo Vials	135×100×h35	35	Φ 25	25	200,000
(4)	SL.Buc8004	1.5 & 2㎖Tubes	140×95×h25	40	Φ 11	23	170,000
(5)	SL.Buc8005	1.5㎖ Tubes	130×85×h65	8	Φ 11	23	260,000
		15㎖ Tubes		15	Φ 15	55	
(6)	SL.Buc8006	1.5㎖ Tubes	156×87×h65	6	Φ 11	23	280,000
		15㎖ Tubes		3	Φ 16	55	
		50㎖ Tubes		8	Φ 30	55	

2. Round Aluminum Block

#.	Cat.No	Use for	Dimensions(mm)	Hole Size			Ea. Price, ₩
				Wells	I.D(mm)	D(mm)	
(7)	SL.Buc8011	Cryo Vials	Φ 100×h35	19	Φ 12	25	170,000
(8)	SL.Buc8012	1.5 & 2㎖Tubes	Φ 100×h35	19	Φ 11	25	170,000
(9)	SL.Buc8013	15Tubes	Φ 100×h65	12	Φ 15	55	223,000
(10)	SL.Buc8014	50㎖ Tubes	Φ 100×h65	5	Φ 30	55	223,000
				1	Φ 15	55	

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description


(1)


(2)

SciLab® 81-hole Hard Board Storage Box, with Hard Board- & PP- Divider, 133×133×h52mm
Ideal for ULT Freezer and LN_2 Freezing, for 1.5/2.0㎖ Microtube/Cryovials, 81홀 판지 보관 박스

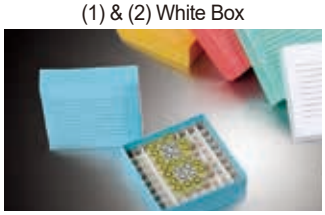
■ ***Made in Korea***
■ ***(2)시료의 위치 확인이 용이하도록 숫자와 알파벳이 박스 내/외 1면에 표기 되어있음***
* Useful for Ultra Low Temperature Freezer or LN_2 Tank to keep samples in Low Temperature.
* Temperature Range : Stable from -196℃+121℃ in Gas Phase
* Rigid Plastic coated White Hard Board to Protect Samples
* Dimensions : 133×133×h52mm * with Alphanumeric Index(2).

〈L1〉

Cat. No		Ea. Price, ₩
SL.Box901	(1) Hard Board Box, w/ **Hard Board** Divider, 81Holes×Φ13mm	2,630
SL.Box902	(2) , w/ **PP Divider** , 81Holes×Φ13mm	2,630

81- & 100-hole Cardboard Freezer Box, for 0.5~4㎖ Cryovials/Microtubes, 133×133×h52mm or h77mm
Ideal for ULT Freezer and LN_2 Freezing, with Cell Φ12 & 13mm, −196℃+121℃, 81 & 100홀 판지 냉동 보관 박스


(1) & (2) White Box


(3) 5 Color Assorted Box-Set

■ ***Supplied by SciLab Korea*** * Ideal for Liquid Nitrogen Storage * Non-waterproof
* Made from Durable Cardboard with Outer Coatings: Superior White and 4 color Assorted
* Chemically Resistant to Alcohols and Mild Organic Solvents
* Dimensions : 133×133×h52 or h77mm * Suitable for All Standard ULT Freezer Rack
* Temperature Range : Stable from -196℃+121℃ in Gas Phase

〈L1〉

(1) for 0.5~2㎖ Cryovials/Microtubes, White Boxes, h52mm

Cat. No		Ea.	Price,₩	Cs.	Price, ₩
SL.Box9001	**81-holes Box, White,** h52mm, 81Holes×Φ13mm		3,920	100ea	357,420
SL.Box9002	**100-holes Box, White,** h52mm, 100Holes×Φ12mm		3,920	100ea	357,420

(2) for 3/4㎖ Cryovials, White Boxes, h77mm

Cat. No		Ea.	Price,₩	Cs.	Price, ₩
SL.Box9003	**81-holes Box, White,** h77mm, 81Holes×Φ13mm		4,830	100ea	444,470
SL.Box9004	**100-holes Box, White,** h77mm, 100Holes×Φ12mm		4,830	100ea	444,470

(3) 5 Color Assorted Box-Set, for 0.5~2㎖ Cryovials/Microtubes

* 5 Colors : Blue/Green/Pink/Yellow/White-Assorted
* 5ea/set, 100ea/cs (5ea/set×20)

Cat. No		Set.	Price,₩	Cs.	Price, ₩
SL.Box9005	**81-holes/5color Box set, h52mm,** 81Holes×Φ13mm	5ea	21,570	20set	398,650
SL.Box9006	**100-holes/5color Box set, h52mm,** 100Holes×Φ12mm	5ea	21,570	20set	398,650

Hinged Lid 81- & 100-hole Cardboard Freezer Box, for 0.5~2㎖ Cryovial/Microtube, with Hinged Lid
Ideal for ULT Freezer and LN_2 Freezing, with 6side Alphanumeric ID, 4-color, 81 & 100홀 4색 판지 냉동 박스 세트



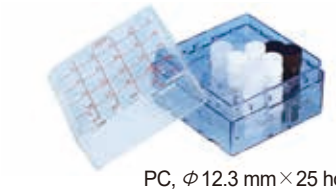
■ ***Supplied by SciLab Korea***
■ ***Available 4 Colors : Blue, Green, Orange, White***
* Alphanumeric Identifications : The Lid, Bottom and Four Sides
* Holds Freestanding or Round Bottom Vials. * Pole Dividers Stable Ultra Low Temperatures
* Water Resistant, Coating allows for improved Durability
* 81-holes Box Dimensions : 133×133×h52mm, 81Holes×Φ13mm
* 100-holes Box Dimensions : 133×133×h52mm, 100Holes×Φ12mm

〈L1〉

Cat. No.	81-holes Color	Ea. Price, ₩
SL.Box9014.B	Blue	2,630
SL.Box9014.G	Green	2,630
SL.Box9014.O	Orange	2,630
SL.Box9014.W	White	2,630

Cat. No.	100-holes Color	Ea. Price, ₩
SL.Box9015.B	Blue	2,630
SL.Box9015.G	Green	2,630
SL.Box9015.O	Orange	2,630
SL.Box9015.W	White	2,630

Articles	Cat. No	Description



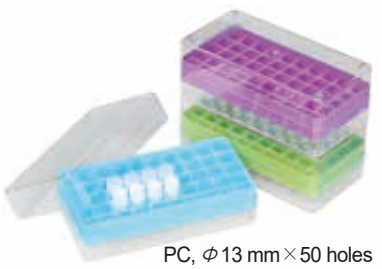
PC, Φ12.3 mm×25 holes

SciLab® PC 25-hole Freezer Box, for 1~2㎖ Cryovials/Tubes
With Lid & 1-25 Numeric-index/Φ12.3mm, Stackable, −130℃+125℃, 25홀 프리저 박스

■ ***Made in Korea*** ■ ***뚜껑에 일련번호가 인쇄되어 샘플 찾기에 용이함***

∗ Made of Polycarbonate(PC), -196℃(in Vapor-phase)+125℃
∗ With Clear Lid and 1~25 Numbered Holes-Φ12.3 mm ∗ Stackable. ∗ Good Finished ∗ Autoclavable. 〈L1〉
∗ Disassembly for Easy Cleaning ∗ for Flat Bottom Cryovials/Tubes

		Ea. Price,₩	Pk.	Price,₩
SL.Rac3026	Freezer Box, PC, Φ12.3 mm×25 holes, 76×76×h54 mm	3,570	5ea	17,280



PC, Φ13 mm×50 holes

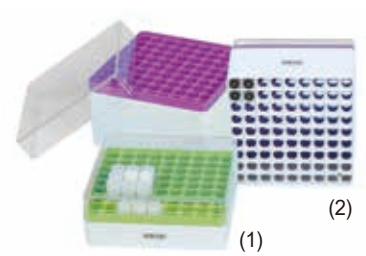
SciLab® PC 50-hole Assembly Freezer Box, Stackable, for 1~2㎖ Cryovials/Tubes
With Lid & 1-50 Numbered-holes/Φ13mm, −130℃+125℃, 50홀 프리저 박스, 조립식



■ ***Made in Korea***

∗ Stackable. ∗ Disassembly for Easy Cleaning
∗ Made of Polycarbonate(PC), -196℃(in Vapor-phase)+125/140℃ ∗ Autoclavable 〈L1〉
∗ With Clear Lid and 1~50 Numbered Holes-Φ13 mm ∗ Good Finished

		Ea. Price,₩	Pk.	Price,₩
SL.Rac3027	Freezer Box, PC, Φ13 mm×50 holes, 145×75×h54 mm, Blue	4,540	5ea	21,000
SL.Rac3028	, Green	4,540	5ea	21,000
SL.Rac3029	, Violet	4,540	5ea	21,000



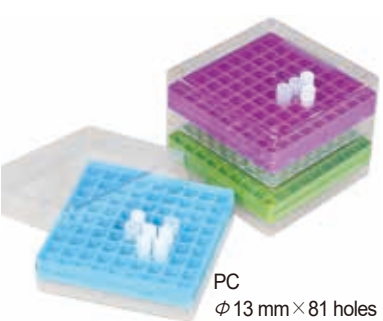
(2)
(1)

CryoTain™ PC 81-hole Cryovial Box, with Bottom Openings, for 1.2/2.0 or 5.0㎖ 2D Barcoded Cryovials
With Transparent Cover, Linear Barcode and Readable Code on the Side, 125/140℃, 2D 바코드 랙

■ ***Made in Korea*** ■ ***랙의 옆면에 1D바코드와 바닥면에 2D바코드가 마킹되어 식별의 자동화 가능***

∗ Made of Polycarbonate(PC), -196℃(in Vapor-phase)+125/140℃
∗ Ideal for 1.2~5.0㎖ 2D Barcoded Cryovials Storage with Vapor phase of Liquid Nitrogen LN_2
∗ This 81 Holes Rack accommodates 1.2&2.0㎖ or 5.0㎖ 2D Barcoded Cryovials and will be allowed Fast, Easy and Accurate Scanning. ∗ Autoclavable. ∗ Stackable. ∗ Good Finished
∗ 81Holes(9×9), (1) 130×130×h52mm(for 1.2/2.0㎖), (2) 130×130×h90mm(for 5.0㎖)
∗ A Linear Barcode and Human readable Code on the Side for fast Scanning and Distinction. 〈L1〉
∗ A Transparent Cover allows the user to see the Contents of the Rack.

		Ea.	Price,₩
SL.Rac3021	(1) Rack for 2D Barcoded Cryovials, 81holes, 1.2/2.0㎖ Vials, Green		58,000
SL.Rac3022	(2) , 5.0㎖ Vials, Violet		65,000



PC
Φ13 mm×81 holes

SciLab® PC 81-hole Assembly Freezer Box, for 1~5㎖ Cryovials/Tubes
With Lid & 1-81 Numbered-holes/Φ13mm, Stackable, −130℃+125℃, 81홀 프리저 박스, 조립식

■ ***Made in Korea*** ∗ With Clear Lid and 1~81 Numbered Holes-Φ13 mm
∗ Made of Polycarbonate(PC), -196℃(in Vapor-phase)+125/140℃ ∗ Autoclavable ∗ Stackable.
∗ Disassembly for Easy Cleaning ∗ Good Finished

〈L1〉

(1) for 1~2㎖ Cryovials/Tubes

		Ea. Price,₩	Pk.	Price,₩
SL.Rac3031	Freezer Box, PC, Φ13 mm×81holes, 130×130×h54 mm, Blue	6,100	5ea	28,200
SL.Rac3032	, Green	6,100	5ea	28,200
SL.Rac3033	, Violet	6,100	5ea	28,200

(2) for 3~4㎖ Cryovials/Tubes

		Ea. Price,₩	Pk.	Price,₩
SL.Rac3121	Freezer Box, PC, Φ13 mm×81holes, 130×130×h83 mm, Blue	8,720	5ea	40,320

(3) for 5㎖ Cryovials/Tubes

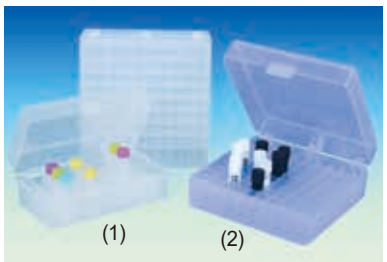
		Ea. Price,₩	Pk.	Price,₩
SL.Rac3125	Freezer Box, PC, Φ13 mm×81holes, 130×130×h96 mm, Blue	8,720	5ea	40,320



Disassembly for Easy Cleaning
쉽게 분해 · 청소 · 조립

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description


(1) (2)

SciLab® 50 & 100-hole Freezer Box, PP, for 1~2㎖ Cryovial/Tube, Autoclavable, 125/140℃
With Hinged Lid · Alpha-Numeric Index · Hole Φ13mm, Stackable, 50 & 100 홀 프리저 박스

■ ***Made in Korea***

* Made of Polypropylene, -196℃(in Vapor-phase) +125/140℃
* With Translucent Hinged Lid with Alpha-numeric Index(100-hole Box)
* Molded Circular Ring on the Base for Keeping Conical Type Microtubes.
* Stackable.
* Good Finished

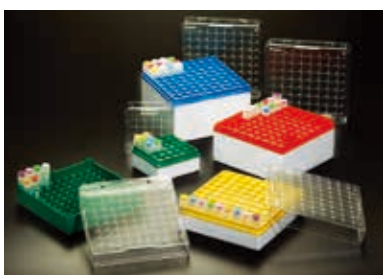
〈L1〉

(1) 50-hole, Φ13mm Freezer Box, 140×72×h54mm

		Ea.	Price, ₩	Pk.	Price, ₩
SL.Rac3041	Freezer Box, PP, 50 hole×Φ13mm, Natural		2,300	50ea	115,000

(2) 100-hole, Φ13mm Freezer Box, 140×140×h54mm

		Ea.	Price, ₩	Pk.	Price, ₩
SL.Rac3042	Freezer Box, PP, 100 hole×Φ13mm, Natural		3,700	30ea	107,680
SL.Rac3043	, Blue		3,700	30ea	107,680


25 & 81-hole, up to Φ11~13mm


with Vial Clip


(2) & (3) Box

Simport® Cryostorage™ PC 25 & 81-hole Freezer Box, for Φ1.2~5㎖ Cryovials/Tubes
With Φ13mm hole · Numeric Indexed Lid · Air Vents · Vial Clip, 135℃, PC 25 & 81홀 Cryo박스

■ ***Made in Canada***

* Made of Polycarbonate PC : Autoclavable, -196℃(in Vapor Phase)+135℃
* with Drain hole/Numeric Index/Air Vents/Writing Surface/Vial Picker.
* Stackable.
* Assembly for Easy Cleaning

〈L1〉

(1) for 1.2/2㎖, 25-hole Rack, 52mm height

		Ea.	Price, ₩	Cs.	Price, ₩
SP.T314.225B	Box, Freezer, L760×w760×h52 mm, Blue		9,030	48ea	410,940
SP.T314.225Y	, Yellow		9,030	48ea	410,940
SP.T314.225R	, Red		9,030	48ea	410,940

(2) for 1.2/2㎖, 81-hole Rack, 52mm height

		Ea.	Price, ₩	Cs.	Price, ₩
SP.T314.281B	Box, Freezer, L130×w130×h52 mm, Blue		15,590	24ea	355,570
SP.T314.281Y	, Yellow		15,590	24ea	355,570
SP.T314.281R	, Red		15,590	24ea	355,570

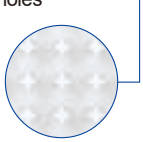
(3) for 3/4㎖, 81-hole Rack, 81mm height

		Ea.	Price, ₩	Cs.	Price, ₩
SP.T314.481B	Box, Freezer, L130×w130×h81 mm, Blue		19,730	12ea	225,290

(4) for 5㎖, 81-hole Rack, 95mm height

		Ea.	Price, ₩	Cs.	Price, ₩
SP.T314.581B	Box, Freezer, L130×w130×h95 mm, Blue		19,840	10ea	188,580


PC, Φ13 mm×100 holes


Post-style Divider

SciLab® 100-hole Freezer Box, PC, for 1~2㎖ Cryovials/Tubes, with Post-style Divider
With Lid & 1-100 Numbered-holes/Φ13mm, Stackable, −130℃+125℃, 100홀 프리저 박스

■ ***Made in Korea***

* Made of Polycarbonate(PC), -196℃(in Vapor-phase)+125℃
* With Clear Lid and 1~100 Numbered Holes-Φ13 mm
* Disassembly for Easy Cleaning
* Stackable.
* Good Finished
* for Flat Bottom Cryovials/Tubes
* Autoclavable.

〈L1〉

(1) Basic-model

		Ea. Price,₩	Pk.	Price,₩
SL.Rac3035	Freezer Box, PC, Φ13 mm×100holes, 132×132×h54 mm, white	6,100	5ea	28,200
SL.Rac3036	, Blue	6,100	5ea	28,200

(2) Extending-model, with Excess Space between Wells

* with Groove for Fixing Freezer Box

		Ea. Price,₩	Pk.	Price,₩
SL.Rac3140	Freezer Box, PC, Φ13 mm×100holes, 134×134×h53 mm, white	6,100	5ea	28,230

Articles	Cat. No	Description



Simport® Cryostore™ 42-hole Freezer Box, for 10㎖ Cryovial, PC, 135℃
With 1~42 Numeric Indexed Clear Lid, <Canada-Made> 42홀 10㎖ 크리오 바이알 냉동박스

∗ PC (Polycarbonate) : -196℃+121℃, Autoclavable
∗ Size : 133×133×h95mm

〈L1〉

		Ea.	Price, ₩	Cs.	Price, ₩
SP.T314.542B	Box, Freezer, 42hole, for 10㎖ Cryovial, Blue		19,850	10ea	188,790
SP.T314.542R	, Red		19,850	10ea	188,790



20-hole Floating Rack, PP, for 1.5㎖ & 2㎖ Micro Centrifuge Tubes, with Detachable Legs
Ideal for Use with Ice Buckets/Pans, Φ98 & h60mm, 플로팅 랙, 아이스 버킷/워터배스용에 적합

∗ -196℃(in Vapor-phase) +125/140℃ Autoclavable ∗ Ideal for use with Ice Buckets・Pans・Water Bath
∗ Attach Legs so Rack Stands Upright on Bench Top Detach Legs so Sample can be quickly out by Pushing down onto any Surface

〈L1〉

		Ea. Price,₩	Cs.	Price,₩
DH.Rac3013	Microtube Rack, PP, for 1.5㎖ & 2㎖ Tube, Φ98×h60mm, 20Hole	12,900	4ea	47,730



SciLab® 35- & 17-hole Floating Rack, PP, for 1.5-/2.0-㎖ & 15㎖ Tubes, Autoclavable
Ideal for Use with Ice Buckets/Pans/Φ13 & 17.5mm Tubes, 플로팅 랙, 아이스 버킷/워터배스용에 적합

■ ***Made in Korea***
∗ -196℃(in Vapor-phase) +125/140℃ Autoclavable ∗ Ideal for use with Ice Buckets/Pans/Water Bath
∗ 2 items : (1) 35-hole Rack for 1.5/2㎖, Φ13mm Tube/Vials (2) 17-hole Rack for 15㎖, Φ17mm Tube/Vials
∗ Good Chemical Resistance ∗ Size : 145×95×h 35mm

〈L1〉

		Ea.	Price, ₩
SL.Rac3011	Rack, Φ13mm×35holes , 145×95×h 35mm, Natural		10,000
SL.Rac3012	, Φ17.5mm×17holes, 145×95×h 35mm, Natural		10,000



Vial Locking ; Unscrewed with One Hand

SciLab® 50-hole Cryovial Workstaion Rack, PP, for 1.2~5㎖ Cryovials, Locking System
With Vial Locking Sys./Alpha-Numeric Index/Handle, 125/140℃, Cryovial 워크스테이션 랙

■ ***Made in Korea*** ∗ Made of Polypropylene, -196℃(in Vapor-phase) +125/140℃
∗ Vial Locking System on the Bottom ensures that Vials will lock in each Well, so Closures could be unscrewed with One Hand easily. ∗ Good Finished ∗ Autoclavable
∗ Size : 196×103×h23mm ∗ 50-hole(Φ13 mm×h21mm)

〈L1〉

		Ea. Price,₩	Pk.	Price,₩
SL.Rac3025	Workstation Rack, 50 Hole for 1.2 to 5.0㎖ Cryogenic Vials, White	7,030	5ea	32,500



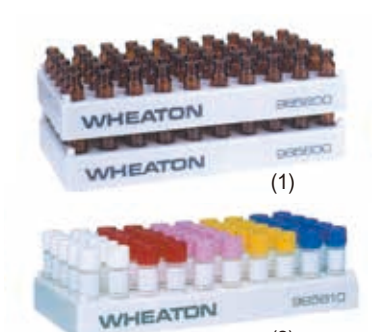
Vial Locking ; Unscrewed with One Hand

Simport® Cryovial™ 50-hole Workstation Rack, PP, for 0.5~5㎖ CryoVials/Microtubes
Ideal for Self-stand Cryovials, Hole Φ13mm, Autoclavable, 125/140℃, <Canada-Made> 50홀 랙

∗ Use : Auto Vials / Cryovials / Micro CentrifugeTube, etc. for Dia.Φ13 mm Vials / Tubes. ∗ Locking System
∗ Made of Polypropylene, -196℃(in Gas Phase) +125/140℃
∗ Identification Holes No : 1~50 ∗ with Rubber Feet

〈L1〉

		Ea. Price,₩	Cs.	Price,₩
SP.T315.2	Rack, Vial, Φ13 mm×50 hole, 20×10×h2.5 cm, Blue	17,690	4ea	67,270
SP.T315.10	, Lilac	17,690	4ea	67,270



Wheaton® 50-hole Cryovial Workstation Rack, PP, 190×100×h22mm, Autoclavable
With 50-hole(5×10)/id Φ12.5mm, Heat Resistant, 50홀 바이알 랙

■ ***Supplied by Wheaton® in USA*** ■ ***우수한 내약품성/내열성을 가진 튼튼한 구조의 중첩 가능한 PP랙***
■ ***Alphanumeric Indexing Indicated On Rack : 5deep×10wide***
∗ Sturdy & Stackable, even when the vials are in place ∗ Each Well : Opening in the Bottom to facilite drainage

〈L1〉

(1) For Standard Flat Bottom Vials, 50-hole

		Ea. Price,₩	Pk.	Price,₩
WH.985800	Vial Rack, PP, 50 hole / id Φ12.5mm, 19×10×h2.2cm	70,200	5ea	324,750

(2) For Free-standing Cryovials, 50-hole

∗ Special Design : The vials Lock in the rack for One-handed Cap Removal

		Ea. Price,₩	Pk.	Price,₩
WH.W985810	Vial Rack, PP, 50 hole / id Φ12.5mm, 19×10×h2.2cm	84,000	5ea	388,720

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description

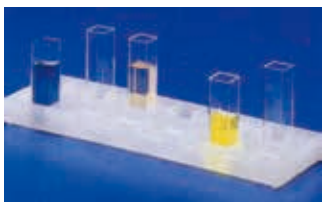


Hellma® CELL Holder, PP, for 16 Cells, −10℃+125/140℃
For Path 10mm Cell, Autoclavable, 16 Holes, **스펙트로-셀 스탠드**

■ ***Supplied by Hellma® in Germany***
∗ Polypropylene(PP) ∗ Size : 210×70×h35mm ∗ for Path 10mm

〈L1〉

		Ea.	Price,₩
HE.3001.10	Cuvette Holder, 16 cells		60,280



Kartell® PE Cuvette Holder, 12 Places, for Path 10mm Cells
<Italy-Made> PE **스펙트로-셀 스탠드**

∗ Holds 12×12mm Cuvettes Vertically in Firm Recesses for Preparation Work
∗ Holds 12×10mm Cuvettes Horizontally for Storage and Protection.
∗ In Storage Mode the Rack are Stackable ∗ Made of Polyethylene

〈L1〉

		Ea. Price, ₩	Pk.	Price, ₩
KA.260	Cuvettes Holder, 12 Hole, 50×170×h15mm	5,130	5ea	24,820



Hellma® Cell Cleaning Holder, for Glass & Quartz 10mm Cells, Ultra Sound Cleaning
For 4 Cells with 10mm Light Path, **유리 & 석영셀 홀더, 세척용 셀홀더**

■ ***Supplied by Hellma® in Germany*** ■ ***Cell을 초음파 세척시 사용하는 홀더***
■ ***Plastic Cell Holder for 4 cells with 10mm light path for Ultra Sound Cleaning Purposes.***

〈L1〉

		Ea.	Price, ₩
HE.325.000	**Plastic Cell Holder** : 4 Holes for 10mm Cells		265,100

, Cylinders 실린더 랙



SciLab® 50~500㎖ Cylinder Drying Rack, 35-Holes, 235×345×h330mm
For Drying Cylinders, Stainless-steel Wire, **다용도 스텐 메스실린더 건조대**

■ ***Made in Korea***
■ ***Made of Stainless-steel Wire***
■ ***with a Drainspout of Stainless-steel Pan / Base***
∗ Holding Capa. : (1) Φ26mm Hole×4ea for 50㎖ (2) Φ31mm Hole×16ea for 100㎖
(3) Φ47mm Hole×13ea for 250㎖ (4) Φ60mm Hole×2ea for 500㎖

〈L1〉

		Ea.	Price, ₩
SL.Rac7017	Drying Rack, for 50~500㎖ Cylinders, SS, 35-Holes, 235×345×h330mm		87,800



SciLab® Stainless-steel Wire Imhoff Cone Rack-Stand, for 1000㎖ Imhoff Cone
With 3- & 4-Places, Φ4.9mm, Rustless, **임호프 콘랙**

■ ***Made in Korea***
■ ***Made of Heavy Gauge SS-wire : Long-Life***
∗ Supplied without Imhoff Cones

〈L1〉

(1) 3-Place Rack Only

		Ea.	Price,₩
SL.Rac7091	Imhoff Cone Rack, Stainless-steel, 3-holes, 460×160×h420mm		63,420

(2) 4-Place Rack Only

		Ea.	Price,₩
SL.Rac7092	Imhoff Cone Rack, Stainless-steel, 4-holes, 600×160×h420mm		79,570

Articles	Cat. No	Description



Azlon® Petri Dish Stand, Epoxy Coated Steel, Up to 6×Φ90mm Dishes
Ideal for Small Batch Incubation, Heat-/Chemical-resistance, <France-Made> 패트리디쉬 스탠드

* Manufactured from Polyamide Epoxy Coated Steel
* Ideal for Small Batch Incubation
* Offers a Better Heat and Chemical Resistance than Other Coatings
* Hold up to Six Φ90mm Petri Dishes

〈L1〉

		Ea.	Price, ₩
Az.SWP062	Petri Dish Stand, PA, for 6Ea of Φ90mm		39,990



SciLab® Stainless-steel Wire Rack, for Φ90mm Petri Dish
For 4 Dishes×3 places (Total 12 Dishes), Stainless-steel 304, 스텐 디쉬 랙

■ ***Made in Korea***
* Stainless-steel Wire, Good Finished for Safety Working.
* Each Tray Hold up to 6Ea of Φ90×15mm or 4Ea of Φ90×20mm Dish
* Use in Incubator or Refrigerator for Storage

〈L1〉

		Ea.	Price, ₩
SL.Ra7010	"SDR-3", Rack, 3 Sectional, 315×110×h110mm		55,570



SciLab® Petri Dish Carrier, Φ10 cm×3 places
For 30 Dishes, Stainless-steel Wire, 페트리 디쉬 운반대

■ ***Made in Korea*** ■ ***Φ100mm 이하의 Dish를 30개까지 수용함***
* Stainless-steel Wire, Good Finished for Safety Working.
* Each Tray Hold up to 10Ea of Φ10 cm Dish
* Size : 345×115×h370 mm(Excluded Handle h290mm)

〈L1〉

		Ea.	Price, ₩
SL.Rac7030	Rack, Dish, 3×10 dish (to Φ10 cm), 345×115×h370mm		31,670



Stainless-steel Sterilizer Can/Box, for Petri Dish, Φ105 & 130×h250mm
With Stainless-steel Cover and Removable Rack, 페트리디쉬 멸균통

■ ***Supplied by SciLab Korea***
* Good Finished for Smooth Working
* Including Stainless-steel Cover and Removable Rack
* Protects Petri Dishes During and After Heat Sterilization
* Removable Rack is made of Iron Sheet with Chromed

〈L1〉

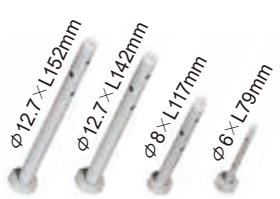
		Ea.	Price, ₩
SL.Ra7101	Sterilizer Can, for Petridish, Stainless-steel, Φ105×h250mm		27,490
SL.Ra7102	, Φ130×h250mm		27,490

, *Drying* 건조대

DAIHAN® 39 places Labware Drying Rack "DRYL-39", with Heating Blower & Air Filter, 230V, 1.5kW, Max 50℃ & 75℃
Ideal for Glassware · Plasticware · Small Articles, Timer Set 1~120min, Continuous 8 hours, 실험기구 건열풍 건조기



2-Year Warranty



Assorted Drying Pegs (Included)

■ ***Supplied by DAIHAN Korea*** ■ ***PL(Product Liability) Insurance***
■ ***with Rating 1 MERV Fabric Pre-Filter : 3~10㎛ less than 20%***
* 1 Pre-Filter Installed, 2 spare Pre-Filters Included
* Made of Galvanized Steel with Powder Coating ; All Body
* a Peg has Several Blown Air Holes.
* High Efficiency & Long Life!
* Free-Standing ; Space Saving Design.
* Blown-over Tray on the Underside of Dryer.

Specifications & Ordering Information
〈L1〉

Spec. \ Model	"DRYL-39"
Operation mode & Filtered Heating Air Temp	Glass Mode : for Glassware Drying, max. 75℃±5℃ Plastic Mode : for Plasticware Drying, max. 50℃±5℃ Ambient mode : Ambient Temp
Timer	Countdown Timer Interval Setting : 1~120min Continuous Run
39 Drying Pegs	① 7 Pegs - Φ12.7×L152mm ② 6 Pegs - Φ12.7×L142mm ③ 13 Pegs - Φ8×L117mm ④ 13 Pegs - Φ6×L79mm Stainless-steel
Safety	Over Heat Protection
Ambient Temp & Humidity	5℃~45℃, up to 90% RH
Dimension & Weight	550×350×h515mm, 17kg
Heater power	1,500W
Power Consumption	Max. 1,600W
Electric Reqts	230V, 60Hz
Cat. No.	**DH.Dry8013**
Price, Each. ₩	1,852,000

※ 운임 별도

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



(1) 35-Peg, SS, Single type



(3) 70-Peg, SS, Double type

SciLab® Safety PVC Coated Steel Drying Rack, Bench-Top
With 35 · 48 · 70-Peg, Single & Double-type, with Drain Tray, **스텐 건조대**

■ ***Supplied by SciLab Korea*** ∗ Material : PVC Coated Steel ∗ Prevent Chips and Breakage
∗ Allows Draing and Drying of Labware(Beaker, Bottle, Cylinder, Flask, Funnel, Test tube, Vessel, etc.)
∗ Drain Tray for Easy Emptying ∗ Drip Tray Device Includes

〈L1〉

(1) 35-Pegs Single Side-type, with Drain Tray, Made in Korea

		Ea.	Price, ₩
SL.Rac7011	Drying Rack, SS, 35-Peg (Large&Small), 43×20×h50cm		93,730

(2) 48-Pegs Single Side-type, without Drain Tray

		Ea.	Price, ₩
SL.Rac7013	Drying Rack, SS, 48-Peg, 35×15×h52cm		73,520

(3) 70-Pegs Double Side-type, with Drain Tray, Made in Korea

		Ea.	Price, ₩
SL.Rac7012	Drying Rack, SS, 70-Peg (Large&Small), 43×26×h50cm		128,850



SciLab® Wall-mounting PVC & Stainless-steel Drying Rack, Adjustable 24-Place
With 24 Removable Pegs, 60×h90cm, **벽걸이형 초자건조대**

■ ***Made in Korea*** ■ ***Peg의 간격 및 수량 조절 가능***
∗ Body Material is PVC(Formax) & Pack Attached to the Part Material is Stainless-steel(SS)
∗ 24-Pegs Can be Moved and Repositioned Easily to Hold Variety of Labware
∗ Allows Draing and Drying of Labware(Beaker, Bottle, Cylinder, Flask, Funnel, Test tube, Vessel, etc.)
∗ Plastic(PP) 24-Pegs : Φ10/20×190mm

〈L1〉

		Ea.	Price, ₩
SL.Rac7014	Drying Rack, Wall-mounting, PVC & Stainless-steel, 24-Places, 60×h90cm		193,200

Spare Pegs, PP

		Pk.	Price, ₩
SL.Rac7015	Pegs, for Drying Rack/Cart, PP, Φ10/20×190mm, 24ea/pk.	24ea	57,970



Kartell® HIPS Wall-mounting Plastic Dry Rack, with 72 Removable Pegs
Made of High Impact Polystyrene(HIPS), Complete Kit, <Italy-Made> **벽걸이 플라스틱 건조대**

■ ***High Quality Functional Model***
■ ***Complete Kit : Mounting Kit, Draining Hose, Fixing Template, and 72 Pegs***
∗ 72-pegs Replacement Assembly-type, Peg Size Φ15×h95 mm
∗ The peg sockets have closed ends eliminating leakage and consequent biohazards.
∗ The seamless drip channel collects waste which drains via drain tube provided.

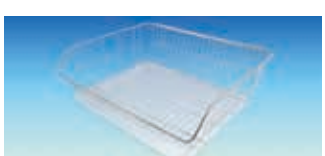


〈L1〉

		Ea.	Price, ₩
KA.213	**"Deluxe" Wall-mounting Dry Rack, Kit,** w45×h65cm, Thick-11cm		208,830

Optional Small Peg, for Small Dia-Items (ex. Test Tubes)

		Pk.	Price, ₩
KA.1213	**Small Pegs**, for Small dia-items, Φ6×h95 mm, 11ea/pk.	11ea	23,520



Stainless-steel Drying Rack, with PP movable Bottom Tray, 43×36×h18cm
다용도 스텐건조랙, 하부에 물받이 PP트레이(탈·부착형)

■ ***Made in Korea*** ∗ Suitable for Apparatus Drying and Transfer
∗ Convenient Sliding PP Movable Bottom tray

〈B3〉

		Ea.	Price, ₩
H16.061	Drying Rack, Stainless-steel, 43×36×h18cm		27,870

Articles	Cat. No	Description



SciLab® Glove Pack Holder, Epoxy Coated Steel
For Glove Packages, 3-placed, 250×108×h454mm, **글러브 팩 홀더**

■ ***Made in Korea***
∗ Ideal for Glove Pack Storage.
∗ Epoxy Coated Steel Wire Rack
∗ Very Convenience : Holds 3 Glove Packages

〈L1〉

Cat. No		Ea. Price, ₩
SL.Sta7030	Rack, Glove Pack Holder, 250×108×h454mm, Green	37,240

, Pipets 피펫 랙



73-holes Assembly Deluxe Rotary Pipet Rack, PP, Autoclavable, Easy Cleaning
With 2-Layer Rotary Plate, 125/140℃, <Korea-Made> PP **조립식 대용량 피펫 랙,** 73-**홀, 회전형**

■ ***Made of Polyprophylene(PP), -10℃+125/140℃, Autoclavable***
∗ This Accommodates 28 Pipettes with Diameters not Exceeding 11mm, Plus 45 Pipettes with Diameters not Exceeding 14mm.
∗ Dimension : Φ230 mm×h450 mm, 300g ∗ Upper / Lower Integral Prevents Damage to the Rotary Type of Pipet
∗ 73 Holes-size(4-Lines) : Φ11 mm×28Holes(1Line×11Holes, 2Line×17Holes)
Φ14 mm×45Holes(3Line×21Holes, 4Line×24Holes)
∗ Pipet Stand Main Support & Drain Receiving Level of the External Leak off Through the Pipet

〈L1〉

Cat. No		Set. Price, ₩
SL.Sta3010	Pipet Rack, PP, 73-Places, Φ230×h450mm, Blue	7,650
SL.Sta3012	, Gray	7,650



7~14 Places Assembly Multi-function Pipet Rack-Stand, Acryl
With 7-horizontal and 7-vertical Places, **다기능 조립식 아크릴 피펫 랙-스탠드**

■ ***Supplied by SciLab Korea*** ■ ***Compact Multi-Function / Transparent***
■ ***Two-way Holding System : Can Hold 7 Pipets Vertically and Horizontally at the same time***
∗ For Measuring & Volumetric Pipets
∗ Stable Triangle Stand-type, Space Saving

〈L1〉

Cat. No		Ea. Price, ₩
SL.Ra0201	Pipet Rack, Two-way, Φ14mm×7 hole, 105×207×h224mm	17,500



12 places Assembly Horizontal Pipet Rack, PP, Dual Side (2×6 places), Very Stable
With 3 metal rods coated with PP, −10℃+125/140℃, PP **조립식 피펫 랙**

■ ***Supplied by SciLab Korea*** ■ ***Detachable, White Molded in Polypropylene***
∗ Autoclavable Rack with 2 Sides which are attached to each other with 3 metal rods coated with PP
∗ Holding 12 Pipets of Length 200mm Over ∗ Dimension : 210×145×h210 mm

〈L1〉

Cat. No		Ea. Price,₩	Pk.	Price, ₩
SL.Rac3096	Pipet Rack, PP, 12 places	8,350	6ea	48,390



SciLab® 24 Places Pipet Rack, Stainless-steel, 190×85×h250mm
Ideal for Measuring & Volumetric Pipets, Finished Surface, <Korea-Made> **스테인레스 피펫 스탠드**

∗ Accommodates 8 pipettes with diameters not exceeding 17mm, 8 pipettes with diameters not exceeding 14mm, and 8 pipettes with diameters not exceeding 11mm
∗ Ideal for Measuring & Volumetric Pipets ∗ Strong Long-life Stainless-steel(SS)
∗ Bottom attached Non-woven fabric for Anti-breakage. ∗ 24-Hole : 17-·14-·11-mm×8 Holes

〈L1〉

Cat. No		Ea. Price, ₩
SL.Sta7051	Pipet Rack, Stainless-steel, 24 Places	26,600



Kartell® Deep Tray, PVC, for Pipets or Tubes, 7- or 16-Places, <Italy-Made> **피펫 트레이/랙**

■ ***Made of PVC(Polyvinyl Chloride), -20℃+80℃***
∗ Horizontal Holder for Using Pipets or Tubes, Suitable for Drying Pipet Top of Tray is Width / Length Grooves
∗ Capacity : 7 Pipets/Tubes up to Φ20 mm
16 Pipets/Tubes up to Φ10 mm

〈L1〉

Cat. No		Ea. Price,₩	Pk.	Price, ₩
KA.996	Tray with Grooves, PVC, 216×283×h40 mm	31,730	6ea	184,570

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



PP, Microtube Rack, 32-Hole

SciLab® PP 32-Hole Microtube Rack, for 1.5/2.0㎖ Tubes, Φ11mm
With 2 Tiers & Conical Bottom/Base, 125/140℃, 32홀 마이크로 튜브 랙

* Made of Polypropylene, -196℃(in Vapor-phase LN_2) +125/140℃
* Good Finished ; for Smooth Working
* Assembly-type
* Autoclavable
* Ideal for 1.5/2.0㎖ Microtube and Cryovial
* for Conical Tubes
* Using a Support that can be Stacked in a 2-stage, 3-stage
* Hole-size : Φ11 mm×32-Hole

〈L1〉

		Ea. Price,₩	Pk.	Price,₩
SL.Rac3051	Microtube Rack, PP, Φ11 mm×32-Hole, 158×105×h30 mm	4,800	10ea	46,570



PP, Micro Centrifuge Tube Rack, 20-Hole

PP 20-hole Micro Centrifuge Tube Rack, for 1.5/2㎖ Tubes Type, 215×70×h40mm
With Numbered Holes and Rubber Foot, Autoclavable, White Color, 125/140℃, 계단식 20-Hole 랙

■ ***Supplied by DAIHAN Korea***

* with Rubber Support at the Bottom for Stability
* Each Hole has Moulded in Numbers for Easy Identification
* Several Racks Can Lock Together for Larger Experiments.
* Made of Polypropylene(PP), Autoclavable
* Easy Removal and Insertion of Tubes
* Autocavable at 121℃

〈L1〉

		Ea. Price,₩	Cs.	Price,₩
DH.Rac3001	Microtube Rack, PP, 20-Hole, 215×70×h40mm	9,620	8ea	71,120



(1) 20-hole



(2) Stackable 100-hole

Kartell® PP 20 & 100-hole Microtube Rack, for 0.5~1.5/2㎖ Tubes, Autoclavable
With Numbered (20-holes) & Alpha-Numeric (100-holes), −10℃+125/140℃, 20 &100 홀 조립형 랙

■ ***Supplied by Kartell® in Italy(KA.~)&SciLab Korea(SL.~)***

* 20 Hole Rack with 20 Hole Number : No.296
  Racks have location on the base to enable attachment in rows or back to back to each other
* 100 Hole Rack : No. 563-series. Stackable
  1) 2-tier, Can be Attached Label on Side.
  2) Can be used in Freezers and Water Bath





〈L1〉

(1) 20×Holes Rack

		Ea. Price,₩	Pk.	Price,₩
KA.296	Rack, Φ11mm×20-Hole, 210×90×h49mm, White	20,520	2ea	39,770
KA.295	Clip, for Link Rack(No.296) back to back or in rows.		6ea	14,080

(2) 100×Holes Rack, Assembly, Stackable

		Ea. Price,₩	Cs.	Price,₩
KA.563.03	Rack, Φ11mm×100-Hole, 263×110×h45mm, White	18,500	20ea	358,800
KA.563.04	, Blue	18,500	20ea	358,800
SL.Rac3189	, Φ12mm×100-Hole, 260×185×h45mm, Red	10,450	2ea	20,230



PC Assembly 24 & 48-hole Microtube Rack, with Handle, Stackable, for 1.5/2㎖ Tubes
With Alpha-Numeric Index, −100℃+135/140℃, 24/48홀 PC 조립식 마이크로 튜브 랙

■ ***Supplied by DAIHAN Korea***

* Made of Polycarbonate(PC)
* 24-Hole : 6×4 Array, 48-Hole : 12×4 Array
* Alpha-Numeric Index for Easy Identification
* Stackable when empty or full

〈L1〉

		Ea. Price,₩	Cs.	Price,₩
DH.Rac3003	Micro Tube Rack, PC, Yellow, 24-Hole, 164×100×h59mm	10,320	8ea	76,200
DH.Rac3004	, 48-Hole, 293×100×h59mm	16,470	8ea	121,670



PP, Φ11 mm×80-hole

SciLab® PP 80-hole 1.5/2㎖ Microtube Rack, with Marking Area
With 1-80 Numbered Holes/Φ11mm, 125/140℃, 80홀 튜브 랙

■ ***Made in Korea***

* Made of Polypropylene, -196℃(in Vapor-phase) +125/140℃
* Ideal for 1.5~2㎖ Microtube Storage
* With 1~80 Numbered Holes-Φ11 mm
* For Conical & Flat Bottom 1.5㎖/2㎖ Tubes
* 80-Hole(5×16), Hole : Φ11 mm×deep.25 mm
* Given the Marking Area on the Side can be a Labeling.
* Autoclavable.
* Good Chemical Resistance.
* Good Finished

〈L1〉

		Ea. Price,₩	Pk.	Price,₩
SL.Rac3053	Microtube Rack, PP, Φ11mm×80 Hole, 210×65×h28mm, Blue	2,430	24ea	51,230
SL.Rac3054	, Green	2,430	24ea	51,230
SL.Rac3055	, Violet	2,430	24ea	51,230

Articles	Cat. No	Description



PP, Reversible, 60 & 80 hole

SciLab® PP 60 & 80-hole Microtube Reversible Rack, for 0.5 & 1.5/2㎖ Microtube

With Hole dia Φ7 & Φ11mm, 125/140℃, 60/80 홀 양면 랙, 상/하 양면용

■ ***Made in Korea***

* Made of Polypropylene, -196℃(in Vapor-phase)+125/140℃
* Good Finished : for Smooth Working * for Conical & Flat Bottom Tubes
* For Both sides : One side : For 0.5㎖ tubes, 60-holes (Φ7mm hole, 4×15)
  Other side : For 1.5/2㎖ tubes, 80-holes (Φ11mm hole, 5×16)
* 2×Side(Reversible) PP Rack, 140 holes(60 & 80), Autoclavable

〈L1〉

		Ea. Price,₩	Pk.	Price,₩
SL.Rac3057	Reversible Rack, 60/80 holes, 210×65×h28mm, Blue	4,500	24ea	108,000
SL.Rac3058	, Green	4,500	24ea	108,000
SL.Rac3059	, Violet	4,500	24ea	108,000



PP 2 Side×96-hole Reversible Rack

Wisd™ PP 2 Side×96-hole 0.5 & 1.5㎖ Microtube Reversible Rack

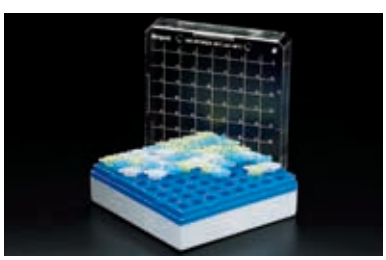
With Alpha-Numeric Index, Hole Φ8 & 11.5mm, Autoclavable, 96홀 양면 랙, 상/하 양면용

■ ***Supplied by DAIHAN Korea***

* Made of PP(Polypropylene), -196℃(in Vapor-phase)+125/140℃, Autoclavable
* 2×Side(Reversible) PP Storage Rack, 192 holes(2×96) * Can be used in Water Bath
* For Both Sides : One Side : For 0.5㎖ Tubes, 96 holes (Φ8mm hole, 8×12)
  Other Side : For 1.5㎖ Tubes, 96 holes (Φ11.5mm hole, 8×12)
* Good for Chemical Resistance

〈L1〉

		Ea.	Price, ₩	Cs.	Price, ₩
DH.Rac3711	Reversible Rack, PP, 2×96 hole, 198×113×h26mm		6,520	100ea	603,710



Simport® 64-hole Microcentrifuge Tube Storage Box, HIPS, for Φ13mm Tubes(0.5~2㎖)

With Numbered on Lid, Stackable, −90℃+80℃, <Canada-Made> 마이크로 원심관 박스

■ ***Made of HIPS(high impact polystyrene)***
■ ***holding up to 64 tubes from 0.5㎖ to 2㎖***
* Cover surface can write with a marker pen
* Poly Urethane Foam Insert
* Transparent Cover allows you to see the contents of the box
* Keyed to the base in order to prevent misalignment
* with Writing-area at the Top of the Tube Wall Side and Cap.

〈L1〉

		Ea. Price,₩	Pk.	Price,₩
SP.T330.64	Microcentrifuge Tube Rack, 0.5~2㎖/Hold 64 tubes	17,780	4ea	71,050



PP, Reversible, 2×96 Hole, with Lid

SciLab® PP 2 Side×96-hole 0.5 & 1.5/2㎖ Microtube Reversible Storage Box

Alpha-Numeric Index, Translucent PC Lid, Hole Φ8 & 11.4mm, 2×96 홀 양면 저장 박스, 상/하 양면용

■ ***Made in Korea***

* Made of Polypropylene, -196℃(in Vapor-phase)+125/140℃ * Good Finished * Autoclavable
* 2×Side(Reversible) PP Storage Box, 192 Hole(2×96)
* For Both sides : One side : For 0.5㎖ Tubes, 96 Hole (Φ8mm hole, 8×12)
  Other side : For 1.5/2㎖ Tubes, 96 Hole (Φ11.4mm hole, 8×12)
* With Translucent PC Lid, Cover Size : 204×115×h29mm

〈L1〉

		Ea. Price,₩	Pk.	Price,₩
SL.Rac3061	Storage Box, Reversible, 2×96 Hole, 200×112×h50mm, Blue	7,930	24ea	167,630
SL.Rac3062	, Green	7,930	24ea	167,630
SL.Rac3063	, Violet	7,930	24ea	167,630



Wisd™ 72-hole 0.5 & 1.5㎖ Microtube Rack Box, PP, Stackable

With Translucent Lid & Alpha-numeric Index, 마이크로 튜브 랙

■ ***Supplied by DAIHAN Korea***

* Made of PP(Polypropylene), -196℃(in Vapor-phase) +125/140℃, Autoclavable
* with Alpha-numeric Index

〈L1〉

		Ea. Price,₩	Cs.	Price,₩
DH.Rac3701	(1) Rack, PP, 180×98×h54mm, 72 hole×Φ8mm , for 0.5㎖ Tube	2,680	84ea	208,450
DH.Rac3702	(2) , 72 hole×Φ11.5mm, for 1.5㎖ Tube	2,680	84ea	208,450



Wisd™ 100-hole 1.5㎖ Microtube Rack Box, PP

With Translucent Lid, 마이크로 튜브 랙

■ ***Supplied by DAIHAN Korea***

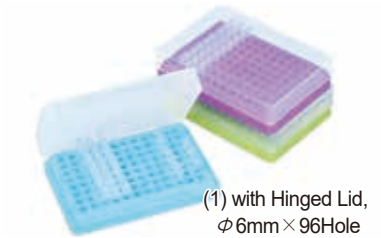
* Made of PP(Polypropylene), -196℃(in Vapor-phase) +125/140℃, Autoclavable
* without Alpha-numeric Index

〈L1〉

		Ea. Price,₩	Cs.	Price,₩
DH.Rac3703	Rack, PP, 150×150×h54mm, 100 hole×Φ11.5mm, for 1.5㎖ Tube	5,320	84ea	413,780

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



(1) with Hinged Lid,
Φ6mm×96Hole

SciLab® 96-Well PCR Tube Rack Box, PP, with Hinged Lid or Separable Lid
With Alpha-Numeric Index, Hole Φ6mm, Stackable, 125/140℃, 0.2㎖ PCR 튜브 랙, 96-Well/홀

■ Made in Korea ***■ 뚜껑이 있어 샘플이 안전하게 보관되며 알파벳 및 숫자 인덱스가 표시되어 샘플의 구별이 편리함***

∗ Made of Polypropylene, -196℃(in Vapor-phase) +125/140℃
∗ Ideal for 0.2㎖ PCR Tube Storage ∗ Autoclavable. ∗ With Translucent Hinged Lid with Alpha-numeric Index
∗ Good Chemical Resistance. ∗ Good Finished∗ For Conical Bottom 0.2㎖ PCR Tubes
∗ Stackable - (2) Separable Lid Type ∗ 96-Well(8×12 holes), Hole : Φ6 mm top, Φ3.5 mm bottom

〈L1〉

(1) with Hinged Lid, 0.2㎖ PCR Tube Racks

		Ea. Price,₩	Pk.	Price,₩
SL.Rac3071	PCR Tube Rack, PP, Φ6 mm×96 holes, 126×88×h25mm, Blue	5,000	24ea	116,400
SL.Rac3072	, Green	5,000	24ea	116,400
SL.Rac3073	, Violet	5,000	24ea	116,400



(2) with Separable Lid,
Φ6mm×96Hole

(2) with Separable Lid, 0.2㎖ PCR Tube Racks

		Ea. Price,₩	Pk.	Price,₩
SL.Rac3075	PCR Tube Rack, PP, Φ6 mm×96 holes, 129×88×h30mm, Blue	5,000	24ea	116,400
SL.Rac3076	, Green	5,000	24ea	116,400
SL.Rac3077	, Violet	5,000	24ea	116,400



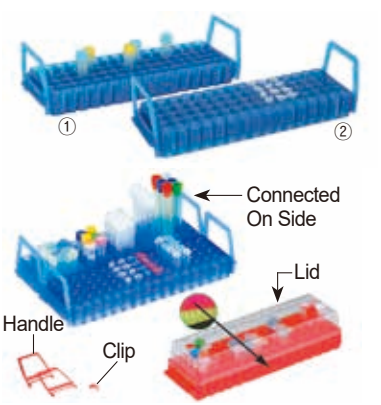
96-Well PCR Tube & Plate-Rack/Box, PP, with Separable Clear Lid & Alpha-Numeric Index
With 12×8 Wells, Stackable, Autoclavable, 125/140℃ Stable, PCR-튜브 &-플레이트 박스, 96웰

■ Supplied by DAIHAN Korea ***■ 모서리에 모두 다리가 있어 안정적으로 표면을 잡을 수 있음***

∗ Made of Polypropylene(PP), -196℃(in Vapor-phase) +125/140℃, Autoclavable ∗ Good Chemical Resistance.
∗ 96-Well (12×8 holes) : Suitable for Un-skirted, Semi-skirted, Skirted 96-Well PCR Plate and Strip PCR Tube
∗ with Translucent Separable Lid with Alpha-numeric Index ∗ Good Finished ∗ Stackable
∗ Case ; 5 Color Randomly-Blue/Green/Red/White/Yellow ∗ Ea ; Random Color

〈L1〉

		Ea. Price,₩	Cs.	Price,₩
DH.Rac3040	PCR Tube Rack, PP, 96-Well, Random Color/Ea, 138×98×h39mm	11,290	5ea	52,190



Simport® UniRack™ 60-/80-hole Micro & PCR Tube Combi-Rack, PP, Stackable, Reversible-type
Ideal for Cryovial · Microtube · PCR Tube, Hole Φ7 &12mm, −10℃+125/140℃, 만능형 양면랙

■ Supplied by Simport® in Canada
■ Reversible-type ; ① 80-hole for Hole, for up to Φ7mm 0.2/0.5㎖ PCR & MicroTube,
② 60-hole for up to Φ12mm All Tubes including Microtubes.
■ Able to Connect on Side : including Ring to Connect.

∗ With Detachable Handle / Stackable ∗ -10℃+140℃ Heat-resistance / Autoclavable
∗ Optional Transparent Lid can be Purchased Separately.
∗ The UniRack can also be Placed at an Angle for Easier Handling of Tubes

〈L1〉

		Ea. Price,₩	Cs.	Price,₩
SP.S500.80B	**Rack**, PP, 60-/80-hole, 210×65×h222 mm, Blue	6,890	10ea	65,340
SP.S501.80	**Lid** only, Transparent	5,470	10ea	51,700



CUBE 77 Multi-hole Rotor Combi Workstation, PP, Stackable, for PCR · Micro · Centri Tubes
Moulded Alpha-Numeric Index, Autoclavable, 125/140℃ Stable, 큐브타입 회전형 워크스테이션 랙

■ Supplied by DAIHAN Korea ***■ 회전이 가능함*** ***■ 랙을 추가하거나 뺄 수 있음***

∗ Made of Polypropylene(PP), -196℃(in Vapor-phase) +125/140℃, Autoclavable
∗ Unique Rotate and Lock Design allow Add or Subtract Rack according to your Needs.
∗ Case ; 4 Color - Blue / Green / Red / Yellow Assorted. ∗ Ea ; Random Color.
∗ Side 1 : 48-Hole for PCR Tube Side 2 : 9-Hole for 1.5/2㎖ Micro Tube and 6-Holes for 0.5㎖ PCR Tube
Side 3 : 8-Hole for 15㎖ Centrifuge Tube Side 4 : 2-Hole for 50㎖ Centrifuge Tube

〈L1〉

		Ea. Price,₩	Cs.	Price,₩
DH.Rac3021	Rack, Cube-type, PP, Random Color, 108×68×h108mm	14,090	4ea	52,100



80-hole Multi Combi-Rack, PP, for PCR · 1.5 & 2㎖(Micro) · 15 & 50㎖ (Centrifuge) Tubes
With Moulded Alpha-Numeric Index, 4 Color assorted, Autoclavable, 125/140℃ Stable, 연결가능형 랙

■ Supplied by DAIHAN Korea ***■ 랙을 추가하거나 뺄 수 있음*** ***■ 가로로 연결 가능***

∗ Made of Polypropylene(PP), -196℃(in Vapor-phase) +125/140℃, Autoclavable
∗ Unique Rotate and Lock Design allow Add or Subtract Rack according to your Needs.
∗ Case ; 4 Color - Blue / Green / Red / Yellow Assorted. ∗ Ea ; Random Color.
∗ Side 1 : 32-Hole for PCR Tube
Side 2 : 32-Hole for 1.5/2㎖ Micro Tube
Side 3 : 12-Hole for 15㎖ Centrifuge Tube
Side 4 : 4-Hole for 50㎖ Centrifuge Tube



〈L1〉

		Ea. Price,₩	Cs.	Price, ₩
DH.Rac3023	Rack, Multi Combination, PP, Random Color 175×90×h65mm	14,140	4ea	52,320

Articles	Cat. No	Description



Simport® 25-hole 5㎖ Conical Tube Rack, PP, Autoclavable and Freezable, Blue
With 1-25 Numeric-index, <Canada-Made> 25홀 튜브랙, 5㎖ 코니컬 튜브용

■ ***식별 가능하도록 표면에 숫자 정렬***

* Made of Polypropylene (PP)
* Dimension - 146.8×113.8×h38mm
* Freezable (up to -90℃), Autoclavable
* Perfect to Replace Styrofoam Racks
* Numbered Wells for Easy Identification

〈L1〉

		Ea.	Price,₩	Cs.	Price, ₩
SP.T450.25B	Tube Rack, PP, Φ17mm×25 holes, Blue		15,640	5ea	74,430



Simport® 25-hole 5㎖ Tube Storage Box, PS & HIPS, Stackable
Lid with 1-25 Numeric-index and Writing Surface, −90℃+80℃, <Canada-Made> 25홀 5㎖ 튜브 보관박스

■ ***5㎖ 튜브 보관 박스, 내부 식별 가능한 투명 덮개***

■ ***Lid made of Polystyrene(PS), Base made of High Impact Polystyrene(HIPS)***

* Printed with a Series of Squares Numbered from 1 to 25 for Easy Sample Identification
* Writing Surface for Identifying Base and/or Cover
* Air Vents Minimizing Condensation
* Easy to See the Inside with Transparent Cover
* Drain Holes under Base
* Dimension - 133.4×133.4×h67.3mm
* Two Corners of the Cover and Base are Cut to Prevent Misalignment

〈L1〉

		Pk.	Price,₩	Cs.	Price, ₩
SP.T330.25B	Storage Box, PS & HIPS, Φ16.2mm×25 holes, Blue	3ea	45,290	6pk	258,770



SciLab® 1×50㎖ Conical Tube Grip Holder, PS, for Φ27.5~29mm Tubes
For 50㎖ Tube 1-Hole, Grip-Style, −10℃+70/80℃, 50㎖ 튜브 랙/홀더

■ ***Made in Korea*** ■ ***50㎖ Tube를 단독으로 세울 수 있음***

* Made of Polystyrene, -10℃+70/80℃
* Good Finished ; for Smooth Working
* Leave Both Hands free for Manipulation of 50㎖ Sample Tubes
* Grip-Style
* Freeing Hands for Tasks such as Pipetting and Adjustment of Instrumentation

〈L1〉

		Pk.	Price, ₩
SL.Rac3085	Holder, PS, for 50㎖ Tube, 1Hole, id.Φ30×od.Φ92×h27mm	2ea	12,600



Biofil® 7-hole 1.5 · 2.0 · 15 · 50㎖ Tube Rack, PP, for Conical Centrifuge Tube, Reusable
With Sterile or Non-sterile, Autoclavable, Individually Package, 125/140℃, 7홀 원심관 랙

■ ***Manufactured in Class 100,000 Cleanroom with Materials Conforming to USP CLASS VI Standards under the Quality Control of ISO 13485 & 9001 and CE.***

■ ***Batch Certifications : Lot No. is Printed on Every Case (or Pack) for Quality Traceability.***

■ ***3-Hole×Φ11mm for 1.5 / 2㎖ Tube, 3-Hole×Φ17mm for 15㎖ Tube, 1-Hole×Φ29mm for 50㎖ Tube***

* It can be used as Tube Vacuum Filter System with a combination of Φ29mm Tube, Vacuum Filter and Stand
* Autoclavable at 121℃ and Freezable to -80℃

〈L1〉

		Pk.	Price,₩	Cs.	Price, ₩
J1.S001.001	Tube Rack, PP, Non-sterile, 7-Hole 1.5/2.0/15/50㎖	1ea	3,080	50ea	139,170
J1.S002.001	, **Sterile**, 7-Hole 1.5/2.0/15/50㎖	1ea	3,270	50ea	147,870



Round Tube Stand, PP, with12 Holes for Φ19 & 25mm Tubes and 16 Draining Pegs Φ10mm
Assembly for Handling & Storage, Autoclavable, 조립식 시험관랙 스탠드

■ ***Supplied by SciLab Korea***

* Supplied Flat and is very Easy to Assemble for Use or Disassemble for Storage.
* Autoclavable
* with 12 Hole : ① 8 Hole×Φ19mm Tube, ② 4 Hole×Φ25mm Tube
* Dimension : Φ205mm×h90mm
* 16 Vertical Pegs Φ10mm for Drying Tubes.

〈L1〉

		Ea.	Price, ₩	Cs.	Price, ₩
SL.Rac3099	Rack, Round, PP, 8×Φ19mm hole, 4×Φ25mm hole, and 16×Φ10mm Pegs		8,600	2ea	16,640



PP, for 15 & 50㎖ Tubes, 27-Hole

SciLab® 27-hole 15 & 50㎖ Conical Tube Assembly Simple Rack, PP
With 2 Tiers & Conical Bottom/Base, 125/140℃, 27홀 조립식 랙

■ ***Made in Korea***

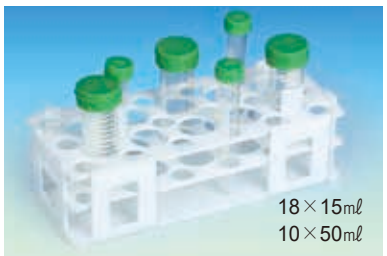
* Made of Polypropylene, -196℃(in Vapor-phase LN_2)+125/140℃
* for Conical Tubes
* Good Finished ; for Smooth Working
* 27-Hole : Φ30mm×15hole, Φ17mm×12hole
* Autoclavable
* Low-form Rack for Conical Tubes
* Ideal for 15 & 50㎖ Tubes, up to Φ17/30mm Tubes
* Convenient Use and Storage Assembly type.

〈L1〉

		Ea.	Price, ₩	Pk.	Price, ₩
SL.Rac3086	Simple Rack, PP, for 15 & 50㎖, 27Hole, 235×140×h48mm, with Φ17mm×12Hole, Φ30mm×15Hole		4,800	10ea	46,570

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description

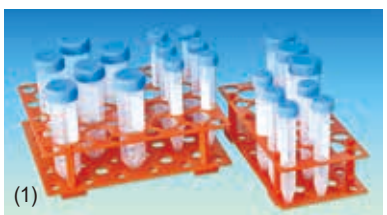


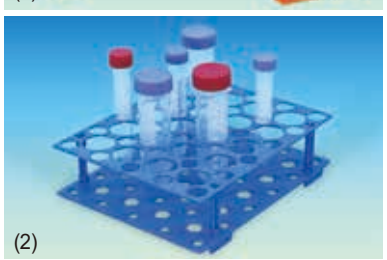
SciLab® PP 28-hole 15 & 50㎖ Tubes Assembly Rack
With 3 Tiers & Perforated Base, Autoclavable, 125/140℃, 28홀 원심관 랙

■ ***Made in Korea***
* Made of Polypropylene, -196℃(in Vapor-phase LN_2) +125/140℃
* Good Finished ; for Smooth Working * Autoclavable * Can be used in Water Bath.
* 28-Hole : Φ30 mm×10Hole(2×5) & Φ17 mm×18Hole(3×6)
* Sample identification "Alpha-Numerical-Grid"

〈L1〉

		Ea.	Price, ₩	Pk.	Price, ₩
SL.Rac3087	Tube Rack, PP, for 15 & 50㎖, 28 Hole, 245×105×h72 mm with 18-Hole for 15㎖, and 10-Hole for 50㎖	6,000		10ea	58,200





28 & 50-hole 15 · 50㎖ Centrifuge Tube Assembly Rack, with 2-Tiers and Alpha-Numeric Index
PP or ABS, for Conical Bottom, Usable in Water Bath, 조립식 28 & 50홀 원심관 랙, 15 & 50㎖용

■ ***Made of Autoclavable PP or High Impact ABS(none autoclavable) Resin***
* Can be used in Water Bath * Easy to Assemble and Snap Together Securely

(1) PP 28 & 50-hole, 15 & 50㎖ Tube, Orange, Autoclavable

〈L1〉

■ ***Supplied by SciLab Korea***

		Ea.	Price, ₩
SL.Rac3770	Rack, for Conical Tubes, PP, 50 Hole ; 15㎖×30ea, 50㎖×20ea 209×171×h63mm		2,650
SL.Rac3771	, 28 Hole ; 15㎖×18ea, 50㎖×10ea 209×98×h63mm		2,420

(2) ABS 28 & 50-hole, 15 & 50㎖ Tube, Blue

〈L1〉

■ ***Supplied by DAIHAN Korea***
* High Impact Acrylonitrile Butadiene-styrene Resin, None Autoclavable

		Ea.	Price, ₩	Cs.	Price, ₩
DH.Rac3010	Rack, for Conical Tubes, ABS, 50 Hole ; 15㎖×30ea, 50㎖×20ea 209×171×h63mm	13,540		4ea	50,000
DH.Rac3011	, 28 Hole ; 15㎖×18ea, 50㎖×10ea 209×98×h63mm	13,540		4ea	50,000



PP 16 & 36-hole Centrifuge Tube Box, for 15 & 50㎖, 147×147×h126mm
With Alpha-Numeric Index and Clear Lid, Autoclavable, 15 & 50㎖ 원심관 박스/랙

■ ***Supplied by DAIHAN Korea*** * Made of PP(Polypropylene), Autoclavable, -80℃+121℃
* Distinctive Green Color on 15㎖ Tube Box and Blue Color on 50㎖ Tube Box
* Provides more Durable and Rugged Alternative

〈L1〉

		Ea.	Price, ₩	Cs.	Price, ₩
DH.Rac3007	Rack, for 15㎖ Centrifuge Tube, PP, 36-Hole, Green	17,820		4ea	65,900
DH.Rac3008	, for 50㎖ Centrifuge Tube, PP, 16-Hole, Blue	17,820		4ea	65,900



PP Universal Assembly Rack, for Φ13~Φ30mm Tubes of 0.5~50㎖
With Alpha-numeric Grid, 3×Colored, 21 · 24 · 40 · 60 · 90-Hole, 만능형 튜브 랙, 조립식

■ ***Supplied by SciLab Korea*** * Heat- / Chemical-resistance Polypropylene, Autoclavable
* Stackable-type * Suitable for underwater work(In Water Bath) * Useful for Freezers
* "Alpha-Numerical-Grid" Identification for Sample Identification. * Can be used in Water Bath

※ **21 Holes×Φ30 mm Rack is Suitable for 50㎖ Centrifuge Tube.**

〈L1〉

		Ea.	Price, ₩	Pk.	Price, ₩
SL.Ra3013B	Rack, 90-Hole×Φ13 mm, 105×249×h71 mm, Blue	6,630		50ea	320,740
SL.Ra3013W	, White	6,630		50ea	320,740
SL.Ra3013Y	, Yellow	6,630		50ea	320,740
SL.Ra3016B	Rack, 60-Hole×Φ16 mm, 105×249×h71 mm, Blue	6,630		50ea	320,740
SL.Ra3016W	, White	6,630		50ea	320,740
SL.Ra3016Y	, Yellow	6,630		50ea	320,740
SL.Ra3020B	Rack, 40-Hole×Φ20 mm, 105×249×h71 mm, Blue	6,630		50ea	320,740
SL.Ra3020W	, White	6,630		50ea	320,740
SL.Ra3020Y	, Yellow	6,630		50ea	320,740
SL.Ra3025B	Rack, 24-Hole×Φ25 mm, 105×249×h71 mm, Blue	6,630		50ea	320,740
SL.Ra3025W	, White	6,630		50ea	320,740
SL.Ra3025Y	, Yellow	6,630		50ea	320,740
SL.Ra3030B	Rack, 21-Hole×Φ30 mm, 105×249×h71 mm, Blue	6,630		50ea	320,740
SL.Ra3030W	, White	6,630		50ea	320,740
SL.Ra3030Y	, Yellow	6,630		50ea	320,740

Articles	Cat. No	Description



Biofil® 25-holes Conical Centrifuge Tube Rack, PP, for 15 & 50㎖, Economically Low-Form
With Number-Numeric Index, Autoclavable, 15 & 50㎖ **원심관 랙, 경제형-단형**

- ***Manufactured in Class 100,000 Cleanroom with Materials Conforming to USP CLASS VI Standards under the Quality Control of ISO 13485 & 9001 and CE.***
- ***Batch Certifications : Lot No. is Printed on Every Case (or Pack) for Quality Traceability.***
- ***Low-Profile Form, Stackable.***

∗ Made of Polypropylene(PP) ; Autoclavable at 121℃ and Freezable to −80℃
∗ DNase/RNase Free and Non-pyrogenic

〈L1〉

(1) For 15㎖ Conical-bottom Centri-Tube×25 holes

		Pk.	Price, ₩	Cs.	Price, ₩
J1.CFR001.015	Rack, 25-Holes×Φ17mm, 154×127×h32 mm, Light Green	5ea	17,240	10pk	156,550
J1.CFR003.015	, White	5ea	17,240	10pk	156,550

(2) For 50㎖ Conical-bottom Centri-Tube×25 holes

		Pk.	Price, ₩	Cs.	Price, ₩
J1.CFR001.050	Rack, 25-Holes×Φ29mm, 233×191×h32 mm, Light Green	5ea	19,150	10pk	173,950
J1.CFR003.050	, White	5ea	19,150	10pk	173,950



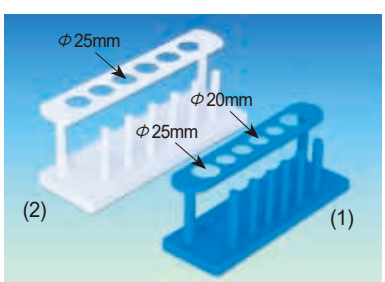
PP Tube Rack, with 12 Hole(Φ22mm) & 12 Drying Pegs Φ10mm
For od 22mm Tubes, Autoclavable, 12홀 **시험관 랙**

- ***Supplied by SciLab Korea***

∗ Dimension : 348×64×h88 mm
∗ with 12 Holes of Φ22mm Tube and 12 Pegs Φ10mm for Drying

〈L1〉

		Ea.	Price, ₩
SL.Rac3100	Rack, PP, Φ22 mm×12 holes, 348×64×h88mm		7,800



PP Assembly Tube Rack, with 6 holes of Φ20 or 25mm and 6 Drying Peg, **조립식 시험관랙**

- ***Supplied by SciLab Korea***

∗ Assembly Rack with Six Holes of 16 and 25 mm Diameter, and with 6 Peg Φ10mm for Drying
∗ Supplied Flat and is very Easy to Assemble for Use or Disassemble for Storage

〈L1〉

(1) With 4 hole Φ20mm, & 2 hole Φ25mm, and 6 Pegs Φ10mm, Blue

		Ea. Price,₩	Cs.	Price,₩
SL.Rac3097	Rack, PP, 4 hole Φ20mm, 2 hole Φ25, and 6 Pegs, 69×205×h81mm	1,840	12ea	21,120

(2) With 6 hole Φ25mm, and 6 Pegs Φ10mm, White

		Ea. Price,₩	Cs.	Price,₩
SL.Rac3098	Rack, PP, 6 hole Φ25mm & 6 Pegs, 75×235×h90mm	4,190	12ea	48,390



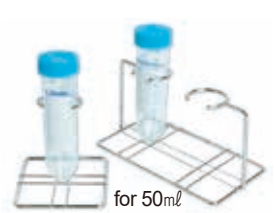
SciLab® 80-hole Universal 4-way Aluminum Tube Rack, Each Side 4~32 hole
For 0.5, 1.5/2.0, 15, and 50㎖ Tubes, **만능 4면 칼라 알루미늄 랙**

- ***Made in Korea***
- ***Light Weight, Long Life and Fine Edge***

∗ Color is Yellow green
∗ Capacity: (1) Side 1 = 32-Hole×0.5 ㎖ Tube, (2) Side 2 = 32-Hole×1.5 / 2 ㎖ Tube
(3) Side 3 = 12-Hole× 15 ㎖ Tube, (4) Side 4 = 4-Hole×50 ㎖ Tube

〈L1〉

		Ea.	Price, ₩
SL.Rac0107	Rack, 4 way, Aluminum, Rectangular, 172×90×53mm		22,150



SciLab® 50㎖ Conical Tube Rack, 1 & 2 Well
Made of Epoxy Coated Steel, <Korea-Made> 50㎖ **원심관 랙**

∗ Made of Stainless-steel(SS) ∗ for Storage and Easy to Move, Epoxy-Coated

〈L1〉

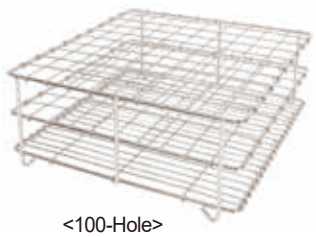
		Ea.	Price, ₩
SL.Rac7081	Tube Rack, for 50㎖ Conical Tube, 1-Well		6,490
SL.Rac7082	, 2-Well		9,670

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



<40/50-Hole>



<100-Hole>



(Φ18 mm) (Φ30 mm)
for 15㎖ & 50㎖ Tubes

SciLab® Stainless-steel Wire Test Tube Rack, for Φ11~Φ30mm Tubes of 0.5~50㎖
Ideal for Water Bath and Temp-Resistance, 8 · 16 · 18 · 40 · 50 · 100-Hole, **스텐선 시험관랙**

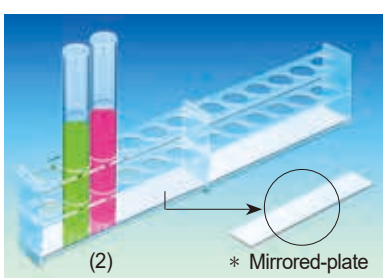
〈L1〉

■ ***Made in Korea***

		Ea.	Price, ₩
SL.Rac7039	Rack, Φ11 mm×40 Hole, w163×d 69×h70mm *New*		16,000
SL.Rac7040	, Φ11 mm×50 Hole, w163×d 85×h70mm *New*		18,000
SL.Rac7041	, Φ13 mm×40 Hole, w163×d 69×h70mm		12,830
SL.Rac7042	, Φ13 mm×50 Hole, w163×d 85×h70mm		13,730
SL.Rac7043	, Φ16 mm×40 Hole, w190×d 84×h85mm		13,730
SL.Rac7044	, Φ16 mm×50 Hole, w190×d100×h85mm		14,500
SL.Rac7045	, Φ19 mm×40 Hole, w220×d 93×h95mm		14,500
SL.Rac7046	, Φ19 mm×50 Hole, w220×d115×h95mm		15,330
SL.Rac7047	Rack, Φ22 mm×40 Hole, w250×d106×h95mm		15,330
SL.Rac7048	, Φ22 mm×50 Hole, w250×d132×h95mm		16,930
SL.Rac7049	, Φ25 mm×40 Hole, w292×d121×h100mm		16,930
SL.Rac7050	, Φ25 mm×50 Hole, w292×d152×h100mm		18,550
SL.Rac7051	, Φ31 mm×40 Hole, w397×d143×h100mm		18,550
SL.Rac7052	, Φ31 mm×50 Hole, w397×d178×h100mm		19,330
SL.Rac7061	Rack, Φ13 mm×100 Hole, w170×d170×h70mm		27,400
SL.Rac7062	, Φ16 mm×100 Hole, w190×d190×h80mm		28,990
SL.Rac7063	, Φ19 mm×100 Hole, w220×d220×h90mm		30,630
SL.Rac7064	, Φ22 mm×100 Hole, w250×d250×h90mm		32,250
SL.Rac7065	, Φ25 mm×100 Hole, w300×d300×h90mm		33,830

15㎖ & 50㎖ Centrifuge Tube Rack, for Φ18 & Φ30mm, 8 · 16 · 18-Hole

		Ea.	Price, ₩
SL.Rac7071	50㎖ Tube Rack, Φ30 mm× 8 Hole, w170×d 80×h90mm		14,030
SL.Rac7072	, Φ30 mm×16 Hole, w170×d170×h90mm		16,450
SL.Rac7073	15㎖ Tube Rack, Φ18 mm×18 Hole, w150×d 80×h100mm		14,030



Colorimetric Nessler Tube Rack, Acrylic, for 50 & 100㎖ Tubes of Φ27 & 32mm
With 12 Holes & Mirrored-plate, Clear, −40℃+90℃ Stable, **아크릴 비색관 랙**

■ ***Supplied by SciLab Korea*** ■ ***with detachable Mirrored-plate***

* Provide Clear View of the Tube Contents
* The Lower Part of the Tube can be clearly seen through the Mirrored-plate

〈L1〉

		Ea.	Price, ₩
SL.Rac3193	(1) Tube Rack, Acrylic, Φ27 mm×12 holes, 401×38×h105mm		20,840
SL.Rac3194	(2) , Φ32 mm×12 holes, 460×44×h106mm		25,000

Articles	Cat. No	Description



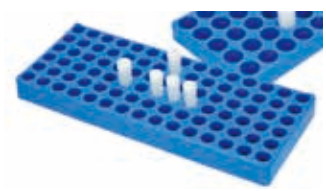
SciLab® PP 21~90-hole Assembly Vial Rack, Perforated Base, Short-form, Submersible, 3Tiers With Φ13~Φ30mm Hole, h40mm, Autoclavable, 125/140℃, 21~90홀 만능형 바이알 랙

■ Made in Korea ***■ 세척이 쉽고 가벼움. 간편한 조립으로 쉽게 사용***

* Made of Polypropylene, -196℃(in Vapor-phase) +125/140℃
* Good Finished ; for Smooth Working.
* Low-form Rack for Conical & Flat Bottom Tubes
* Suitable for 0.5~50㎖ (Φ13~30mm) Tubes
* Can be used in Water Bath.

〈L1〉

		Ea. Price,₩	Pk.	Price, ₩
SL.Rac3091	Vial Rack, PP, 245×105×h40 mm, Φ13 mm×90 Hole	6,000	10ea	58,200
SL.Rac3092	, Φ16 mm×60 Hole	6,000	10ea	58,200
SL.Rac3093	, Φ20 mm×40 Hole	6,000	10ea	58,200
SL.Rac3094	, Φ25 mm×24 Hole	6,000	10ea	58,200
SL.Rac3095	, Φ30 mm×21 Hole	6,000	10ea	58,200



50 & 90-Hole PP Blue Vial Rack

50 & 90-hole PP Scintillation Vial Rack, with Hole id Φ17.1 & 28.1mm, Autoclavable Stackable, −10℃+125/140℃, 50 & 90홀 바이알 랙

* Made of Polypropylene
* for Convenient Storage, Handling & Sample Preparations
* Ideal for Scintillation Vial

〈L1〉

		Ea. Price,₩	Pk.	Price, ₩
SL.Rac3180	Vial Rack, PP, 90-Hole, Hole id Φ17.1mm, 352×145×h31mm	24,180	2ea	46,890
SL.Rac3181	, 50-Hole, Hole id Φ28.1mm, 343×178×h31mm	24,180	2ea	46,890

Wheaton® 36~96 Places White Gray PP Vial Rack, Heat Resistant at −10℃+125/140℃, Autoclavable, 각종 바이알용 랙

■ Supplied by Wheaton® in USA ***■ 우수한 내약품성/내열성을 가진 튼튼한 구조의 중첩 가능한 PP랙***

■ Manufactured from Polyprophylene. ***■ When Selecting the Proper Rack, the Vial OD can not exceed the Wall ID Dimension.***

* Easy to Clean and Autoclavable.
* The racks are sturdy and stackable, even when the vials are in place.
* Alphanumeric Indexing Indicated On Rack.
* Each well has an opening in the bottom to facilitate Drainage.



(1)



(2)



(3)



(4)

〈L1〉

(1) 96 Hole Rack, with Φ9.5 mm Hole Dia., for Φ8 mm Autosampler Shell Vials & Others

		Ea. Price,₩	Cs.	Price, ₩
WH.985750	Rack, 96-Hole, 8deep×12wide, 12.5×18.5×h2.2cm	117,520	5ea	543,830

(2) 50 Hole Rack, with Φ12.5 mm Hole Dia., for Φ12 & 12.5 mm Auto·Cryo Vials &c.

		Ea. Price,₩	Cs.	Price, ₩
WH.985800	Rack, 50-Hole, 5deep×10wide, 19×10×h2.2cm	70,200	5ea	324,750

(3) 50 Hole Rack, with Φ12.5 mm Hole Dia. for Free-standing Cryovials

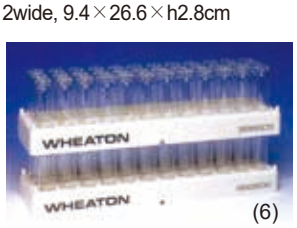
		Ea. Price,₩	Cs.	Price, ₩
WH.W985810	Rack, 50-Hole, 5deep×10wide, 19×10×h2.2cm	84,000	5ea	388,720

(4) 48 Hole Rack, with Φ15.5 mm Hole Dia., for All 15×45 mm Auto·Cryo Vials &c.

		Ea. Price,₩	Cs.	Price, ₩
WH.868804	Rack, 48-Hole, 4deep×12wide, 9.4×26.6×h2.8cm	78,740	5ea	364,290



(5)



(6)



(7)



(8)

(5) 90 Hole Rack, with Φ17.1 mm Hole Dia., for Φ15 & 17 mm Auto·Cryo Vials &c.

		Ea. Price,₩	Cs.	Price, ₩
WH.868810	Rack, 90-Hole, 6deep×15wide, 17×32×h3cm	92,050	5ea	425,970

(6) 36 Hole Rack, with Φ23.1 mm Hole Dia., for "Headspace" Vials & General Vials

		Ea. Price,₩	Cs.	Price, ₩
WH.868805	Rack, 36-Hole, 3deep×12wide, 9.1×32.2×h2.8cm	69,000	5ea	319,250

(7) 50 Hole Rack, with Φ28.1 mm Hole Dia., for 20 ㎖ Scintillation·40 ㎖ EPA Vials &c.

		Ea. Price,₩	Cs.	Price, ₩
WH.868806	Rack, 50-Hole, 5deep×10wide, 17×32×h3cm	117,320	5ea	542,950

(8) 50 Hole Rack, with Φ30 mm Hole Dia., for Vial·Bottle &.

		Ea. Price,₩	Cs.	Price, ₩
WH.868808	Rack, 50-Hole, 5deep×10wide, 17×33.7×h3cm	123,140	5ea	569,940

※ The Price(VAT is extra) for Korean End-user, and Changeable.

DURAN® Stirred Bottle Reactor-set, GL45/GLS80, with Mag-Stir Shaft/Impeller and 2 & 4-Ports, 500~2,000㎖
Ideal for Small Volume Mixing/Reaction, Up to 140℃, 500rpm Autoclavable, FDA, **자력교반기용 바틀형 반응조**



(1) GL45 Stirred Reactor-set, w/2-port



(2) GLS 80 Stirred Reactor-set, w/4-port



DU.2128654
Option ;
Baffled Bottle, GLS80



SL.Bot2154
Option ;
Baffled Bottle, GL45



EX. Figure : DURAN® Stirred Reactor-set
and DAIHAN® Hotplate Stirrer

- ***Supplied by DURAN® in Germany***
- ***Completely Autoclavable***
- ***Can be used up to 500 rpm***
- ***Temperature Resistant up to 140℃***
- ***Variable Stirrer Shaft can be used***
- ***Compatible with the proven DURAN® Connection Systems ; Hoses with Bores from 1.6 mm to 6.0 mm can be Fitted (GL45), Hoses with Bores from 1.6 mm to 12.0 mm can be Fitted (GLS 80)***
- ***Materials used PP / PTFE / PEEK / Stainless-steel***
- ***Parts in contact with Media conform fully to FDA Requirements***
- ***Complete Set :***

(1) 2 Ports/GL45 Stirred Reactor - ① DURAN® GL45 Bottle (500 or 1,000㎖), ② Folding Magnetic Stirrer & Shaft, ③ GL45 PP Screwcap with 2×GL14 Ports & PBT Screwcap (Red), ④ GL14 PP Screwcap (Blue)

(2) 4 Ports/GLS 80 Stirred Reactor - ① DURAN® GLS 80 Bottle (1Lit or 2Lit), ② Anchor-type Magnetic Stirrer & Shaft, ③ GLS 80 PP Screwcap with 2×GL14 PBT Screw cap (Red) & 2×GL18 PBT Screwcap (Red), ④ 1 GL 14 PP Screwcap(blue) (Impeller-type Stirrer can be Supplied Optionally)

∗ Significantly Improved thorough Mixing Compared to Standard Magnetic Stirring Bar
∗ Ideal for the Mixing Process : Mixing Liquids, Dissolving Solids
∗ The Whole assembly is Autoclavable, so that it Can be Used in Biological Applications (Fermentation)
∗ The Connections Permit you to Introduce other Media into the Bottle or Remove Media During Mixing
∗ Can be Connected Extra Media Bottles or Fitted a Sterile Pressure Release

※Note :
- Instead of direct Heating, a Water or Oil Bath should be used to Ensure an even Heat transmission and to avoid tension in the Glass.
- The Stirred Reactor can be Heated in a Temperature Cabinet
- Optimum Mixing is Obtained with a Filling Volume of 300㎖ (GL45)
- Due to Lid Design, No Probes (for Temperature Measurement) can be Used (GL45)

〈L1〉

(1) 2 Ports /GL45 Stirred Reactor-set, with Fitting Mag-Stir Shaft/Impeller

		Ea.	Price, ₩
DU.1200395	Stirred Reactor -set, 2 Ports ,GL45, 500 / 100㎖		563,820
DU.1200396	, 1,000 / 100㎖		583,740

Spare Accessories for GL45 Stirred Reactor

		Ea.	Price, ₩
DU.1200391	Folding Magnetic Stirrer for GL45 Stirred Reactor, incl. Shaft PP/Stainless-steel, including PEEK Connection		496,230
DU.1200390	Spare Screwcap 2-ports for GL45 Stirred Reactor, with GL14 Screwcap, PP, Blue		157,070

(2) 4 Ports /GLS80 Stirred Reactor-set with Anchor Mag-Stir Shaft/Impeller

		Ea.	Price, ₩
DU.1200380	Stirred Reactor -set, 4 Ports ,GL80, 1,000 / 100㎖		683,470
DU.1200381	, 2,000 / 200㎖		696,780

Spare Accessories for GLS80 Stirred Reactor

		Ea.	Price, ₩
DU.1200379	Reactor Screwcap, GLS 80, incl. Anchor Stirrer, Shaft, Connection, GL14 & GL18 Screwcap		645,890
DU.1200382	Impeller Stirrer, Magnetic (Option)		396,540
DU.1200383	Anchor Stirrer, Magnetic		396,540
DU.1200385	Screwcap, PP, Blue / Grey		196,980
DU.1200386	Shaft, Stainless-steel, incl. PEEK Connection		119,680

Optional Accessories

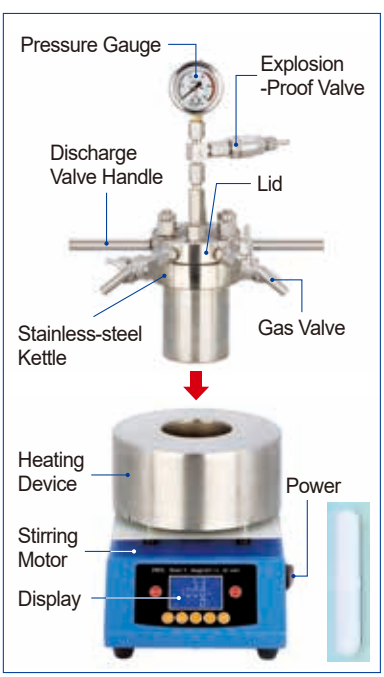
		Ea.	Price, ₩
DU.2128654	Bottle, Baffled, GLS80, w/PP Screwcap & Ring, 1Lit, Φ101mm×h223mm		45,230
SL.Bot2154	, GL45 , w/PP Screwcap & Ring, 1Lit, Φ101mm×h223mm *New*		38,290
DH.WMH03020	(3) Digital Hotplate Stirrer		423,000

Lab High Pressure Hydrothermal Synthesis Magnetic Stirring Mini Autoclave Reactor Set, 50 · 100 · 250 · 500㎖

Compact Size, Stirring and Reacting Device, Max-1000rpm/220bar, **탁상용 미니 고압 수열합성 오토클레이브 반응기 세트, 마그네틱바 사용**



Reactor Set



Components



Optional
PTFE Inner Reation Vessel

■ ***Supplied by SciLab Korea***
■ ***최대압력 220bar(22MPa), 최대 온도 200℃와 같이 고압, 고온상에서 물리 화학적 반응을 수행할 수 있는 반응기***
■ ***용도 - 고온 & 고압 실험, 수소첨가 실험, 중합반응 실험 등에 쓰임*** ■ ***마그네틱바 포함***
■ ***사용분야; 실험실, 석유화학, 제약, 화학, 금속공학, 연구소 및 기타분야에서 주로 사용됨***
■ ***Simple High Pressure Reactor with Bottom Heating and Stirring***
■ ***Magnetic Stirrer Bar is Included(Φ9×28mm).***
■ ***Application; High-Temperature & -Pressure Experiment, Hydrogenation, Polymerization, etc.***
■ ***Ideal for Use in the Field of Laboratory, Petrochemical Industry, Chemical Plant, Pharmaceutical, Polymer Synthesis, Metallurgy, Research Institutes, and other Fields.***
■ ***Optional PTFE Inner Reaction Vessel; Used as Inner Vessel of Stainless-steel Kettle***

∗ Made of Stainless-steel
∗ Can be Placed in Electric Blast Drying Oven, Constant Temp Oil / Water Bath, Low Temp Tank and Other Instruments
∗ Can be Equipped with Computer Communication Terminals
∗ LCD Display Speed and Temp · Button to Adjust Parameters
∗ Use More Convenient, Numerical
∗ Equipped with Original German Imported Miniature DC Motor, Pressure Gauge, Explosionproof Device, Intake Valve, Sampling Valve and Temp Probe, which can Easily Realize the Micro-Reaction Test
∗ Kettle Body and the Heater Can be Quickly Separated, while the Kettle Body Can be Quickly Cooled
∗ The Outer Casing is Made of One-time Flame-retardant Reinforced PBT Injection Molded Casing, which is Resistant to High Temp, Corrosion and Good Insulation Performance
∗ 30° Bevel Control Panel is Suitable for Sitting and Standing Viewing Angles
∗ The Body is Designed with an Overflow Tank, and the Liquid Flows through the Overflow Tank to Both Sides of the Machine instead of Flowing to the Body or the Panel
∗ Steady Low Speed and Strong High Speed, No Extreme Low Speed

Components

- Stirring Motor : High Power Motor Imported from Germany, Strong, Stable Performance
- Gas Valve : Gas Intake Needle Valve
- Sampling Valve : It is Easy to Sample and Analyze the Reaction Process at any time in the Reaction Process
- Vent Valve : It is Convenient to Vacuum the System and Replace the Gas before the Reaction, and It is Used as the Vent Valve after the Reaction.
- Pressure Gage : Real-time Monitoring of Reaction Temperature in the Kettle
- Temperature Sensor : Deep Inside the Reactor Body to Monitor the Reaction Temperature
- Heating Unit : Module Heating, Fast Heating, Accurate Control, Digital Display Screen

Specifications & Ordering information

〈L1〉

Spec. \ Model	HJ-PMRB-50	HJ-PMRB-100	HJ-PMRB-250	HJ-PMRB-500
Volume	50㎖	100㎖	250㎖	500㎖
Working Temp.	200℃			
Working Pressure	220bar (22 MPa)			
Stirring Speed	1000 rpm			
Stirring Method	Internal Magnetic Stirring			
Motor	BLDC Motor			
Motor Power	40 W			70W
Heating Power	600 W		800 W	1500 W
Heating Mode	Mantle Heating			
Material	Body : Stainless-steel 316 Valve and Connection : Stainless-steel 316L Optional PTFE Inner Reaction Vessel			
Working Interface	LCD Display			
Window Diameter	Φ40mm	Φ44mm	Φ58mm	Φ70mm
Dimension (w×d×h)	310×330×h345mm	320×330×h400mm	330×330×h525mm	350×330×h570mm
Net Weight	10kg	14kg	16.5kg	20kg
Cat. No.	**SL.Rea7001**	**SL.Rea7002**	**SL.Rea7003**	**SL.Rea7004**
Price, Each. ₩	4,920,620	5,161,490	5,505,580	5,964,380

※ **Note! Freight and Installation Charges Seperately.**

Optional PTFE Inner Reaction Vessel NEW

		Ea. Price, ₩
SL.Con4301	PTFE Inner Reaction Vessel, 50㎖, Φ37×h58mm	64,690
SL.Con4302	, 100㎖, Φ43×h77mm	88,940
SL.Con4303	, 250㎖, Φ57×h102mm	210,220
SL.Con4304	, 500㎖, Φ69×h140mm	347,670

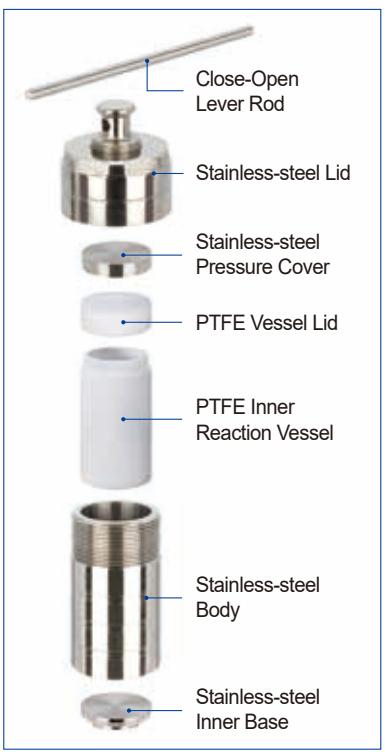
※ The Price(VAT is extra) for Korean End-user, and Changeable.

Hydrothermal Synthesis Autoclave Reactor Vessel Set with PTFE Inner Vessel, Made of Stainless-steel 304, 25~500㎖

Ideal for Using in Numerous Industries, High Quality PTFE Chamber, +200/220℃ Stable, **수열합성 고압 반응 베셀 세트**



Vessel Set



Components

■ ***Supplied by SciLab Korea***
■ ***신뢰성이 높고 내구성이 뛰어난 구조의 스테인리스 스틸을 사용하여 누수 없이 장기간 안정적으로 유지***
■ ***유해 물질의 유출과 오염 방지, 샘플 손실의 최소화*** ■ ***용기의 80%만 채우는 것을 권장함***
■ ***용도 - 화학합성, 나노입자 합성, 중합반응, 수열분해, 촉매합성, 수열산화, 수열석출, 결정화과정, 중금속, 내화재료, 유기화학물질 등의 용해등에 쓰임***
■ ***사용분야; 과학 연구소, R&D 연구소, 기관 조직, 기업 품질 관리 부분등 다양한 분야에서 널리 사용됨***
■ ***Application - Chemical Synthesis, Synthesizing of Nanoparticles, Polymerization Reaction, Hydrothermal Decomposition, Catalyst Synthesis, Crystallization Process, Dissolve of Heavy Metals, Refractory Material, Organic Chemicals etc.***
■ ***Ideal for Used in Field of Laboratory, R&D Labs, Institutional Organization, Quality Control Sections in Business.***
■ ***Insulation Resistance, High Lubrication, No Adhesion, Non-Hazardous, Anti-Pollution***

∗ Recommend Filling out the Reaction Material approx. 80% of Vessel Volume.
∗ Dissolve Sample Rapidly without Any Lossless ∗ Screw Sealing Type
∗ Working Pressure : ≤3MPa ∗ Heating and Cooling Rate : ≤5℃/min
∗ Ultra Corrosion Resistance : Resistant to Strong Acid, Alkali, Strong base, Aqua Regia and all kinds of Organic Solvent
∗ Equipped With Polytetrafluoroethylene Bushing
∗ Sturdy Reactor Chamber that Withstands Pressure and Temperature
∗ Reliable, Durable Structure, the Sealing Effect Stays Stable for a Long Time without any Leakage

Reactor Vessel Set with PTFE Inner Reaction Vessel

∗ PTFE : PolyTetraFluoroEthylene ∗ Max Operating Temp. 220℃ ∗ Safe Temperature 200℃ 〈L1〉

Cat. No.	Capacity	Diameter	Height	Weight	Ea.	Price, ₩
SL.Ves7001	25㎖	Φ56mm	115mm	1kg		91,250
SL.Ves7002	50㎖	Φ67mm	155mm	1.8kg		186,840
SL.Ves7003	100㎖	Φ77mm	165mm	2.8kg		238,980
SL.Ves7004	150㎖	Φ88mm	180mm	4.8kg		434,480
SL.Ves7005	200㎖	Φ98mm	200mm	6.5kg		543,100
SL.Ves7006	250㎖	Φ98mm	220mm	7kg		677,780
SL.Ves7007	300㎖	Φ110mm	220mm	8kg		812,470
SL.Ves7008	500㎖	Φ122mm	245mm	10kg		981,900

Spare; PTFE Inner Reaction Vessel Only (with Lid)

Cat. No.	Capacity	Diameter	Height	Thickness	Weight	Ea.	Price, ₩
SL.Con4201	25㎖	Φ33mm	64mm	4.5mm	80g		36,520
SL.Con4202	50㎖	Φ40mm	86mm	5mm	112g		69,530
SL.Con4203	100㎖	Φ50mm	98mm	5mm	150g		95,600
SL.Con4204	150㎖	Φ56mm	118mm	6mm	292g		139,040
SL.Con4205	200㎖	Φ63mm	135mm	7mm	477g		165,120
SL.Con4206	250㎖	Φ65mm	152mm	7mm	560g		225,930
SL.Con4207	300㎖	Φ70mm	156mm	7mm	644g		275,470
SL.Con4208	500㎖	Φ85mm	158mm	8mm	720g		373,670

Vacuum Glass Reactor 진공반응장치

Your Friend in Reaction System- - -

Convenient LaboRactor™ 0.1 ~ 100Lit In Vacuum-Line

All for Glass Reactor System for Lab & Pilot Plant

AutoLifting- / Classic- / H.Mantle-Models, -80℃ +260℃

with Glass or Stainless-steel Vessel / Lid or PTFE Lid, 45° DN Flange , Safety Connection, and Assembly Frame

Ideal for ▶Experiment, ▶Pilot- & Mass-Production











5~100 Lit. AutoLifting-Model Ⅰ
Manual Tilt, Double-Wall Vessel
High Performance
Ideal for Cleaning

5~100 Lit. Classic-Model Ⅱ
Double-Wall Vessel
Good for Economic Operation

0.5~20 Lit. Suspended-Model Ⅲ
Double-Wall Vessel
Good for Economic Operation

2~50 Lit. H.Mantle-Model Ⅳ
Single-Wall Vessel
Good for Simply Economic Operation


High-Torque Digital Overhead Stirrer


PTFE Lids & Clamping Sys.


Flasks, Round-type


Vessel, Double Wall


Vessel, Stainless-steel

and


General Multi-Neck Flasks

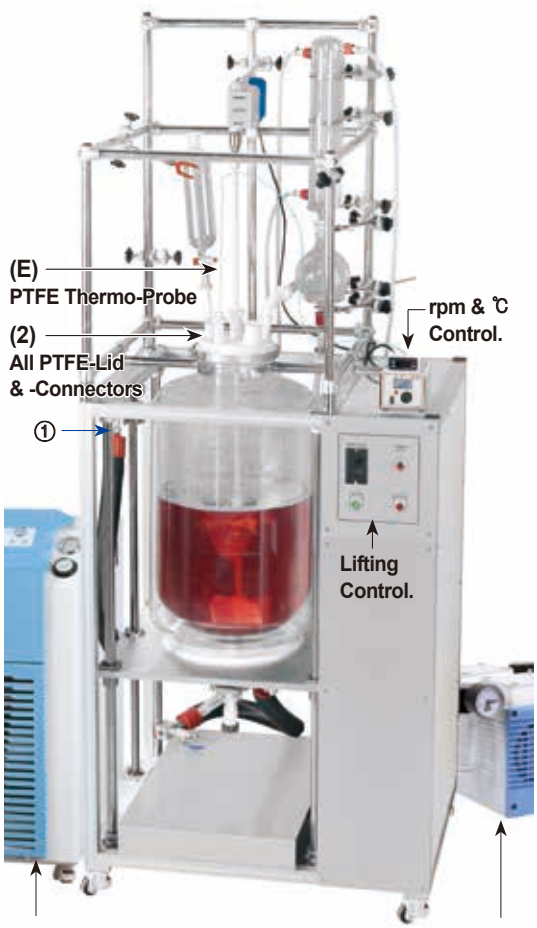
LaboRactor™ 5~100 Lit AutoLifting Vacuum Reactor Set, with Jacketed Glass Vessel · Agitator · Frame · Glass Assembly

With DN O-Ring Flange · PTFE Impeller · PTFE Drainvalve, Digital Agitation & Lifting System, **자동리프팅/자켓 글라스 진공 반응조 세트**

▶ Advantage of Lifting System

- ***Safety Cleaning the Vessel***
- ***Easy Feeding of Large Volume Raw Materials***
- ***Ideal for Maintenance***

■ *Supplied by DAIHAN Korea*





(A) AutoLifting & Manual Tilt Reactor Set, −80℃+260℃



(1) Glass Lid
With 5 Joint Necks



(2) All PTFE Lid
With 6 Screwjoint Necks
◎ Top Safety : Non-Breakage, Anti-Chemical, & +280℃

▶ AutoLifting "Up-Down" and Manual Tilt System

- ***With Induction Gear Motor, TM-Screw, Timing Belt & Pulley, and Limit Switch***

∗ Adjustable Lifting Speed 1~53rpm & Height Length 200~500mm ∗ Tilt Angle 30 Degree

▶ Graduated Double-wall Vacuum Glass Vessel, 5~100Lit

- ***45° DN Flange & 5mm Thick High Boro-glass 3.3 with Good Physical, Chemical Properties.***
- ***PTFE Lid ; -80℃+260℃*** ■ ***PTFE Drain Valve ; Aperture Φ25mm, No-Dead Space***

∗ Work in Constant Pressure and Vacuum Degree below 0.095MPa in stationary.
∗ Cooling and Heating Solution in the Interlayer can be Completely Removed after Reaction.

▶ High-Torque Digital Agitator System, 50~1000rpm(800rpm/100Lit)

- ***CE Certified*** ■ ***with Certificate & Traceability : Controlled by Serial Number***
- ***Patented Jog-Shuttle Control System*** ■ ***PL (Product Liability) Insurance***
- ***With Safety Flex-Coupling between Stir-Motor and PTFE Shaft, PTFE Impeller.***

∗ Storage Function for the set values : RPM, Timer, and Locking ∗ Chuck - Corrosion Free.

▶ Heavier-work Assembly Frame System

- ***Material : OD Φ27.2×thick 1.5/2.0mm Stainless-steel Pipe and AL-Profile 4040***

∗ Assembly Construction System : Fully Adjustable ∗ Frames according to the Vessel Volumes.
∗ with 4 Castors including 2 Lockable Castors. ∗ 100Lit : OD Φ27.2×thick 2.0mm SS Pipe

Specification of (A) Reactor Set

Models		"REA-5A"	"REA-10A"	"REA-20A"	"REA-30A"	"REA-50A"	"REA-100A"
Jacket Vessel Volume		5 Lit	10 Lit	20 Lit	30 Lit	50 Lit	100 Lit
Jacket Volume Approx.		1.2 Lit	2.6 Lit	5 Lit	8 Lit	12 Lit	25 Lit
Vessel OD×h mm		215×370	250×480	300×630	365×710	410×800	500×970
Inner Vessel OD mm		185	215	250	330	365	460
Heat Hose Connector		GL25	GL32	GL32	① od 35×id 18mm Flat Flange & Metal Clamp		
Drain Tube Size		Glass Tube : od 24×id 19mm			Glass Tube : od 34×id 20mm		
Digital Stirrer (Agitator)	Model, Control	Direct Controlled "SHT-50DX"				Remote Controlled "SHT-120T"	"SHT-140T"
	Viscosity & Torque	100,000 mPas				150,000 mPas	160,000mPas
		300 Ncm				500 Ncm	550 Ncm
	Speed	50~1,000 rpm, Resolution : 1 rpm-Display / 1 rpm-Control					50~800 rpm
	Motor & Rating	Worm-Geared DC Motor (3.5:1 Ratio)					
		In · Output 83 / 75 W, 1 / 10 HP				In · Output 130 / 120 W, 1 / 6 HP	
Lifting	Speed	1~53 rpm, 15 Step Control					
	Height	200~500mm Distance Control					
Tilt Angle		Manual 30 Degree					
Timer & Alarm		99hr 59min (with Continuous run.), Error status & Timer-end					
Display		Digital LCD with Back-Light Function					
Controller		Digital Feedback Controller with Jog Shuttle Switch (Turn + Push)					
Shaft / Impeller		Φ14mm PTFE Encapsulated Stainless-steel, Exposed End Φ12mm, up to 50 Lit.					
Safety Device		Overload & Heat Protector for Motor					
Power Consumption		175 W				300 W	
Dimension Overall		800×620×h1900		915×670×h2100		1000×720×h2400	1200×790×h2445
Power Supply		1 Phase, AC 230 V, 50 / 60 Hz					

Ordering for (A) Reactor Set, without Circulator (B) & (C) and Vacu-Pump(D) 〈L1〉

Lifting Reactor Model & Volume	Stirrer Torque and DN-Flange	(1) with Glass Lid, 5 Neck		(2) with PTFE Lid, 6 Neck	
		Cat. No.	Price, ₩	Cat. No.	Price, ₩
"REA-5A", 5 / 0.1Lit	300Ncm, DN 150	SL.Rea2531	16,206,500	SL.Rea2541	16,892,400
"REA-10A", 10 / 0.2Lit	〃 , DN 200	SL.Rea2532	18,075,150	SL.Rea2542	18,349,830
"REA-20A", 20 / 0.4Lit	〃 , 〃	SL.Rea2533	22,206,290	SL.Rea2543	22,420,130
"REA-30A", 30 / 0.5Lit	〃 , 〃	SL.Rea2534	25,565,240	SL.Rea2544	25,807,780
"REA-50A", 50 / 1Lit	500Ncm, 〃	SL.Rea2535	29,451,870	SL.Rea2545	28,343,880
"REA-100A", 100 / 1Lit	〃 , 〃	SL.Rea2537	42,563,850	SL.Rea2547	43,394,690

※ **Note! DN 150 Flanged PTFE Lid ; 5 Neck for 5Lit Vessel**

※ Note!

- ▶ (B) & (C) Heat/Cool Circulators & Heat Transfer Fluid : See the "Reactor, Accessories".
- ▶ (D) Vacuum Pumps : See the "Pumps" Section.
- ▶ (E) PTFE Thermo-Probe "K-type" : See the Last Page of "Reactors" Section.

LaboRactor™ 5~100 Lit Classic Vacuum Reactor Set, with Jacketed Glass Vessel · Agitator · Frame · Glass Assembly

With DN O-Ring Flange · PTFE Impeller · PTFE Drainvalve, Digital 50~1000rpm, 5~100 Lit **자켓 글라스 진공 반응조 세트**

■ *Supplied by DAIHAN Korea*



(A) Classic Reactor Set
−80℃+260℃



(1) Glass Lid
With 5 Joint Necks



(2) All PTFE Lid
With 6 Screwjoint Necks
◎ Top Safety : Non-Breakage, Anti-Chemical, & +280℃

Heavy-work Support Frame dimension

Φ27.2 × thick 1.5mm SS Pipe

5 & 10 Lit : 45×45×h130cm	50 Lit : 60×60×h180cm
20 & 30 Lit : 55×55×h170cm	100 Lit : 67×67×h200cm

▶ Graduated Double-wall Vacuum Glass Vessel, 5~100Lit

■ *45° DN Flange & 5mm Thick High Boro-glass 3.3 with Good Physical, Chemical Properties.*
■ *PTFE Lid ; -80℃+260℃* ■ *PTFE Drain Valve ; Aperture Φ25mm, No-Dead Space*
■ *Can be Used Direct Contact Thermo-Probe "K-type"*
∗ Work in Constant Pressure and Vacuum Degree below 0.095MPa in stationary.
∗ Cooling and Heating Solution in the Interlayer can be Completely Removed after Reaction.

▶ High-Torque Digital Agitator System, 50~1000rpm(800rpm/100Lit)

■ *CE Certified* ■ *with Certificate & Traceability : Controlled by Serial Number*
■ *Patented Jog-Shuttle Control System* ■ *PL (Product Liability) Insurance*
■ *With Safety Flex-Coupling between Stir-Motor and PTFE Shaft, PTFE Impeller.*
∗ Digital LCD with Back-Light Function. ∗ Smooth Start and Change of the Stirring Speed.
∗ Storage Function for the set values : RPM and Timer ∗ Chuck - Corrosion Free.
∗ Locking Mode Supported for Experimental Safety (Input to Jog-Shuttle can be Disabled)

▶ Heavier-work Assembly Frame System ; Fully Adjustable

■ *Material : OD Φ27.2 × thick 1.5/2.0mm Stainless-steel Pipe*
∗ with 4 Castors including 2 Lockable Castors. ∗ 100Lit : OD Φ27.2 × thick 2.0mm SS Pipe

Specification of (A) Reactor Set

Models		"REA-5C"	"REA-10C"	"REA-20C"	"REA-30C"	"REA-50C"	"REA-100C"
Jacket Vessel Volume		5 Lit	10 Lit	20 Lit	30 Lit	50 Lit	100 Lit
Jacket Volume Approx.		1.2 Lit	2.6 Lit	5 Lit	8 Lit	12 Lit	25 Lit
Vessel OD × h mm		215×370	250×480	300×630	365×710	410×800	500×970
Inner Vessel OD mm		185	215	250	330	365	460
Heat Hose Connector		GL25	GL32	GL32	① od 35×id 18mm Flat Flange & Metal Clamp		
Drain Tube Size		Glass Tube : od 24×id 19mm			Glass Tube : od 34×id 20mm		
Digital Stirrer (Agitator)	Model, Control	Direct Controlled "SHT-50DX"				Remote Controlled "SHT-120T"	"SHT-140T"
	Viscosity & Torque	100,000 mPas				150,000 mPas	160,000mPas
		300 Ncm				500 Ncm	550 Ncm
	Speed	50~1,000 rpm, Resolution : 1 rpm-Display / 1 rpm-Control					50~800 rpm
	Motor & Rating	Worm-Geared DC Motor (3.5:1 Ratio)					
		In · Output 83 / 75 W, 1 / 10 HP				In · Output 130 / 120 W, 1 / 6 HP	
	Timer & Alarm	99hr 59min (with Continuous run.), Error status & Timer-end					
	Display	Digital LCD with Back-Light Function					
	Controller	Digital Feedback Controller with Jog Shuttle Switch (Turn + Push)					
Shaft / Impeller		Φ10/8 PTFE Encapsulated Stainless-steel Shaft				Φ12/10 PTFE Encapsulated Stainless-steel Shaft	
Safety Device		Overload & Heat Protector for Motor					
Power Consumption		85 W				120 W	
Dimension Overall		45×45×h130cm		55×55×h170cm		60×60×h180cm	67×67×h200cm
Power Supply		1 Phase, AC 230 V, 50 / 60 Hz					

Ordering for (A) Reactor Set, without Circulator & Vacu-Pump

〈L1〉

Classic Reactor Model & Volume	Stirrer Torque and DN-Flange	(1) with Glass Lid, 5 Neck		(2) with PTFE Lid, 6 Neck	
		Cat. No.	Price, ₩	Cat. No.	Price, ₩
"REA-5C", 5 / 0.1Lit	300Ncm, DN 150	SL.Rea2511	6,923,530	SL.Rea2521	7,132,680
"REA-10C", 10 / 0.2Lit	〃 , DN 200	SL.Rea2512	8,830,770	SL.Rea2522	8,625,130
"REA-20C", 20 / 0.4Lit	〃 , 〃	SL.Rea2513	12,103,340	SL.Rea2523	11,905,730
"REA-30C", 30 / 0.5Lit	〃 , 〃	SL.Rea2514	14,522,990	SL.Rea2524	14,370,720
"REA-50C", 50 / 1Lit	500Ncm, 〃	SL.Rea2515	17,241,180	SL.Rea2525	17,451,420
"REA-100C", 100 / 1Lit	〃 , 〃	SL.Rea2517	29,379,690	SL.Rea2527	29,238,540

※ **Note! DN 150 Flanged PTFE Lid ; 5 Neck for 5Lit Vessel**

※ Note!

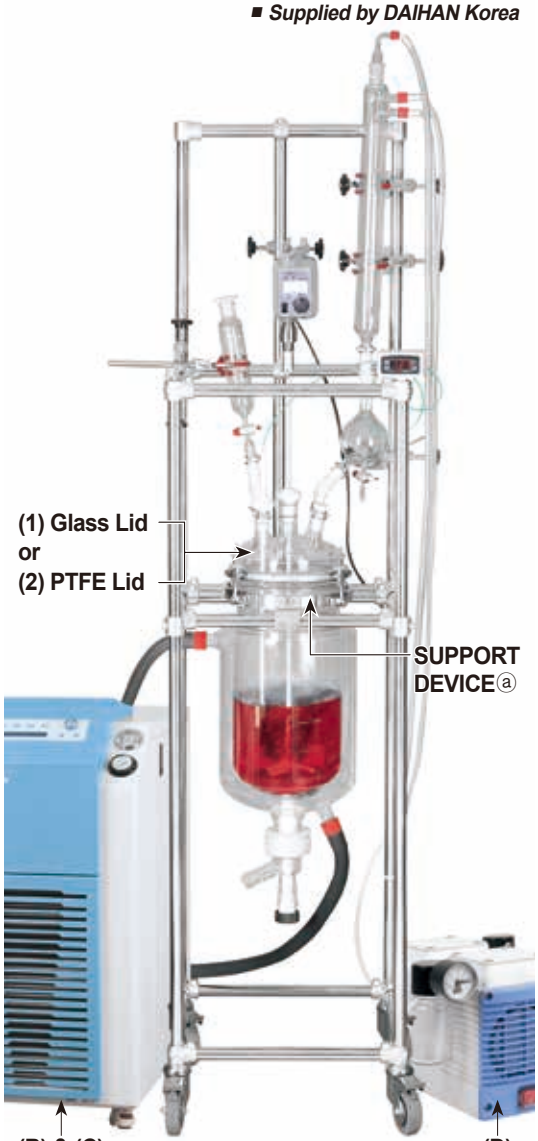
▶ (B) & (C) Heat/Cool Circulators & Heat Transfer Fluid : See the "Reactor, Accessories".
▶ (D) Vacuum Pumps : See the "Pumps" Section.
▶ (E) PTFE Thermo-Probe "K-type" : See the Last Page of "Reactors" Section.

※ The Price(VAT is extra) for Korean End-user, and Changeable.

LaboRactor™ 0.5~20 Lit Suspended Vacuum Reactor Set, with Jacketed Glass Vessel · Agitator · Frame · Glass Assembly

With DN O-Ring Flange · PTFE Impeller · PTFE Drainvalve, Digital 50~1000rpm, **행잉 타입 자켓 글라스 진공 반응조 세트** 0.5~20 Lit

■ *Supplied by DAIHAN Korea*



(A) Suspended Reactor Set
−80℃+260℃

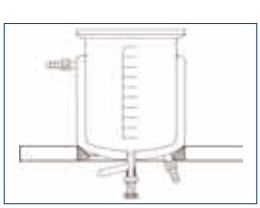


(1) Glass Lid
With 5 Joint Necks



(2) All PTFE Lid
With 6 Screwjoint Necks
◎ Top Safety : Non-Breakage, Anti-Chemical, & +280℃





Support Guideⓑ for 10 & 20 Lit

▶ Easy Installation & Remove, and Safety

▶ 0.5~20Lit Graduated Double-wall Vacuum Glass Vessel

■ *45° DN Flange & 5mm Thick High Boro-glass 3.3 with Good Physical, Chemical Properties.*
■ *PTFE Lid ; -80℃+260℃.* ■ *PTFE Drain Valve ; No-Dead Space.*
■ *Can be Used Direct Contact Thermo-Probe "K-type"*
∗ Work in Constant Pressure and Vacuum Degree below 0.095MPa in stationary.
∗ Cooling and Heating Solution in the Interlayer can be Completely Removed after Reaction.

▶ High-Torque Digital Agitator System, 50~1000rpm

■ *CE Certified.* ■ *with Certificate & Traceability : Controlled by Serial Number.*
■ *Patented Jog-Shuttle Control System.* ■ *PL (Product Liability) Insurance*
■ *With Safety Flex-Coupling between Stir-Motor and PTFE Shaft, PTFE Impeller.*
∗ Digital LCD with Back-Light Function. ∗ Smooth Start and Change of the Stirring Speed.
∗ Storage Function for the set values : RPM and Timer. ∗ Chuck - Corrosion Free.
∗ Locking Mode Supported for Experimental Safety (Input to Jog-Shuttle can be Disabled).

▶ Heavier-work Assembly Frame System ; Fully Adjustable

■ *Material : OD Φ27.2 × thick 1.5mm Stainless-steel Pipe.*
■ *With Heavy-duty Aluminium VESSEL SUSPENSION SUPPORT DEVICEⓐ ; Very Easy Vessel Exchange!*
■ *With Heavy-duty Stainless-steel SUPPORT Guideⓑ for the Bottom of 10 & 20Lit Vessels.*
∗ with 4 Castors including 2 Lockable Castors. ∗ Benchtop Frame(With Feet) Available.

Specification of (A) Reactor Set

Models		"REA-S0.5"	"REA-S1"	"REA-S2"	"REA-S3"	"REA-S5"	"REA-S10"	"REA-S20"
Jacket Vessel Volume		0.5Lit	1Lit	2Lit	3Lit	5Lit	10Lit	20Lit
Jacket Volume Approx.		0.2Lit	0.4Lit	0.8Lit	1.1Lit	1.2Lit	2.6Lit	5Lit
Vessel OD × h mm		130×140	130×210	160×250	160×340	215×370	250×480	300×630
Inner Vessel OD mm		105	105	130	130	185	215	250
Heat Hose Connector		GL18			GL25		GL32	
Drain Tube Size		od 15×id 10mm		od 18×id 13mm		od 24×id 19mm		
Digital Stirrer (Agitator)	Model, Control	Direct Controlled "SHT-50DX"						
	Viscosity & Torque	100,000 mPas / 300 Ncm						
	Speed	50~1,000 rpm, Resolution : 1 rpm-Display / 1 rpm-Control						
	Motor & Rating	Worm-Geared DC Motor (3.5:1 Ratio)						
		In · Output 83 / 75 W, 1 / 10 HP						
	Timer & Alarm	99hr 59min (with Continuous run.), Error status & Timer-end						
	Display	Digital LCD with Back-Light Function						
	Controller	Digital Feedback Controller with Jog Shuttle Switch (Turn + Push)						
Shaft / Impeller		Φ8/6 PTFE Encapsulated Stainless-steel Shaft			Φ10/8 PTFE Encapsulated Stainless-steel Shaft			
Safety Device		Overload & Heat Protector for Motor						
Power Consumption		85 W						
Dimension Overall		45×45×h75cm		45×45×h130cm		50×50×h150cm		55×55×h170
Power Supply		1 Phase, AC 230 V, 50 / 60 Hz						

Ordering for Suspended Reactor Set, without Circulator & Vacu-Pump

〈L1〉

Suspen-Reactor Model & Volume	Stirrer Torque and DN-Flange	(1) with Glass Lid, 5-Neck		(2) with PTFE Lid, 5-Neck	
		Cat. No.	Price, ₩	Cat. No.	Price, ₩
"REA-S0.5", 0.5 / 0.1Lit	300Ncm, DN 100	SL.Rea2481	5,382,550	SL.Rea2491	5,763,580
"REA-S1", 1 / 0.1Lit	〃 , 〃	SL.Rea2482	5,443,840	SL.Rea2492	5,825,800
"REA-S2", 2 / 0.2Lit	〃 , DN 120	SL.Rea2483	5,707,880	SL.Rea2493	6,125,400
"REA-S3", 3 / 0.5Lit	〃 , 〃	SL.Rea2484	5,725,600	SL.Rea2494	6,137,220
"REA-S5", 5 / 0.5Lit	〃 , DN 150	SL.Rea2485	6,440,040	SL.Rea2495	7,094,920
"REA-S10", 10 / 1Lit	〃 , DN 200	SL.Rea2486	9,164,480	SL.Rea2496	9,194,970
"REA-S20", 20 / 1Lit	〃 , 〃	SL.Rea2487	12,310,620	SL.Rea2497	12,341,090

※ **Note/ DN 200 Flanged PTFE Lid ; 6-Neck for 10 & 20 Lit Vessel**

※ Note!
▶ (B) & (C) Heat/Cool Circulators & Heat Transfer Fluid : See the "Reactor, Accessories".
▶ (D) Vacuum Pumps : See the "Pumps" Section.
▶ (E) PTFE Thermo-Probe "K-type" : See the Last Page of "Reactors" Section.

LaboRactor™ 2~50 Lit Mantle-Heated Reactor Set, with (1) Single-wall Glass Vessel "Kettle" or (2) Round Flask

With O-Ring Flange · PTFE Impeller · PTFE Drainvalve, Digital 50~1000rpm, **맨틀가열형 진공반응조 세트, 케틀 & 환형**



Ⅰ. M-Model Kettle-type Ⅱ. MR-Model R.Flask-type

■ *Supplied by DAIHAN Korea*



With Mantle Remote Controller

▶ DURAN-glass Single-wall Vacuum Glass Vessel

- ■ *Ideal for Lab, Pilot- & Mass-Production* ■ *-80℃+260℃ Stable.*
- ■ *Can be Used Direct Contact Thermo-Probe "K-type"*
- ■ *Single-wall Vacuum Glass Reaction Vessel System with DN Grooved Flange.*
- ■ *5mm Thick High Borosilicate Glass 3.3 with Good Physical, Chemical Properties.*

∗ Work in Constant Pressure and Vacuum Degree below 0.095MPa in stationary.

▶ Remote-controlled Heating Mantle & Upper Cover, 450℃

- ■ *With Digital Feedback Controller "WGD-30S" : Can be used PTFE External Direct Contact Thermo-Probe "K-type" (E) - Option.*
- ■ *(B) Fabric-housed Mantle Cover Available - Option*

▶ High-Torque Digital Agitator System, 50~1000rpm

- ■ *CE Certified* ■ *with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System*
- ■ *Patented Jog-Shuttle Control System* ■ *PL (Product Liability) Insurance*
- ■ *With Safety Flex-Coupling between Stir-Motor and PTFE Shaft, PTFE Impeller.*

Models	Ⅰ. Kettle-type	"REA-2M"	"REA-4M"	"REA-6M"	"REA-10M"	"REA-20M"	–
	Ⅱ. R.Flask-type	"REA-2MR"	"REA-3MR"	"REA-5MR"	"REA-10MR"	"REA-20MR"	"REA-50MR"
Vessel Work Volume	M-Model	2Lit	4/5Lit	6/7Lit	10/12Lit	20/21Lit	-
	MR-Model	2Lit	3Lit	5Lit	10Lit	20Lit	50Lit
Vessel od×h mm	M-Model	130×240	200×165	215×165	240×165	250×215	-
	MR-Model	165×215	185×240	225×280	280×350	350×430	480×650
Drain Tube Size		od 13×id 9mm	od 15×id 10mm	od18×id13mm			
Digital Stirrer (Agitator)	Model, Control	Direct Controlled "SHT-50DX"					Remote Cont. SHT-120T
	Viscosity & Torque	100,000 mPas					150,000 mPas
		300 Ncm					500 Ncm
	Speed	50~1,000 rpm, Resolution : 1 rpm-Display / 1 rpm-Control					
	Motor & Rating	Worm-Geared DC Motor (3.5:1 Ratio)					
		In · Output 83 / 75 W, 1 / 10 HP					130/120 W, 1 / 6 HP
	Timer & Alarm	99hr 59min (with Continuous run.), Error status & Timer-end					
	Display	Digital LCD with Back-Light Function					
	Controller	Digital Feedback Controller with Jog Shuttle Switch (Turn + Push)					
Heating Mantle		▶ Please Contact Your Distributor.					
Shaft / Impeller		Φ8/6 PTFE Encapsulated Stainless-steel Shaft		Φ10/8 PTFE Encapsulated Stainless-steel Shaft			Φ12/10 PTFE Shaft
Safety Device		Overload & Heat Protector for Motor					
Power Consumption		635W	885W	935W	1485W	2085W	4120W
Power Supply		1 Phase, AC 230 V, 50 / 60 Hz					

Mantle Heated Reactor Set, with (Ⅰ) "Kettle" Vessel or (Ⅱ) Round Flask



(1) Glass Lid
With 5 Joint Necks



(2) All PTFE Lid
With 6 Screwjoint Necks
◎ Top Safety : Non-Breakage, Anti-Chemical, & +280℃



(E) Option ; PTFE Thermo-Probe "K-type"

Ⅰ. M-model With 2~20Lit Single-Wall Vessel "Kettle-type", with PTFE Drain Valve ‹L1›

Mantle-heated Reactor Model & Volume	Mantle watts(W) and DN Flange	(1) with Glass Lid, 5 Neck		(2) with PTFE Lid, 5 Neck	
		Cat. No.	Price, ₩	Cat. No.	Price, ₩
"REA-2M", 2Lit	550W, DN100	SL.Rea2553	5,431,690	SL.Rea2563	5,769,640
"REA-4M", 4 / 5Lit	800W, DN150	SL.Rea2554	6,422,900	SL.Rea2564	7,001,330
"REA-6M", 6 / 7Lit	〃 , 〃	SL.Rea2555	6,674,950	SL.Rea2565	7,240,120
"REA-10M", 10 / 12Lit	1400W, 〃	SL.Rea2556	8,044,220	SL.Rea2566	8,139,250
"REA-20M", 20 / 22Lit	2000W, DN200	SL.Rea2557	9,311,090	SL.Rea2567	9,237,330

∗ PTFE DN 200 Flanged Lid : 6-neck for 20Lit vessel

Ⅱ. MR-model With 2~50Lit Round Bottom Flask, with PTFE Drain Valve

Mantle-heated Reactor Model & Volume	Mantle watts(W) and DN Flange	(1) with Glass Lid, 5 Neck		(2) with PTFE Lid, 5 Neck	
		Cat. No.	Price, ₩	Cat. No.	Price, ₩
"REA-2MR", 2Lit	450W, DN100	SL.Rea2573	5,272,820	SL.Rea2583	5,723,120
"REA-3MR", 3Lit	750W, DN120	SL.Rea2574	6,138,690	SL.Rea2584	6,589,700
"REA-5MR", 5Lit	850W, 〃	SL.Rea2575	6,539,030	SL.Rea2585	6,959,580
"REA-10MR", 10Lit	1500W, DN150	SL.Rea2576	7,596,850	SL.Rea2586	8,235,350
"REA-20MR", 20Lit	2000W, 〃	SL.Rea2577	8,585,700	SL.Rea2587	9,580,890
"REA-30MR", 30Lit	3500W, DN200	SL.Rea2579 NEW	12,414,450	SL.Rea2589 NEW	13,103,730
"REA-50MR", 50Lit	4000W, 〃	SL.Rea2578	14,708,270	SL.Rea2588	15,024,920

∗ PTFE DN 200 Flanged Lid : 6-neck for 30 & 50Lit vessel

※ The Price(VAT is extra) for Korean End-user, and Changeable.

DAIHAN® External / Internal High Temp Bath Circulator 250℃ & Refrigerated / Heating Bath Circulator −35℃+150℃
정밀 고온 배스겸용 써큘레이터와 냉동/가열 배스 겸용 써큘레이터

CE *up to 250℃*



2-Year Warranty

External / Internal High Temp Bath Circulator

CE *−35(−25)℃+150℃*



2-Year Warranty

External / Internal Refrigerated / Heating Bath Circulator

※ See the "Bath Circulators" Section for the Details.

250℃ External/Internal High-temp Bath Circulator, 8 · 12 · 22 · 30 Lit ..... P. 54
−25℃+150℃ External/Internal Refrigerated/Heating Bath Circulator, 8 · 12 · 22 · 30 Lit ..... P. 55
−35℃+150℃ External/Internal Refrigerated/Heating Bath Circulator, 8 · 12 · 22 · 30 Lit ..... P. 56



SK™ Best COOL-/HEAT-ing Transfer Fluid, Synthetic Silicone Mixture, −40℃+400℃, 20Lit
For Low/High-Temp Baths, Clearly Harmless Liquid, **냉매/열매 겸용 실리콘계 합성 열매체유**

■ ***Supplied by DAIHAN Korea***
∗ Colorless and Transparent Liquid.

■ ***The Best Circulation Properties / Thermal Stability.***
∗ Do not use for Silicone Tube

(1) SYN THERM 7008®, −40℃+400℃, 저/고온용

∗ Kinematic Viscosity, cSt ⇒ (1) −40℃ : 51.56cSt, (2) 0℃ : 16.08cSt, (3) 100℃ : 3.43cSt, (4) 200℃ : 1.36 cSt
∗ Specific Gravity : 0.9435 at 15℃ ∗ Flash Point(PMCC) : 168℃ ∗ Pour Point : −72℃ 〈L1〉

		Pk.	Price, ₩
SL.Syn7008	Cool/Heat Transfer Fluid, −40+400℃, 20Lit	20Lit	1,300,000

(2) SUPER THERM FG-20®, −10℃+300℃, 고온용

∗ Food Grade Thermal Medium Oil Satisfying FDA, NSF Standards
∗ Kinematic Viscosity, cSt ⇒ (1) 25℃ : 35.65cSt, (2) 100℃ : 4.23cSt, (3) 200℃ : 1.27 cSt
∗ Specific Gravity : 0.8374 at 15℃ ∗ Flash Point : 230℃ ∗ Pour Point : −15℃

		Pk.	Price, ₩
SL.Fg0020	Cool/Heat Transfer Fluid, −10+300℃, 20Lit	20Lit	320,000



SHL™ SYN THERM 22L® −5℃+320℃ Heating Transfer Fluid
Synthetic Alkylbenzene Derivative, for Low- & High-Temp Circulation, **알킬벤젠계 합성열매**

■ ***Supplied by DAIHAN Korea***
∗ Hazards Identification of MSDS(Material Safety Data Sheet) :
- H315 Causes Skin Irritation
- H319 Causes Serious Eye Irritation
- H335 May Cause Respiratory Irritation
- H336 May Cause Drowsiness or Dizziness

∗ Kinematic Viscosity & Density :
(1) at 0℃ : 22.7cSt, 0.885kg/ℓ (2) at 40℃ : 21.80cSt, 0.859kg/ℓ (3) at 80℃ : 6.09cSt, 0.834kg/ℓ
(4) at 140℃ : 6.09cSt, 0.795kg/ℓ (5) at 200℃ : 1.10cSt, 0.756kg/ℓ (6) at 260℃ : 0.74cSt, 0.718kg/ℓ 〈L1〉

		Pk.	Price, ₩
SL.SYN22L	SYN THERM 22L® Heating Transfer Fluid, -5℃+320℃, 20Lit	20Lit	145,000

DAIHAN® −30℃+200℃ Precise Refrigerated Heating External Circulator "CRH", Fill-10 · 18 · 25 Lit

Ideal for Evaporator/Reactor &c. Heating & Cooling Line, with Pre-Cooling Sys, Used with External Direct Contact K-type Temp. Probe(Optional)
With High Quality Magnetic Pump, Flow 20 · 40 · 60 Lit/min, Lift 38m, ±0.2℃, **정밀 고온/냉동 겸용 외부 써큘레이터**



2-Year Warranty

- ■ *Supplied by DAIHAN Korea* ■ *PL (Product Liability) Insurance* ■ *Max. Lift : 38m*
- ■ *with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System*
- ■ *Digital Fuzzy Control System Implementing Superior Temperature Accuracy*
- ■ *Patented Jog-Dial Control System and Digital LCD with Back-Light Function.*
- ∗ Innovated Powerful Circulation Pump ensures Temp. Uniformity : Internal and External Circulation (Max Flow Rate : 20 · 40 · 60 Lit/min)
- ∗ Assembly-type Safety Connection Ports/Pipe (for Fluid Drain/In/Out-let : ISO RC 1/2" Screw Stainless-steel.)
- ∗ With High Quality Shock-proof Caster for Convenient and Safe Moving.
- ∗ Embedded External Nozzle Part for the Prevention of Nozzle Damaged.
- ∗ Stainless-steel Internal Bath for Prevention of Corrosion.
- ∗ Independently 3-systems : Refrigerating System, Heating System, Pre-Cooling System.
- ∗ Urethane Foam Insulation ∗ Warning and Auto-Stop Function in case of Liquid Shortage.
- ∗ More Faster Cool-down and Heat-up Time ∗ Connection with Evaporator or Viscometer is applicable.
- ∗ 외부 순환을 위한 추가 커넥터가 필요합니다. (ex. PT 1/2' Hose nipple Connector)


Connection Ports

Specifications & Ordering information

〈L1〉

Spec. \ Model		"CRH-20" Useful for 5~20Lit Reactor	"CRH-50" Useful for 20~50Lit Reactor	"CRH-100" Useful for 50~100Lit Reactor
Temp. Range & Stability		−30℃+200℃-Range, ±0.2℃(at 15℃)-Stability		
Heat-Fluid Filling Volume		10 Lit max	18 Lit max	25 Lit max
Useful for 5~100Lit Reactors		for 5~20Lit Reactor	for 20~50Lit Reactor	for 50~100Lit Reactor
Refrigerator Capacity		4.5 kW	7.5 kW	18 kW
Heater		2.5 kW	6.0 kW	12 kW
Lid & Top Opening Dia.		Φ80 mm		
Fluid Drain/In/Outlet Port		ISO RC 1/2" (English System AG 1/2") Thread, Stainless-steel		
Overflow Port		Φ12mm One-Touch Fitting		
Pump Power, Lift Height, m	Max. Flow Rate	20 Lit/min	40 Lit/min	60 Lit/min
	Max. Pressure & Lift	Max Pressure : 4 bar, Max. Lift : 38m		
Cooling Capacity	at +15℃	8.1 kW	13.1 kW	22.7 kW
	at 0℃	4.3 kW	7.3 kW	12.6 kW
	at −25℃	1.4 kW	3.1 kW	5.45 kW
External Dimension		600×850×h1200mm	650×900×h1350mm	750×900×h1450mm
Optional External Temp. Sensor K-type Probe		Can be used with External Direct Contact K-type Temp. Probe. (Optional)		
Material		Internal : Stainless-steel, External : Powder Coated steel		
Electrical Reqts.		3Phase 380V		
Cat. No.	60Hz	DH.WHR0020	DH.WHR0050	DH.WHR0100
	50Hz	DH.WHR0025	DH.WHR0055	DH.WHR0150
Price, Each. ₩		12,018,000	14,108,000	18,810,000

∗ Other Specifications are available upon Customer's Request.

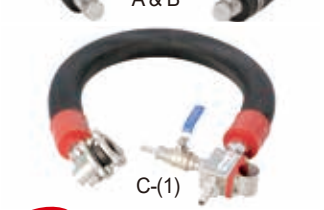
※ 운임 별도



Fig. "CRH" in the Reactor System.

※ Note : Cooling Transfer Fluid Should be an Antifreezing Solution


A & B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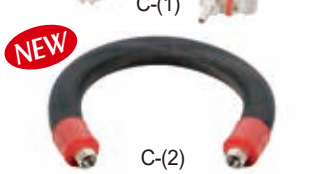
NEW


C-(2)

Insulated Circulation Hose, Silicone · Teflon PFA or PTFE · Stainless-steel, Id Φ10~19mm, L1 & 1.5m

■ *Supplied by SciLab Korea* ∗ A & B Φ37mm Black EPDM Foam Insulated ∗ Silicone Vacu-Hose : id 10×od 13mm, id 15×od 20mm, id 18×od 24mm, 200℃ ∗ PFA Hose : id 10×od 12mm ∗ PTFE Hose : id 15×od 16mm, id 19×od 21mm, −100℃+260℃ ∗ Stainless-steel(SS 304) Hose : id 17×od 60mm, 360℃, Silicone Foam & Black Woven Nylon Mesh Insulated

A. Insulated Silicone Hose, 200℃

〈L1〉

		dh	Pk.	Price,₩
SL.Tub4021	Sili-hose, id 10mm, L1m	1m		23,050
SL.Tub4022	, L1.5m	1.5m		26,050
SL.Tub4023	, id 15mm, L1m	1m		30,900
SL.Tub4024	, L1.5m	1.5m		37,530
SL.Tub4025	, id 18mm, L1m	1m		37,800
SL.Tub4026	, L1.5m	1.5m		48,980

B. Insulated PFA or PTFE Hose, 260℃

		dh	Pk.	Price,₩
SL.Tub4031	PFA-hose, id 10mm, L1m	1m		35,080
SL.Tub4032	, L1.5m	1.5m		43,400
SL.Tub4033	PTFE-hose, id 15mm, L1m	1m		36,630
SL.Tub4034	, L1.5m	1.5m		46,400
SL.Tub4035	, id 19mm, L1m	1m		46,330
SL.Tub4036	, L1.5m	1.5m		47,970

C. Best Insulated & Stainless-steel Bellows(Flexible) Hose, SS 304, 360℃

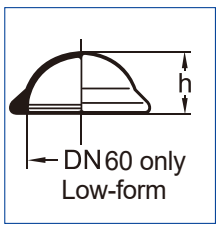
		Ea.	Price,₩
SL.Tub7021	(1) Stainless-steel Bellows Hose, id 17mm, L1m, with Connector		984,890
SL.Tub7021.A01	(2) , for Extension, without Connector *New*		317,150

※ See the Preceding Page for Cooling / Heating Transfer Fluid

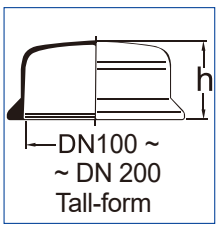
※ The Price(VAT is extra) for Korean End-user, and Changeable.

1~5 Necks DURAN-glass 45° DN-Standard Flange Lid, for Reaction Vessels, Joint 14/23, 24/40, and 34/45

With Perfect Compatibility, Chemical & Heat-Resistant, 45° DN-표준 플랜지 반응조 뚜껑, 완벽한 호환성



A. DN 60 Flange Blank Lid Low-form



B.~ E. DN 100~DN 200 Flange Blank Lid Tall-form

- ***Supplied by SciLab Korea.***
- ***Chemical Resistance : Class-A2 & S1 to Alkali & Acid, and HGB-1 Hydrolytic Class.***
- ***Heat Resistance : (1) 1260℃/Working Point, (2) 825℃/Softening Point, (3) 560℃/Annealing Point***

▶ The Specification of 45° DN-Standardized / Strong Flanges : 5-Ranges

A. DN 60 Flange : id Φ60 ×od Φ100mm
B. DN 100 Flange : id Φ100×od Φ138mm
C. DN 120 Flange : id Φ120×od Φ158mm
D. DN 150 Flange : id Φ150×od Φ184mm
E. DN 200 Flange : id Φ200×od Φ242mm





SciLab® 1 & 2-neck Lids

(1) SciLab® 1-socket Neck Lids, 45° DN-Flanged

〈L1〉

Cat. No	DN Flange	Center neck	Price Ea.₩
SL.Re2001	DN 60	14/23	87,850
SL.Re2002		24/40	87,570
SL.Re2003	DN 100	24/40	146,970
SL.Re2004		34/45	147,850
SL.Re2005	DN 120	24/40	165,670
SL.Re2006		34/45	173,150
SL.Re2007	DN 150	24/40	208,570
SL.Re2008		34/45	220,450

(2) SciLab® 2-socket Necks Lids, 45° DN-Flanged

Cat. No	DN Flange	Center neck	Side neck 15° angle	Price Ea.₩
SL.Re2011	DN 60	14/23	14/23	98,700
SL.Re2012		24/40	24/40	98,130
SL.Re2013	DN 100	24/40	24/40	157,530
SL.Re2014		34/45	24/40	165,000
SL.Re2015	DN 120	24/40	24/40	182,830
SL.Re2016		34/45	24/40	190,300
SL.Re2017	DN 150	24/40	24/40	223,530
SL.Re2018		34/45	24/40	231,000



(3) SciLab® 3-neck Lid Tall-form 45° DN-Flange Lids. 15° angle or Vertical Side-neck

(3) SciLab® 3-socket Necks 45° DN-Flange Lids, with DN60 ~ DN200-Flanges, 15° Angle or Vertical Side-necks

		Ea.	Price, ₩
SL.Re2021	**DN 60**-Flange Lid, 3-neck, Center-24/40, 2×15° Side 14/23		118,050
SL.Re2022	, 2×15° Side 24/40		117,490
SL.Re2023	**DN 100**-Flange Lid, 3-neck, Center-24/40, 2×15° Side 14/23		177,450
SL.Re2024	, 2×15° Side 24/40		176,890
SL.Re2025	-34/45, 2×15° Side 24/40		184,370
SL.Re2026	**DN 120**-Flange Lid, 3-neck, Center-24/40, 1×15° Side 24/40, 1×Vertical 24/40		202,190
SL.Re2027	, 2×15° Side 24/40		202,190
SL.Re2028	-34/45, 1×15° Side 24/40, 1×Vertical 24/40		207,470
SL.Re2029	, 2×15° Side 24/40		207,470
SL.Re2031	**DN 150**-Flange Lid, 3-neck, Center-24/40, 1×15° Side 24/40, 1×Vertical 24/40		238,490
SL.Re2032	, 2×15° Side 24/40		238,490
SL.Re2033	-34/45, 1×15° Side 24/40, 1×Vertical 24/40		250,370
SL.Re2034	, 2×15° Side 24/40		250,370
SL.Re2035	**DN 200**-Flange Lid, 3-neck, Center-24/40, 1×15° Side 24/40, 1×Vertical 24/40		429,890
SL.Re2036	, 2×15° Side 24/40		429,890
SL.Re2037	-34/45, 1×15° Side 24/40, 1×Vertical 24/40		452,770
SL.Re2038	, 2×15° Side 24/40		452,770

<Continued On Next Page>

Articles	Cat. No	Description

<*Continued From...* 1~5 Necks DURAN-glass 45° DN-Standard Lid>

4 & 5 Necks DURAN-glass 45° DN-Standard Flange Lid, for Reaction Vessels, Joint 14/23, 24/40, and 34/45

With Perfect Compatibility, Chemical & Heat-Resistant, 45° DN-표준 플랜지 반응조 뚜껑, 완벽한 호환성

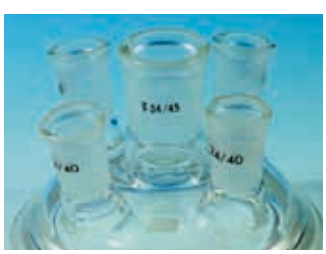

(4)

- ***Supplied by SciLab Korea.***
- ***Chemical Resistance : Class-A2 & S1 to Alkali & Acid, and HGB-1 Hydrolytic Class.***
- ***Heat Resistance : (1) 1260℃/Working Point, (2) 825℃/Softening Point, (3) 560℃/Annealing Point***

(4) SciLab® 4-socket Necks 45° DN-Flange Lids, with DN60~DN200-Flanges, 15° Angle or Vertical Side-necks

<L1>

		Ea.	Price, ₩
SL.Re2041	**DN 60**-Flange Lid, 4-neck, Center-24/40, 2×15° Side 14/23, 1×Vertical 14/23		133,300
SL.Re2042	, 2×15° Side 24/40, 1×Vertical 14/23		132,730
SL.Re2044	**DN 100**-Flange Lid, 4-neck, Center-24/40, 2×15° Side 24/40, 1×Vertical 24/40		187,450
SL.Re2045	, 3×15° Side 24/40		187,450
SL.Re2048	-34/45, 2×15° Side 24/40, 1×Vertical 24/40		192,730
SL.Re2049	, 3×15° Side 24/40		192,730
SL.Re2051	**DN 120**-Flange Lid, 4-neck, Center-24/40, 2×15° Side 24/40, 1×Vertical 24/40		217,150
SL.Re2052	, 3×15° Side 24/40		217,150
SL.Re2055	-34/45, 2×15° Side 24/40, 1×Vertical 24/40		222,430
SL.Re2056	, 3×15° Side 24/40		222,430
SL.Re2061	**DN 150**-Flange Lid, 4-neck, Center-24/40, 2×15° Side 24/40, 1×Vertical 24/40		264,450
SL.Re2062	, 3×15° Side 24/40		264,450
SL.Re2065	-34/45, 2×15° Side 24/40, 1×Vertical 24/40		276,330
SL.Re2066	, 3×15° Side 24/40		276,330
SL.Re2071	**DN 200**-Flange Lid, 4-neck, Center-24/40, 2×15° Side 24/40, 1×Vertical 24/40		506,890
SL.Re2072	, 3×15° Side 24/40		506,890
SL.Re2075	-34/45, 2×15° Side 24/40, 1×Vertical 24/40		532,920
SL.Re2076	, 3×15° Side 24/40		532,920



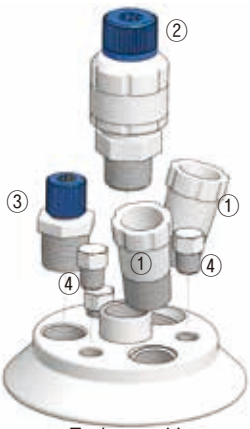
(5) SciLab® 5-socket Necks 45° DN-Flange Lids, with DN100 ~ DN200-Flanges, 15° Angle or Vertical Side-necks

		Ea.	Price, ₩
SL.Re2085	**DN 100**-Flange Lid, 5-neck, Center-24/40, 3×15° Side 24/40, 1×Vertical 24/40		202,400
SL.Re2086	, 4×15° Side 24/40		202,400
SL.Re2088	-34/45, 3×15° Side 24/40, 1×Vertical 24/40		209,890
SL.Re2089	, 4×15° Side 24/40		209,890
SL.Re2091	**DN 120**-Flange Lid, 5-neck, Center-24/40, 3×15° Side 24/40, 1×Vertical 24/40		232,100
SL.Re2092	, 4×15° Side 24/40		232,100
SL.Re2095	-34/45, 3×15° Side 24/40, 1×Vertical 24/40		239,590
SL.Re2096	, 4×15° Side 24/40		239,590
SL.Re2101	**DN 150**-Flange Lid, 5-neck, Center-24/40, 3×15° Side 24/40, 1×Vertical 24/40		279,400
SL.Re2102	, 4×15° Side 24/40		279,400
SL.Re2105	-34/45, 3×15° Side 24/40, 1×Vertical 24/40		291,290
SL.Re2106	, 4×15° Side 24/40		291,290
SL.Re2111	**DN 200**-Flange Lid, 5-neck, Center-24/40, 3×15° Side 24/40, 1×Vertical 24/40		585,200
SL.Re2112	, 4×15° Side 24/40		583,000
SL.Re2115	-34/45, 3×15° Side 24/40, 1×Vertical 24/40		614,690
SL.Re2116	, 4×15° Side 24/40		614,690
SL.Re2118	, 1×34/45, 2×15° Side 24/40, 1×Vertical 24/40 ***New***		662,430

※ The Price(VAT is extra) for Korean End-user, and Changeable.

4~6 Necks All PTFE 45° DN-Standard Flanged Reactor Lid, with Assembly Screw Taper Socket Joint, DN60~DN200 Flanged Common Use "ASTM & DIN" Cone Jointware, <UK-Made> PTFE 45° DN-표준 플랜지 반응조 안전 뚜껑





Exchangeable

▶ Top-Safety : Non-Breakage / Non-Scratch / Chemically Inert / 280℃ stable
▶ Exchangeable Screw NPT : ① Joints / ② Stirrer Guides / ③ Fittings (ex.Temp-Adapters) / ④ Blanking Nut Stoppers, etc.
▶ It could change with Socket Joint or any Fittings which have Same Size Screw NPT.
▶ These Safety PTFE Lids are compatible with DURAN® 45° Flange-type DN-60/-100/-120/-150 & DN200 Flanged Glass Vessels and DN Quick Release Clamps perfectly.

- ***PTFE is Pure, Virgin Material, which conforms to FDA and USP Class VI Requirements.***
- ***Common Use with ASTM & DIN Cone Jointware of 14/-, 19/-, 24/-, 29/-, 34/-, and 45/-***
- ***Screw-in Assembly of Fittings to give Flexibility, Versatility and Significant Cost Saving***
- ***All Fittings are Interchangeable for the same Thread Sizes. : Joints, Compression Screw Fittings, Blanking Nut Stoppers, Stirrer Guide, etc.***
- ***The PTFE Lid fit Vessels with DURAN® type DN 60, 100, 120, 150 and DN 200 Flange Vessels & Quick Release Clamps.***

∗ Can accommodate all usual Ancillary Equipment, Condensers, Probes, etc.
∗ Improved Durability and Safety compared to Conventional Glass Lids
∗ Improved Thermal Insulation and Reduced Condensation
∗ Standard Reactor Lids fit Vessels with 60, 100, 150 and 200mm DURAN® type Flanges.

▶ The Specification of 45° DN-Standardized / Strong Flanges : 5-Ranges, DIN/ISO

A. DN 60 Flange : id Φ60 ×od Φ100mm
B. DN 100 Flange : id Φ100×od Φ138mm
C. DN 120 Flange : id Φ120×od Φ158mm
D. DN 150 Flange : id Φ150×od Φ184mm
E. DN 200 Flange : id Φ200×od Φ242mm



(1) DN 60/45° Flanged PTFE 4-neck Reactor Lid, 3×Joint 24/- & 1×Joint 14/- Screw Sockets (0.5″ NPT)

∗ Pre-assembled Reactor Lid to Fit **DURAN® DN60/45° Flange "id 60×od 100mm" Type.**
∗ The Screw Socket Joints are Removable & Exchangeable ⇒ All Fittings for Same Screw NPT size.
∗ Suitable for ASTM & DIN Joint Cones = Common Use : 24/40 & 24/29 and 14/35 &14/23 Cone Jointware

〈L1〉

SL.Rea4011 **PTFE Reactor Lid, DN60**, 4-Screw Sockets : 3×24/- & 1×14/- **Price/Ea.** ₩ 363,930

Lid Base	Screw Neck Size, inch NPT	Neck Place Type	Pre-Assembled Socket and Usage in ASTM & DIN Cones	Optional/Exchangeable Joints & Fittings in Same Screw NPT Size
Centre Neck	0.5″ NPT	Vertical	24/- Screw Taper Socket : Common Use-24/40 & 24/29 Cones	① Socket Joint : (14/-), 19/-, (24/-), & 29/- ③ Screw Clamping Holders, Bore Φ6~14mm and Stopper Plugs ④ Blanking Nut Stoppers ⑤ Screw-Extension Adapter NPT-Male 0.5″& Female 0.75″and then ② Stirrer Guides for Φ8~10mm Shafts
Side Neck-1	0.5″ NPT	10°&10° Compound Angle	24/- Screw Taper Socket : Common Use-24/40 & 24/29 Cones	
Side Neck-2	0.5″ NPT	10°&10° Compound Angle	24/- Screw Taper Socket : Common Use-24/40 & 24/29 Cones	
Side Neck-3	0.5″ NPT	10°&10° Compound Angle	14/- Screw Taper Socket : Common Use-14/35 & 14/23 Cones	



(2) DN 100/45° Flanged PTFE 5-neck Reactor Lid, 5×Joint 24/- Screw Sockets (0.75″ NPT)

∗ Pre-assembled Reactor Lid to Fit **DURAN® DN100/45° Flange "id 100×od 138mm" Type.**
∗ The Screw Socket Joints are Removable & Exchangeable ⇒ All Fittings for Same Screw NPT size.
∗ Suitable for ASTM & DIN Joint Cones = Common Use : 24/40 & 24/29 Cone Jointware

〈L1〉

SL.Rea4013 **PTFE Reactor Lid, DN100**, 5-Screw Sockets : 5×24/- **Price/Ea.** ₩ 587,690

Lid Base	Screw Neck Size, inch NPT	Neck Place Type	Pre-Assembled Socket and Usage in ASTM & DIN Cones	Optional/Exchangeable Joints & Fittings in Same Screw NPT Size
Centre Port	0.75″ NPT	Vertical	24/- Screw Taper Socket : Common Use-24/40 & 24/29 Cones	① Socket Joint : (24/-), 29/-, (34/-), & 45/- ② Stirrer Guides for Φ8~10mm Shafts ③ Screw Clamping Holders, Bore Φ6~14mm and Stopper Plugs ④ Blanking Nut Stoppers ⑤ Screw-Extension Adapter NPT-Male 0.75″ & Female 1″
Side Neck-1	0.75″ NPT	Vertical	24/- Screw Taper Socket : Common Use-24/40 & 24/29 Cones	
Side Neck-2	0.75″ NPT	10° Angle	24/- Screw Taper Socket : Common Use-24/40 & 24/29 Cones	
Side Neck-3	0.75″ NPT	10° Angle	24/- Screw Taper Socket : Common Use-24/40 & 24/29 Cones	
Side Neck-4	0.75″ NPT	10°&10° Compound Angle	24/- Screw Taper Socket : Common Use-24/40 & 24/29 Cones	

<*Continued On Next Page*>

Articles	Cat. No	Description

<*Continued From...* 4~6 Necks All PTFE 45° DN-Standard Flange Reactor Lids>



(3) DN 120/45° Flanged PTFE 5-neck Reactor Lid, 1×Joint 34/- & 4×Joint 24/- Screw Sockets (0.75″ NPT)

∗ Pre-assembled Reactor Lid to Fit **DURAN® DN120/45° Flange "id 120×od 158mm" Type.**
∗ The Screw Socket Joints are Removable & Exchangeable ⇒ All Fittings for Same Screw NPT size.
∗ Suitable for ASTM & DIN Joint Cones = Common Use : 34/45 & 34/35 and 24/40 & 24/29 Cones

〈L1〉

SL.Rea4015 **PTFE Reactor Lid, DN120**, 5-Screw Sockets : 1×34/- & 4×24/- **Price/Ea.** ₩ 674,080

Lid Base	Screw Neck Size, inch NPT	Neck Place Type	Pre-Assembled Socket and Usage in ASTM & DIN Cones	Optional/Exchangeable Joints & Fittings in Same Screw NPT Size
Centre Port	1″ NPT	Vertical	34/- Screw Taper Socket : Common Use-34/45 & 34/35 Cones	① Socket Joint : (24/-), 29/-, (34/-), & 45/- ② Stirrer Guides for Φ8~10mm Shafts ③ Screw Clamping Holders, Bore Φ6~14mm and Stopper Plugs ④ Blanking Nut Stoppers ⑤ Screw-Extension Adapter NPT-Male 0.75″ & Female 1″
Side Neck-1	0.75″ NPT	Vertical	24/- Screw Taper Socket : Common Use-24/40 & 24/29 Cones	
Side Neck-2	0.75″ NPT	10° Angle	24/- Screw Taper Socket : Common Use-24/40 & 24/29 Cones	
Side Neck-3	0.75″ NPT	10° Angle	24/- Screw Taper Socket : Common Use-24/40 & 24/29 Cones	
Side Neck-4	0.75″ NPT	10°&10° Compound Angle	24/- Screw Taper Socket : Common Use-34/45 & 34/35 Cones	



(4) DN 150/45° Flanged PTFE 5-neck Reactor Lid, 3×Joint 24/-, 1×Joint 34/- & 1×Joint 45/- Screw Sockets (1″ NPT)

∗ Pre-assembled Reactor Lid to Fit **DURAN® DN150/45° Flange "id 150×od 184mm" Type.**
∗ Suitable for ASTM & DIN Joint Cones = Common Use : 34/45 & 34/35, 24/40 & 24/29 and 45/50 & 45/40 Cones
∗ The Screw Socket Joints are Removable & Exchangeable ⇒ All Fittings for Same Screw NPT size.

〈L1〉

SL.Rea4017 **PTFE Reactor Lid, DN150**, 5-Screw Sockets : 3×24/-, 1×34/- & 1×45/- **Price/Ea.** ₩ 944,980

Lid Base	Screw Neck Size, inch NPT	Neck Place Type	Pre-Assembled Socket and Usage in ASTM & DIN Cones	Optional/Exchangeable Joints & Fittings in Same Screw NPT Size
Centre Port	1″ NPT	Vertical	34/- Screw Taper Socket : Common Use-34/45 & 34/35 Cones	① Socket Joint : (24/-), 29/-, (34/-), & 45/- ② Stirrer Guides for Φ8~10mm Shafts ③ Screw Clamping Holders, Bore Φ6~14mm and Stopper Plugs ④ Blanking Nut Stoppers ⑤ Screw-Extension Adapter NPT-Male 1″ & Female 1.5″
Side Neck-1	1″ NPT	Vertical	24/- Screw Taper Socket : Common Use-24/40 & 24/29 Cones	
Side Neck-2	1″ NPT	Vertical	24/- Screw Taper Socket : Common Use-24/40 & 24/29 Cones	
Side Neck-3	1″ NPT	10° Angle	45/- Screw Taper Socket : Common Use-45/50 & 45/40Cones	
Side Neck-4	1″ NPT	10°&10° Compound Angle	24/- Screw Taper Socket : Common Use-24/40 & 24/29 Cone	



2-Kind of 6-Neck

ⓐ Basic-type
24/-, 1″ NPT-Aperture
; Condenser Connection

ⓑ Wide Condensing-type
34/-, 1.5″ NPT-Aperture
; Condenser Connection

(5) DN 200/45° Flanged PTFE 6-neck Reactor Lid, 3 or 4×Joint 24/-, 1 or 2×Joint 34/- & 1×Joint 45/- Screw Sockets

∗ Pre-assembled Reactor Lid to Fit **DURAN® DN200/45° Flange "id 200×od 242mm" Type.**
∗ Suitable for ASTM & DIN Joint Cones = Common Use : 34/45 & 34/35, 24/40 & 24/29 and 45/50 & 45/40 Cones
∗ The Screw Socket Joints are Removable & Exchangeable ⇒ All Fittings for Same Screw NPT size.

〈L1〉

ⓐ SL.Rea4019 **PTFE Reactor Lid, DN200**, 6-Screw Sockets : 4×24/-, 1×34/- & 1×45/- **Price/Ea.** ₩ 1,073,830
ⓑ SL.Rea4020 : 3×24/-, 2×34/- & 1×45/- **Price/Ea.** ₩ 1,387,030

Lid Base	Screw Neck Size, inch NPT	Neck Place Type	Pre-Assembled Socket and Usage in ASTM & DIN Cones	Optional/Exchangeable Joints & Fittings in Same Screw NPT Size
Centre Port	1″ NPT	Vertical	34/- Screw Taper Socket : Common Use-34/45 & 34/35 Cones	① Socket Joint : (24/-), 29/-, (34/-), & 45/- ② Stirrer Guides for Φ8~10mm Shafts ③ Screw Clamping Holders, Bore Φ6~14mm and Stopper Plugs ④ Blanking Nut Stoppers ⑤ Screw-Extension Adapter NPT-Male 1″ & Female 1.5″
Side Neck-1	1″ NPT	Vertical	24/- Screw Taper Socket : Common Use-24/40 & 24/29 Cones	
Side Neck-2	1″ NPT	Vertical	24/- Screw Taper Socket : Common Use-24/40 & 24/29 Cones	
Side Neck-3	1″ NPT	10° Angle	ⓐ 24/- Screw Taper Socket : Common Use-24/40 & 24/29 Cones	
	1.5″ NPT		ⓑ 34/- Screw Taper Socket : Common Use-34/45 & 34/35 Cones	
Side Neck-4	1″ NPT	10°&10° Compound Angle	24/- Screw Taper Socket : Common Use-24/40 & 24/29 Cone	
Side Neck-5	1.5″ NPT	10°Angle	45/- Screw Taper Socket : Common Use-45/50 & 45/40 Cone	

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



Exchangeable
NPT-PTFE Screw
Taper Socket Joints

Cowie® Accessory NPT-PTFE Screw Standard Taper Socket Joint for PTFE Reactor Lids

Suitable for "ASTM & DIN" Cone Jointware, <UK-Made> PTFE 반응조 뚜껑용 NPT스크류 표준 소켓 조인트

- ***Fit to the Same Screw NPT Necks of PTFE Reactor Lids: Easy Exchangeable***
- ***Pure / Chemically Resistant / Cleanable / Durable / Non-Breakage / Non-scratch / 280℃ stable***

(1) For DN60-Flanged Lid, with 0.5″ NPT Screw Necks, Joint 14/- ~ 29/-

		<L1> Ea. Price,₩
CW.PC711.1413	PTFE Screw Socket, 0.5″ NPT, 14/-, for 14/35 & 14/23 Cones, Φ22×h45mm	28,770
CW.PC711.1913	, 19/-, for 19/38 & 19/26 Cones, Φ27×h50mm	33,750
CW.PC711.2413	, 24/-, for 24/40 & 24/29 Cones, Φ34×h67mm	40,740
CW.PC711.2913	, 29/-, for 29/42 & 29/32 Cones, Φ40×h68mm	58,780

(2) For DN100 & 120-Flanged Lid, with 0.75″ NPT Screw Necks, Joint 19/- ~ 34/-

		Ea. Price,₩
CW.PC711.1919	PTFE Screw Socket, 0.75″ NPT, 19/-, for 19/38 & 19/26 Cones, Φ27×h55mm	35,850
CW.PC711.2419	, 24/-, for 24/40 & 24/29 Cones, Φ34×h55mm	41,900
CW.PC711.2919	, 29/-, for 29/42 & 29/32 Cones, Φ40×h68mm	61,970
CW.PC711.3419	, 34/-, for 34/45 & 34/35 Cones, Φ47×h75mm	77,600

(3) For DN150 & 200-Flanged Lid, with 1″ NPT Screw Necks, Joint 24/- ~ 45/-

		Ea. Price,₩
CW.PC711.2425	PTFE Screw Socket, 1″ NPT, 24/-, for 24/40 & 24/29 Cones, Φ34×h60mm	47,720
CW.PC711.2925	, 29/-, for 29/42 & 29/32 Cones, Φ40×h60mm	54,280
CW.PC711.3425	, 34/-, for 34/45 & 34/35 Cones, Φ47×h75mm	82,880
CW.PC711.4525	, 45/-, for 45/50 & 45/40 Cones, Φ58×h90mm	115,830

(4) For DN200-Flanged Lid, with 1.5″ NPT Screw Necks, Joint 24/- ~ 45/-

		Ea. Price,₩
CW.PC711.2438	PTFE Screw Socket, 1.5″ NPT, 24/-, for 24/40 & 24/29 Cones, Φ48×h55mm	71,070
CW.PC711.2938	, 29/-, for 29/42 & 29/32 Cones, Φ48×h55mm	72,600
CW.PC711.3438	, 34/-, for 34/45 & 34/35 Cones, Φ48×h55mm	70,480
CW.PC711.4538	, 45/-, for 45/50 & 45/40 Cones, Φ61×h80mm	99,570



(1), (2), (3)
NPT Holder Set



Internal
Clamping Structure

Cowie® Accessory NPT-PTFE Screw Clamping Holder, Grip Bore Φ7~19mm for Rod & Tubing

Ideal for Thermometer/Probe · Sampling Tube · Inert Gas Tube, &c., <UK-Made> 스크류 그립 홀더, 온도계/샘플튜브등 다용도

∗ Consist of PTFE Bored Body and Replacement Seal Pack of Screw Clamp Nut / PEEK "Olive" Grip Ring / Bored Cone Nut

(1) 0.5″ NPT Holder Set, Bore Φ7~12mm

		<L1> Set. Price,₩
CW.701.050.07	0.5″ NPT Holder Set, Φ7mm Bore	27,180
CW.701.050.08	, Φ8mm Bore	25,790
CW.701.050.09	, Φ9mm Bore	35,470
CW.701.050.12	, Φ12mm Bore	27,980

(2) 0.75″ NPT Holder Set, Bore Φ8~16mm

		Set. Price,₩
CW.701.075.08	0.75″ NPT Holder Set, Φ8mm Bore	28,330
CW.701.075.09	, Φ9mm Bore	28,780
CW.701.075.12	, Φ12mm Bore	31,890

(3) 1″ NPT Holder Set, Bore Φ8~19mm

		Set. Price,₩
CW.701.100.08	1″ NPT Holder Set, Φ8mm Bore	36,760
CW.701.100.09	, Φ9mm Bore	36,580
CW.701.100.12	1″ NPT Holder Set, Φ12mm Bore	38,220
CW.701.100.19	, Φ19mm Bore	58,100

Articles	Cat. No	Description



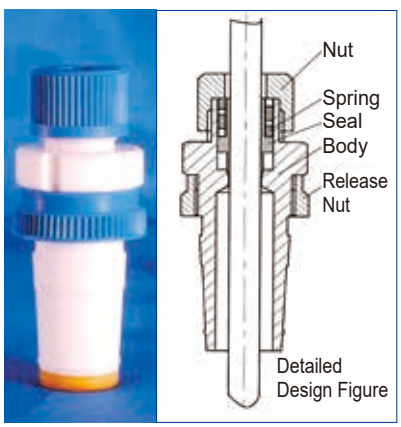
Cowie® NPT-PTFE Blanking Nut Stopper, Used to Seal Unused Blank Neck Ports of PTFE Lids, 0.5″~1.5″ NPT
For Sealing of Unused/Blank Neck Ports of PTFE Reactor Lids, <UK-Made> PTFE 반응조 커버의 Blank Neck용 마개

■ ***PTFE 반응조 뚜껑에서 사용하지 않는 Neck Port를 완전히 막아주는 스크류 NPT 마개임***
∗ Used to Seal Unused / Blank Neck Ports of PTFE Reactor Lids

〈L1〉

		Ea.	Price,₩
CW.702.050	PTFE Blanking Nut Stopper, 0.5″ NPT		12,630
CW.702.075	, 0.75″ NPT		19,150
CW.702.100	, 1″ NPT		26,520
CW.702.150	, 1.5″ NPT		51,630

Cowie® Taper Joint-PTFE/PEEK High-class Vacuum Stirrer Guide, with ASTM/DIN Glass Cone Joint, for Φ8~16mm Shafts
Ideal for Middle/Low-Vacuum, Max-800rpm, Chemically Inert, −200℃+280℃ stable, <UK-Made> 고품질 진공 조인트 교반씰



High Performance Shaft Guides

■ ***Suitable for Glass Same Size Socket of ASTM or DIN***
∗ with an Adjustable / Replaceable Compression Seal Sizes ; for Φ8~Φ16mm Shafts
∗ PTFE in the only Media Contact Material

〈L1〉

(1) for ASTM Socket Joint, for Φ8~Φ16mm Shaft

		Ea.	Price,₩
CW.005.0.0824	Stirrer Seal, USA-type, for-Φ8mm Shafts , 24/40 Joint		243,040
CW.005.0.1024	-Φ10mm Shafts, 24/40 Joint		243,040
CW.005.0.1034	-Φ10mm Shafts, 34/45 Joint		263,280
CW.005.0.1434	-Φ14mm Shafts, 34/45 Joint		87,560
CW.005.0.1634	-Φ16mm Shafts, 34/45 Joint		344,370

(2) for DIN/ISO Socket Joint, for Φ8~Φ14mm Shaft

		Ea.	Price,₩
CW.005.00.0824	Stirrer Seal, EUROPE-type, for-Φ8mm Shafts , 24/29 Joint		192,820
CW.005.00.1029	-Φ10mm Shafts, 29/32 Joint		204,190
CW.005.00.1045	-Φ10mm Shafts, 45/40 Joint		266,570

Cowie® Screw-NPT-PTFE/PEEK High-class Vacuum Stirrer Guide, with 0.75″ & 1″ NPT for Φ8~16mm Shafts, Chemically Inert
For Direct Assembly into PTFE Reactor Lids, Max-800rpm, −200℃+280℃ stable, <UK-Made> 고품질 진공 교반씰



(1)


(2)

■ ***Useful for a Wide-Range Vacuum Condition***
∗ Acceptable a Wide Temperature Range without Shedding Particles from the Guide Seal Whilst Maintaining Vacuum Operation
∗ Screw-NPT : for Direct Assembly into PTFE Reactor Lids
∗ Ant-Whip and Reduced Vibration

〈L1〉

(1) for Middle/Low Vacuum, for Shaft Φ8~Φ16mm

		Ea.	Price,₩
CW.710.0819	**PTFE Stirrer Guide, Vacuum, 0.75″ NPT**, for-8mm shaft , h63mm		125,770
CW.710.0825	**, 1″ NPT** , for-8mm shaft , h67mm		124,010
CW.710.1225	-12mm shaft, h67mm		143,490
CW.710.1425	-14mm shaft, h80mm		608,710
CW.710.1625	-16mm shaft, h80mm		203,220

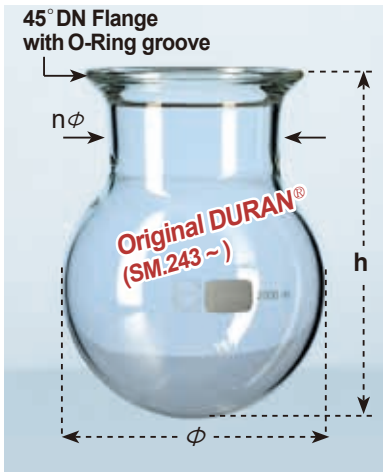
(2) for High Vacuum, 5mmHg/5psi, for Shaft Φ8~Φ16mm

		Ea.	Price,₩
CW.709.0819	**PTFE Stirrer Guide, Hi-Vacuum, 0.75″ NPT**, for-8mm shaft , h106mm		344,410
CW.709.1019	-10mm shaft, h106mm		349,480
CW.709.0825	**, 1″ NPT** , for-8mm shaft , h110mm		335,160
CW.709.1025	-10mm shaft, h110mm		332,740
CW.709.1225	-12mm shaft, h112mm		370,170
CW.709.1425	-14mm shaft, h112mm		564,760
CW.709.1625	-16mm shaft, h112mm		155,470

※ The Price(VAT is extra) for Korean End-user, and Changeable.

250~50,000㎖ DURAN® Original Vacuum Round Reaction Flask, 45° DN-Flange with O-Ring Groove

Up to 1.0 bar at 250℃, DURAN® 환형 진공 반응 플라스크, O-링 홈부, Lid 호환성 표준화 규격



■ *"SM.243~" Items DURAN® Original Reaction Flask, Borosilicate Glass 3.3 : Made in Germany.*
※ *But, The "SL.Re~" Items : Finished by SciLab Korea. - -*
- - "Joining Original DURAN® -45° DN Flange with O-Ring groove and -Flask".
■ *DURAN® Borosilicate Glass α 3.3(Boro 3.3) : Chemical & Heat-Stability / Resistance.*
Chemical-Resistant : (1) Class-A2 & S1 to Alkali & Acid and, (2) HGB-1 Hydrolytic Class.
Heat-Stability : (1) 560℃ -Annealing point, (2) 825℃ -Softening point,
(3) 1260℃ -Melt Working point, and (4) 525℃-Transformation Temp.
■ *Ideal for Vacuum-use : due to the Wall-Thickness and Geometry 45° DN Flange with O-Ring Sealing with 3-Segment Stainless-steel Quick-Release-Clamp. Also Suitable for General Purpose.*
■ *45° DN-Standard Flange : Perfect Compatibility with Lid & Flask*
① ***DN 60*** *Flange : id Φ60 × od Φ 100mm*
② ***DN 100*** *Flange : id Φ100 × od Φ138mm*
③ ***DN 120*** *Flange : id Φ120 × od Φ 158mm*
④ ***DN 150*** *Flange : id Φ150 × od Φ184mm*
⑤ ***DN 200*** *Flange : id Φ200 × od Φ242mm*

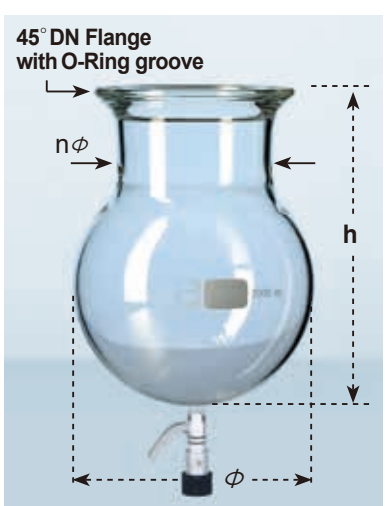


Ordering : Vessel and Heating Mantle

〈L1〉

		Vessel		DAIHAN® Heat-Mantle, 230V	
		Ea.	Price, ₩	Cat. No	Ea. Price, ₩
(1) 250 & 500㎖ - 45° DN 60 Flange with O-Ring groove, 1.0 bar					
SL.Re2161	React-Flask, **DN 60**, **250**㎖, Φ 85 / thick 2±1×nΦ70×h145mm		124,690	**DH.WHM12012**	110,000
SL.Re2162	, **500**㎖, Φ105 / thick 2±1×nΦ70×h165mm		126,970	**DH.WHM12013**	133,000
(2) 1·2·4 Lit - 45° DN 100 Flange with O-Ring groove, 1.0 bar					
SL.Re2164	React-Flask, **DN 100**, **1,000~1,300(full)**㎖, Φ131 / thick 2.3±0.8×nΦ106×h185mm		159,370	**DH.WHM12014**	138,000
SM.2439563	, **2,000~2,600(full)**㎖, Φ165 / thick 4.0±1 ×nΦ106×h215mm		208,540	**DH.WHM12015**	165,000
SM.2439571	, **4,000~4,700(full)**㎖, Φ206 / thick 4.0±1 ×nΦ106×h265mm		325,620	**DH.WHM8037**	243,000
(3) 3 & 5 Lit - 45° DN 120 Flange with O-Ring groove, Thick. 3.5±0.5mm, 1.0 bar					
SL.Re2166	React-Flask, **DN 120**, **3,000~3,500(full)**㎖, Φ185 / thick 3.5±1×nΦ130×h240mm		288,000	**DH.WHM12016**	180,000
SM.2439773	, **5,000~6,000(full)**㎖, Φ225 / thick 3.3±1×nΦ130×h280mm		356,190	**DH.WHM12017**	243,000
(4) 10 & 20 Lit - 45° DN 150 Flange with O-Ring groove, Thick. 4.5±1mm, 0.5 bar					
SM.2439986	React-Flask, **DN 150**, **10,000~12,000(full)**㎖, Φ280 / thick 4.5±1×nΦ160×h350mm		619,730	**DH.WHM12019**	440,000
SM.2439991	, **20,000~22,000(full)**㎖, Φ350 / thick 4.5±1×nΦ156×h420mm		854,880	**DH.WHM12070**	742,000
(5) 20·30·50 Lit - 45° DN 200 Flange with O-Ring groove, Thick. 5±1mm, 0.5 bar					
SL.Re2170	React-Flask, **DN 200**, **20,000~22,000(full)**㎖, Φ350 / thick 4.5±1×nΦ215×h420mm ***New***		900,000	**DH.WHM12070**	742,000
SL.Re2170.1	, **30,000~32,000(full)**㎖, Φ415 / thick 5 ±1×nΦ215×h485mm ***New***		1,272,000	**DH.WHM12072**	969,000
SL.Re2171	, **50,000~56,000(full)**㎖, Φ480 / thick 5.5±1×nΦ215×h650mm		2,652,000	**DH.WHM12075**	1,142,000

※ DH.WHM12075 : without Temp. Controller



2~50Lit PTFE Drain-valved Reaction Flask Mantle, 45° DN-Flange with O-Ring Groove

배출 밸브형 진공/압력 반응 플라스크, O-링 홈부, 완벽한 호환성 표준화 규격

〈L1〉

∗ Joining DURAN Flask and PTFE Drain Valve : by SciLab Korea

		Vessel		DAIHAN® Heat-Mantle, 230V	
		Ea.	Price, ₩	Cat. No	Ea. Price, ₩
SL.Re2292	React-Flask, **DN 100, 2,000~2,600(full)**㎖, 1.0 bar. Φ165 / thick 4.0±1×nΦ106×h215mm		400,000	**DH.WHM8222**	197,000
SL.Re2293	React-Flask, **DN 120, 3,000~3,500(full)**㎖, 1.0 bar. Φ185 / thick 3.5±1×nΦ130×h240mm		507,040	**DH.WHM8232**	243,000
SL.Re2294	React-Flask, **DN 120, 5,000~6,000(full)**㎖, 1.0 bar. Φ225 / thick 3.3±1×nΦ130×h280mm		657,600	**DH.WHM8233**	278,000
SL.Re2295	React-Flask, **DN 150, 10,000~12,000(full)**㎖, 0.5 bar. Φ280 / thick 4.5±1×nΦ160×h350mm		999,780	**DH.WHM8226**	463,000
SL.Re2296	React-Flask, **DN 150, 20,000~22,000(full)**㎖, 0.5 bar. Φ350 / thick 4.5±1×nΦ156×h420mm		1,281,670	**DH.WHM8227**	762,000
SL.Re2297	React-Flask, **DN 200, 30,000~32,000(full)**㎖, 0.5 bar. Φ415 / thick 5±1×nΦ215×h485mm ***New***		1,591,040	**DH.WHM8234**	1,013,000
SL.Re2298	React-Flask, **DN 200, 50,000~56,000(full)**㎖, 0.5 bar. Φ480 / thick 5.5±1×nΦ215×h650mm		3,204,100	**DH.WHM8228**	1,269,000

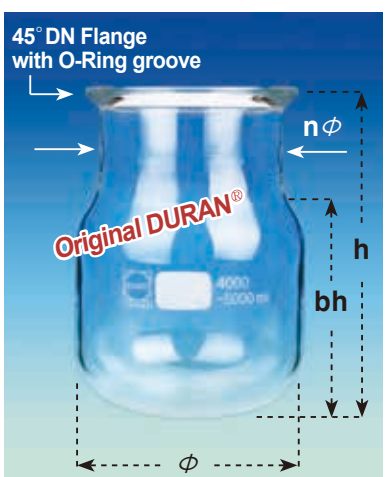
Articles	Cat. No	Description

100~20,000㎖ DURAN® Original Vacuum/Pressure Reaction Vessel, Round Bottom, 45° DN-Flange with O-Ring Groove

With Perfect Compatibility, 0.5~2.5 bar, **정품 DURAN® 환저 진공/압력 반응 베셀**, O-링 홈부, 완벽한 호환성 표준화 규격



(1) **Cylindrical-form,** 0.1 ~ 3.6 Lit



(2) **Kettle-form,** 4 ~ 21 Lit

- ***Original DURAN® Vacuum / Pressure Reaction Vessel : Made in Germany. But, The "SL.Re ~ items" : Joining Original DURAN® Blank 45° DN Flange with O-Ring and Blank Round-Bottom Vessel : by SciLab Korea.***
- ***DURAN® Borosilicate Glass α 3.3(Boro 3.3) : Chemical & Heat-Stability / Resistance. Chemical-Resistant : (1) Class-A2 & S1 to Alkali & Acid and, (2) HGB-1 Hydrolytic Class. Heat-Stability : (1) 560℃ -Annealing point, (2) 825℃ -Softening point, (3) 1260℃ -Melt Working point, and (4) 525 -Transformation Temp.***
- ***Ideal for Pressure & Vacuum-use : due to the Wall-Thickness and Geometry 45° DN Flange with O-Ring Sealing with DURAN® 3-Segment Stainless-steel Quick-Release-Clamp. Also Suitable for General Purpose***
- ***45° DN-Standard Flange : Perfect Compatibility with Lid & Flask***
  - ① ***DN 60*** *Flange : id ϕ60 × od ϕ100mm*
  - ② ***DN 100*** *Flange : id ϕ100 × od ϕ138mm*
  - ③ ***DN 120*** *Flange : id ϕ120 × od ϕ158mm*
  - ④ ***DN 150*** *Flange : id ϕ150 × od ϕ184mm*
  - ⑤ ***DN 200*** *Flange : id ϕ200 × od ϕ242mm*

※ **The following "DU.~" items : Original DURAN® Products !** ＊ The "h" Vessel Height Approximately.

Ordering : Vessel and Heating Mantle

〈L1〉

		Vessel	DAIHAN® Heat-Mantle, 230V	
		Ea. Price,₩	Cat. No	Ea. Price,₩
(1) 0.1~3.6 Lit Cylindrical-form, Vacuum 45° DN-Flange with O-Ring Groove				
SM.2439024	**DN 60** Vessel, - **100~200(full)**㎖, 2.5 bar, ϕ70 / thick 3.5±1 × h85mm.	58,470	**DH.WHM8130**	108,000
SM.2439036	- **250~310(full)**㎖, 2.5 bar, ϕ70 / thick 3.5±1 × h125mm.	129,000	**DH.WHM8131**	135,000
SM.2439044	**DN 100** Vessel, - **500~750(full)**㎖, 1.5 bar, ϕ106 / thick 3.5±1 × h120mm.	129,400	**DH.WHM12146**	140,000
SM.2439054	- **1,000~1,400(full)**㎖, 1.5 bar, ϕ106 / thick 3.5±1 × h205mm.	181,700	**DH.WHM8133**	139,000
SL.Re2212	**DN 120** Vessel, - **2,000~2,600(full)**㎖, 1.5 bar, ϕ130 / thick 4.5±1 × h240mm.	249,600	**DH.WHM8134**	155,000
SL.Re2213	- **3,000~3,600(full)**㎖, 1.5 bar, ϕ130 / thick 4.5±1 × h320mm.	264,000	**DH.WHM8136**	197,000
(2) 4~21 Lit Kettle-form, Vacuum 45° DN-Flange with O-Ring Groove				
SM.2439071	**DN 150** Vessel, - **4,000~5,800(full)**㎖, 1.0 bar, ϕ200 / thick 5±1 × nϕ165 × bh215 × h290mm.	329,130	**DH.WHM8138**	232,000
SM.2439076	- **6,000~7,400(full)**㎖, 1.0 bar, ϕ215 / thick 5±1 × nϕ165 × bh245 × h320mm.	378,700	**DH.WHM8139**	254,000
SM.2439086	- **10,000~12,000(full)**㎖, 0.5 bar, ϕ240 / thick 5.5±1 × nϕ165 × bh335 × h410mm.	448,680	**DH.WHM8141**	463,000
SL.Re2217	**DN 200**, Vessel,- **20,000~21,000(full)**㎖, ϕ250 / thick 5.5±1 × nϕ215 × bh500 × h575mm.	1,272,000	**DH.WHM8142**	808,000



Basic-type Reaction Vessel Mantle with Controller

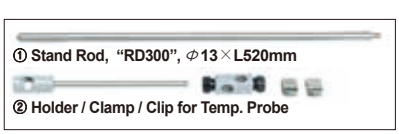
DAIHAN® Reaction Vessel Heating Mantle, Basic-type, 450℃, 0.1~100Lit

With Built-in Temperature Controller, with Nickel Chrome Heating Element, with Certi. & Traceability

반응조용 히팅맨틀, 온도 조절기 내장, 기본형, Ni-Cr 열선내장

※ Note !

- ▶**Details : Please See the Heating Mantle-Section !**
- ▶**Heating Mantle with Temp. Controller**



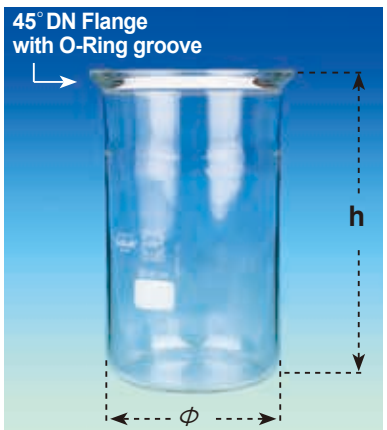
〈L1〉

Optional : Stainless-steel Rod, Holder & Clamp		Ea. Price, ₩
DH.WHP503037	① **Stand Rod,** ϕ13 × L520mm, **"RD300",** for Heating Mantle	18,000
DH.WHP503012	② **Holder / Clamp / Clip, "CL220",** for Temp. Sensor	30,000

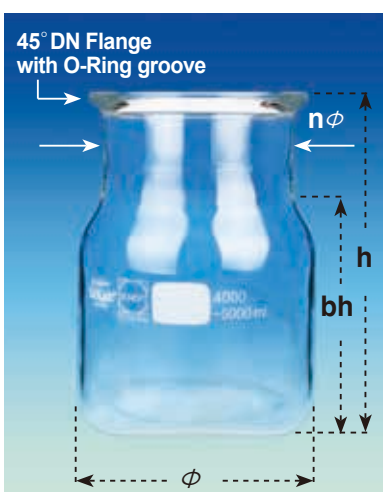
※ The Price(VAT is extra) for Korean End-user, and Changeable.

100~20,000㎖ DURAN-glass Flat-bottom Vacuum/Pressure Reaction Vessel, 45° DN-Flange with O-Ring Groove

With Perfect Compatibility, 0.5~2.5 bar, **평저 진공/압력 반응 베셀**, O-링 홈부, 완벽한 호환성 표준화 규격



(1) Flat Bottom **Cylindrical-form,** 0.1 ~ 3.6 Lit



(2) **Kettle-form,** 4 ~ 21 Lit

- ***Flattened Original DURAN® Reaction Vessel : by SciLab Korea.***
  But, the DN 120 & DN 200-Vessels : Joining Original DURAN® Blank-45° DN Flange with O-Ring and Vessel : by SciLab Korea
- ***DURAN® Borosilicate Glass α 3.3(Boro 3.3) : Chemical & Heat-Stability / Resistance.***
  Chemical-Resistant : (1) Class-A2 & S1 to Alkali & Acid and, (2) HGB-1 Hydrolytic Class.
  Heat-Stability : (1) 560℃ -Annealing point, (2) 825℃ -Softening point,
  (3) 1260℃ -Melt Working point, and (4) 525℃-Transformation Temp.
- ***Ideal for Pressure & Vacuum-use : due to the Wall-Thickness and Geometry 45° DN Flange with O-Ring Sealing with DURAN® 3-Segment Stainless-steel Quick-Release-Clamp.***
  Also Suitable for General Purpose
- ***45° DN-Standard Flange : Perfect Compatibility with Lid & Flask***
  - ① ***DN 60*** *Flange : id Φ60 × od Φ100mm*
  - ② ***DN 100*** *Flange : id Φ100 × od Φ138mm*
  - ③ ***DN 120*** *Flange : id Φ120 × od Φ158mm*
  - ④ ***DN 150*** *Flange : id Φ150 × od Φ184mm*
  - ⑤ ***DN 200*** *Flange : id Φ200 × od Φ242mm*

∗ The "h" Vessel Height Approximately.

Ordering : Vessel and Heating Mantle

〈L1〉

		Vessel	DAIHAN® Heat-Mantle, 230V	
		Ea. Price, ₩	Cat. No	Ea. Price, ₩
(1) 0.1~3.6 Lit Flat Bottom-form, Vacuum 45° DN-Flange with O-Ring Groove, Flat-bottom				
SL.Re2181	DN 60 Vessel, - **100~190**㎖, 2.5 bar, Φ70 / thick 3.5±1×h75mm.	88,000	DH.WHM8130	108,000
SL.Re2182	- **250~310**㎖, 2.5 bar, Φ70 / thick 3.5±1×h120mm.	156,200	DH.WHM8131	135,000
SL.Re2184	DN 100 Vessel, - **500~700**㎖, 1.5 bar, Φ106 / thick 3.5±1×h115mm.	145,200	DH.WHM12146	140,000
SL.Re2185	- **1,000~1,300**㎖, 1.5 bar, Φ106 / thick 3.5±1×h190mm.	220,000	DH.WHM8133	139,000
SL.Re2186	DN 120 Vessel, - **2,000~2,500**㎖, 1.5 bar, Φ130 / thick 4.5±1×h230mm.	256,130	DH.WHM8134	155,000
SL.Re2187	- **3,000~3,600**㎖, 1.5 bar, Φ130 / thick 4.5±1×h310mm.	274,990	DH.WHM8136	197,000
(2) 4~21 Lit Kettle-form, Vacuum 45° DN-Flange with O-Ring Groove, Flat-bottom				
SL.Re2192	DN 150 Vessel, - **4,000~5,700**㎖, 1.0 bar, Φ200 / thick 5±1×nΦ160 ×bh215×h280mm.	396,000	DH.WHM8138	232,000
SL.Re2193	- **6,000~7,200**㎖, 1.0 bar, Φ215 / thick 5±1×nΦ165 ×bh245×h300mm.	462,000	DH.WHM8139	254,000
SL.Re2194	- **10,000~12,000**㎖, 0.5 bar, Φ240 / thick 5.5±1×nΦ165 ×bh335×h400mm.	657,750	DH.WHM8141	463,000
SL.Re2198	DN 200 Vessel, - **20,000~21,000**㎖, 0.5 bar, Φ250 / thick 5.5±1×nΦ215 ×bh500×h575mm.	1,152,670	DH.WHM8142	808,000



Basic-type Reaction Vessel Mantle with Controller

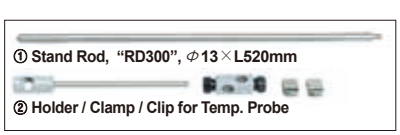
DAIHAN® Reaction Vessel Heating Mantle, Basic-type, 450℃, 0.1~100Lit

With Built-in Temperature Controller, with Nickel Chrome Heating Element, with Certi. & Traceability

반응조용 히팅맨틀, 온도 조절기 내장, 기본형, Ni-Cr 열선내장

※ Note !

- ▸**Details : Please See the Heating Mantle-Section !**
- ▸**Heating Mantle with Temp. Controller**



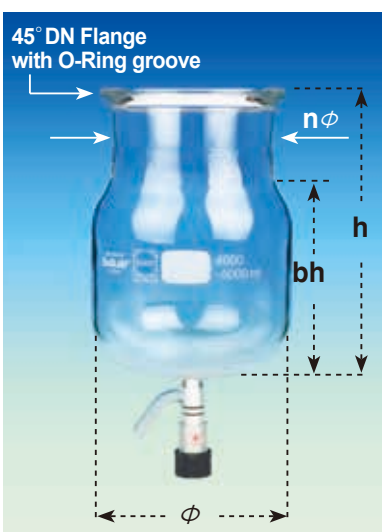
〈L1〉

Optional : Stainless-steel Rod, Holder & Clamp		Ea. Price, ₩
DH.WHP503037	① **Stand Rod,** Φ13×L520mm, **"RD300",** for Heating Mantle	18,000
DH.WHP503012	② **Holder / Clamp / Clip, "CL220",** for Temp. Sensor	30,000

PTFE Drain-valved 250~20,000㎖ DURAN-glass Vacuum/Pressure Reaction Vessel, 45° DN-Flange with O-Ring Groove With Perfect Compatibility, 0.5~2.5 bar, 배출 밸브형 진공/압력 반응 베셀, O-링 홈부, 완벽한 호환성 표준화 규격



(1) **Cylindrical-form,** 0.25 ~ 3,6 Lit,
PTFE Drain-valved



(2) **Kettle-form,** 4 ~ 21 Lit,
PTFE Drain-valved

- ***Joining DURAN Original Vacuum / Pressure Reaction Vessel(SM.24390-series) and Domestic PTFE Drain Valve : by SciLab Korea.***
- ***DURAN® Borosilicate Glass α 3.3(Boro 3.3) : Chemical & Heat-Stability / Resistance. Chemical-Resistant : (1) Class-A2 & S1 to Alkali & Acid and, (2) HGB-1 Hydrolytic Class. Heat-Stability : (1) 560℃ -Annealing point, (2) 825℃ -Softening point, (3) 1260℃ -Melt Working point, and (4) 525℃-Transformation Temp.***
- ***Ideal for Pressure & Vacuum-use : due to the Wall-Thickness and Geometry 45° DN Flange with O-Ring Sealing with DURAN® 3-Segment Stainless-steel Quick-Release-Clamp. Also Suitable for General Purpose***
- ***45° DN-Standard Flange : Perfect Compatibility with Lid & Flask***
  - ① ***DN 60*** *Flange : id Φ60 × od Φ100mm*
  - ② ***DN 100*** *Flange : id Φ100 × od Φ138mm*
  - ③ ***DN 120*** *Flange : id Φ120 × od Φ158mm*
  - ④ ***DN 150*** *Flange : id Φ150 × od Φ184mm*
  - ⑤ ***DN 200*** *Flange : id Φ200 × od Φ242mm*

∗ The "h" Vessel Height Approximately.

Ordering : Vessel and Heating Mantle

〈L1〉

	Vessel	DAIHAN® Heat-Mantle, 230V	
	Ea. Price, ₩	Cat. No	Ea. Price, ₩
(1) 0.25~3.6 Lit Cylindrical-form, with PTFE Drain-valve, Vacuum 45° DN-Flange with O-Ring groove.			
SL.Re2231 **DN 60** Vessel, - **250~310(full)**㎖, 2.5 bar, Φ70 / thick 3.5±1×h125mm.	287,500		
SL.Re2232 **DN 100** Vessel, - **500~750(full)**㎖, 1.5 bar, Φ106 / thick 3.5±1×h120mm.	299,730	**DH.WHM8190**	128,000
SL.Re2233 - **1,000~1,400(full)**㎖, 1.5 bar, Φ106 / thick 3.5±1×h205mm.	397,730	**DH.WHM8191**	163,000
SL.Re2234 **DN 120** Vessel, - **2,000~2,600(full)**㎖, 1.5 bar, Φ130 / thick 4.5±1×h240mm.	399,730	**DH.WHM8192**	169,000
SL.Re2235 - **3,000~3,600(full)**㎖, 1.5 bar, Φ130 / thick 4.5±1×h320mm.	429,730	**DH.WHM8194**	202,000
(2) 4~21 Lit Kettle-form, with PTFE Drain-valve, Vacuum 45° DN-Flange with O-Ring groove.			
SL.Re2241 **DN 150** Vessel, - **4,000~5,800(full)**㎖, 1.0 bar, Φ200 / thick 5±1×nΦ165 ×bh215×h290mm.	642,500	**DH.WHM8196**	232,000
SL.Re2242 - **6,000~7,400(full)**㎖, 1.0 bar, Φ215 / thick 5±1×nΦ165 ×bh245×h320mm.	692,500	**DH.WHM8197**	254,000
SL.Re2243 - **10,000~12,000(full)**㎖, 0.5 bar, Φ240 / thick 5.5±1×nΦ165 ×bh335×h410mm.	860,440	**DH.WHM8199**	439,000
SL.Re2246 **DN 200** Vessel, - **20,000~21,000(full)**㎖, Φ250 / thick 5.5±1×nΦ215 ×bh500×h575mm.	1,477,100	**DH.WHM8200**	762,000

※ Temp. Controller : Option



Bottom Outlet-type Heating Mantle Remotecontrolled

DAIHAN® Remotecontrolled Reaction Vessel Heating Mantle, Bottom Outlet-type, 450℃, 0.1~100Lit

For Reaction Vessel, with Nickel Chrome Heating Element, K-type Thermo-sensor Integrated, Option-Controller

반응조용 히팅맨틀, 조절기별도, K-type 온도센서 내장, Ni-Cr 열선내장, 자력교반기와 사용가능

▸**Details : Please See the Heating Mantle-Section !**

Optional Analog & Digital Controller


(1) WHM - C10A


(2) WHM-C10D

〈L1〉

		Ea. Price,₩
DH.WHM13500	(1) Analog Controller, "C10A", 230V	153,000
DH.WHM12500	(2) Full Digital Controller, "C10D", 230V	309,000

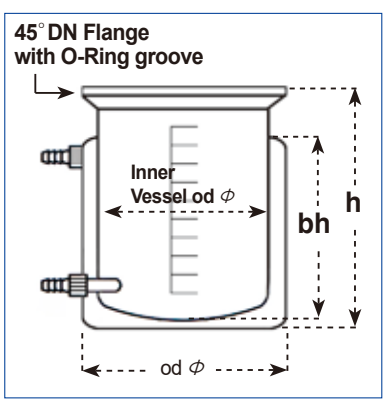
※ The Price(VAT is extra) for Korean End-user, and Changeable.

Graduated 250~20,000㎖ Jacketed Vacuum/Pressure Vessel, 45° DN-Flange with O-Ring Groove

With Perfect Compatibility, DURAN-glass/GL18-PTFE Connected, 0.5~2.5 bar, **눈금부 자켓 베셀**



Graduated Jacket Vessel : with GL 18 ~ 32 PTFE Hose Connection, & 45° DN Flange with O-Ring for Vacuum / Pressure Use.



⊙ **The Figure of Graduated Jacket Vessel**

- ***Made of DURAN® Blank Vessel(Vacuum / Pressure) / DN-Flange or Heavy-wall Tubing : by SciLab Korea.***
- ***Flat-Bottom Outer Jacket, and Semi-Round Bottom Inner Vessel.***
- ***DURAN® Borosilicate Glass α 3.3(Boro 3.3) : Chemical & Heat-Stability / Resistance. Chemical-Resistant : (1) Class-A2 & S1 to Alkali & Acid and, (2) HGB-1 Hydrolytic Class. Heat-Stability : (1) 560℃ -Annealing point, (2) 825℃ -Softening point, (3) 1260℃ -Melt Working point, and (4) 525℃-Transformation Temp.***
- ***Ideal for Pressure & Vacuum-use : due to the Wall-Thickness and Geometry 45° DN Flange with O-Ring Sealing with DURAN® 3-Segment Stainless-steel Quick-Release-Clamp. Also Suitable for General Purpose***
- ***45° DN-Standard Flange : Perfect Compatibility with Lid & Flask***
  - ① ***DN 60*** *Flange : id Φ60 × od Φ100mm*
  - ② ***DN 100*** *Flange : id Φ100 × od Φ138mm*
  - ③ ***DN 120*** *Flange : id Φ120 × od Φ158mm*
  - ④ ***DN 150*** *Flange : id Φ150 × od Φ184mm*
  - ⑤ ***DN 200*** *Flange : id Φ200 × od Φ242mm*

∗ The "h" Vessel Height Approximately, and Cylindrical-form Vessels.

∗ **with The Safety GL-18 or 25 or 32 PTFE Hose Connector Set : NO-Broken, Exchangeable, up to-250℃, Anti-Chemicals.**

〈L1〉

		Ea.	Price, ₩
SL.Re2251	**DN 60** Vessel, - **250~310 / 50**㎖, Φ105 × bh100, h150mm, GL 14 inner vessel : od Φ65 / thick 3.5 × h150mm, outer jacket : od Φ105 / thick 4mm.		268,300
SL.Re2252	- **500~620 / 100**㎖, Φ105 × bh190, h240mm, GL 18 inner vessel : od Φ65 / thick 3.5 × h240mm, outer jacket : od Φ105 / thick 4mm.		304,250
SL.Re2253	**DN 100** Vessel, - **500~750 / 100**㎖, Φ130 × bh80, h140mm, GL 18 inner vessel : od Φ105 / thick 3 × h140mm, outer jacket : od Φ130 / thick 3mm.		374,540
SL.Re2254	- **1,000~1,400 / 100**㎖, Φ130 × bh150, h210mm, GL 18 inner vessel : od Φ105 / thick 3 × h210mm, outer jacket : od Φ130 / thick 3mm.		385,540
SL.Re2255	**DN 120** Vessel, - **2,000~2,600 / 200**㎖, Φ160 × bh190, h250mm, GL 18 inner vessel : od Φ130 / thick 4 × h250mm, outer jacket : od Φ160 / thick 4.5mm.		539,780
SL.Re2256	- **3,000~3,600 / 500**㎖, Φ160 × bh280, h340mm, GL 25 inner vessel : od Φ130 / thick 4 × h250mm, outer jacket : od Φ160 / thick 4.5mm.		673,780
SL.Re2257	**DN 150** Vessel, - **5,000~6,100 / 500**㎖, Φ215 × bh360, h430mm, GL 25 inner vessel : od Φ160/ thick 4.5 × h430mm, outer jacket : od Φ215 / thick 5.5mm.		1,041,880
SL.Re2259	**DN 200** Vessel, - **10,000~11,800 / 1,000**㎖, Φ250 × bh380, h450mm, GL 32 inner vessel : od Φ215/ thick 5.5 × h450mm, outer jacket : od Φ250 / thick 5mm.		1,658,850
SL.Re2262	- **20,000~22,000 / 2,000**㎖, Φ300 × bh500, h570mm, GL 32 inner vessel : od Φ250 / thick 5.5 × h570mm, outer jacket : od Φ300 / thick 6.0mm.		3,550,980

Spare DURAN® GL-14 · 18 · 25 · 32 PTFE Screw Hose Connector Set, −50℃+250℃


(1) Straight-type


(2) Bent-type

⊙ **GL 14~32 : PTFE Connect-Set**

∗ Advantage of the Safety PTFE Connect Set
① NO-Broken, ② Easy Exchangeable, ③ Anti-Chemicals & Temp. -50 +250℃.

∗ Complete Set with PBT Screwcap, PTFE / Silicone Sealing Ring, and PTFE Connector.

〈L6〉

(1) Straight-type

		Ea.	Price, ₩	Pk.	Price, ₩
SM.28623000	Connector, PTFE, Strai, GL 14, Tube od 8 × id 5.0 mm	11,730		10ea	117,200
SM.28623020	, GL 18, Tube od 11 × id 7.5 mm	13,580		10ea	135,680
SL.Con4011	, GL 25, Tube od 15 × id 11 mm	24,700			
SL.Con4012	, GL 32, Tube od 19 × id 15 mm	26,700			

(2) Bent-type

		Ea.	Price, ₩	Pk.	Price, ₩
SM.28623060	Connector, PTFE, Bent, GL 14, Tube od 8 × id 5.0 mm	16,090		10ea	160,790
SM.28623080	, GL 18, Tube od 11 × id 7.5 mm	19,190		10ea	191,880

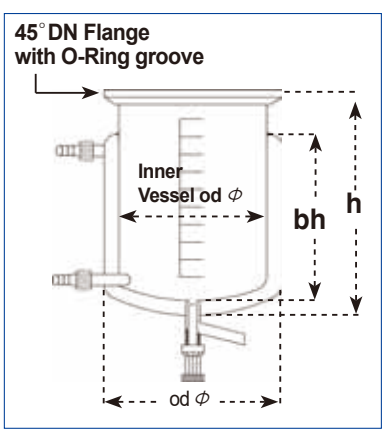
0.25~100 Lit Drain valved·Jacketed·Graduated Vacuum/Pressure Vessel, 45° DN-Flange with O-Ring Groove

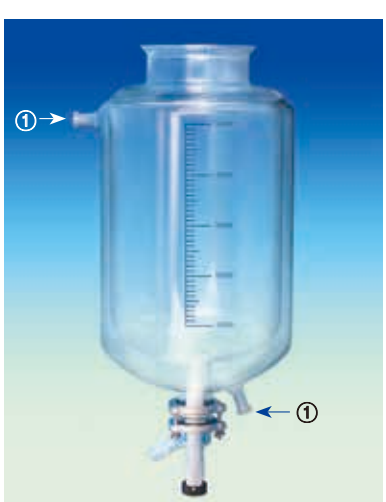
With Perfect Compatibility, DURAN-glass, PTFE-valved/-GL connect, 0.5~2.5 bar, **자켓 밸브형 눈금부 진공/압력 베셀**



※ The Figure : up to 20Lit

PTFE Valved / Graduated Jacket Vessel
with GL 14 ~ 32 PTFE Hose Connection





※ The Figure : 30~100Lit Vessel Only



① Heated Fluid In-Out Flat Flange
(od Φ35×id Φ18mm) & Metal Clamp

- ***Made of DURAN® Blank Vessel(Vacuum / Pressure) / DN-Flange or Heavy-wall Tubing : by SciLab Korea.***
- ***DURAN® Borosilicate Glass α 3.3(Boro 3.3) : Chemical & Heat-Stability / Resistance. Chemical-Resistant : (1) Class-A2 & S1 to Alkali & Acid and, (2) HGB-1 Hydrolytic Class. Heat-Stability : (1) 560℃ -Annealing point, (2) 825℃ -Softening point, (3) 1260℃ -Melt Working point, and (4) 525℃-Transformation Temp.***
- ***Ideal for Pressure & Vacuum-use : due to the Wall-Thickness and Geometry 45° DN Flange with O-Ring Sealing with DURAN® 3-Segment Stainless-steel Quick-Release-Clamp. Also Suitable for General Purpose***
- ***45° DN-Standard Flange : Perfect Compatibility with Lid & Flask***
  - ① ***DN 60*** *Flange : id Φ60 × od Φ100mm*
  - ② ***DN 100*** *Flange : id Φ100 × od Φ138mm*
  - ③ ***DN 120*** *Flange : id Φ120 × od Φ158mm*
  - ④ ***DN 150*** *Flange : id Φ150 × od Φ184mm*
  - ⑤ ***DN 200*** *Flange : id Φ200 × od Φ242mm*

* The PTFE Drain Valve : Resist up to 280℃, Anti-Chemical, and Dead Space-Free !
* The "h" Vessel Height Approximately, and Cylindrical-form Vessels.
* **with The Safety GL-18 or 25 or 32 PTFE Hose Connector Set : NO-Broken, Exchangeable, up to-250℃, Anti-Chemicals.**

〈L1〉

Articles	Cat. No	Description	Ea.	Price, ₩
SL.Re2271		**DN 60** Vessel, - **250~310 / 50**㎖, Φ105×bh100, h150mm, GL 14 inner vessel : od Φ65 / thick 3.5×h150mm, outer jacket : od Φ105 / thick 4mm.		504,980
SL.Re2272		- **500~620 / 100**㎖, Φ105×bh190, h240mm, GL 18 inner vessel : od Φ65 / thick 3.5×h240mm, outer jacket : od Φ105 / thick 4mm.		514,180
SL.Re2273		**DN 100** Vessel, - **500~750 / 100**㎖, outer Φ130×bh80, h140mm, GL 18 inner vessel : od Φ105 / thick 3×h140mm, outer jacket : od Φ130 / thick 3mm.		565,440
SL.Re2274		- **1,000~1,400 / 100**㎖, Φ130×bh150, h210mm, GL 18 inner vessel : od Φ105 / thick 3×h210mm, outer jacket : od Φ130 / thick 3mm.		614,140
SL.Re2275		**DN 120** Vessel, - **2,000~2,600 / 200**㎖, Φ160×bh190, h250mm, GL 18 inner vessel : od Φ130 / thick 4×h250mm, outer jacket : od Φ160 / thick 4.5mm.		761,540
SL.Re2276		- **3,000~3,600 / 500**㎖, Φ160×bh280, h340mm, GL 25 inner vessel : od Φ130 / thick 4×h250mm, outer jacket : od Φ160 / thick 4.5mm.		910,940
SL.Re2277A		**DN 150** Vessel, - **5,000~6,100 / 500**㎖, Φ215×bh360, h430mm, GL 25 inner vessel : od Φ160 / thick 4.5×h430mm, outer jacket : od Φ215 / thick 5.5mm.		1,209,370
SL.Re2279A		**DN 200** Vessel, - **10,000 / 1,000**㎖, Φ215×bh410, h480mm, GL 32 inner vessel : od Φ215/ thick 5.5×h480mm, outer jacket : od Φ250 / thick 5.5mm.		2,186,100
SL.Re2282A		- **20,000 / 1,000**㎖, Φ250×bh560, h630mm, GL 32 inner vessel : od Φ250/ thick 5.5×h630mm, outer jacket : od Φ300 / thick 6.0mm.		5,032,900
SL.Re2283		- **30,000 / 1,000**㎖, Φ365×bh510, h645mm, Flat Flange w/Clamp inner vessel : od Φ330 / thick 6.0×h645mm, outer jacket : od Φ365 / thick 6.0mm.		6,700,620
SL.Re2284		- **50,000 / 2,000**㎖, Φ415×bh550, h745mm, Flat Flange w/Clamp inner vessel : od Φ365 / thick 6.0×h745mm, outer jacket : od Φ415 / thick 6.0mm.		10,469,220
SL.Re2285		- **80,000 / 2,000**㎖, Φ460×bh615, h800mm, Flat Flange w/Clamp inner vessel : od Φ415 / thick 6.0×h800mm, outer jacket : od Φ460 / thick 6.0mm.		18,722,280
SL.Re2286		- **100,000 / 2,000**㎖, Φ500×bh735, h900mm, Flat Flange w/Clamp inner vessel : od Φ460 / thick 6.0×h900mm, outer jacket : od Φ500 / thick 6.0mm.		22,094,630

※ 30~100Lit : Flat Flange Connection System for Heating Transfer Fluid and Drain Valve.

※ The Price(VAT is extra) for Korean End-user, and Changeable.

1~10Lit Stainless-steel Vacuum Reaction Vessel, Round Bottom, 45°DN-Flange with Groove & Teflon FEP O-Ring Seal
With Perfect Compatibility 45° DN Flanged Lid, 환저 스테인리스 스틸 진공 반응 베셀, O-링 씰 포함



Cylindrical-form, 1~10L

■ *Made in Korea* ■ *Perfect Compatibility with DIN 45° DN Flanged Lid와 완벽한 호환성*
■ *Stainless-steel 304 thick 1.5mm; Chemical & Heat-Stability / Resistance*
* Ideal for Vacuum-use; due to the properties of SS304 Material and Geometry 45° DN Flange with O-Ring Sealing. Also Suitable for General Purpose
* 45° DN Flange; Perfect Compatibility with Lid
① ***DN 100*** *Flange : id Φ100 × od Φ138mm*
② ***DN 120*** *Flange : id Φ120 × od Φ158mm*
③ ***DN 150*** *Flange : id Φ150 × od Φ184mm*
④ ***DN 200*** *Flange : id Φ200 × od Φ242mm*

Ordering : Vessel and Heating Mantle
1~10 Lit Cylindrical-form

〈L1〉

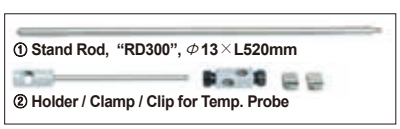
		Vessel	DAIHAN® Heat-Mantle, 230V	
		Ea. Price,₩	Cat. No	Ea. Price,₩
SL.Rea7011	**1 Liter , DN100 Flange,** SS Vessel, Φ102×h205mm	863,400	DH.WHM8133	139,000
SL.Rea7012	**3 Liter , DN120 Flange,** SS Vessel, Φ127×h320mm	1,044,000	DH.WHM8136	197,000
SL.Rea7013	**5 Liter , DN150 Flange,** SS Vessel, Φ153×h360mm	1,286,200	DH.WHM8138	232,000
SL.Rea7014	**10 Liter, DN200 Flange,** SS Vessel, Φ217×h400mm	1,439,600	DH.WHM8141	463,000



Basic-type Reaction Vessel Mantle with Controller

DAIHAN® Reaction Vessel Heating Mantle, Basic-type, 450℃, 0.1~100Lit
With Built-in Temperature Controller, with Nickel Chrome Heating Element, with Certi. & Traceability
반응조용 히팅맨틀, 온도 조절기 내장, 기본형, Ni-Cr 열선내장

※ Note !
▸**Details : Please See the Heating Mantle-Section !**
▸**Heating Mantle with Temp. Controller**

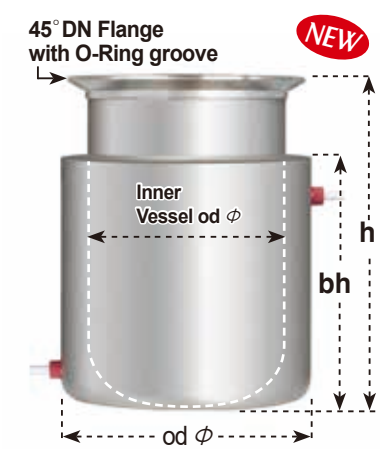


Optional : Stainless-steel Rod, Holder & Clamp

〈L1〉

		Ea. Price, ₩
DH.WHP503037	① **Stand Rod,** Φ13×L520mm, **"RD300",** for Heating Mantle	18,000
DH.WHP503012	② **Holder / Clamp / Clip, "CL220",** for Temp. Sensor	30,000

1~10Lit Stainless-steel Jacketed Vacuum Reaction Vessel, 45°DN-Flange with Groove & Teflon FEP O-Ring Seal
Double Wall, with Perfect Compatibility 45° DN Flanged Lid, 자켓 스테인리스 스틸 진공 반응 베셀, O-링 씰 포함



Jacketed Vessel, 1~10L

■ *Made in Korea* ■ *Perfect Compatibility with DIN 45° DN Flanged Lid와 완벽한 호환성*
■ *Stainless-steel 304 thick 1.5mm; Chemical & Heat-Stability / Resistance*
* Ideal for Vacuum-use; due to the properties of SS304 Material and Geometry 45° DN Flange with O-Ring Sealing. Also Suitable for General Purpose
* 45° DN Flange; Perfect Compatibility with Lid
① ***DN 100*** *Flange : id Φ100 × od Φ138mm*
② ***DN 120*** *Flange : id Φ120 × od Φ158mm*
③ ***DN 150*** *Flange : id Φ150 × od Φ184mm*
④ ***DN 200*** *Flange : id Φ200 × od Φ242mm*
* With The Safety GL-25 or 32 PTFE Hose Connector Set
: NO-Broken, Exchangeable, up to-250℃, Anti-Chemicals.
* Usable with Heat Transfer Fluid

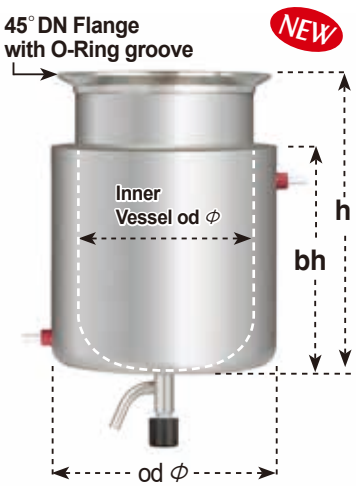
〈L1〉

		Ea. Price, ₩
SL.Rea7021	**1 Liter , DN100 Flange,** SS Vessel, Φ135×bh145, h205mm, GL25 inner vessel : od Φ102×h205mm, outer jacket : od Φ135	1,269,340
SL.Rea7022	**3 Liter , DN120 Flange,** SS Vessel, Φ157×bh225, h320mm, GL25 inner vessel : od Φ127×h325mm, outer jacket : od Φ157	1,569,940
SL.Rea7023	**5 Liter , DN150 Flange,** SS Vessel, Φ183×bh250, h360mm, GL25 inner vessel : od Φ153×h360mm, outer jacket : od Φ183	1,812,140
SL.Rea7024	**10 Liter, DN200 Flange,** SS Vessel, Φ243×bh280, h400mm, GL32 inner vessel : od Φ217×h400mm, outer jacket : od Φ257	2,049,190

Articles	Cat. No	Description

3~10Lit Stainless-steel Drain Valved · Jacketed Reaction Vessel, Round Bottom, 45°DN-Flange with Groove & Teflon FEP O-Ring Seal

Double Wall, with Perfect Compatibility 45° DN-Flange Lid, PTFE-valved/-GL Connect, **자켓 밸브형 스테인리스 스틸 진공 반응 베셀**



PTFE Drain-valved / Jacketed,
3 ~ 10Lit



Spare PTFE Drain Valves

■ ***Made in Korea***
■ ***Perfect Compatibility with DIN 45° DN Flanged Lid와 완벽한 호환성***
■ ***Stainless-steel 304 thick 1.5mm; Chemical & Heat-Stability / Resistance***
■ ***PTFE Outlet valve Stopcock with Teflon FEP(Silicone Inserted) O-Ring seal***

∗ Ideal for Pressure & Vacuum-use; due to the properties of SS304 Material and Geometry 45° DN Flange with O-Ring Sealing. Also Suitable for General Purpose
∗ 45° DN Flange; Perfect Compatibility with Lid
① ***DN 120*** *Flange : id Φ120 × od Φ158mm* ② ***DN 150*** *Flange : id Φ150 × od Φ184mm*
③ ***DN 200*** *Flange : id Φ200 × od Φ242mm*
∗ The PTFE Drain Valve : Resist up to 280℃, Anti-Chemical, and Dead Space-Free !
∗ with The Safety GL-25 or 32 PTFE Hose Connector Set
: NO-Broken, Exchangeable, up to-250℃, Anti-Chemicals.
∗ Usable with Heat Transfer Fluid

〈L1〉

		Ea.	Price, ₩
SL.Rea7032	**3 Liter , DN120 Flange,** SS Vessel, Φ157 × bh250, h320mm, GL25 inner vessel : od Φ127 × h320mm, outer jacket : od Φ157		1,809,940
SL.Rea7033	**5 Liter , DN150 Flange,** SS Vessel, Φ183 × bh250, h360mm, GL25 inner vessel : od Φ153 × h360mm, outer jacket : od Φ183		2,032,140
SL.Rea7034	**10 Liter, DN200 Flange,** SS Vessel, Φ257 × bh280, h400mm, GL32 inner vessel : od Φ217 × h400mm, outer jacket : od Φ257		2,389,190

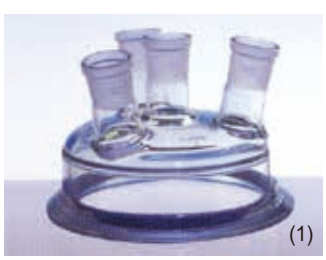
Spare PTFE Drain Valves

∗ PTFE Drain Valve with Teflon FEP(Silicone Inserted) O-ring

		Ea.	Price, ₩
SL.Val4012	(1) PTFE Drain valve, od 18mm, for 3~5Lit Vessel		223,130
SL.Val4013	(2) , od 24mm, for 10Lit Vessel		308,130

Reaction Vessel Lids, 4 Necks Glass Lid and 5/6 Necks PTFE Lid, 45° DN Flanged

Perfect Compatibility with 45° DN Flanged Vessel, Chemical & Heat-Resistant, 45° DN **플랜지 반응조 뚜껑, 완벽한 호환성**





■ ***with Ground Taper Socket Joint Necks***

〈L1〉

(1) DURAN-glass Lids with 4 Necks and 45° DN Flange, with 15° Side Socket

		Ea.	Price, ₩
SL.Re2049	Glass Lid, DN100 Flange, 4 neck, Center- 34/45, Side 3 × 24/40		192,730
SL.Re2056	, DN120 Flange, 4 neck, Center- 34/45, Side 3 × 24/40		222,430
SL.Re2066	, DN150 Flange, 4 neck, Center- 34/45, Side 3 × 24/40		276,330
SL.Re2076	, DN200 Flange, 4 neck, Center- 34/45, Side 3 × 24/40		532,920

(2) PTFE Lids with 5 & 6 Necks and 45° DN Flange, 280℃ Stable

		Ea.	Price, ₩
SL.Rea4013	PTFE Lid, DN100 Flange, 5-Screw Sockets : 5 × 24/-		587,690
SL.Rea4015	, DN120 Flange, 5-Screw Sockets : 1 × 34/- & 4 × 24/-		674,080
SL.Rea4017	, DN150 Flange, 5-Screw Sockets : 3 × 24/- & 1 × 34/- & 1 × 45/-		944,980
SL.Rea4019	, DN200 Flange, 6-Screw Sockets : 4 × 24/- & 1 × 34/- & 1 × 45/-		1,073,830

※ The Price(VAT is extra) for Korean End-user, and Changeable.

SciLab® Assembly Reactor Frame, Φ27.2mm Stainless-steel Pipe, for Heavier-Work, 0.25~100 Lit

With or without Caster, Bench-top and Floor-top Model, **조립식 중량/반응조 설치용 만능프레임, 높이 / 간격 조절식**



Fig. Frame Installation with Reactor System

- ***Supplied by SciLab Korea***
- ***Consist of Φ27.2mm Stainless-steel Pipe, Aluminum-Connector & - Setting Board with Cushion Insert, and with or without Caster.***
- ***80 / 100Lit : od Φ27.2×thick 2.0mm SS Pipe***
- ***Optional Accessory : Holder for DN Flange of Vessel***

(1) Bench-top Frame without Caster, Stainless pipe Φ27.2×thick 1.5mm

※ 운임 별도 〈L1〉

		Ea. Price, ₩
SL.ReF7011	Reactor Frame Φ27.2 SS Pipe, for 500~1000㎖, DN 60 & 100-Flange Size : 400×400×Height 750mm	1,624,600
SL.ReF7012	Reactor Frame Φ27.2 SS Pipe, for 2000~4000㎖, DN 120-Flange Size : 450×450×Height 800mm	1,659,880

(2) Floor-top Frame with Caster, Stainless pipe Φ27.2×thick 1.5/2.0mm

※ 운임 별도

		Ea. Price, ₩
SL.ReF7015	Reactor Frame Φ27.2 SS Pipe, for 2000~4000㎖, DN 120-Flange Size : 450×450×Height 1300mm	1,801,350
SL.ReF7016	Reactor Frame Φ27.2 SS Pipe, for 5~10Lit, DN 150 & 200-Flange Size : 500×500×Height 1500mm	2,021,950
SL.ReF7017	Reactor Frame Φ27.2 SS Pipe, for 20~30Lit, DN 200-Flange Size : 550×550×Height 1700mm	2,377,900
SL.ReF7018	Reactor Frame Φ27.2 SS Pipe, for 50Lit, DN 200-Flange Size : 600×600×Height 1800mm	2,701,680
SL.ReF7019	Reactor Frame Φ27.2 SS Pipe, for 80&100Lit, DN 200-Flange Size : 670×670×Height 2000mm	3,120,850

(3) Optional DN-Flange Holder, Adjustable

		Ea. Price, ₩
SL.ReF7021	DN-Flange Holder, for -DN 60 Vessel	53,900
SL.ReF7022	, for -DN 100 Vessel	58,900
SL.ReF7023	, for -DN 120 Vessel	58,900
SL.ReF7024	, for -DN 150 Vessel	69,600
SL.ReF7025	, for -DN 200 Vessel	81,900



(4) PTFE Cushion

(4) Spare PTFE Cushion Ring

		Ea. Price, ₩
SL.ReF7035	PTFE Cushion Ring, od Φ170×id Φ120×Thick 15mm, for Set-board 450×450mm	160,000
SL.ReF7036	, od Φ230×id Φ180×Thick 15mm, 500×500mm	325,000
SL.ReF7037	, od Φ340×id Φ275×Thick 15mm, 550×550mm	575,000
SL.ReF7038	, od Φ360×id Φ290×Thick 15mm, 600×600mm	625,000
SL.ReF7039	, od Φ420×id Φ340×Thick 15mm, 670×670mm	927,500



(5) Setting Board

(5) Spare Setting Board, Aluminium

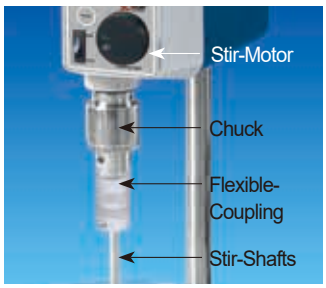
		Ea. Price, ₩
SL.ReF7040	Setting Board, Center Hole - Φ125, 450×450×Thick 10mm, for 2~4 Lit	372,500
SL.ReF7041	- Φ185, 500×500×Thick 10mm, 5~10 Lit	422,500
SL.ReF7042	- Φ280, 550×550×Thick 15mm, 20~30 Lit	542,500
SL.ReF7043	- Φ295, 600×600×Thick 20mm, 50 Lit	792,500
SL.ReF7044	- Φ345, 670×670×Thick 30mm, 80~100 Lit	1,010,000

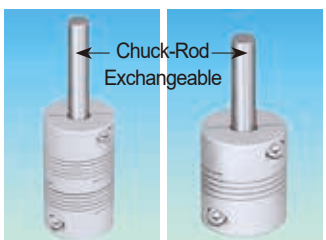
(6) Spare Φ27.2mm Tube Connector for the Reactor Frame

※ Details ⇒ See the "Clamps / Holders" Section (P.172)



Articles	Cat. No	Description





(1) Hi-flex Metal for Φ6~16 Shafts | (2) Heavy-duty Metal for Φ10~16 Shafts

Flexible Coupling, for Safety Stirring of Φ6~16mm Shafts of Overhead Stirrers
For Stirrers between Stirring Motor and Shaft, **안전교반용 유연성 커플링, 교반축의 불균형등을 완전 보정**

■ ***Made in Korea*** ■ ***Used to Compensate Any Vibrations Between The Motor and Stirring Shafts***
* Made of DURALUMIN * Shaft Fastening by Screw Clamp Band
* with Exchangeable SS Chucking Rod Φ8 / 10 / 12mm, L40mm

(1) UTILITY High-Flex. Metal Coupling, with 2×Flex-band, for Φ6~16mm Stir-Shafts Ideal for Low/High Viscosity and High/Low Speed

〈L1〉

		Ea. Price, ₩
SL.StiC011	Stir-Coupling, Hi-flex, Φ8mm Chuck-rod , for-Φ6mm Stir-Shaft , 56g , Φ25×h44mm	62,500
SL.StiC012	-Φ8mm Stir-Shaft , 53g , Φ25×h44mm	62,500
SL.StiC013	-Φ10mm Stir-Shaft, 49g , Φ25×h44mm	62,500
SL.StiC014	Stir-Coupling, Hi-flex, Φ10mm Chuck-rod, for-Φ8mm Stir-Shaft , 49g , Φ25×h44mm	62,500
SL.StiC015	-Φ10mm Stir-Shaft, 43g , Φ25×h44mm	62,500
SL.StiC016	-Φ12mm Stir-Shaft, 33g , Φ25×h44mm	62,500
SL.StiC017	Stir-Coupling, Hi-flex, Φ12mm Chuck-rod, for-Φ10mm Stir-Shaft, 33g , Φ25×h44mm	62,500
SL.StiC018	-Φ12mm Stir-Shaft, 123g, Φ32×h60mm	75,000
SL.StiC019	-Φ14mm Stir-Shaft, 120g, Φ32×h60mm	75,000
SL.StiC020	-Φ16mm Stir-Shaft, 118g, Φ32×h60mm	75,000

(2) Heavy-duty Metal Coupling, with Short Flex-band, for Φ10~16mm Stir-Shafts Low-Flexible type, Ideal for High Viscosity and Middle/Low Speed

		Ea. Price, ₩
SL.StiC023	Stir-Coupling, Low-flex, Φ10mm Chuck rod, for-Φ10mm Stir-Shafts., 45g , Φ25×h30	31,500
SL.StiC024	-Φ12mm Stir-Shafts., , Φ25×h30	31,500
SL.StiC025	Stir-Coupling, Low-flex, Φ12mm Chuck rod, for-Φ12mm Stir-Shafts., 105g, Φ32×h38	42,000
SL.StiC026	-Φ14mm Stir-Shafts., , Φ32×h38	42,000
SL.StiC027	-Φ16mm Stir-Shafts., , Φ32×h38	42,000



SciLab® Stirrer-Guide/Seals, PTFE, for Φ8~Φ14mm Shafts, with 24/- & 34/-Joints
With 2 Bearings / Screw-Retainer / Viton O-ring, −180℃+260℃ Stable, <Korea-Made> PTFE **스터러 씰**

〈L1〉

(1) for Φ8mm Stir-Shafts

		Ea. Price,₩
SL.Ada405	for Φ8mm Rod, 24/40	45,900
SL.Ada407	, 34/45	51,000

(2) for Φ10mm Stir-Shafts

		Ea. Price,₩
SL.Ada409	for Φ10mm Rod, 24/40	46,750
SL.Ada411	, 34/45	51,000

(3) for Φ12 & 14mm Stir-Shafts

		Ea.	Price, ₩
SL.Ada413	PTFE Stir-Guide, for Φ12mm Rod, 34/45		51,000
SL.Ada415	, for Φ14mm Rod, 34/45		51,000

Multiuse Glass Screw-adapter Set, for (1) Vacu-Stirrer Guide or (2) Thermometer/Tubing Holder, for Φ6~12mm-Grip
With DURAN® PBT GL-Opentop Screwcap · PTFE-Silicone O-Ring Seal · Joint, Anti-Chemical, 200℃-stable, **다용도 스크류 어댑터 셋트**

■ ***Supplied by SciLab Korea*** ■ ***Custom-Made Available / 규격외 Items 자유롭게 주문하세요!***





↑ Figure of Components

(1) For Vacuum Stirrer Guide, for Φ8~12mm Stir-Shafts, with DURAN® GL25 & 32 Seal Kit & Joint

〈L1〉

① with ASTM 24/40~45/50 Joint

		Ea. Price,₩
SL.StiS241	for Φ8 mm Rod , GL25, 24/40	35,020
SL.StiS243	, 34/45	41,500
SL.StiS245	for Φ10mm Rod, GL25, 24/40	39,420
SL.StiS246	, 34/45	48,370
SL.StiS247	, GL32, 34/45	54,370
SL.StiS251	for Φ12mm Rod, GL32, 34/45	54,120
SL.StiS252	, 45/50	60,280

② with DIN 24/29~45/40 Joint

		Ea. Price,₩
SL.StiS241D	for Φ8 mm Rod , GL25, 24/29	35,240
SL.StiS243D	, 34/35	44,370
SL.StiS245D	for Φ10mm Rod, GL25, 24/29	39,640
SL.StiS246D	, 34/35	48,370
SL.StiS247D	, GL32, 34/35	53,270
SL.StiS251D	for Φ12mm Rod, GL32, 34/35	53,020
SL.StiS252D	, 45/40	66,670

(2) For Thermometer/Tube/Rod Holder, for Φ6 / 7mm Grip, with DURAN® GL14 Seal Kit & Joint

① with ASTM & 14/23 Joint

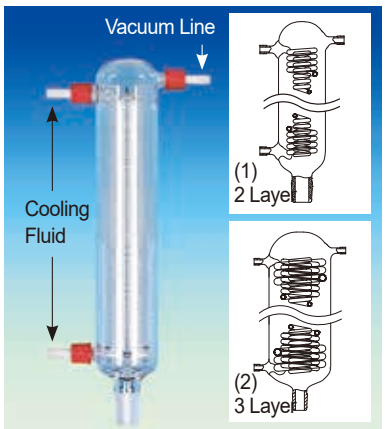
		Ea. Price,₩
SL.Ada2011	for Φ6/7mm grip, GL14, 14/23	24,830
SL.Ada2013	, 24/40	25,830

② with DIN Joint

		Ea. Price,₩
SL.Ada2011	for Φ6/7mm grip, GL14, 14/23	24,830
SL.Ada2015	, 24/29 *New*	26,040

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



Big Volume Reflux Condenser, Boro-glass 3.3, Ideal for Reactor 10~100 Lit
With Joint 24/29 · 34/35 · 45/40, and Safety "Screw-On" PP Connection, **대용량 반응조용 냉각기**

■ ***Made of Borosilicate Glass 3.3 : Supplied by SciLab Korea***
■ ***GL Screw Connection for Safety Working ; 3 "Screw-On" Plastic Hose Connection***
∗ GL18 / 25 PP-Kit for Easy and Safe Attachment of Rubber Hose for Cooling Fluid & Vacuum Line.
∗ Supplied with Detachable "Screw-On" Plastic Hose Connection

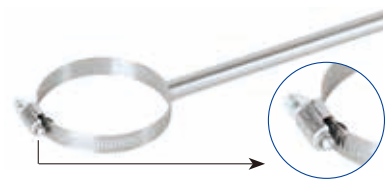
〈L1〉

(1) 2-Layer Coil Condenser for 10~50 Lit

		Ea. Price,₩
SL.Con2112	Reactor Condenser, GL18, for 10~20 Lit, od.100mm×h455mm, 24/29	542,350
SL.Con2113	, GL25, for 20~50 Lit, od.100mm×h595mm, 34/35	798,580

(2) 3-Layer Coil Condenser for 80~100 Lit

		Ea. Price,₩
SL.Con2115	Reactor Condenser, GL25, for 80~100 Lit, od.165mm×h645mm, 34/35	1,557,580
SL.Con2116	, 45/40	1,818,600



SciLab® Stainless-steel Condenser/Column Holding Clamp, 냉각기용 클램프

■ ***Made in Korea***
∗ Ideal for Various Big Volumed Condenser / Column ∗ Easy Adjust with Adjusting Screw Nut

〈L1〉

		Ea. Price,₩
SL.Cla7201	Clamp, SS, Band-type, Grip Capa. Φ50~75mm , Stem od13mm, Overall 350mm	11,800
SL.Cla7202	Φ85~115mm , , Overall 400mm	13,000
SL.Cla7203	Φ150~178mm, , Overall 450mm	14,200



Cowie® K-type PTFE Encapsulated Stainless-steel Thermocouple Probe, −180℃+280℃
With Miniplug & PFA Insulated 1 & 2m Cable, <UK-Made> PTFE **내약품/내부식/청결형 온도 프로브**

■ ***Ideal for Reactor : Especially Long Body Probe L100~700mm***
∗ Fully Pure PTFE Encapsulated Stainless-steel Core Probe for Rigidity, But can be Bent
∗ with Push-On Ferrule ∗ Response : 50% in 6~14 seconds, -180℃+280℃

〈L1〉

(1) With L100~L700mm Probe-body and 1m Cable

				Ea. Price,₩
CW.600.101.1	PTFE Capsulated K-probe, Body-Φ6×L100, Ferrule-L35mm, Total -L135mm			117,530
CW.600.201.1	-Φ7×L200,	-L40mm,	-L240mm	127,500
CW.600.301.1	-Φ8×L300,	-L40mm,	-L340mm	138,200
CW.600.401.1	-Φ8×L400,	-L50mm,	-L450mm	147,380
CW.600.501.1	-Φ9×L500,	-L60mm,	-L560mm	168,470
CW.600.601.1	-Φ9×L600,	-L60mm,	-L660mm	184,980
CW.600.701.1	-Φ9×L700,	-L45mm,	-L745mm	214,100

(2) With L900mm Probe-body and 2m Cable

		Ea. Price,₩
CW.600.901.1.2	PTFE Capsulated K-probe, body-Φ9×L900, Ferrule-L45, Total-L945mm	248,990



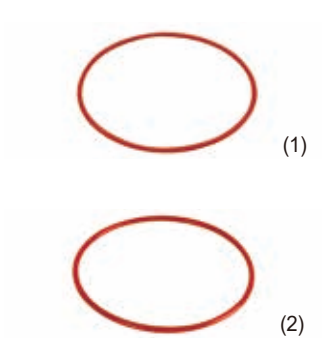
SciLab® Quick Release Clamp, Tensionable, for 45° DN Flanged Reactor Lids & Vessel
With 3 Retaining Clips, made of Rustless Stainless-steel, 45° DN-**표준 플렌지용(반응조) 신속 클램프**

■ ***Made in Korea*** ∗ Safety & Easy Operation : Quick Clamping & Release



〈L1〉

		Ea. Price,₩
SL.Cla7011	Clamps, React., for - DN 60 Flange (id 60×od100 mm)	49,050
SL.Cla7012	, for - DN100 Flange (id100×od138 mm)	51,980
SL.Cla7013	, for - DN120 Flange (id120×od158 mm)	56,700
SL.Cla7014	, for - DN150 Flange (id150×od184 mm)	62,780
SL.Cla7015	, for - DN200 Flange (id200×od242 mm)	74,250


(1)
(2)

SciLab® Fluoro-FEP and Silicone O-Ring, for Flange of Reaction Vessel
Ideal for Vacuum Seal, Reagent/Heat-resistant, −200℃+205℃(FEP), −50℃, **반응조용 O-링**

■ ***Supplied by SciLab Korea*** ■ ***Ideal for Vacuum Seal of Reactor Flange / Groove***
∗ Fluoro-Copolymer FEP : Excellent Chemical / Temp-resistance.

(1) Teflon FEP(Silicone Inserted) O-Ring
Red, −200℃+205℃

〈L1〉

		Ea. Price,₩
SL.ORi4014	FEP, DN 60, id Φ 75×t4mm	26,330
SL.ORi4015	, DN 100, id Φ110×t4mm	27,000
SL.ORi4016	, DN 120, id Φ133×t4mm	29,480
SL.ORi4017	, DN 150, id Φ157×t5mm	44,550
SL.ORi4018	, DN 200, id Φ215×t5mm	53,100

(2) Silicone O-Ring
Red, −50℃+200℃

		Ea. Price,₩
SL.ORi6011	Sili., DN 60, id Φ 75×t4mm	4,950
SL.ORi6012	, DN 100, id Φ110×t4mm	4,950
SL.ORi6013	, DN 120, id Φ133×t4mm	1,800
SL.ORi6014	, DN 150, id Φ157×t5.3mm	3,380
SL.ORi6015	, DN 200, id Φ215×t5.3mm	5,970

Articles	Cat. No	Description

Kern® Popular Portable Handheld Refractometer, Measurement of Sugar and Salt, Compact Size
With Wide Application Scopes, 휴대용 굴절계, 당도 및 염도 측정



■ ***Supplied by Kern® in Germany*** ■ ***자동 온도보정 기능으로 정확한 당도 및 염도 측정 가능***
■ ***The Handy and Robust Design Allows the Easy, Efficient and Sustainable Use in Every Life***
* The Optical System and the Prism Cover Made of Special Material which Allows a Low-Tolerance Measuring
* The Models Marked with "ATC" have an Automatic Temperature Compensation which Enables Accurate Measurement at Different Ambient Temperatures (10℃~30℃)
* Measurement Temperature without ATC : 20℃
* Dimensions (W×D×H) & Weight : 205×75×h55mm & Approx. 200g
▸ **Complete Set with : ① Refractometer, ② Storage Box, ③ Pipette, ④ Tools, ⑤ Cleaning Tissue, ⑥ Calibration Liquid**

(1) Sugar ; Suitable for the Measurement of the "BRIX" Value

* Determine the Sugar Content in Food, Especially in Fruit, Vegetables, Juice and Soft Drinks
* Serve for Monitoring Processes in the Industry (Coolant Monitoring, Oils, Lubricants and Fats).

Specifications & Ordering information

‹L1›

Cat. No.	Scales	Measuring Range	Division	ATC	Set. Price, ₩
KE.ORA.20BA	Brix	0 ~ 20 %	0.1 %	●	202,100
KE.ORA.32BA	Brix	0 ~ 32 %	0.2 %	●	202,100
KE.ORA.62BA	Brix	28 ~ 62 %	0.2 %	●	202,100
KE.ORA.82BB	Brix	45 ~ 82 %	0.5 %		191,450



Complete Set

(2) Salt ; Suitable For the Measurement And Concentration Control of the Mass

* Fraction of Natrium Chloride in Water as well as of the Content Of NaCl (Salt) in Water.
* Applications for Food industry, Restaurants, Large-scale Catering Establishment and Aquaristic.

Specifications & Ordering information

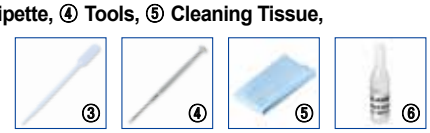
Cat. No.	Scales	Measuring Range	Division	ATC	Set. Price, ₩
KE.ORA.1SA	Salinity Specific Gravity	0 ~ 100 ‰ 1,000 ~ 1,070 sg	1 ‰ 0.001 sg	●	202,100
KE.ORA.2SA	Salt (NaCl)	0 ~ 28 %	0.2 %	●	202,100
KE.ORA.3SA	Salt (NaCl) Brix	0 ~ 28 % 0 ~ 32 %	0.2 % 0.2 %	●	202,100

Kern® Expert Handheld Refractometer, Measurement of Brix and Refractive Index
With a Special Large Measuring Range & Large Divided Scales, 전문가용 측정범위 조정형 굴절계, 당도 및 굴절률 측정



(1) KE.ORA.80BE

■ ***Supplied by Kern® in Germany*** ■ ***넓은 범위의 당도 및 굴절률 측정에 적합***
■ ***Thanks to Adjusting Wheel Measuring Range, Suitable for Determing the Refractive index of a Special Large Measuring Range***
■ ***With a Special Large Measuring Range for the Refractive Index and Large Divided Scales for the Measurement and Clear Reading of Brix Values***
* The Optical System and the Prism Cover are Made of Special Material which Allows a Low Tolerance Measuring.
* Dimensions of the Box : 205×75×h55mm * Net Weight Approx. 400g / 600g
* Product Length : Approx.180mm / 200mm
* Measurement Temperature without ATC (Automatic Temperature Compensation) : 20℃
* If the Temperature Deviates from 20℃, Correct the Measured Result using the Corresponding Value from the Temperature Correction Table (Please Refer to Manual, Can be Downloaded from "https://www.kern-sohn.com/en/")
▸ **Complete Set with : ① Refractometer, ② Storage Box, ③ Pipette, ④ Tools, ⑤ Cleaning Tissue, ⑥ Calibration Liquid for KE.ORA.80BE**





(2) KE.ORA.90BE / (3) KE.ORA.1RE

Specifications & Ordering information

‹L1›

Cat. No.	Scales	Measuring Range	Division	Set. Price, ₩
(1) KE.ORA.80BE	Brix	Scale(1)-a, 0~50 % Scale(1)-b, 50~80 %	0.5 % 0.5 %	331,090
(2) KE.ORA.90BE	Brix	Scale(2)-a, 0~42 % Scale(2)-b, 42~71 % Scale(2)-c, 71~90 %	0.2 % 0.2 % 0.2 %	744,930
(3) KE.ORA.1RE	Refractive Index	Scale(3)-a, 1.333~1.405 nD Scale(3)-b, 1.405~1.468 nD Scale(3)-c, 1.468~1.517 nD	0.005 nD 0.005 nD 0.005 nD	744,930

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description

Kern® Premium Digital Handheld Refractometer "ORM", IP65 Waterproof, Measurement of Sugar · Salt · Refractive Index
With Compact Size Body, Large Display, Multi-Application, 프리미엄 / 방수형 디지털 휴대용 굴절계, 당도 · 염도 · 굴절률 측정





'ORM' Complete Set

■ ***Supplied by Kern® in Germany*** ■ ***3-Year Warranty***
■ ***These Refractometers are Accurate, Universal and Maintenance-Free Digital handheld Refractometers***
■ ***The Typical and Practical Design is Ideal for a Quick and Convenient Everyday Use, Auto-OFF***
■ ***The Large, Easy-to-Read Display with Integrated Temperature Display Supports the User to Reliably Determine the Measurement.***

∗ The Instrument Comes with an Optimized Software that can Show a Result in Different Scales.
∗ The Integrated Automatic Temperature Compensation (ATC) ∗ IP65 : Protected Against Dust and Water Splashes
∗ Dimensions(W×D×H) & Weight : 121×58×25mm & Approx. 289g
∗ Measurement Temperature : 0℃~40℃ ∗ Minimum Sample Volume : 2 Drops
∗ Standard Batteries : 1×1.5V AAA, Operating Time : Approx. 10,000 Measurements
∗ Automatic Energy Management (AUTO-OFF After 60 Seconds)
▸ **Complete Set with for : ① Refractometer, ② Storage Box, ③ Pipette, ④ Tools**

(1) Sugar (Brix & Refractive Index) ; Suitable for the Measurement of the "BRIX" Value

∗ Determine the Sugar Content in Food, Especially in Fruit, Vegetables, Juice and Soft Drinks
∗ Serve for Monitoring Processes in the Industry (Coolant Monitoring, Oils, Lubricants and Fats).
∗ The Display can be Switched to Show the Refractive index. ∗ 2-Year Warranty for 'KE.ORM.50BM'

〈L1〉

Cat. No.	Scales	Measuring Range	Accuracy	Division	Price, ₩
KE.ORM.50BM	Brix Refractive Index	0~50 % 1.3330~1.4200 nD	±0.2 % ±0.0003 nD	0.1 % 0.0001 nD	787,040
KE.ORM.1RS	Brix Refractive index	0~94 % 1.3330~1.5177 nD	±0.2 % ±0.0003 nD	0.1 % 0.0001 nD	999,770

(2) Salt (Brix & Salt & Refractive Index) ; Suitable to Determine NaCl (Salt) Concentration in Water

∗ Applications for Food industry, Restaurants, Large-scale Catering Establishment and Canteens.

Cat. No.	Scales	Measuring Range	Accuracy	Division	Price, ₩
KE.ORM.1NA	Brix Salt (NaCl) Refractive index	0~28 % 0~28 % 1.3330~1.4100 nD	±0.2 % ±0.2 % ±0.0003 nD	0.1 % 0.1 % 0.0001 nD	787,050

Kern® Premium Digital Desktop Refractometer "ORL", High-Precision Measurement of Brix and Refractive Index
With Extra-Large Measuring Range and a High Degree of Accuracy, 프리미엄 / 실험실 및 산업용 굴절계, 당도 및 굴절률 측정





'ORL' Complete Set

■ ***Supplied by Kern® in Germany*** ■ ***3-Year Warranty***
■ ***This Refractometer is Accurate, Universal and Maintenance-Free Digital Desktop Refractometers***
■ ***The Handy Design is Ideal for a Quick and Convenient Everyday Use, Auto-OFF***
■ ***The Extra-Large Measuring Range and a High Degree of Accuracy for Brix Value and Refractive index***

∗ The Large Multi-Function Display with Integrated Temperature Display Supports the User to Reliably Determine the Measurement.
∗ Rapid Calibration of the Refractometer is Possible at any Time Using Standard Commercial Distilled Water.
∗ Dimensions(W×D×H) & Weight : 180×100×55mm & Approx. 365g (without Battery).
∗ Measurement Temperature : 0℃~40℃
∗ ATC (Automatic Temperature Compensation)
∗ Power Supply : USB connection, as an Alternative 1×Battery 3.7V 3000mA (Battery Sold Separately)
∗ Minimum Sample Volume : 0.3 ~ 0.4㎖
∗ Automatic Energy Management (AUTO-OFF After 3 Minutes)
∗ Mean value measurement (15 measurements)
▸ **Complete Set with : ① Refractometer, ② Storage Box, ③ Power Adapter, ④ USB Cable, ⑤ Pipette, ⑥ Tools**

Specifications & Ordering information

〈L1〉

Cat. No.	Scales	Measuring Range	Accuracy	Division	Price, ₩
KE.ORL.94BS	Brix Refractive Index	0~94 % 1.3330~1.5290 nD	±0.1 % ±0.0002 nD	0.1 % 0.0001 nD	1,903,690

DAIHAN Scientific

Refrigerators & ULT Freezers

DAIHAN SCIENTIFIC GROUP
Your Neighborhood Friend

Freezers, Bio −35℃ ····· P. 656
Freezers, Ultra Low Temp ····· P. 649~655
−95℃, Upright-type ····· P. 650
−86℃, Personal-type ····· P. 652
−86℃, Upright-type ····· P. 651
−45℃, Upright-type ····· P. 653
Freezer Accessories ; Racks & Freezer Boxes ····· P. 654~655
Refrigerators ····· P. 657~660
0~10℃ Laboratory Refrigerators ····· P. 657
2~10℃ Blood Bank Refrigerators ····· P. 658
2~10℃ Pharm Refrigerators ····· P. 659~660



DAIHAN® Innovation of Ultra Low Temp. Freezing System

Ⅰ. Double Security and Power Up - **DuoFreez™** Model
Ⅱ. Simple, High Efficiency and Green - **UniFreez™** Model

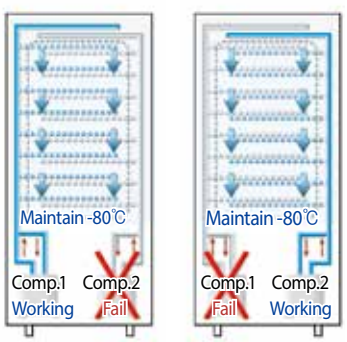
Ⅰ. −95℃ DuoFreez™ model ; Double Security & Robustness "Independent Dual Compressor Freezing System"

We Offer a Unique High-stability System Powered by Two Independent UniFreez™ System, Which Operates Independently.
Normally, Both Compressors would Run and It can Drop The Inner Storage Chamber's Temperature to -95℃ with DuoFreez™ System, in Circumstances of Unexpected Failure of One of The Compressors, The other UniFreez™ System would still Remain Working as a 'Back-Up' and Maintains Ultra Low Temperature of -80℃.
This Innovative Realizes Utmost Stability and Robustness, Which is Most Important Feature in ULT Freezer for the Customer

※ Independent SciLab® Dual Compressor Freezing System, For DuoFreez™ model

Double Security!

Even If One Compressor Fails
It Maintains -80℃ with the Other Compressor Alone.

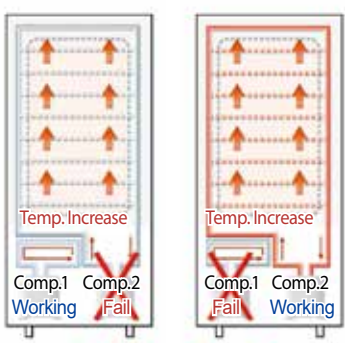


∗ Case 1 : Compressor2 Fail
∗ Case 2 : Compressor1 Fail

※ Typical Cascaded Compressor System, By Two Compressors

Temp. Increase

Even If One Compressor Fails
Temperature increases.

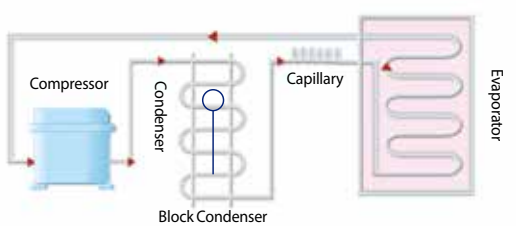


∗ Case 1 : Compressor2 Fail
∗ Case 2 : Compressor1 Fail

Ⅱ. −86℃ UniFreez™ model ; High Efficiency "Single Compressor Freezing System"

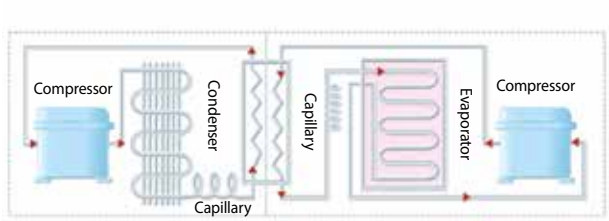
Most of Ultra Low Temperature Freezers, as Shown in The Following Diagram, Have Two Compressors Which Cooperates with Each Other to Drop The Internal Temperature Down to -86℃ and It's Overall Freezing Mechanism are Quite Complex.
However, Our Advanced System, UniFreez™ Only Uses a Single Compressor. Although UniFreez™ Has Just The Single Set of Compressor, Capillary Tube, Condenser, Evaporator. It Ensures The Temperature to Go Down to 86℃ by The Help of an Advanced Compressor Control Technology and The Process of Special Refrigerants Mixing.
UniFreez™ Overcomes Technical Complexity of The Typical Cascaded Double Compressor System. Simplification of Freezing Mechanism and Electricity Minimizes The Noise, Power Consumption and Operation Failures.

※ Innovated SciLab® Single Compressor Freezing System, For UniFreez™ model



Low Noise, Low Power Consumption and Simple Structure for Easy Maintenance

※ Typical Cascaded Compressor System, By Two Compressors



Articles	Cat. No	Description

DAIHAN® −95℃~−65℃ SMART Multiuse ULT Freezer, DuoFreez™ Double Security, *I. Medicaluse & II. Lab-use*

Smart-Lab™ with WiRe™ App, Programmable & Monitoring System, CFC-free Refrigerant, 393 · 503 · 714 · 812Lit

Ideal for Secure Storage of Vaccine · Viruses · Anatomy Components · Bio-products · DNA · Blood · Tissue Samples etc. in Lab & Industry

스마트 다용도 안전 초저온 백신냉동고, 백신 · 바이러스 · 해부조직물 · Bio물질 · DNA · 혈액 · 티슈시료 등을 안전 보관 유지용



ULT Freezer "Fre500-B95"



※Note! You can choose 4 or 5 Inner Doors Model



WiRe™ App Service

It is possible to monitor and control the Smart-Lab™ equipment through all mobile phone, tablet without restraint of time and place.

Controlled by Mobile-Phone

※ *Note! Optional Freezer Racks, Boxes, etc.*
⇒ *See the "Refrigerators, Freezer Accessories" Section*

- ***Supplied by DAIHAN Korea*** ■ ***GD(Good Design)-mark*** ■ ***PL(Product Liability) Insurance***
- ***With Certificate · Traceability · Delivery-information ; Controlled by Serial Number***
- ***DuoFreez™ System can Down to -95℃ and High-stability System can be offered ; If One Freezing System Fails in operation The Other One System Still Maintains Down to −80℃***
- ***Smart-Lab™ Control : Remote Controlled by Mobile-Phone with WiRe™ App Service***
  - Internet Connectivity with WiFi. - Storage Management & Automatic Temp Data Recording.
  - Ergonomic 7″ Full Touch Screen TFT LCD ; Easy Monitoring and Control.
  - Self-Diagnostic Function : Built in Standard Warning and Alarm Function

∗ High-quality Insulation Panel and Inner Doors ensure Defrosting around Outer Surface
∗ Automatic Vacuum Breaker : Easy to re-open the Door
∗ Robust & Flexible Design of Door Handle ∗ External Temp Sensor Hole
∗ Filter-free Mechanism Lowers Heat Generated by the Compressor

I. Medicaluse Approved Model ; Built-in Temp Chart Recorder
II. Laboratory / Standard Model ; Without Recorder

Specifications & Ordering information

<M1>

I. Medicaluse Approved		"Fre400-B95" Max. 393Lit	"Fre500-B95" Max. 503Lit	"Fre700-B90" Max. 714Lit	"Fre800-B90" Max. 812Lit
		with Built in Temp Chart Recorder Record Range : -100℃ ~ 0℃, divi 2℃ ; 7days/1Chart, 60Charts/Cs.			
II. Laboratory / Standard		**"Fre400-95" Max. 393Lit**	**"Fre500-95" Max. 503Lit**	**"Fre700-90" Max. 714Lit**	**"Fre800-90" Max. 812Lit**
		without Temp Chart Recorder			
Capacity		393 Lit	503 Lit	714 Lit	812 Lit
Temp Range		−95℃~−65℃		−90℃~−65℃	
		at R/T of 30℃ and Humidity of 70%			
Temp Resolution & Sensor		1℃ - Display, 1℃ - Control & PT100 Sensor			
Compressor		Hermetic-type			
Condenser-type		Block Condenser, No Pin, Filter Free Mechanism			
Refrigerant		CFC Free Mixed Gas Refrigerant(DH.MGR)			
Controller		Smart-Lab™ ; 7″ Full Touch Screen TFT LCD			
Shelf(Included)		3ea(4-Inner Door), 4ea(5-Inner Door) Perforated Stainless-steel Shelves			
Max. Q'ty of Racks	**4-Inner Door (Height 31.2 cm)**	16pcs of 15(5×3)-Placed Rack (RFU4234)	16pcs of 20(5×4)-Placed Rack (RFU4257)	24pcs of 20(5×4)-Placed Rack (RFU4257)	28pcs of 20(5×4)-Placed Rack (RFU4257)
	5-Inner Door (Height 25.2 cm)	20pcs of 12(4×3)-Placed Rack (RFU5234)	20pcs of 16(4×4)-Placed Rack (RFU5257)	30pcs of 16(4×4)-Placed Rack (RFU5257)	35pcs of 16(4×4)-Placed Rack (RFU5257)
Material	**Internal**	Stainless-steel(#304)			
	External	Powder Coated Steel			
	Inner Door	Powder Coated Stainless-steel(#304)			
Dimension (w×d×h)	**Internal (cm)**	60×50×131	60×64×131	88×62×131	100×62×131
	External (cm)	84×75×190	84×89×190	112×87×190	124×87×190
Weight		260 kg	300 kg	320 kg	380 kg
Packing Size(w×d×h) (cm) & Gross Weight		116×116×222 352 kg	116×124×222 392 kg	140×140×221 442 kg	152×140×221 502 kg
Energy Consumption at 80℃		1100VA	1380VA	1850VA	2300VA
Electric Reqts.		1 Phase, AC120V, 60Hz or AC 230V, 50/60Hz			

I. Medicaluse Approved Model ; Built-in Temp Chart Recorder

Cat. No. (4-Inner Door)	**230V**	**DH.FreB9400**	**DH.FreB9500**	**DH.FreB9700**	**DH.FreB9800**
	120V	**DH.FreB9401**	**DH.FreB9501**	**DH.FreB9701**	**DH.FreB9801**
Price, Each. ₩		12,470,000	13,068,000	13,240,000	13,710,000

II. Laboratory / Standard Model ; Without Recorder

Cat. No. (4-Inner Door)	**230V**	**DH.FreL9400**	**DH.FreL9500**	**DH.FreL9700**	**DH.FreL9800**
	120V	**DH.FreL9401**	**DH.FreL9501**	**DH.FreL9701**	**DH.FreL9801**
	230V/50Hz	-	-	-	**DH.FreL9850**
Price, Each. ₩		10,858,000	11,225,000	11,428,000	11,834,000
Cat. No. (5-Inner Door)	**230V**	**DH.FreL94005**	**DH.FreL95005**	**DH.FreL97005**	**DH.FreL98005**
	120V	**DH.FreL94015**	**DH.FreL95015**	**DH.FreL97015**	**DH.FreL98015**
	230V/50Hz	-	-	-	**DH.FreL98505**
Price, Each. ₩		10,858,000	11,225,000	11,428,000	11,834,000

* Other Specifications are available upon Customer's Request.

※ 운임 별도

※ The Price(VAT is extra) for Korean End-user, and Changeable.

DAIHAN® −86℃~−65℃ SMART Multiuse ULT Freezer, UniFreez™ Single Compressor, I. Medicaluse & II. Lab-use

Smart-Lab™ with WiRe™ App, Programmable & Monitoring System, CFC-free Refrigerant, 393 · 503 · 714 · 812Lit

Ideal for Secure Storage of Vaccine · Viruses · Anatomy Components · Bio-products · DNA · Blood · Tissue Samples etc. in Lab & Industry

스마트 다용도 안전 초저온 백신냉동고, 백신 · 바이러스 · 해부조직물 · Bio물질 · DNA · 혈액 · 티슈시료 등을 안전 보관 유지용



ULT Freezer "Fre500-B86"



※Note! You can choose 4 or 5 Inner Doors Model



It is possible to monitor and control the Smart-Lab™ equipment through all mobile phone, tablet without restraint of time and place.

Controlled by Mobile-Phone

※ *Note! Optional Freezer Racks, Boxes, etc.*
⇒ See the "Refrigerators, Freezer Accessories" Section

- ***Supplied by DAIHAN Korea*** ■ ***GD(Good Design)-mark*** ■ ***PL(Product Liability) Insurance***
- ***With Certificate · Traceability · Delivery-information ; Controlled by Serial Number***
- ***UniFreez™ Single Freezing System : Ensure Robust and Long Life-cycle***
- ***Smart-Lab™ Control : Remote Controlled by Mobile-Phone with WiRe™ App Service***
  - Internet Connectivity with WiFi. - Storage Management & Automatic Temp Data Recording.
  - Ergonomic 7″ Full Touch Screen TFT LCD ; Easy Monitoring and Control.
  - Self-Diagnostic Function : Built in Standard Warning and Alarm Function
- ∗ High-quality Insulation Panel and Inner Doors ensure Defrosting around Outer Surface
- ∗ Automatic Vacuum Breaker : Easy to re-open the Door
- ∗ Robust & Flexible Design of Door Handle ∗ External Temp Sensor Hole
- ∗ Filter-free Mechanism Lowers Heat Generated by the Compressor

I. Medicaluse Approved Model ; Built-in Temp Chart Recorder
II. Laboratory / Standard Model ; Without Recorder

Specifications & Ordering information

〈M1〉

I. Medicaluse Approved		"Fre400-B86" Max. 393Lit	"Fre500-B86" Max. 503Lit	"Fre700-B80" Max. 714Lit	"Fre800-B80" Max. 812Lit
		with Built in Temp Chart Recorder Record Range : -100℃~0℃, divi 2℃ ; 7days/1Chart, 60Charts/Cs.			
II. Laboratory / Standard		"Fre400-86" Max. 393Lit	"Fre500-86" Max. 503Lit	"Fre700-80" Max. 714Lit	"Fre800-80" Max. 812Lit
		without Temp Chart Recorder			
Capacity		393 Lit	503 Lit	714 Lit	812 Lit
Temp Range		−86℃~−65℃		−80℃~−65℃	
		at R/T of 30℃ and Humidity of 70%			
Temp Resolution & Sensor		1℃ - Display, 1℃ - Control & PT100 Sensor			
Compressor		Hermetic-type			
Condenser-type		Block Condenser, No Pin, Filter Free Mechanism			
Refrigerant		CFC Free Mixed Gas Refrigerant(DH.MGR)			
Controller		Smart-Lab™ ; 7″ Full Touch Screen TFT LCD			
Shelf(Included)		3ea(4-Inner Door), 4ea(5-Inner Door) Perforated Stainless-steel Shelves			
Max. Q'ty of Racks	4-Inner Door (Height 31.2 cm)	16pcs of 15(5×3)-Placed Rack (RFU4234)	16pcs of 20(5×4)-Placed Rack (RFU4257)	24pcs of 20(5×4)-Placed Rack (RFU4257)	28pcs of 20(5×4)-Placed Rack (RFU4257)
	5-Inner Door (Height 25.2 cm)	20pcs of 12(4×3)-Placed Rack (RFU5234)	20pcs of 16(4×4)-Placed Rack (RFU5257)	30pcs of 16(4×4)-Placed Rack (RFU5257)	35pcs of 16(4×4)-Placed Rack (RFU5257)
Material	Internal	Stainless-steel(#304)			
	External	Powder Coated Steel			
	Inner Door	Powder Coated Stainless-steel(#304)			
Dimension (w×d×h)	Internal (cm)	60×50×131	60×64×131	88×62×131	100×62×131
	External (cm)	84×75×190	84×89×190	112×87×190	124×87×190
Weight		260 kg	300 kg	320 kg	380 kg
Packing Size(w×d×h) (cm) & Gross Weight		116×116×222 352 kg	116×124×222 392 kg	140×140×221 442 kg	152×140×221 502 kg
Energy Consumption at 80℃		1100VA	1380VA	1850VA	2300VA
Electric Reqts.		1 Phase, AC120V, 60Hz or AC 230V, 50/60Hz			

I. Medicaluse Approved Model ; Built-in Temp Chart Recorder

Cat. No. (4-Inner Door)	230V	DH.FreB8400	DH.FreB8500	DH.FreB8700	DH.FreB8800
	120V	DH.FreB8401	DH.FreB8501	DH.FreB8701	DH.FreB8801
Price, Each. ₩		10,577,000	10,947,000	11,070,000	12,124,000

II. Laboratory / Standard Model ; Without Recorder

Cat. No. (4-Inner Door)	230V	DH.FreL8400	DH.FreL8500	DH.FreL8700	DH.FreL8800
	120V	DH.FreL8401	DH.FreL8501	DH.FreL8701	DH.FreL8801
	230V/50Hz	-	-	-	DH.FreL8850
Price, Each. ₩		8,745,000	9,085,000	9,245,000	9,467,000
Cat. No. (5-Inner Door)	230V	DH.FreL84005	DH.FreL85005	DH.FreL87005	DH.FreL88005
	120V	DH.FreL84015	DH.FreL85015	DH.FreL87015	DH.FreL88015
	230V/50Hz	-	-	-	DH.FreL88505
Price, Each. ₩		8,745,000	9,085,000	9,245,000	9,467,000

∗ Other Specifications are available upon Customer's Request. ※ 운임 별도

DAIHAN® −86℃~−65℃ Personal SMART Multiuse ULT Freezer, UniFreez™ Single Compressor, I. Medicaluse & II. Lab-use

Smart-Lab™ with WiRe™ App, Programmable & Monitoring System, CFC-free Refrigerant, Upright- & Under Bench-type, 25 · 82Lit

Ideal for Secure Storage of Vaccine · Viruses · Anatomy Components · Bio-products · DNA · Blood · Tissue Samples etc. in Lab & Industry

퍼스널(소형) 스마트 다용도 안전 초저온 백신냉동고, 백신 · 바이러스 · 해부조직물 · Bio물질 · DNA · 혈액 · 티슈시료 등을 안전 보관 유지용



2-Year Warranty

(2) 25Lit Laboratory ULT Freezer



2-Year Warranty

(3) 82Lit Medicaluse Approved ULT Freezer



2-Year Warranty

(6) 82Lit Lab. ULT Freezer Under Bench-type

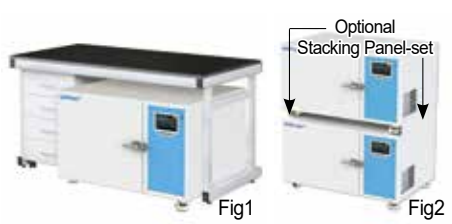


Fig1 ; Under-bench Installation
Fig2 ; 2 unit Stacked with Optional Stacking Panel-set



WiRe™ App Service

It is possible to monitor and control the Smart-Lab™ equipment through all mobile phone, tablet without restraint of time and place.

Controlled by Mobile-Phone

- ***Supplied by DAIHAN Korea*** ■ ***CE Certified*** ■ ***PL (Product Liability) Insurance***
- ***UL, CUL Certified and GD mark(Only 82Lit Model)***
- ***With Certificate · Traceability · Delivery-information ; Controlled by Serial Number***
- ***UniFreez™ Single Freezing System : Ensure Robust and Long Life-cycle***
- ***Smart-Lab™ Control : Remote Controlled by Mobile-Phone with WiRe™ App Service***
  - Internet Connectivity with WiFi. - Storage Management & Automatic Temp Data Recording.
  - Ergonomic 7″ Full Touch Screen TFT LCD ; Easy Monitoring and Control.
  - Self-Diagnostic Function : Built in Standard Warning and Alarm Function

∗ Easy Maintenance and Improved Performance ∗ Robust & Flexible Design of Door Handle
∗ High-quality Insulation Panel and Inner Doors ensure Defrosting around Outer Surface.
∗ CFC-free Mixed Gas Refrigerant is used. ∗ External Temp Sensor Hole
∗ Filter-free Mechanism Lowers Heat Generated by the Compressor

I. Medicaluse Approved Model ; Built-in Temp Chart Recorder

II. Laboratory / Standard Model ; Without Recorder

Specifications & Ordering information

〈M1〉

Spec. \ Model-type		Upright-type		Under Bench-type
I. Medicaluse Approved		(1) "Fre25-B86" Max. 25Lit	(3) "Fre80-B86" Max. 82Lit	(5) "Fre80-B86U" Max. 82Lit
		with Built in Temp Chart Recorder Record Range : -100℃ ~ 0℃, divi 2℃ ; 7days/1Chart, 60Charts/Cs.		
II. Laboratory / Standard		(2) "Fre25-86" Max. 25Lit	(4) "Fre80-86" Max. 82Lit	(6) "Fre80-86U" Max. 82Lit
		without Temp Chart Recorder		
Capacity		25 Lit	82 Llt	
Temp Range		−86℃~−65℃ at R/T of 30℃ and Humidity of 70%		
Temp Resolution & Sensor		1℃ - Display, 1℃ - Control & PT100 Sensor		
Compressor		Hermetic-type		
Condenser-type		Block Condenser, No Pin, Filter Free Mechanism		
Refrigerant		CFC Free Mixed Gas Refrigerant(DH.MGR)		
Controller		Digital Feedback Controller	Smart-Lab™ ; 7″ Full Touch Screen TFT LCD	
Shelf(Included)		None	1ea Stainless-steel Shelf	None
Inner Door		None	2 Door Height 252mm	None
Max. Q'ty of Racks		None, Only 10~15 Boxes are applicable	4pcs of 12(4×3)-Placed Rack (RFU5234)	3pcs of 12(4×3)-Placed Rack or Max. 54 Box without Rack
Material	Internal	Stainless-steel(#304)		
	External	Powder Coated Steel		
	Inner Door	Powder Coated Stainless-steel(#304)		
Dimension (w×d×h)	Internal (cm)	20×42×30	34×48.5×52	52×48.5×34
	External (cm)	39×62.7×78.5	53×68.7×106	106.5×72.2×61.2
Weight		52 kg	60 kg	
Packing Size(w×d×h) (cm) & Gross Weight		88×86×130 69 kg	96×76×135 102 kg	135×76×96
Energy Consumption at -80℃		650VA	710VA	
Electric Reqts.		1Phase, AC 120V, 60Hz or AC 230V, 50/60Hz		

I. Medicaluse Approved Model ; Built-in Temp Chart Recorder

Cat. No.	230V	DH.FreB8025	DH.FreB8080	DH.FreB8080U
	120V	DH.FreB8026	DH.FreB8081	DH.FreB8081U
Price, Each. ₩		6,087,000	7,163,000	6,769,000

II. Laboratory / Standard Model ; Without Recorder

Cat. No.	230V	DH.FreL8025	DH.FreL8080	DH.FreL8080U
	120V	DH.FreL8026	DH.FreL8081	DH.FreL8081U
Price, Each. ₩		4,162,000	5,352,000	4,958,000

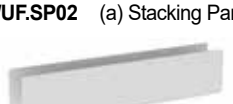
∗ Other Specifications are available upon Customer's Request.

※ 운임 별도

Optional Stacking Panel-set for Under Bench-type

Set.	Price, ₩
2ea	68,000

DH.SWUF.SP02 (a) Stacking Panel-set, 590×126mm(3mm Thickness)



(a)

※ *Note! Optional Freezer Racks*
⇒ See the "Refrigerators, Freezer Accessories" Section

※ The Price(VAT is extra) for Korean End-user, and Changeable.

DAIHAN® −45℃~−15℃ SMART Multiuse Freezer "Fre-B45", UniFreez™ Single Compressor, *Medicaluse*

Smart-Lab™ with WiRe™ App, Programmable & Monitoring System, CFC-free Refrigerant, 393 · 503 · 714 · 812Lit

Ideal for Secure Storage of Vaccine · Viruses · Anatomy Components · Bio-products · DNA · Blood · Tissue Samples etc. in Lab & Industry

스마트 다용도 안전 초저온 백신냉동고, 백신 · 바이러스 · 해부조직물 · Bio물질 · DNA · 혈액 · 티슈시료 등을 안전 보관 유지용



Freezer "Fre500-B45"



Fig. 5-Chamber & 5-Inner Door



It is possible to monitor and control the Smart-Lab™ equipment through all mobile phone, tablet without restraint of time and place.

Controlled by Mobile-Phone

- ***Supplied by DAIHAN Korea*** ■ ***PL (Product Liability) Insurance***
- ***With Certificate · Traceability · Delivery-information ; Controlled by Serial Number***
- ***UniFreez™ Single Freezing System : Ensure Robust and Long Life-cycle***
- ***Smart-Lab™ Control : Remote Controlled by Mobile-Phone with WiRe™ App Service***
  - Internet Connectivity with WiFi. - Storage Management & Automatic Temp Data Recording.
  - Ergonomic 7″ Full Touch Screen TFT LCD ; Easy Monitoring and Control.
  - Self-Diagnostic Function : Built in Standard Warning and Alarm Function

∗ Easy Maintenance and Improved Performance
∗ High-quality Insulation Panel and Inner Doors ensure Defrosting around Outer Surface
∗ Automatic Vacuum Breaker : Easy to re-open the Door
∗ Robust & Flexible Design of Door Handle ∗ External Temp Sensor Hole
∗ Filter-free Mechanism Lowers Heat Generated by the Compressor

Specifications & Ordering information

〈M1〉

Medicaluse Approved		"Fre400-B45" Max. 393Lit	"Fre500-B45" Max. 503Lit	"Fre700-B45" Max. 714Lit	"Fre800-B45" Max. 812Lit
		with Built in Temp Chart Recorder Record Range : -100℃~0℃, divi 2℃ ; 7days/1Chart, 60Charts/Cs.			
Capacity		393 Lit	503 Lit	714 Lit	812 Lit
Temp Range		−45℃~−15℃ at R/T of 30℃ and Humidity of 70%			
Temp Resolution & Sensor		1℃ - Display, 1℃ - Control & PT100 Sensor			
Compressor		Hermetic-type			
Condenser-type		Block Condenser, No Pin, Filter Free Mechanism			
Refrigerant		CFC Free Mixed Gas Refrigerant(DH.MGR)			
Controller		Smart-Lab™ ; 7″ Full Touch Screen TFT LCD			
Shelf (Included)		3ea Perforated Stainless-steel Shelves			
Inner Door		5-Door(Height 25.2cm)			
Max. Q'ty of Racks		20pcs of 12(4×3)-Placed Rack (RFU5234)	20pcs of 16(4×4)-Placed Rack (RFU5257)	30pcs of 16(4×4)-Placed Rack (RFU5257)	35pcs of 16(4×4)-Placed Rack (RFU5257)
Material	Internal	Stainless-steel(#304)			
	External	Powder Coated Steel			
	Inner Door	Powder Coated Stainless-steel(#304)			
Dimension (w×d×h)	Internal (cm)	60×50×131	60×64×131	88×62×131	100×62×131
	External (cm)	84×75×190	84×89×190	112×87×190	124×87×190
Weight		210 kg	240 kg	320 kg	350 kg
Packing Size(w×d×h) (cm) & Gross Weight		116×116×222 296 kg	116×124×222 327 kg	140×140×221 442 kg	170×140×221 492 kg
Power Consumption		720VA	720VA	720VA	1100VA
Electric Reqts.		1 Phase, AC120V, 60Hz or AC 230V, 50/60Hz			
Cat. No.	230V	DH.FreB34005	DH.FreB35005	DH.FreB37005	DH.FreB38005
	120V	DH.FreB34015	DH.FreB35015	DH.FreB37015	DH.FreB38015
Price, Each. ₩		10,684,000	11,057,000	11,183,000	12,247,000

* Other Specifications are available upon Customer's Request.

※ 운임 별도

※ *Note! Optional Freezer Racks, Boxes, etc.*
⇒ *See the "Refrigerators, Freezer Accessories" Section*

Articles	Cat. No	Description



(1) Sliding Drawer-type Rack, 15 Place
"RFU4234SD"

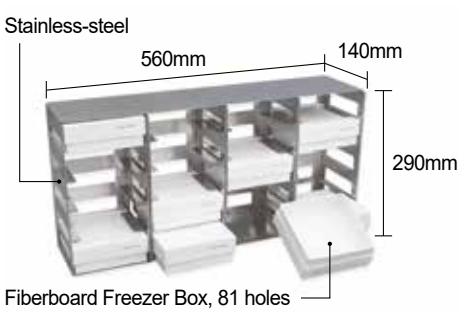
Optional Freezer Rack, Sliding Drawer-type & Side Access-type
For DAIHAN® Freezer, Stainless-steel(304)

■ ***Supplied by DAIHAN Korea*** ＊ Not Include Freezer Boxes

(1) Sliding Drawer-type for 0.5~2㎖, 3~4㎖, 5㎖ Vial Box

〈L1〉

Cat. Number	Model	Rack Size(mm) (w×d×h)	Freezer Box & No. of Box	Freezer Capacity (No. of Rack)	Ea. Price, ₩
For 80Lit & 80Lit Under					
DH.RFU5234SD	**"RFU5234SD"**	140×420×232	0.5~2㎖, 12(4×3)	80Lit (4ea) 80Lit Under (3ea)	105,000
DH.RFU5434SD	**"RFU5434SD"**	140×420×171	3~4㎖, 6(2×3)		108,750
DH.RFU5534SD	**"RFU5534SD"**	140×420×211	5㎖, 6(2×3)		108,750
For 3 Door-type 300Lit					
DH.RFU5257SD	**"RFU5257SD"**	140×560×232	0.5~2㎖, 16(4×4)	300Lit(12ea)	108,750
DH.RFU5457SD	**"RFU5457SD"**	140×560×171	3~4㎖, 8(2×4)		108,750
DH.RFU5557SD	**"RFU5557SD"**	140×560×211	5㎖,8(2×4)		108,750
For 4 Door-type 400 · 500 · 700 · 800Lit					
DH.RFU4234SD	**"RFU4234SD"**	140×420×290	0.5~2㎖, 15(5×3)	400Lit(16ea)	105,000
DH.RFU4434SD	**"RFU4434SD"**	140×420×256	3~4㎖, 9(3×3)		108,750
DH.RFU4534SD	**"RFU4534SD"**	140×420×311	5㎖, 9(3×3)		108,750
DH.RFU4257SD	**"RFU4257SD"**	140×560×290	0.5~2㎖, 20(5×4)	500Lit(16ea)	108,750
DH.RFU4457SD	**"RFU4457SD"**	140×560×256	3~4㎖, 12(3×4)	700Lit(24ea)	108,750
DH.RFU4557SD	**"RFU4557SD"**	140×560×311	5㎖, 12(3×4)	800Lit(28ea)	108,750
For 5 Door-type 400 · 500 · 700 · 800Lit					
DH.RFU5234SD	**"RFU5234SD"**	140×420×232	0.5~2㎖, 12(4×3)	400Lit(20ea)	105,000
DH.RFU5434SD	**"RFU5434SD"**	140×420×171	3~4㎖, 6(2×3)		108,750
DH.RFU5534SD	**"RFU5534SD"**	140×420×211	5㎖, 6(2×3)		108,750
DH.RFU5257SD	**"RFU5257SD"**	140×560×232	0.5~2㎖, 16(4×4)	500Lit(20ea)	108,750
DH.RFU5457SD	**"RFU5457SD"**	140×560×171	3~4㎖, 8(2×4)	700Lit(30ea)	108,750
DH.RFU5557SD	**"RFU5557SD"**	140×560×211	5㎖, 8(2×4)	800Lit(35ea)	108,750



(2) Side Access-type Rack, 20 Place
"RFU4257SA"

(2) Side Access-type for 0.5~2㎖, 3~4㎖, 5㎖ Vial Box

Cat. Number	Model	Rack Size(mm) (w×d×h)	Freezer Box & No. of Box	Freezer Capacity (No. of Rack)	Ea. Price, ₩
For 80Lit & 80Lit Under					
DH.RFU5234SA	**"RFU5234SA"**	140×420×232	0.5~2㎖, 12(4×3)	80Lit (4ea) 80Lit Under (3ea)	105,000
DH.RFU5434SA	**"RFU5434SA"**	140×420×171	3~4㎖, 6(2×3)		108,750
DH.RFU5534SA	**"RFU5534SA"**	140×420×211	5㎖, 6(2×3)		108,750
For 3 Door-type 300Lit					
DH.RFU5257SA	**"RFU5257SA"**	140×560×232	0.5~2㎖, 16(4×4)	300Lit(12ea)	108,750
DH.RFU5457SA	**"RFU5457SA"**	140×560×171	3~4㎖, 8(2×4)		108,750
DH.RFU5557SA	**"RFU5557SA"**	140×560×211	5㎖,8(2×4)		108,750
For 4 Door-type 400 · 500 · 700 · 800Lit					
DH.RFU4234SA	**"RFU4234SA"**	140×420×290	0.5~2㎖, 15(5×3)	400Lit(16ea)	105,000
DH.RFU4434SA	**"RFU4434SA"**	140×420×256	3~4㎖, 9(3×3)		108,750
DH.RFU4534SA	**"RFU4534SA"**	140×420×311	5㎖, 9(3×3)		108,750
DH.RFU4257SA	**"RFU4257SA"**	140×560×290	0.5~2㎖, 20(5×4)	500Lit(16ea)	108,750
DH.RFU4457SA	**"RFU4457SA"**	140×560×256	3~4㎖, 12(3×4)	700Lit(24ea)	108,750
DH.RFU4557SA	**"RFU4557SA"**	140×560×311	5㎖, 12(3×4)	800Lit(28ea)	108,750
For 5 Door-type 400 · 500 · 700 · 800Lit					
DH.RFU5234SA	**"RFU5234SA"**	140×420×232	0.5~2㎖, 12(4×3)	400Lit(20ea)	105,000
DH.RFU5434SA	**"RFU5434SA"**	140×420×171	3~4㎖, 6(2×3)		108,750
DH.RFU5534SA	**"RFU5534SA"**	140×420×211	5㎖, 6(2×3)		108,750
DH.RFU5257SA	**"RFU5257SA"**	140×560×232	0.5~2㎖, 16(4×4)	500Lit(20ea)	108,750
DH.RFU5457SA	**"RFU5457SA"**	140×560×171	3~4㎖, 8(2×4)	700Lit(30ea)	108,750
DH.RFU5557SA	**"RFU5557SA"**	140×560×211	5㎖, 8(2×4)	800Lit(35ea)	108,750

※ The Price(VAT is extra) for Korean End-user, and Changeable.



(1) Hard Board Storage Box



(2) & (3) White Box



(4) 5 Color Assorted Box-Set



(5) 4 Color Hinged Box

Optional Cardboard Freezer Box

■ ***Supplied by SciLab Korea***

(1) for 1.5/2.0㎖ Cryovial/Microtube, 81 Holes Cell Φ13mm, Hard Board Storage Box with Hard Board / Polypropylene Divider

〈L1〉

		Ea.	Price, ₩
SL.Box901	Hard Board Box, w/ **Hard Board** Divider, 81Holes×Φ13mm, 133×133×h52mm		2,630
SL.Box902	, w/ **PP** Divider , 81Holes×Φ13mm, 133×133×h52mm		2,630

(2) for 0.5~2㎖ Cryovial/Microtube, 81 & 100 Holes White Box 133×133×h52mm

		Ea.	Price,₩	Cs.	Price, ₩
SL.Box9001	Hard Board Box, White, h52mm, 81Holes×Φ13mm		3,920	100ea	357,420
SL.Box9002	, 100Holes×Φ12mm		3,920	100ea	357,420

(3) for 3/4㎖ Cryovial, 81 & 100 Holes White Box 133×133×h77mm

		Ea.	Price,₩	Cs.	Price, ₩
SL.Box9003	Hard Board Box, White, h77mm, 81Holes×Φ13mm		4,830	100ea	444,470
SL.Box9004	, 100Holes×Φ12mm		4,830	100ea	444,470

(4) for 0.5~2㎖ Cryovial/Microtube, 81 & 100 Holes, 133×133×h52mm 5 Colors Assorted Box-Set : Blue·Green·Pink·Yellow·White-Assorted

		Set.	Price,₩	Cs.	Price, ₩
SL.Box9005	5 color Hard Board Box set, h52mm, 81Holes×Φ13mm	5ea	21,570	25set	398,650
SL.Box9006	, 100Holes×Φ12mm	5ea	21,570	25set	398,650

(5) for 0.5~2㎖ Cryovial/Microtube, 4 Color Cardboard Freezer Box, 81 & 100 Holes 133×133×h52mm

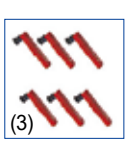
∗ 81-Holes Box Dimensions : 133×133×h52mm, 81Holes×Φ13mm
∗ 100-Holes Box Dimensions : 133×133×h52mm, 100Holes×Φ12mm

Cat. No.	81-holes Color	Ea. Price, ₩
SL.Box9014.B	Blue	2,630
SL.Box9014.G	Green	2,630
SL.Box9014.O	Orange	2,630
SL.Box9014.W	White	2,630

Cat. No.	100-holes Color	Ea. Price, ₩
SL.Box9015.B	Blue	2,630
SL.Box9015.G	Green	2,630
SL.Box9015.O	Orange	2,630
SL.Box9015.W	White	2,630


(1)


(2)


(3)


(4)


(5)

Optional Recorder · LCO_2 Back up System · Remote Alarm System

〈L1〉

		Ea.	Price, ₩
DH.KT622	(1) Built-in Temp Chart Recorder, "**KT622**", with "**C657**" Chart Paper Record Range : -100℃ ~ 0℃, divi 2℃ ; 7days/1Chart, 60Charts/Cs.		1,415,000
DH.C657	(2) Chart Paper, **"C657"**, 60 Charts, for 420 days recording		115,000
DH.P222	(3) Replacement Pens, **"P222",** 6ea Red color, for **"KT622"** Chart Recorder		130,000
DH.LCO2B	(4) LCO_2 Back up System, **"LCO2B"**		1,142,500
DH.RWAS	(5) Remote Wire/Wireless Alarm System, **"RWAS"**		800,000

Freezer with Validation (IQ, OQ) Service

(1) Laboratory Freezer

〈L1〉

Cat. No.	Model	Price, ₩
DH.FreL9400.VS	"Fre400-95"	
DH.FreL9500.VS	"Fre500-95"	
DH.FreL9700.VS	"Fre700-90"	
DH.FreL9800.VS	"Fre800-90"	
DH.FreL94005.VS *	"Fre400-95"	
DH.FreL95005.VS *	"Fre500-95"	
DH.FreL97005.VS *	"Fre700-90"	
DH.FreL98005.VS *	"Fre800-90"	
DH.FreL8400.VS	"Fre400-86"	
DH.FreL8500.VS	"Fre500-86"	

Cat. No.	Model	Price, ₩
DH.FreL8700.VS	"Fre700-80"	
DH.FreL8800.VS	"Fre800-80"	
DH.FreL84005.VS *	"Fre400-86"	
DH.FreL85005.VS *	"Fre500-86"	
DH.FreL87005.VS *	"Fre700-80"	
DH.FreL88005.VS *	"Fre800-80"	
DH.FreL8025.VS	"Fre25-86"	
DH.FreL8080.VS	"Fre80-86"	
DH.FreL8080U.VS	"Fre80-86U"	

*** 5-Inner Door**

(2) Vaccine · Pharmaceutical & Blood Bank Freezer

Cat. No.	Model	Price, ₩
DH.FreB9400.VS	"Fre400-B95"	
DH.FreB9500.VS	"Fre500-B95"	
DH.FreB9700.VS	"Fre700-B90"	
DH.FreB9800.VS	"Fre800-B90"	
DH.FreB8400.VS	"Fre400-B86"	
DH.FreB8500.VS	"Fre500-B86"	
DH.FreB8700.VS	"Fre700-B80"	
DH.FreB8800.VS	"Fre800-B80"	
DH.FreB8025.VS	"Fre25-B86"	
DH.FreB8080.VS	"Fre80-B86"	

Cat. No.	Model	Price, ₩
DH.FreB8080U.VS	"Fre80-B86U"	
DH.FreB34005.VS *	"Fre400-B45"	
DH.FreB35005.VS *	"Fre500-B45"	
DH.FreB37005.VS *	"Fre700-B45"	
DH.FreB38005.VS *	"Fre800-B45"	

*** 5-Inner Door**

DAIHAN® Digital Bio Freezer "WLF", −35℃~−15℃, 330 · 420 · 600 Lit

With 3 Shelf, Digital Fuzzy Control System, Fast Freezing Function, CFC-Free Refrigeration, Certi. & Traceability

디지털 저온 냉동고, 디지털 퍼지 컨트롤, 친환경 냉매(404A) 채용, 급속 냉동 기능



Digital Bio Freezer "WLF"



with SS Inner Doors "WLF"

- ***Supplied by DAIHAN Korea*** ■ ***PL (Product Liability) Insurance***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
- ***Digital Fuzzy Control System Implementing Superior Temperature Accuracy***
- ***Fast Freezing Function***
- ***Patented Jog-Shuttle Control System***
- ***CFC-Free (404A) Refrigeration System***

∗ Suitable for Storage of Bio Reagent, Seed, Enzyme and Various Samples
∗ Digital Fuzzy Control System Implementing Superior Temperature Accuracy
∗ Storage Function : Set Values of Temperature and Timer
∗ Digital LCD with Back-Light Function
∗ Locking Mode supported for Experimental Safety (Input to Jog-Shuttle can be Disabled)
∗ Intelligent Control of Refrigerator for Preventing Overload of Compressor
∗ Corrosion Resistant 304 Stainless-steel Chamber and Shelves
∗ Over Current Protection, Sensor Error Detection, Leakage Breaking

Specifications & Ordering information

〈L1〉

Spec. \ Model	"WLF-320" Max. Capa. 330 Lit	"WLF-420" Max. Capa. 420 Lit	"WLF-620" Max. Capa. 600 Lit
Capacity	330 Lit	420 Lit	600 Lit
Type	Upright Type		
Temp Range & Sensor	−35℃~−15℃, PT100		
Temp Resolution	1℃-Display, 1℃-Control		
Refrigerant & Compressor	CFC-Free(404A) Refrigeration System, 3/4HP	CFC-Free(404A) Refrigeration System, 1HP	
Display	Digital LCD with Back-Light Function		
Controller	Digital Controller with Jog-Shuttle Switch (Turn+Push)		
Shelf (Included)	3 Stainless-steel Shelf(#304)		
Safety Device	Over Current Protector, Sensor Error Detector, Leakage Breaker		
Material	Stainless-steel (#304)-Internal, Powder Coated steel-External		
Dimension : Interior & Exterior	600×550×h1,000mm, 820×700×h1,700mm	600×700×h1,000mm, 820×850×h1,700mm	780×800×h1,000mm, 1000×950×h1,700mm
Packing Size & Gross Weight	1,160×910×h2,160mm 290 kg	1,160×1,060×h2,160mm 314 kg	1,340×1,160×h2,160mm 350 kg
Power Consumption	1.7 kW	1.8 kW	1.8 kW
Electrical Reqts.	1 Phase, AC 120 V, 60 Hz or AC 230 V, 50 / 60 Hz		
Cat. No. 230V	**DH.WLF00320**	**DH.WLF00420**	**DH.WLF00620**
Cat. No. 120V	**DH.WLF01320**	**DH.WLF01420**	**DH.WLF01620**
Price, Each. ₩	6,078,000	6,579,000	7,892,000

∗ **Other Specifications are available upon Customer's Request.** ※ **운임 별도**

Spare Stainless-steel Flat Shelf

		Ea. Price, ₩
DH.WLF10320	Flat Shelf, w580×d530mm, **"LFS320",** for **"WLF-320"**	83,000
DH.WLF10420	, w580×d680mm, **"LFS420",** for **"WLF-420"**	104,000
DH.WLF10620	, w760×d780mm, **"LFS620",** for **"WLF-620"**	123,000

※ The Price(VAT is extra) for Korean End-user, and Changeable.

DAIHAN® 0℃~10℃ SMART Laboratory Refrigerator "Ref.L", 150 · 280 · 600 · 1300Lit, Glass Door

With Smart-Lab™ System, Dual Eva-defrost. CFC-Free, Forced-air, Stainless-steel Perforated Shelf, Door Lock Device, **실험실용 다용도 냉장고**



2-Year Warranty

(2) & (3) 280 · 600Lit with 1-Glass Door



2-Year Warranty

(4) 1300Lit with 2-Glass Door

- ***Supplied by DAIHAN Korea*** ■ ***PL (Product Liability) Insurance***
- ***With Certificate · Traceability · Delivery-information ; Controlled by Serial Number***
- ***Dual Evaporator for Natural Defrosting Ensures High Accuracy and Uniformity of Temp***
- ***Smart-Lab™ Control : Remote Controlled by Mobile-Phone with WiRe™ App Service***
  - Internet Connectivity with WiFi. - Storage Management & Automatic Temp Data Recording.
  - Ergonomic 7″ Full Touch Screen TFT LCD ; Easy Monitoring and Control.
  - Self-Diagnostic Function : Built in Standard Warning and Alarm Function

∗ Height-adjustable Perforated Stainless-steel Shelves
∗ Forced-air Circulation Fan : Superior Temp Uniformity and Quick Recovery Time.
∗ Self-diagnostic Function for Air Circulation Fan
∗ Intelligent Control of Refrigerator for Preventing Overload of Compressor
∗ Double Fold Tempered Glass Window ∗ Built in Battery for Power Failure Alarm
∗ Alarm Set Points of Temperature Deviation at +5.5 and -1.5 Under Temperature
∗ Automatic Condensate Removal, No Drain Line Required
∗ Available Built in Chart Recorder and Remote Alarm System(Optional)

Specifications & Ordering information

〈L1〉

0~10℃ Laboratory Refrigerator					
Spec. \ Model		(1) "Ref150.L"	(2) "Ref300.L"	(3) "Ref600.L"	(4) "Ref1300.L"
Capacity		150 Lit	280 Lit	600 Lit	1300 Lit
Door		1-Door	1-Door	1-Door	2-Door
Temp Range		0℃~10℃ at R/T of 30℃ and Humidity of 70%			
Temp Resolution & Sensor		1℃ - Display, 1℃ - Control & PT100 Sensor			
Refrigerant		CFC-Free(R-404A) Refrigeration System			
Compressor & Evaporator		1/2HP, Auto Exchange Dual Evaporator System for Temperature Accuracy			
Air Circulation		Forced-air Type			
		2 EC Fan	3 EC Fan	4 EC Fan	6 EC Fan
Shelf (Included)		Stainless-steel Perforated Shelf with Front Guard			
		2	3	5	10
Material		Internal : Stainless-steel, External : Powder Coated-steel			
Safety		Door Lock System, Sensor Error Detection			
Dimension (w×d×h)	Internal (cm)	57.5×53.2×50	59×71.5×67	62×77×129	137×77×129
	External (cm)	72.2×80.3×143.6	75×100.8×162	75×98×195	149×98×195
Net Weight		90 kg	130 kg	150 kg	208 kg
Power Consumption		650 W	670 W	700 W	750 W
Electric Reqts.		1 Phase, AC120V, 60Hz or AC 230V, 50/60Hz			
Cat. No.	230V	DH.RefL0150	DH.RefL0300	DH.RefL0600	DH.RefL1300
	120V	DH.RefL0151	DH.RefL0301	DH.RefL0601	DH.RefL1301
Price, Each. ₩		7,454,000	8,043,000	8,668,000	10,707,000
Validation(IQ, OQ)		DH.RefL0150.VS	DH.RefL0300.VS	DH.RefL0600.VS	DH.RefL1300.VS
Price, Each. ₩					

∗ Other Specifications are available upon Customer's Request. ※ **운임 별도**



(a) Stainless-steel Perforated Shelf



(b) Temp Chart Recorder, **"KT622"**



(c) Remote Alarm System **"RWAS"**

Spare Stainless-steel Perforated Shelf

		Ea. Price, ₩
DH.RefS8150	(a) SS Perforated Shelf, w477×d407 mm, for **"Ref150.L"**	96,000
DH.RefS8300	, w492×d590 mm, for **"Ref300.L"**	135,000
DH.RefS8600	, w532×d610 mm, for **"Ref600.L"**	147,000
DH.RefS81300	, w520×d650 mm, for **"Ref1300.L"**	152,000

Optional Accessory

		Ea. Price, ₩
DH.KT622	(b) Temp Chart Recorder, "**KT622**", with "**C657**" Chart Paper	1,415,000
DH.RWAS	(c) Remote Wire/Wireless Alarm System, **"RWAS"**	800,000

DAIHAN® 2℃~10℃ SMART Blood Bank Refrigerator "Ref.B", 150 · 280 · 600 · 1300Lit, *Medicaluse*

With Smart-Lab™ System, CFC-Free(R-404A), Forced-air, Built in Temperature Chart Recorder, Dual Eva-defrost, Glass Door Stainless-steel Perforated Drawer Shelf, Door Lock Device, **혈액 냉장고, 의료용**



2-Year Warranty

(2) & (3) 280 · 600Lit with 1-Glass Door



2-Year Warranty

(4) 1300Lit with 2-Glass Door



(a) Stainless-steel Perforated Drawer Shelf



Temp Chart Recorder, **"KT622"**



(b) Remote Alarm System **"RWAS"**

- ***Supplied by DAIHAN Korea*** ■ ***PL (Product Liability) Insurance***
- ***With Certificate · Traceability · Delivery-information ; Controlled by Serial Number***
- ***Dual Control System for Safety : Even if one of the Two Main Controller Boards Fails to Run, the Other One is still Running properly for Safe Storage of Sample.***
- ***Dual Evaporator for Natural Defrosting Ensures High Accuracy and Uniformity of Temp***
- ***Smart-Lab™ Control : Remote Controlled by Mobile-Phone with WiRe™ App Service***
  - Internet Connectivity with WiFi. - Storage Management & Automatic Temp Data Recording.
  - Ergonomic 7″ Full Touch Screen TFT LCD ; Easy Monitoring and Control.
  - Self-Diagnostic Function : Built in Standard Warning and Alarm Function

∗ Forced-air Circulation Fan : Superior Temp Uniformity and Quick Recovery Time.
∗ Self-diagnostic Function for Air Circulation Fan
∗ Intelligent Control of Refrigerator for Preventing Overload of Compressor
∗ Double Fold Tempered Glass Window ∗ Built in Battery for Power Failure Alarm
∗ Alarm Set Points of Temperature Deviation at +5.5 and -1.5 Under Temperature
∗ Automatic Condensate Removal, No Drain Line Required
∗ Available Built in Remote Alarm System(Optional)

Specifications & Ordering information

〈M1〉

2℃~10℃ Blood Bank Refrigerator					
Spec. \ Model		(1) "Ref150.B"	(2) "Ref300.B"	(3) "Ref600.B"	(4) "Ref1300.B"
Capacity		150 Lit	280 Lit	600 Lit	1300 Lit
Door		1-Door			2-Door
Temp Range		2℃~10℃(4℃±2℃) at R/T of 30℃ and Humidity of 70%			
Temp Resolution & Sensor		1℃ - Display, 1℃ - Control & PT100 Sensor			
Refrigerant		CFC-Free(R-404A) Refrigeration System			
Compressor & Evaporator		1/2HP, Auto Exchange Dual Evaporator System for Temperature Accuracy			
Air Circulation		Forced-air Type			
		2 EC Fan	3 EC Fan	4 EC Fan	6 EC Fan
Shelf (Included)		Stainless-steel Perforated Drawer Shelf			
		2	3	5	10
Built in Chart Recorder		for Temp Data, Includes 60 Chart Paper			
Material		Internal : Stainless-steel, External : Powder Coated-steel			
Safety		Door Lock System, Sensor Error Detection			
Dimension (w×d×h)	Internal (cm)	57.5×53.2×50	59×71.5×67	62×77×129	137×77×129
	External (cm)	72.2×80.3×143.6	75×100.8×162	75×98×195	149×98×195
Net Weight		90 kg	130 kg	150 kg	208 kg
Power Consumption		650 W	670 W	700 W	750 W
Electric Reqts.		1 Phase, AC120V, 60Hz or AC 230V, 50/60Hz			
Cat. No.	230V	DH.RefB0150	DH.RefB0300	DH.RefB0600	DH.RefB1300
	120V	DH.RefB0151	DH.RefB0301	DH.RefB0601	DH.RefB1301
Price, Each. ₩		9,228,000	9,825,000	10,450,000	12,668,000
Validation(IQ, OQ)		DH.RefB0150.VS	DH.RefB0300.VS	DH.RefB0600.VS	DH.RefB1300.VS
Price, Each. ₩					

∗ **Other Specifications are available upon Customer's Request.**

※ **운임 별도**

Spare Drawer Shelf, Replacement Chart Paper and Pens

		Ea. Price, ₩
DH.RefS8150D	(a) Drawer SS Shelf, w517×d407mm, for **"Ref150.B"**	106,400
DH.RefS8300D	, w532×d590mm, for **"Ref300.B"**	143,400
DH.RefS8600D	, w572×d610mm, for **"Ref600.B"**	155,000
DH.RefS81300D	, w560×d650mm, for **"Ref1300.B"**	160,400
DH.C657	Replacement Chart Paper, 60Charts for 420Days Recording	115,000
DH.P222	Replacement Pens, 6Pens, Red Color for Chart Recorder	130,000

Optional Accessory

		Ea. Price, ₩
DH.RWAS	(b) Remote Wire/Wireless Alarm System, **"RWAS"**	800,000

※ The Price(VAT is extra) for Korean End-user, and Changeable.

DAIHAN® 2℃~10℃ Vaccine & Pharm. Refrigerator "Ref.P", 105 & 295Lit, *Medicaluse*

With Microprocessor PID Controller, 60mm(t) Polyurethane Insulation, Vacuum Sealed Glass Door, CFC/HCFC-Free, Forced Air Circulation Wire Shelf, Superior Temp Uniformity, 시약약품보관용 냉장고



105Lit Bench Top



295Lit Floor Standing

(1) Teflon-coated Wire Shelf



(3) Temp Chart Recorder



(4) Thermal Printer



(5) Thermal Paper

■ ***Supplied by DAIHAN Korea*** ■ ***PL(Product Liability) Insurance***
■ ***With Certificate · Traceability · Delivery-information ; Controlled by Serial Number***

* Energy Saving LED Lamp Installation
* High Density Polyurethane Insulation(60mm thick) Provides Excellent Low Temperature
* Invisible Heating Film Protects from water Condensation on the Glass Door
* Self-Diagnostic and Visual & Audible Alarm System :
  - High/Low Working Room Temp Alarm
  - Electric Power Failure Alarm
  - Status of Door Opening Warning Alarm
  - Low Battery for Controller Warning Alarm
  - Password Locking System for Set Temp

Specifications & Ordering information

〈M2〉

Spec. \ Model		"Ref100.P" 105 Lit, Bench Top	"Ref290.P" 295 Lit, Floor Standing
Temp Range		2℃~10℃	
Shelf (Included)		1 Basket & 2 Wire Shelf	3 Wire Shelf
Compressor		1 / 8 HP	1 / 4 HP
Recorder		Option	
Defrost Heater		300 W, Automatic Defrost and Dehumidify System	
Forced Air Circulation		Turbo Fan with Automatic Stop During Door Open	
Controller & Display		Microprocessor Digital Controller / 4 Digit LED Display	
Door		Outer Door with Glass Window with Safety Door Lock System	
Safety		High / Low Temp Alarm, Electric Current Leakage Breaker	
Material		Internal : Stainless-steel, External : Epoxy Powder Coated-steel	
Dimension (w×d×h), (cm)	Interior	46.5×42×h63	56×66×h80
	Exterior	56×64×h90	68.5×86.5×h149
	Packing	72×63×h105	85×72×h186
Net & Gross Weight		65 & 80 kg	170 & 185 kg
Power Consumption		100 W	195 W
Electric Reqts.		220V, 50/60Hz, 1 Phase	
Cat. No.		**DH.RefP0100**	**DH.RefP0290**
Price, Each. ₩		3,102,000	3,923,000
Validation(IQ, OQ)		**DH.RefP5100**	**DH.RefP5290**
Price, Each. ₩			

* **Other Specifications are available upon Customer's Request.**

Spare Stainless-steel Teflon-coated Steel Wire Shelf & Basket

Cat. No	Description	Ea. Price, ₩
DH.RefA0005	(1) Teflon-coated Wire Shelf, w440×d350 mm, for **"Ref100.P"**	80,000
DH.RefA0006	, w590×d470 mm, for **"Ref290.P"**	103,000
DH.RefA0010	(2) Teflon-coated Wire Basket, w440×d340×h175 mm, for **"Ref100.P"**	103,000

Optional Accessory

Cat. No	Description	Ea. Price, ₩
DH.SteA1011	(3) Temp Chart Recorder, **"STEA1011"**, with **"STEA1012"** Chart Paper, for **"Ref290.P"**	2,719,000
DH.SteA1012	Chart Paper, **"STEA1012"**, 33 Days	100,000
DH.SteA1005	(4) Thermal Printer, Paper Roll, **"STEA1005"**, for **"Ref100.P"**	327,000
DH.SteA1006	(5) Thermal Paper Package, 4 Paper Roll, for **"STEA1005"**	10,880
DH.SteA1010	Mobile Alarm System, **"STEA-Mobile"**	635,000

DAIHAN® Premium 2℃~10℃ SMART Vaccine & Pharm. Refrigerator "Ref.P", Medicaluse

With Smart-Lab™ System, Dual Eva-defrost. CFC-Free(R-404A), Forced-air, 150 · 280 · 600 · 1300Lit, Glass Door
Stainless-steel Perforated Shelf & Perforated Drawer Shelf, Door Lock Device, **일반 백신 & 약품 냉장고, 의료용**



2-Year Warranty

(2) & (3) 280 · 600Lit with 1-Glass Door



2-Year Warranty

(4) 1300Lit with 2-Glass Door



(a) Stainless-steel Perforated Shelf



(b) Stainless-steel Perforated Drawer Shelf



(c) Temp Chart Recorder, **"KT622"**



(d) Remote Alarm System **"RWAS"**

- ***Supplied by DAIHAN Korea*** ■ ***PL (Product Liability) Insurance***
- ***With Certificate · Traceability · Delivery-information ; Controlled by Serial Number***
- ***Dual Control System for Safety : Even if one of the Two Main Controller Boards Fails to Run, the Other One is still Running properly for Safe Storage of Sample.***
- ***Dual Evaporator for Natural Defrosting Ensures High Accuracy and Uniformity of Temp***
- ***Smart-Lab™ Control : Remote Controlled by Mobile-Phone with WiRe™ App Service***
  - Internet Connectivity with WiFi. - Storage Management & Automatic Temp Data Recording.
  - Ergonomic 7″ Full Touch Screen TFT LCD ; Easy Monitoring and Control.
  - Self-Diagnostic Function : Built in Standard Warning and Alarm Function

∗ Forced-air Circulation Fan : Superior Temp Uniformity and Quick Recovery Time.
∗ Self-diagnostic Function for Air Circulation Fan ∗ Double Fold Tempered Glass Window
∗ Intelligent Control of Refrigerator for Preventing Overload of Compressor
∗ Alarm Set Points of Temperature Deviation at +5.5 and -1.5 Under Temperature
∗ Automatic Condensate Removal, No Drain Line Required ∗ Built in Battery for Power Failure Alarm
∗ Available Built in Chart Recorder and Remote Alarm System(Optional)

Specifications & Ordering information

〈M1〉

2℃~10℃ Vaccine & Pharm. Refrigerator					
Spec. \ Model		(1) "Ref150.P"	(2) "Ref300.P"	(3) "Ref600.P"	(4) "Ref1300.P"
Capacity		150 Lit	280 Lit	600 Lit	1300 Lit
Door		1-Door	1-Door	1-Door	2-Door
Temp Range		2℃~10℃ at R/T of 30℃ and Humidity of 70%			
Temp Resolution & Sensor		1℃ - Display, 1℃ - Control & PT100 Sensor			
Refrigerant		CFC-Free(R-404A) Refrigeration System			
Compressor & Evaporator		1/2HP, Auto Exchange Dual Evaporator System for Temperature Accuracy			
Air Circulation		Forced-air Type			
		2 EC Fan	3 EC Fan	4 EC Fan	6 EC Fan
Shelf (Included)		Stainless-steel Perforated Shelf with Front Guard			
		2	3	3	6
		Stainless-steel Perforated Drawer Shelf			
		0	0	2	4
Material		Internal : Stainless-steel, External : Powder Coated-steel			
Safety		Door Lock System, Sensor Error Detection			
Dimension (w×d×h)	Internal (cm)	57.5×53.2×50	59×71.5×67	62×77×129	137×77×129
	External (cm)	72.2×80.3×143.6	75×100.8×162	75×98×195	149×98×195
Net Weight		90 kg	130 kg	150 kg	208 kg
Power Consumption		650 W	670 W	700 W	750 W
Electric Reqts.		1 Phase, AC120V, 60Hz or AC 230V, 50/60Hz			
Cat. No.	230V	DH.RefP0150	DH.RefP0300	DH.RefP0600	DH.RefP1300
	120V	DH.RefP0151	DH.RefP0301	DH.RefP0601	DH.RefP1301
Price, Each. ₩		7,603,000	7,718,000	8,825,000	11,107,000
Validation(IQ, OQ)		DH.RefP0150.VS	DH.RefP0300.VS	DH.RefP0600.VS	DH.RefP1300.VS
Price, Each. ₩					

∗ **Other Specifications are available upon Customer's Request.**

※ **운임 별도**

Spare Stainless-steel Shelf

		Ea. Price, ₩
DH.RefS8150	(a) Perforated SS Shelf, w477×d407mm, for **"Ref150.P"**	96,000
DH.RefS8300	, w492×d590mm, for **"Ref300.P"**	135,000
DH.RefS8600	, w532×d610mm, for **"Ref600.P"**	147,000
DH.RefS81300	, w520×d650mm, for **"Ref1300.P"**	152,000
DH.RefS8600D	(b) Drawer SS Shelf, w572×d610, for **"Ref600.P"**	155,000
DH.RefS81300D	, w560×d650, for **"Ref1300.P"**	160,400

Optional Accessory

		Ea. Price, ₩
DH.RefS8150D	(b) Drawer SS Shelf, w517×d407mm, for **"Ref150.P"**	106,400
DH.RefS8300D	, w532×d590mm, for **"Ref300.P"**	143,400
DH.KT622	(c) Temp Chart Recorder, "**KT622**", with "**C657**" Chart Paper	1,415,000
DH.RWAS	(d) Remote Wire/Wireless Alarm System, **"RWAS"**	800,000

※ The Price(VAT is extra) for Korean End-user, and Changeable.

NEW *Medicaluse*



(1) Sharp-type

(2) Blunt-type

Single Hook Retractor, Stainless-steel 410, L160mm, *Medicaluse*

Sharp- & Blunt-type, 2~4 Prong, **훅 리트렉터, 의료용, 비부식**

■ ***Stainless-steel 410 : 비부식, 고강도, 고경도, 내약품성***
■ ***환부를 벌리는데 사용***
■ ***Rust-proof, High-Strength/Hardness, Chemical Resistance***
∗ Used to Retract Surface Tissue

〈M1〉

(1) Sharp-type, 2~4 Prongs

		Ea.	Price, ₩
DM.Ret7005	Hook Retractor, Stainless-steel, 2Prong, Sharp, L160mm		10,040
DM.Ret7006	, 3Prong, Sharp, L160mm		10,040
DM.Ret7007	, 4Prong, Sharp, L160mm		10,040

(2) Blunt-type, 2~4 Prongs

		Ea.	Price, ₩
DM.Ret7010	Hook Retractor, Stainless-steel, 2Prong, Blunt, L160mm		10,040
DM.Ret7011	, 3Prong, Blunt, L160mm		10,040
DM.Ret7012	, 4Prong, Blunt, L160mm		10,040

NEW *Medicaluse*



Volkman Retractor, with Ring Handle, L215mm, *Medicaluse*

With Blunt 2~4 Prong, Stainless-steel 410, ***볼크만* 리트렉터, 의료용, 비부식**

■ ***Stainless-steel 410 : 비부식, 고강도, 고경도, 내약품성***
■ ***환부를 벌리는데 사용하며, 주로 정형외과에서 사용***
■ ***Stainless-steel 410 : Rust-proof, High-Strength/Hardness, Chemical Resistance***
∗ Used to Retract Tissue

〈M1〉

		Ea.	Price, ₩
DM.Ret7020	Retractor, Stainless-steel, Volkman, 2Prong, L215mm		25,040
DM.Ret7021	, 3Prong, L215mm		25,040
DM.Ret7022	, 4Prong, L215mm		25,040

NEW *Medicaluse*



Kocher Retractor, with Ergonomic Handle, L210mm, *Medicaluse*

With L-Shaped Blade, Stainless-steel 410, ***코카* 리트렉터, 의료용, 비부식**

■ ***Stainless-steel 410 : 비부식, 고강도, 고경도, 내약품성***
■ ***수술 부위의 시야 확보를 위해 조직이나 장기를 당겨 이동시키거나 고정하는 기구***
■ ***Stainless-steel 410 : Rust-proof, High-Strength/Hardness, Chemical Resistance***
∗ Used to Retract Soft Tissues and Optimize the Surgical View in General Surgery Procedures

〈M1〉

		Ea.	Price, ₩
DM.Ret7025	Retractor, Stainless-steel, Kocher, Blade-58×11mm, L210mm		25,040

NEW *Medicaluse*



Senn-Muller Double-ended Retractor, L160mm, *Medicaluse*

With Blunt 3-prong & L-Shaped Blade, Stainless-steel 410, ***센* 리트렉터, 의료용, 비부식**

■ ***Stainless-steel 410 : 비부식, 고강도, 고경도, 내약품성***
■ ***절개구를 넓게 벌리거나 환부를 벌리는데 사용***
■ ***Stainless-steel 410 : Rust-proof, High-Strength/Hardness, Chemical Resistance***
∗ Double-ended Retractor; One end is Blunt-3Prong, and the Other end is L-shaped Blade
∗ Used to Retract Tissue

〈M1〉

		Ea.	Price, ₩
DM.Ret7028	Retractor, SS, Senn-Muller, Blunt-3Prong, Blade-23×7mm, L160mm		12,550

NEW *Medicaluse*

(1) L200mm



(2) L210mm

U.S Army Double-ended Retractor Set, L200 & 210mm, *Medicaluse*

With L-Shaped Blade & Fenestrated Handle, Stainless-steel 410, ***유에스 아미* 리트렉터, 의료용, 비부식**

■ ***Stainless-steel 410 : 비부식, 고강도, 고경도, 내약품성***
■ ***절개구를 넓게 벌리는데 사용하는 기구, 짧고 긴 블레이드를 가지고 있어 복부 수술뿐만 아니라 얼굴, 머리 등에 주로 사용***
■ ***Stainless-steel 410 : Rust-proof, High-Strength/Hardness, Chemical Resistance***
∗ Used to Retract Shallow or Superficial Incisions From Small Wound to Abdonimal Surgery
∗ 2ea×Retractor; (1) 2 Blade-40×15 & 26×15mm, L200mm
(2) 2 Blade-42×15 & 32×15mm, L210mm

〈M1〉

		Set.	Price, ₩
DM.Ret7030	Retractor, U.S Army, Stainless-steel, L200 & 210mm	2ea	27,070

Articles	Cat. No	Description



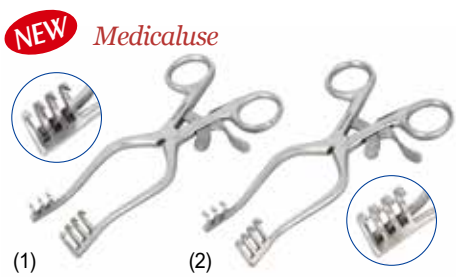
Richardson-East Double-ended Retractor Set, L260 & 280mm, *Medicaluse*

Concave-Shaped Blade & Central Ribbed Handle, SS 410, ***리차드슨 이스트* 리트렉터, 의료용, 비부식**

- ***Stainless-steel 410 : 비부식, 고강도, 고경도, 내약품성***
- ***수술 절개 부위나 상처 부위의 가장자리를 넓게 당길 때 사용하는 기구로 끝이 둥글어 조직을 손상 없이 당길 수 있음***
- ***Stainless-steel 410 : Rust-proof, High-Strength/Hardness, Chemical Resistance***
- ∗ Used to Retract Abdoninal or Chest Incisions
- ∗ Used for Holding Back Multiple Layers of Deep Tissue
- ∗ 2ea × Retractor; (1) 2 Blade-36 × 28 & 28 × 20mm, L260mm
  (2) 2 Blade-63 × 52 & 50 × 40mm, L280mm

〈M1〉

		Set.	Price, ₩
DM.Ret7033	Retractor, Stainless-steel, Richardson-East, L260 & 280mm	2ea	45,080



Self-retaining *Weitlaner* Retractor, Stainless-steel 410, L140 & 165mm, *Medicaluse*

Excurved 3 × 4 Prong, Sharp- & Blunt-type, ***웨이트레이너* 리트렉터, 자체유지기능, 의료용, 비부식**

- ***Stainless-steel 410 : 비부식, 고강도, 고경도, 내약품성***
- ***수술 시 절개 부위를 벌려 놓을 때 사용하며 자체 유지 기능이 있음***
- ***Stainless-steel 410 : Rust-proof, High-Strength/Hardness, Chemical Resistance***
- ∗ Used for Holding Back Tissue and Exposing Surgical Site
- ∗ Ratchet Locking Mechanism allows the Retractor to Remain in Place

〈M1〉

		Ea.	Price, ₩
DM.Ret7035	(1) Self-retaining Retractor, Stainless-steel, Weitlaner, Sharp, L140mm		45,080
DM.Ret7036	, L165mm		55,090
DM.Ret7038	(2) Self-retaining Retractor, Stainless-steel, Weitlaner, Blunt, L140mm		45,080
DM.Ret7039	, L165mm		55,090



Self-retaining *Gelpi* Retractor, Stainless-steel 410, L175mm, *Medicaluse*

With Sharp Prong, Ratchet Locking Mechanism, ***겔피* 리트렉터, 자체유지기능, 의료용, 비부식**

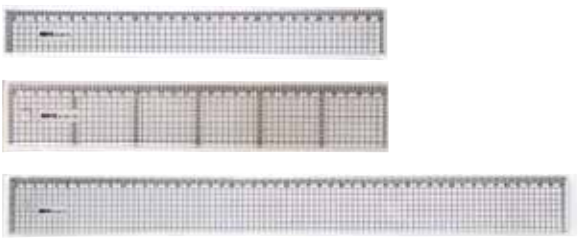
- ***Stainless-steel 410 : 비부식, 고강도, 고경도, 내약품성***
- ***수술 시 절개 부위를 벌려 놓을 때 사용하며 자체 유지 기능이 있음***
- ***Stainless-steel 410 : Rust-proof, High-Strength/Hardness, Chemical Resistance***
- ∗ Used for Retraction of Deep and Superficial Tissues
- ∗ Ratchet Locking Mechanism allows the Retractor to Remain in Place

〈M1〉

		Ea.	Price, ₩
DM.Ret7041	Retractor, Stainless-steel, Gelpi, Sharp, L175mm		65,100

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



30 & 50cm Ruler, Polystyrene, Polystyrene, Excellent Transparency With Grid Printed in 5mm Graduations, 방안직자

■ ***Made of Polystyrene*** ＊Exact scale

〈B4〉

		Pk.	Price, ₩
A5.4036	Graph Measuring Stick, 3.5×30cm	1ea	370
A5.4037	, 5×30cm, Wide-type	1ea	880
A5.4038	, 5×50cm	1ea	880

EXP 철직자, Stainless Steel Ruler 다국적



■ ***Division ; 1mm***

〈B3〉

	ORDER NO.	MODEL NO.	Length mm	포장단위 Ea. / Pk.	PRICE, ₩ Ea.
유광	**0479-697**	**SRP-150**	150	1 / 12	430
	0479-695	**SRP-300**	300	1 / 10	1,100
	0479-698	**SRP-600**	600	1 / 20	2,750
	0479-699	**SRP-1000**	1,000	1 / 20	7,160
	0479-700	**SRP-1500**	1,500	1 / 10	15,490
	0479-701	**SRP-2000**	2,000	1 / 10	20,980



Amos® Triangle Ruler With Grid, 160mm, 삼각자

＊Excellent Transparency
＊High Class Ruler ＊No Scratch
＊No Scale Erased ＊Exact scale

〈B4〉

		Pk.	Price,₩
A5.4031	Triangle Ruler, 160mm	1ea	730

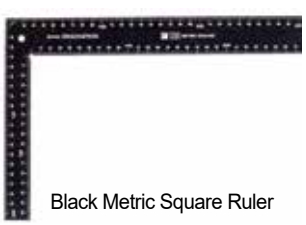
Amos® Protractor, 130mm, Thick-2mm, 각도기



＊Excellent Transparency
＊No Scratch
＊No Scale Erased
＊Exact scale

〈B4〉

		Pk.	Price,₩
A5.4021	Protractor, 130mm	1ea	370



Black Metric Square Ruler

SB® Metric Square Ruler, Black & Silver, Rust-proof, w300×L200mm With White & Black Graduation, Heat Treatment, Durability, 직각자

＊S3.MS300; Matt Black Painting and Heat Treatment so None be Dazzling
＊Good Durability and Good Sight Printing Grid
＊Grid at Interval of 2mm

〈B4〉

		Ea.	Price, ₩
S3.MS300	Ruler, Metric Square, White Graduation, w300×L200mm		5,340
S3.MSE300	, Black Graduation, w300×L200mm		9,550



SB® Protractor, Stainless-steel, Φ90 & 120mm, L198 & 305mm Ideal for Measure Length/Depth, 분도기

＊0~10cm Grid Etching on Ruler can be Easy Measure Length, Depth
＊Measure and Mark any Angle

〈B4〉

		Ea.	Price, ₩
S3.NO19	Protractor, Stainless-steel, 198×14×1.2mm		9,550
S3.NO30	, 305×16×1.5mm		24,640



SB® Stainless-steel Taper Gauge, 1~45mm Made of Stainless-steel 420J Heat Treated Iron, 테퍼 게이지

＊High-quality Stainless-steel 420J ＊Chrome Coated
＊Application : Measure Inner/Outer Diameter and Interval
＊High Straightness Accuracy

〈B4〉

		Ea.	Price, ₩
S3.NO700A	Taper Gauge, Stainless-steel, 1-15mm		6,580
S3.NO700B	, 15-30mm		14,360
S3.NO700C	, 30-45mm		34,050

Articles	Cat. No	Description


(1) Laser Meter, 0.2~50m


(2) Laser Meter, 0.2~120m

Komelon® Laser Meter, 0.2~120m, Waterproof IP65, 20Memories
With Various Measuring Mode, Compact Slim-Type, 초소형 레이저 거리측정기

* General Purpose : Construction, Interior. * Memory Function : Final Value of 20
* Composed : Laser Meter, Pouch, AAA/1.5V Battery, User Guide. * Range & Accuracy : 0.2 ~ 120m, ±2mm
* Measuring Unit : m, ft, in, ft+in * Class 2 Laser (163-670nm, < 1mW) * Auto Power Off : 180 sec.

(1) 0.2~50m, Laser Meter

* Various Measuring Mode : Single Distance, Continuous, Area, Volume, +−, Pythagoras(2, 3point) 〈B4〉
* with Pocket Clip, Tube Vial Level * Power : AAA(1.5V)×2Ea

		Ea.	Price, ₩
K5.LM25	Laser Meter, 0.2~50m, 48×27×h120mm, 96g		77,000

(2) 0.2~120m, Laser Meter

* Various Measuring Mode : Single Distance, Continuous, Area, Volume, +−, Pythagoras(2, 3point), Level, Height
* Dustproof & Waterproof IP65 * Digital Angle Measuring (Accuracy : ±0.3°)
* Triangle Mount Available * Power : AAA(1.5V)×3Ea

		Ea.	Price, ₩
K5.LM212	Laser Meter, 0.2~120m, 49×26×h115mm, 98g		140,000


100 & 200 cm

Komelon® 100 & 200cm Measure Flat Steel Roll Tape, with Adhesive Backing
Ideal for Work-table, Drafting-table, Table-saw, width 13mm, 접착형 줄자

* Applies to any Clean, Flat Surface * Exact Figures (KS, JIS 1 Grade) * Bright White Sharper Grid to Use Paint 〈B4〉
* Use be Cut Down to a Desire Length * Clear Plastic BLISTER Packing with Description Print Card

		Pk.	Price, ₩
K5.KMF10	Measure Band, Adhesive Backing, 13mm×L1m, 450g	1roll	5,100
K5.KMF20	, 13mm×L2m, 650g	1roll	6,110


3m

L3m Eco Mini Measuring Tape, with Lock Case, Light Weight, 일반형 줄자

■ Supplied by DAIHAN Korea ***■ 미니 사이즈로 휴대 및 보관 용이*** ***■ 자동 감김 장치 & 락버튼*** 〈B1〉
* Compact & Portable type * with Lock Switch. * Blue and Black Color will be Delivered Randomly

		Ea.	Price, ₩
DH.Rul8001	Measuring Tape, Mini type, w6mm×L3m, 50g		1,540



Komelon® L2m~5m Basic Measure Tape, Nylon Coated Steel Blade
With Metal Belt Clip, Compact Size, Certified KS · JIS · CE, 표준형 줄자

* Superior Internal Mechanism Provides Smooth Operation 〈B4〉
* Compact Design for Convenient Use. * Easy to Read High Visibility Printing

		Ea.	Price, ₩
K5.KMC21.2	Basic Measure Tape, w13mm×L2m		3,960
K5.KMC21.3	, w16mm×L3.5m		6,960
K5.KMC21.5	, w16mm×L5m		7,890


7.5m

L7.5m Eco Measuring Tape, Hook Type, with Lock Switch, 일반형 훅 줄자

■ Supplied by DAIHAN Korea * with Hanging Strip & Hook * with Lock Switch. 〈B1〉
* Yellow and Orange Color will be Delivered Randomly

		Ea.	Price, ₩
DH.Rul8003	Measuring Tape, hook type, w24mm×L7.5m, 300g		4,600


5.5m
7.5m

Komelon® L5.5 & 7.5m MagGrip Steel Pocket Magnetic Tape
With Magnetic End Hook, Double Side Print, 맥그립 자석 훅 줄자

* Back Side Printing for Precision Marking and Line Drawing * Magnetic Tip for Easy Measurement by one Person 〈B4〉
* Back Scale Reading Helps Blade Supported Against wall and Ceiling

		Pk.	Price, ₩
K5.32D.1	Measuring Tape, MagGrip, w19mm×L5.5m	1ea	10,970
K5.32D.2	, w25mm×L7.5m	1ea	16,540


30m
50m

Komelon® L30 & 50m Neo Fiberglass Measuring Tape
With ABS Case, PVC Double Coated Fiberglass, 네오 화이버글라스 줄자

* Komelon Double coated Fiberglass and withstands Highest Tensile StrengthGuarantees Lifetime use
* Folding Rewind Crank Provides Fast Blade Retrieval 〈B4〉
* Impact Resistant Acrylonitrile-Butadiene-Styrene Resin Case.

		Ea.	Price, ₩
K5.330.3	Measuring Tape, Neo Fiber glass, w13mm×L30m		17,310
K5.330.5	, w13mm×L50m		24,870

※ The Price(VAT is extra) for Korean End-user, and Changeable.



3M® Protective Clothing



DAIHAN® Biological Safety Cabinet(BSC)
Class Ⅱ Type A2



DAIHAN® Flammables Safety Cabinet
90min-resistant



3M™ Dual Vapor/Gas Cartridge
Half Facepiece Respirator

Safety

Be with Security of Life & Property !!

Apparels 의복류 ····· P. 5~10
Bottles 안전바틀 ····· P. 667
Cabinets 안전시약장 ····· P. 127~137
Ear Plugs 귀마개 ····· P. 669
Earmuffs/Covers 귀덮개 ····· P. 668
Eye-wash 눈 응급세척 ····· P. 670
Face-Shields 보안면 ····· P. 670
First Aid 응급의료 ····· P. 313~316
Gloves 장갑 ····· P. 410~419
Goggles/Spectacles 보안경 ····· P. 671~672
Helmets 안전모 ····· P. 672
Masks 마스크 ····· P. 673~676
Mats 매트 ····· P. 497~498
Radiation Shields 방사선 차폐막 ····· P. 677
Shoes 안전화 ····· P. 677~678
Spill Control 스필제거 흡착재 ····· P. 679~680
Waste Disposal 폐기물 처리 ····· P. 920~921

▶ Safety Apparels 안전의복류
⇒ See the "Apparels" Section!




Apron

* Chemical Resistant
* Clean Room and Foodstuff
* Cryogenic
* Disposable
* Heat Resistant



Arm Covers

* Anti-Static
* Clean Room and Foodstuff
* Cooling
* Disposable
* Waterproof




Caps

* Anti-Static
* Clean Room and Foodstuff
* Disposable



Shoes Covers

* Anti-Static Covers
* Clean Room



Lab Gowns

* Cotton
* Cotton + Polyester
* Colored



Protective Clothing -Clean Room

* One-piece
* Two-piece
* Gown Only



Protective Clothing -Medical & Industry

against

* Micro-organisms / Virus
* Hazadous Particles
* Nuclear Particles

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



Burkle® UN-approval Aluminum Bottle, Un-Breakage, Seamless, 60~1,200㎖
With Safety PP Screwcap & Al-Inner Seal, Al-99.5%, UN 인증 안전 알루미늄 바틀

■ ***Made in Germany*** ■ ***Particularly Suited for Food and Safety Handling***
■ ***Ideal for Storing, Transport or Sending Substances and Reference Samples*** ■ ***Rustproof***
∗ Can be Completely Emptied without Residues & Odors ∗ Impervious to Light
∗ 99.5% Pure Aluminium with Tamper-evident PP Screwcap / AL-inner Seal
∗ UN-Approval : 1B1 / X / 250

〈L1〉

		Ea.	Price, ₩
BK.0327.0060	Aluminum Bottle, 60㎖ , Φ40×h88mm		5,340
BK.0327.0120	, 120㎖ , Φ57×h97mm		6,480
BK.0327.0300	, 300㎖ , Φ57×h160mm		8,550
BK.0327.0600	, 600㎖ , Φ74×h192mm		12,400
BK.0327.1200	, 1,200㎖, Φ88×h248mm		14,750



DURAN® UN-approval Stainless-steel Bottle 1.5Lit, with GL45 Cap & PTFE seal
Ideal for Hi-Pressure and Safe Storage & Transit, 0.5 bar, 500℃, UN인증 안전 스텐바틀

■ ***Supplied by DURAN® in Germany*** ■ ***1.4404 Rustproof Stainless-steel Bottle***
■ ***Particularly Suitable for Safe Storage as a packing container and for the Transport of Hazardous Substances & Chemicals.*** ■ ***UN-certification*** ■ ***Shatterproof***
■ ***GMP (Good Manufacturing Practice) and Pharmaceutically Compatible***
∗ Pressure and Temp. Resistance : up to 0.5 bar, and 500℃

〈L1〉

		Ea.	Price, ₩
DU.29901605	Stainless-steel Bottle, 1.5 ℓ, Φ120×h210mm, 812g		1,211,990

4~22Lit Clean-grade & UN-certified Bottle, Heavy-duty, Rectangle HDPE, with Leakproof Tamper Evident Screwcap
With 10,000-Clean Grade & UN RTDG Certified, Good Resistance to Impact & Chemicals, −50℃+105/120℃ Stable, 크린바틀 & 안전바틀



(1) & (2) 4~22Lit Clean Grade & UN Certified Bottle



① Spare Cap



② Optional Cap Opener

■ ***Made in Korea*** ■ ***Ideal for Use in Clean Packaging · Foodstuffs · Fine Chemicals ; Storage & Transfer***
■ ***Certificated UN RTDG(Recommendation for Transport of Dangerous Goods), Specially Heavy Duty Structure***
■ ***Leakproof Structure Tamper Evident Screwcap and Good Resistance to Impact & Chemicals***
∗ Standard White Tamper Evident Screwcap : When the Screwcap is Opened, the Ring is Detached from the Screwcap, Ensuring Easy Recognition that the Container has been Opened.
∗ Clean Bottle ; Clean grade 10,000 or Less, Clean-Washed, and Some Protection of UV
∗ Standard White, Optional White(w/o Tamper Evident Ring) Screwcap and Blue Screwcap

(1) 4~22Lit Clean Grade & UN-RTDG Certified Bottle, Clean-Washed, Cap Attached, Packed in Poly Bag

〈L1〉

∗ 5Lit is not UN Certification, But Clean-grade !

		dh pk.	Price, ₩	Cs.	Price, ₩
DH.Bot3352	Bottle, Rectangle, 4Lit , 120×190×h270mm, Neck id. Φ38 mm	2ea	19,850	24ea	220,490
DH.Bot3353	, 5Lit , 120×190×h310mm, Neck id. Φ38 mm	2ea	23,200	24ea	257,690
DH.Bot3354	, 20Lit, 230×290×h370mm, Neck id. Φ48 mm	1ea	30,240	6ea	167,990
DH.Bot3355	, 22Lit, 230×290×h400mm, Neck id. Φ48 mm	1ea	32,970	6ea	183,100

(2) UN-RTDG Certified Bottle 4 · 20 · 22-Lit, Cap Attached

∗ RTDG ; Recommendation for Transport of Dangerous Goods

		Ea.	Price, ₩	Cs.	Price, ₩
DH.Bot3357	Bottle, Rectan., 4Lit , W-neck id Φ38mm, 120×190×h270mm	3,700		24ea	82,200
DH.Bot3358	, 20Lit, W-neck id Φ48mm, 230×290×h370mm	11,130		6ea	61,800
DH.Bot3359	, 22Lit, W-neck id Φ48mm, 230×290×h400mm	13,290		6ea	73,800

Spare & Optional Accessory

		Ea.	Price, ₩
DH.Cap3204	① **Spare Screwcap**, with Evident Ring, id. Φ48mm, for 20 · 22Lit, White		1,000
DH.Opn3002	② **Optional Cap Opener/Jig** for id. Φ48mm, 20 · 22Lit Bottles		2,000

Safety, Cabinets 안전 시약장





※Safety Cabinets
⇒ See the "Cabinets & Enclosures" Section!



H6B/V



(1) for 30~105dB.



(2) for 27~101dB.



(3) for 25~98dB.



(4) for 21~95dB.



(5) Behind the Head-style 21~95dB.

3M® Peltor Optime® Earmuff, up to 95 · 98 · 101 · 105 dB according to ANSI

Ideal for Use with Other Protection Equipment, Ultra-soft Ear Cushions, **귀덮개**

- ***Optime number(95/98/101/105dB) means the max noise level in accordance with ANSI standard.***
- ***Wide-range : NRR(Noise Reduction Rate) 21dB~30dB, up to TWA Max.105dB***
- ***En Excellent Padded Foam Headband and Ultra-soft Ear Cushions***
- ***Stainless-steel Wire and Earcup Pivot-points Construction : Highest Performance and Durability***
- ***Good for Use with Other Protection Equipment of Hats/Shields/Spectacles/etc.***
- ***Peltor Earmuff provides durable and effective hearing protection.***



Liquid & Foam filled earmuff cushions contribute superior comfort, fit and hearing protection over safety glass.



Stainless steel headband with pad distributes weight for has a pad for low pressure fit.



Earcup pivot-points can tilt for optimum comfort and efficiency.

(1) "H10A" Earmuff, NRR 30dB, up to 105dB, Patented Dual Earcups

∗ Patented twin-cup design for efficiency of NRR.
∗ It provides ear protection of noise levels up to 105dB.

〈B4〉

		Ea.	Price,₩
3M.03.5039	"H10A" Earmuff, 30~105dB		39,320

(2) "H7A" Earmuff, NRR 27dB, up to 101dB

∗ Insulated earmuff is available.

		Ea.	Price,₩
3M.03.5040	"H7A" Earmuff, 27~101dB		31,600

(3) "H9A" Earmuff, NRR 25dB, up to 98dB

∗ Light weight ∗ Patented twin-cup design for efficiency of NRR.

		Ea.	Price,₩
3M.03.5041	"H7A" Earmuff, 25~98dB		28,400

(4) "H6A/V" Earmuff, NRR 21dB, up to 95dB, Over the Head-style

		Ea.	Price,₩
3M.03.5042	"H6A/V" Over the Head-style, 21~95dB		25,780

(5) "H6B/V" Earmuff, NRR 21dB, up to 95dB, Behind the Head-style

∗ Useful to use with welding helmet. ∗ Behind the head type.

		Ea.	Price,₩
3M.03.5043	"H6B/V" Behind the Head-style, 21~95dB		31,160

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



(1) 29dB "1100"/ "1110"

3M® Comfort Wide-range Ear Plug, 29~33dB/NRR
Made of PU and PVC Foam, ANSI-compliance, **다양하고 편안한 귀마개**

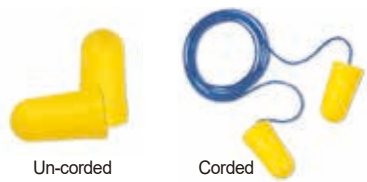
- ***Wide-range and Variable-types : 29~33dB/NRR(Noise Reduction Rate)-Compliance ANSI***
- ***Smooth, Soft Materials : Polyurethane (PU) Foam and PVC Foam***
  : Non-allergenic, Non-irritating and Dermatologically Safe to Skin.
- ***Easy Use : Simply Compress the Soft Plug, Insert in Ear Canal, and let the Plug Expand***

(1) "1100 & 1110" 29dB Basic-type, PU-Foam

∗ Woven Connecting Cord ("1100") : Less Risk of Loss
∗ Anti-allergic & Soft Material. ∗ Anti-pollution Surface.

〈B4〉

		Pk.	Price, ₩	Cs.	Price, ₩
3M.03.5045	"1100" Un-corded Ear plug, PU, 29dB	1pair	240	200pair	46,600
3M.03.5046	"1110" Corded Ear plug, PU, 29dB	1pair	550	200pair	107,750

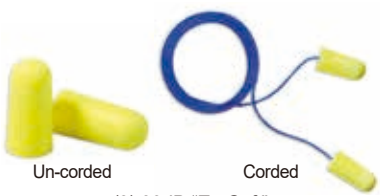


(2) 32dB "TaperFit"

(2) "TaperFit" 32dB 2Foam-type, PU-Foam

∗ Minimize Skin Stimulation.
∗ Soft & Low Pressure Material ∗ Wearable, Comfortable.

		Pk.	Price, ₩	Cs.	Price, ₩
3M.03.5049	"TaperFit" Ear plug, PU, 32dB, Un-corded	1pair	160	200pair	30,000
3M.03.5050	, Corded	1pair	360	200pair	69,890



(3) 33dB "EarSoft"

(3) "EarSoft" 33dB Ultra-soft type, Neon-Yellow, PU-Foam

∗ High Sound Insulation Degree.
∗ Soft & Low Pressure Material ∗ Wearable, Comfortable.

		Pk.	Price, ₩	Cs.	Price, ₩
3M.03.5051	"EarSoft" Ear plug, PU, 33dB, Un-corded	1pair	240	200pair	46,600
3M.03.5052	, Corded	1pair	520	200pair	101,920


(4), (6)
Bottle Pack

(7) One Touch Dispenser

1000 Pcs./Clean Bottle-/Bulk-pack and One Touch Dispenser

∗ Earplugs can be used conveniently and hygienically

		Pk.	Price, ₩
3M.03.5168	(4) "1100" 1000 Pcs/Bottle Pack, Un-corded	500pair	118,960
3M.03.5169	(5) "1100" 1000 Pcs/Bulk-type, Un-corded	500pair	110,660
3M.03.5053	(6) "EarSoft" 1000 Pcs/Bottle Pack, Un-corded	500pair	109,930
3M.03.5116	(7) One Touch Dispenser only	1ea	145,600


Pushins®
Handled Ear plug

3M® Pushins® Handled (pad) Ear Plug, EAR Foam® Polymer-Foam, 28dB
Good for Noisy & Dusty Work Environments, ANSI-compliance, **손잡이가 있는 귀마개**

- ***Easy Use with Handle : No Need Rolldown, No Need Sizing Compresses easily without Wrinkles***

∗ Patented EAR Foam® Polymer, Super Soft/Smooth : Non-allergenic, Non-irritating and Dermatological
∗ Easy Use : No Need Rolldown, No Need Sizing Compresses easily without Wrinkles
∗ Slow-recovery foam safe to skin

〈B4〉

		Pk.	Price, ₩	Cs.	Price, ₩
3M.03.5055	Pushins® Handled Ear plug, 28dB, Un-corded	1pair	560	100pair	
3M.03.5056	, Corded	1pair	840	100pair	


Reusable 3-fin Ear Plug

3M® "1260 & 1270" Reusable 3-fin Ear Plug, Universal-Fit, One size fits all, 25dB
Made of PU-Foam, Easy Cleanup with Soap & Water, ANSI-compliance, **재사용 만능 귀마개**

- ***Reusable, Universal-Fit : In the Case of the Wing Structure, Regardless of the External Auditory Canal is Comfortable to Wear, Washable with Water or Soap***

∗ Good for Applications Requiring Constant Hearing Protection over Extended Periods of Time.
∗ One size fits most customers. When removed, the original shape recovered.

〈B4〉

		Pk.	Price, ₩	Cs.	Price, ₩
3M.03.5057	"1260" Un-corded Ear plug, 25dB, PU-foam	1pair	720	100pair	
3M.03.5058	"1270" Corded Ear plug, 25dB, PU-foam	1pair	1,210	100pair	

Articles	Cat. No	Description



Burkle® PE Eye Rinsing Bottle 600㎖

With Valve & Dust Protection Cap, <Germany-Made> PE 눈(Eye) 응급세척 병

■ *즉각적으로 안구세척이 필요한 곳에 부착하여 사용*

∗ Empty Bottle for 600㎖ Contents ∗ Leakproof ∗ Transparent PE.
∗ Valve and Dust Protection Cap ∗ Instructions Printed in German Language

〈L1〉

		Ea.	Price, ₩	Cs.	Price, ₩
BK.2507.2000	PE Eye Rinsing Bottle, for Eye Wash, 600㎖		107,550	10ea	
BK.2507.2001	Wall fixture, for Eye Wash Bottle		56,080	10ea	



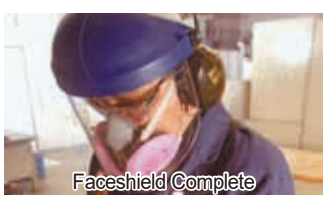
Kartell® First Eyd® Emergency Eye-Wash Station, <Italy-Made> 눈 응급세척 치료장치

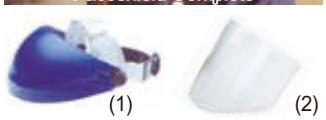
∗ Emergency Eye Wash Station Moulded in High-impact PS
∗ Consist of Eye Wash Bottle and Bottle Holder Imprinted Measures, Eye Wash Bottle and Bottle Holder Sold Separately
∗ Bottle can be Filled with Distilled Water or other Medicated Liquid

〈L1〉

		Ea.	Price, ₩	Pk.	Price, ₩
KA.2386	Holder only, for Eye Wash Bottle, PS		48,790	10ea	473,050
KA.383	Bottle only, PE Eye Wash, 500㎖		22,530	10ea	218,430

, *Face-Shields 보안면*




(1) (2)

3M® Safety PC Faceshield and Thermoplastic Pinlock Headgear

For Protection Impact · Heat · Chemical Splash · 99.9% UV, PC 보안면

■ ***Optically Clean PC(Polycarbonate) Faceshield : Offer Excellent Impact, Heat, Chemical Splash and 99.9% UV Protection, and an Excellent Wide View.***
■ ***Adjustable Pinlock Thermoplastic Headgear : Fit Well with PC Faceshield.***
■ ***Wraparound Design : Safeguards Front, Sides, Neck and Top of Head.***

〈B4〉

		Pk.	Price, ₩
3M.03.5010	(1) "H8A" Headgear	1ea	28,400
3M.03.5011	(2) "WP96" PC Faceshield, 228×368mm, 2mm-Thick.	1ea	8,450



3M® Speedglas™ 100 Welding Helmet, with 100V Filter, for Various Welding, Comfortable to Wear

Excellent Optical Quality, Reliable Light-to-Dark Switching, Ease to Use, 자동용접면

■ ***작업성을 고려한 세련된 디자인으로 생산성 향상*** ■ ***뛰어난 광학기술 적용하여 용접품질 향상***
■ ***5단계 차광도 조절기능으로 다양한 용접 가능n*** ■ ***4단계 민감도 조절기능과 용접직후 눈보호를 위한 Delay 조절기능탑재***
■ ***신형 헤드밴드 적용하여 편안한 착용감***

∗ 5 Adjustable Dark Shades 8-12 & Light Shade of 3
∗ Sensitivity Adjustment that Allows Use with all Stick, MIG and TIG Welding Processes
∗ 3 Selectable Sensitivity Levels for Reliable Arc Detection
∗ Optical Quality Gives Worker a Good View of the Work Area
∗ 100V Auto Darkening Filter : Selectable Dark Shades 8 through 12 and Viewing Area
∗ 4 Sensitivity Settings ∗ Possible to Automatical Delay
∗ High Impact Rating According to the Requirements of the European Standard EN 175:B
∗ Compatible with most 3M® Filtering Facepiece Respirators

〈B4〉

		Ea.	Price,₩
3M.03.100	Welding Helmet, 100, Lithium Battery(CR 2032), Black		266,450

, *First Aid Kits 구급함*





※ First Aid Kits
⇒ See the "First Aid" Section!

, *Gloves 안전 장갑*





※ Safety Gloves 안전 장갑
⇒ See the "Glove" Section!

※ The Price(VAT is extra) for Korean End-user, and Changeable.

3M® Chemical Splash/Impact Safety Goggle & OTG Spectacle, Fit Well Over Glasses/Eyeware, Coated Clear PC Lens With Ventilation System(except OTG Spectacle), Anti-Fog · Scratch · UV 99.9%, 안경위에 겹쳐쓸수있는 다용도 보안경

- ***Coated Clear Polycarbonate Flexible Lens : Resist Fogging / Impact / Scratching / 99.9% UV.***
- ***Large & Soft PVC Frames with Indirect Ventilation System***
- ***Adjustable Headstrap for a Custom Fit.***
- ***Fit Well Over Glasses or Most Eyeware***
- ***Also, Provide ideal Protection from Particulates.***

∗ Integrated Undirect Ventilation System(except OTG Spectacle)
∗ Meets CSA Z94.3 and ANSI Z87.1 Standards
∗ OTG-type ; One-Piece Molded Polycarbonate Lens / Frame / Side shield : Wide View Wraparound Spectacle, DX®-Coated : Anti-Fog / Hard Coating, and Adjustable Temple Length.



(1) "1621F" Traditional

∗ Indirect Vented
∗ "40661" Chemical Splash Safety
∗ 74g

〈B4〉

		Pk.	Price, ₩
3M.03.5014	"1621F" Goggle	1ea	3,140



(2) "332AF" Standard

∗ Direct Vent
∗ Impact Resist
∗ "332AF" Chemical Splash Safety
∗ 74g

		Pk.	Price, ₩
3M.03.5173	"332AF" Goggle	1ea	3,500



(3) "454AF" Premium

∗ Wide View, Comfort.
∗ Indirect Vented
∗ "40305" Chemical Splash Safety
∗ 94g

		Pk.	Price, ₩
3M.03.5015	"454AF" Goggle	1ea	13,770



(4) "40654" Low-profile

∗ Fit Well ; Helmets & Respirations.
∗ Indirect Vented
∗ "40654" Chemical Splash Safety
∗ 110g

		Pk.	Price, ₩
3M.03.5016	"40654" Goggle	1ea	18,790



(5) "40654 Plus A" High-profile

∗ Anti-fog Coated Lense
∗ Wide View, Comfort ∗ 110g
∗ "46054 Plus" Chemical Splash Safety
∗ Indirect Vented

		Pk.	Price, ₩
3M.03.5171	"40654 Plus A" Goggle	1ea	20,830



(6) OTG Standard-Grip Spectacle

∗ Adjustable Temple Length.
∗ "12163" DX® Hard Coat
∗ 46g

		Pk.	Price, ₩
3M.03.5017	"OX1000" Spectacle, Standard-Grip	1ea	5,470



(7) "SF-3701-AS"

∗ Comfortable fit
∗ Adjustable Temple Length
∗ 47g

		Pk.	Price, ₩
3M.03.5172	"SF3701AS" Goggle	1ea	11,160

3M® Secure FIT™ Side Shield-style Safety Spectacle, Coated Color One-piece Molded PC Lens, Comportable Fit Ideal for Wraparound Protection, 측면이 보강된 보안경

(1)



(2)



(3)



(4)



(5)



- ***PDT 압력 분산 기술로 편안하게 착용 가능, 대부분 안경 위에 착용 가능***
- ***Meets the Requirements of EN 166:2001***
- ***Fit Well Over Glasses or Most Eyeware***

∗ Versatile Design Allow Use with Wide Variety of Prescription Eyewear
∗ PDT(Pressure Diffusion Temple) Technology : Helps Diffuse Pressure over the Ear for a Secure
∗ Adjustable Ratchet Temples Allow User to Adjust Lens for Facial Features and Eyeglass Position
∗ Provide Additional Coverage from Particles
∗ (5)-Forehead Protection, Adjust-Temples Spatula Length & Nose Bridge

〈B4〉

			Pk.	Price, ₩
3M.SF3703SGAF	(1) Spectacle, Side Shield-type, 47g, Amber		1ea	18,350
3M.SF3717AS	(2)	, I/O Grey	1ea	20,100
3M.SF3730AS	(3)	, IR3.0	1ea	18,350
3M.SF3750AS	(4)	, IR5.0	1ea	18,350
3M.03.5020	(5)	, 31.2g, Clear	1ea	10,340

Articles	Cat. No	Description

3M® Light-weight Sport-style Safety Spectacle, Anti-Fog Coated Clear or Color PC Lens, weight 23.5~31.2g
Ideal for Outdoor Activities, Anti-Fog · Scratch · UV 99.9%, **경량 스포츠 스타일 보안경**

- ***Coated Polycarbonate Lens : Anti-Fog / -Scratch / -UV 99.9%***
- ***Meets the Requirements of CSA Z94.3 or the High Impact Requirements of ANSI Z87.1***



(1) "Virtua" Standard
- ∗ Anti-Fog Coated / High wrap Clear PC Lens
- ∗ Unisex Design
- ∗ "11329" Standard
- ∗ 23.5g

〈B4〉

		Pk.	Price, ₩
3M.03.5025	"Virtua" Spectacle	1ea	2,660



(2) "X-Sport" Sport-Grip
- ∗ Anti-Fog Coated Clear PC Lens & Black Frame
- ∗ Sport-Grip Temples / Soft Nose Bridge
- ∗ "15176" Sport-Grip
- ∗ 31.2g

		Pk.	Price, ₩
3M.03.5030	"X-Sport" Spectacle	1ea	10,780



(3) "BX" Adjustable-style
- ∗ Anti-Fog Coated Clear PC Lens.
- ∗ Adjust-Length temple / Nose Bridge
- ∗ "11380" Adjust-Lens Angle
- ∗ 30.2g

		Pk.	Price, ₩
3M.03.5032	"BX" Clear Spectacle	1ea	9,470

3M® Light-weight Multi-use Safety Spectacle, Safety Coated PC Lens, Comfortable Fit
Ideal for In- & Out-door Act, Anti-Fog & UV 99.9%, **경량 보안경, 실내 & 야외 겸용**



(1)



(2)



(3)

- ***마스크 착용으로 인한 김서림 및 과격한 작업으로 땀에 의해 발생하는 김서림 방지에 탁월함***
- ***실내와 야외 겸용으로 사용가능, 충격에 강한 소재로 각종활동에서 안전하게 사용가능***
- ***Meets the Requirements of EN 166:2001***
- ***Coated Polycarbonate Lens : Scotchgard™ Anti-Fog Coated / UVA & UVB 99.9%***
- ∗ Integrated Side-shield Provides Additional Protection for Surrounding Tissues
- ∗ Provide Complete Impact Protection
- ∗ Adjustable for Nose Bridge

〈B4〉

		Pk.	Price, ₩
3M.AP300SG	(1) Spectacle, Light-weight, 28g, Clear	1ea	23,300
3M.AP301SG	(2) , Yellow	1ea	23,300
3M.AP302SG	(3) , Dark-grey	1ea	23,300

, *Helmets* 안전모



(1) with Goggle



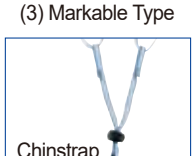
(2) Normal Type



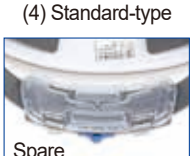
(3) Markable Type



(4) Standard-type



(5) Bell-type



(6) Rear Guard

Dongmyung® Safety ABS Helmet, Screw-type Considering Head Size, with or without Goggle
Suitable for Industrial, Adjustable Length Chinstrap, **안전모**

- ***Made in Korea***
- ∗ 인체공학적 설계를 통해 심미감, 착용감, 안전성 강화, 내외 충격 완화
- ∗ 강화된 내장재 장착을 통해 내충격 방지 및 통증, 압박감 완화를 통해 착용감 향상
- ∗ 보안경 : UV 코팅 적용으로 김서림 및 스크래치 방지, 작업자의 안면부 보호(탈부착 가능), 이물질 제거, 시야 확보, 안정성 강화.
- ∗ Ergonomic Design : Aesthetic, Comfort, Safety Enhancement, Relieve the Shock of Inside and Outside
- ∗ UV Coated Polycarbonate goggle : Resist Fogging / Impact / Scratching

〈B4〉

		Ea.	Price, ₩
DH.Hel3001	(1) Safety Helmet, ABS, with Goggle, 고글부착형		12,600
DH.Hel3002	(2) , Normal type		4,200
DH.Hel3005	(3) , Markable type		5,600

Spare Accessories

		Ea.	Price, ₩
DH.Hel3011	(4) Chinstrap, for Safety Helmet, Standard-type		1,400
DH.Hel3012	(5) , Bell-type		1,400
DH.Hel3013	(6) Rear Protection Guard, for Safety Helmet		2,110

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description

A. Superior Respirator



(1) 9332K+

B. High Protective Respirators



(2) 8955K



(3) 8822



(4) 8922



(5) Flat Fold, 9322K+



(6) 9913V

C. Standard Protective Respirators



(7) 8605



(8) 8710L



(9) 8210



(10) 8710G



(11) 8812K



(12) 9913K



(13) 9914



(14) 8246

3M® Disposable Particulate Respirator, Light Weight, Comfortable & Convenient Variety of Strap Attachments and Types, 일회용 안면부 여과식 방진 마스크, 특급 · 1급 · 2급

A. 3M® Superior Respirators, Highest Filtration Efficiency, Cool Flow® Exhalation Valve

■ 특급 방진마스크 ; 납, 비소, 석면, 카드뮴, 베릴륨 같은 고위험성 분진발생 장소용
■ 3M 특화기술인 쿨플로우™ 배기밸브가 부착되어 더운 공기가 외부로 신속히 배출됨.

∗ Ideal for Specific Contaminants Including Lead, MDA, Arsenic, Cadmium and High-risk Dust
∗ Cool Flow® Exhalation Valve : Proprietary One-way Valve for Easy Exhalation and Cool Comfort.
∗ Application : Metal Smelting, Laboratories, Power Plants, High-risk Dust Generation &c.

<B4>

		Pk.	Price, ₩
3M.03.5078	**(1)** "**9332K+**" Respirator, Superior, Flat Fold type with Chin Tab, Comfortable Nose Form	10ea	42,670

B. 3M® High Protective Respirators, Cool Flow® Exhalation Valve

■ 1급 방진마스크 ; 용접 등 금속가공, 광물, 밀가루, 목재 등의 분진발생 장소용
■ 3M 특화기술인 쿨플로우™ 배기밸브가 부착되어 더운 공기가 외부로 신속히 배출됨.

∗ Proprietary Filter Media with Electrostatically Charged Microfibers help make Breathing Easier and Cooler.
∗ Application : Welding, Soldering, Metal Casting, Forging, Smelting Steel, Metal Processing Workplace, Construction, Pharmaceutical Inspection, Repair of Equipment &c.

1. For Dust · Mist · Welding Fume 분진 · 미스트 · 용접흄

		Pk.	Price, ₩
3M.03.5181	**(2)** "**8955K**" Respirator, High Protective, Cup type 3D Nose Foam, Faceseal, with Hook	10ea	19,520
3M.03.5080	**(3)** "**8822**" Respirator, High Protective, Cup type	10ea	18,350
3M.03.5182	**(4)** "**8922**" Respirator, High Protective, Cup type, Soft Faceseal	10ea	22,280
3M.03.5081	**(5)** "**9322K+**" Respirator, High Protective, Flat Fold type with Chin Tab, Comfortable Nose Form	10ea	24,470

2. For Dust · Mist · Welding Fume with Nuisance Odor Adsorption Layer Added, 분진 · 미스트 · 용접흄 · 냄새, 특수흡착증 첨가

∗ Carbon Filter Layer Reduces Exposure to Nuisance Level Odors
※ Note! : Can not be Used as a Gas Mask

		Pk.	Price, ₩
3M.03.5083	**(6)** "**9913V**" Respirator, High Protective, for Organic Solvent Odor Cup type, Comfortable Nose Form	10ea	35,240

C. 3M® Standard Protective Respirators, 3-layered HEPA Filter

■ 2급 방진마스크 ; 냄새가 발생하는 작업현장용

∗ Comfortable, Reliable Worker Respiratory Protection against Certain non-Oil Based Particles.
∗ Ideal for Construction, Chemistry, All Manufacturing and Various Dust Work

1. For Dust & Mist Fume 분진 & 미스트

		Pk.	Price, ₩
3M.03.5086A	**(7)** "**8605**" Respirator, Standard Protective, Cup type, Elastic Headband	10ea	6,270
3M.03.5087	**(8)**"**8710L**" Respirator, Standard Protective, Cup type Superior Comfort / Durability Headband	20ea	15,150
3M.03.5088	**(9)** "**8210**" Respirator, Standard Protective, Cup type NIOSH N95, Adjustable Natural Rubber Head Strap	20ea	21,550
3M.03.5089	**(10)** "**8710G**" Respirator, Standard Protective, Cup type, Gray	20ea	17,480
3M.03.5090	**(11)** "**8812K**" Respirator, Standard Protective, Cup type Installed Cool Flow® Exhalation Valve	10ea	12,240

2. For Dust & Mist Fume with Nuisance Odor Adsorption Layer Added, 분진 · 미스트 · 냄새, 특수흡착증 첨가

∗ Carbon Filter Layer Reduces Exposure to Nuisance Level Odors
※ Note! : Can not be Used as a Gas Mask

		Pk.	Price, ₩
3M.03.5093	**(12)** "**9913K**" Respirator, Standard Protective, Cup type	20ea	48,050
3M.03.5094A	**(13)** "**9914**" Respirator, Standard Protective, Cup type Installed Cool Flow® Exhalation Valve	10ea	29,120
3M.03.5095	**(14)** "**8246**" Respirator, Standard Protective, for Acid-based Odor Cup type, Light Blue, NIOSH R95, for Mercury, Aluminum, Glass Etching, Acid-based Odor Generation Workshop	20ea	64,070

Articles	Cat. No	Description

3M™ Single Vapor/Gas Cartridge Half Facepiece Respirator "3200" & "HF-50", Reusable, Used with Filter Cartridge(Option)

For Reliable & Convenient Respiratory Protection, Lightweight, **방독/방진 호흡 보호구, 단구 반면형, 필터카트리지 별매**



1. 3200



2. HF-50

3. Vapor/Gas Cartridges



3-(1) 3301K-100



3-(2) 3303K-100



3-(3) 3311K-100

■ 용도에 따라 3M™ 정화통을 결합하여 방독 혹은 방진 겸용으로 사용.

* Low Profile Design Allows a Wide Field of Vision
* Soft, Elastomeric Face-fit Secures a Lasting Comfort
* Suggested Applications : Welding, Painting, Grinding, Abatement Activities, Chemical Handling and Mixing, and other Applications where Gas or Particulate Protection is required

〈B4〉

1. Soft TPE Facepiece Type "3200", 필터카트리지 별매

		Ea.	Price, ₩
3M.03.5105	"**3200**" Respirator, Half Facepiece, for Single Cartridge		12,670

2. Silicone Facepiece Type "HF-50", Cool Flow™ Valve, 필터카트리지 별매

* 3M 특화기술인 쿨플로우™ 배기밸브가 부착되어 더운 공기가 외부로 신속히 배출됨.

		Ea.	Price, ₩
3M.03.5211	"**HF-50**" Respirator, Half Facepiece, for Single Cartridge		18,790

3. Optionally Necessary Filter Cartridge for Vapor/Gas, 필수 필터카트리지-별매

(1) Organic Vapor Cartridge "3301K-100", 방독

* 최저농도 유기화합물용

		Ea.	Price, ₩
3M.03.5108	"**3301K-100**" Cartridge, Organic Vapor		4,900

(2) Organic Vapor & Acid Gas Cartridge "3303K-100", 방독

* 최저농도 유기화합물용, 할로겐, 황화수소, 아황산용

		Ea.	Price, ₩
3M.03.5109	"**3303K-100**" Cartridge, Organic Vapor / Acid Gas		6,850

(3) Organic Vapor with Particulate Filter "3311K-100", 방진/방독 겸용

* 최저농도 유기화합물용, 2급 방진

		Ea.	Price, ₩
3M.03.5110	"**3311K-1000**" Cartridge, Organic Vapor with Particulate Filter		5,820

3M™ Dual Vapor/Gas Cartridge Half Facepiece Respirator, Reusable, Used with Filters & Cartridges(Option)

Protection against Gases · Vapors · Particulate Hazards, Easy Breathing, Lightweight, **방독/방진 호흡보호구, 양구 반면형, 필터/정화통 별매**



(1) 7500 Series



(2) 6500 Series



(3) 6000 Series

■ 3M™ 정화통과 필터를 결합하여 착용시 Permissible Exposure Limit(PEL) 농도의 10배까지 보호됨.

* Reliable, Convenient Respiratory Protection when Combined with "3M" Particulate Filters or Cartridges.
* NIOSH Approved for Negative Pressure Air Purifying and Supplied Air Dual Airline Applications
* Swept Back Design, Easy-to-adjust Head Straps
* Can be Disassembled, Cleaned and Reused * Comes with Reclosable Storage Bag
* Suggested Applications : Abatement, Painting, Welding, Chemical handling, Battery manufacturing, Construction, Utilities, Mining, Pharmaceutical, Smelting

(1) 7500 Series ; Premium, *Cool Flow®* Exhalation Valve, Silicone Faceseal, 필터/정화통 별매

■ 3M 특화기술인 쿨플로우™ 배기밸브가 부착되어 더운 공기가 외부로 신속히 배출됨.

* Cool Flow® Valve : Easy Breathing, Reducing Heat and Moisture Build-up for Cool, Dry Comfort.
* Unique Adjustment Design helps Reduce Pressure Points on the Face for Unsurpassed Comfort. Advanced Silicone Material

〈B4〉

		Ea.	Price, ₩
3M.03.5060	"**7502**" Respirator, Half Facepiece, Premium, Medium		42,670

(2) 6500 Series ; *Cool Flow®* Exhalation Valve, Silicone Faceseal, 필터/정화통 별매 NEW

■ 3M 특화기술인 쿨플로우™ 배기밸브가 부착되어 더운 공기가 외부로 신속히 배출됨.

* Cool Flow® Valve : Easy Breathing, Reducing Heat and Moisture Build-up for Cool, Dry Comfort.
* Quick Latch Design Offers One-hand Touch Drop-Down for Putting the Facepiece on and Taking it off

		Ea.	Price, ₩
3M.03.5194	"**6502**" Respirator, Half Facepiece, Medium		27,380

(3) 6000 Series ; Lightweight and Comfort, 필터/정화통 별매

		Ea.	Price, ₩
3M.03.5061	"**6200**" Respirator, Half Facepiece, Medium		19,080

※ *Optional Filters & Cartridges ⇒ See The Next Page !*

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description

3M™ Dual Vapor/Gas Cartridge Full Facepiece Respirator, Reusable, Used with Filters & Cartridges(Option)

Protection against Gases · Vapors · Particulate Hazards, Cool Flow® Valve, **방독/방진 호흡보호구, 양구 전면형, 필터/정화통 별매**



(1) FF400 Series



(2) 6000 Series

■ 3M™ 정화통과 필터를 결합하여 착용시 Permissible Exposure Limit(PEL) 농도의 50배까지 보호됨.

■ 3M 특화기술인 쿨플로우™ 배기밸브가 부착되어 더운 공기가 외부로 신속히 배출됨.

* Reliable, Convenient Respiratory Protection when Combined with 3M™ Filters & Cartridges
* Cool Flow® Valve : Easy Breathing, Reducing Heat and Moisture Build-up for Cool, Dry Comfort.
* Unique Center Adapter to Direct Exhaled Breath and Moisture Downward
* Silicone Faceseal and Nose Cup
* Large Lens for Wide Field of View and Excellent Visibility. * Comes with Reclosable Storage Bag
* Suggested Applications : Abatement, Painting, Welding, Chemical handling, Battery manufacturing, Construction, Utilities, Mining, Pharmaceutical, Smelting

(1) FF400 Series ; *Scotchgard™* Protector Lens Coating, 필터/정화통 별매

* **Scotchgard™ Protector :** Paint and Stain Resistant Lens, Bead up Liquids on the Surface, Wiped off Easily.
* Easy-to-Adjust Head Straps(6 Point)

〈B4〉

		Ea.	Price, ₩
3M.03.5062	"**FF402**" Respirator, Full Facepiece, Medium		331,970

(2) 6000 Series ; Lightweight and Comfort, 필터/정화통 별매

* Easy-to-Adjust Head Straps(4 Point)

		Ea.	Price, ₩
3M.03.5063	"**6800**" Respirator, Full Facepiece, Medium		195,840

※ *Optional Filters & Cartridges ⇒ See The Followings !*

3M® Particulate Filter "2000 Series", for Oil and Non-oil based Airborne Particulates, 99.97% Filter Efficiency, NIOSH Approved

Compatible with 3M™ Reusable Facepiece Respirators & Cartridges, Lightweight, Easy Breathing, **방진 필터**



(1) 2078K



(2) 2091K



(3) 2097K

■ Half Facepiece 경우 OSHA PEL Particulate 오염농도의 10배까지, Full Facepiece 경우 50배까지 호흡 보호.

* Respiratory Protection from Particulate Contaminant Concentrations up to 10 times the OSHA Permissible Exposure Limit(PEL) with Half Facepieces and 50 times the OSHA PEL with Quantitatively Fit Tested Full Facepieces.
* Filter Material : Polypropylene * Dimensions : Φ10.9cm

〈B3〉

Spec. \ Model	(1) 2078K	(2) 2091K	(3) 2097K
Gas & Vapor Protection Type	Organic Vapor, Particulates	Particulates	Organic Vapor, Particulates
Nuisance Odor Relief (< OSHA PEL)	Organic Vapors and Acid Gases	N/A	Organic Vapors
NIOSH Approved	P95	P100	P100
한국산업안전보건공단 인증	1급	특급	특급
Application(용도)	미스트 발생 작업 유기용제 냄새 및 산성가스 냄새 (방독마스크로 사용금지)	미스트 발생 작업 베릴륨·석면·방사능 등 독성 분진	미스트 발생 작업 베릴륨·석면·방사능 등 독성 분진 유기용제 냄새 및 오존 냄새 (방독마스크로 사용금지)
Cat. No.	**3M.03.5064**	**3M.03.5065**	**3M.03.5066**
Price, ₩ (2ea/Pk.)	5,680	4,900	6,410

3M® Organic Vapor/Gas Cartridge "6000 Series", for Reusable Facepiece Respirators, NIOSH Approved

Low-profile, Swept-back Design, Lightweight, Easy Breathing, **방독 정화통**


(1) 6001K


(2) 6002K


(3) 6003K


(4) 6004


(5) 6006K


(6) 60928K


(7) 5N11


(8) 501


(9) 603

■ ***Half Facepiece 경우 OSHA PEL Vapor농도의 10배까지, Full Facepiece 경우 50배까지 호흡 보호.***

* Used for Vapor Concentrations up to 10 times the Permissible Exposure Limit (PEL) with Half Facepieces or 50 times PEL with Quantitatively Fit Tested Full Facepieces.
* Swept-back Design Allows an Enhanced Field of View and Comfort
* Uses Carbon Particles to Adsorb Contaminants
* Dimensions : 107×86mm

〈B3〉

Spec. / Model	Type	Protection	용도	Cat. No.	Pk.	Price, ₩
(1) 6001K	Cartridge	Organic Vapor	저농도 유기화합물용	**3M.03.5067**	2ea	9,910
(2) 6002K		Acid Gas	저농도 할로겐, 황화수소, 아황산용	**3M.03.5068**	2ea	12,960
(3) 6003K		Organic Vapor or Acid Gas	저농도 유기화합물, 할로겐, 황화수소, 아황산용	**3M.03.5069**	2ea	10,490
(4) 6004		Ammonia and Methylamine	저농도 암모니아용	**3M.03.5070**	2ea	13,840
(5) 6006K		Organic Vapor, Acid Gas, Ammonia, Methylamine and Formaldehyde	저농도 유기화합물, 할로겐, 황화수소, 아황산, 암모니아, 포름알데히드용	**3M.03.5072**	2ea	16,750
(6) 60928K	Filter & Cartridge Combo (P100)	Organic vapor, Acid Gas and Particles	저농도 유기화합물, 할로겐, 황화수소, 아황산, 암모니아용 특급 방진	**3M.03.5074**	2ea	30,000
(7) 5N11	Particulate Filter(N95)	Non-oil-based Particles	방진이 필요할때 Cartridge에 5N11 Filter+ 501 Retainer+ 603 Adapter를 사용	**3M.03.5075**	10ea	15,730
(8) 501	Filter Retainer for 5N11			**3M.03.5076**	20ea	24,760
(9) 603	Filter Adapter for 5N11			**3M.03.5077**	20ea	56,790

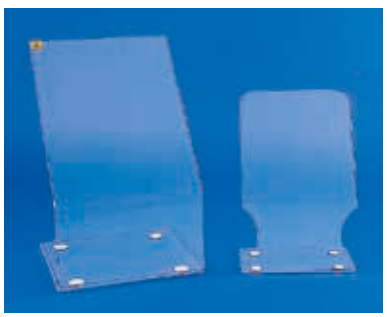
※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



※ Safety Mats
⇒ See the "Mats" Section!

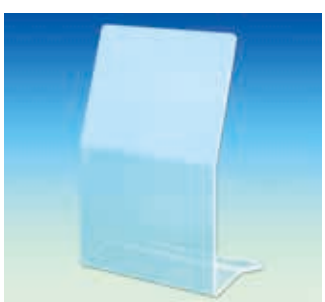
, Radiation Shields 방사선 차폐막



Kartell® PMMA Safety Shield, for Protect Hazardous Substances & Radiations, High Quality
Made of Polymethylmethacrylate(PMMA), Portable and Stable, <Italy-Made> PMMA **안전보호막**

* The Safety Shields are Available in Two Sizes with Different Thicknesses and are Made of High Quality, Clear Acrylic ; are Free Standing, Portable and Stable, and are all Fitted with non-skid Feet.
* −40℃+85/90℃ Stable
* KA.571 : Designed to Provide Laboratory and Healthcare Personnel with Facial Protection from Hazardous Substances, Aerosol and Splashing.
* KA.572 : Designed to Provide Additional Protection from Radiations While Using Beta Emitting Isotopes. 〈L1〉

		Ea. Price, ₩
KA.571	Shield, PMMA, 242×h365mm, Thickness 5mm, for Hazardous Substances	133,150
KA.572	, 305×h480mm, Thickness 9mm, for Beta Radiations	268,950



Azlon® Acrylic Safety Beta Radiation Shield, Thickness 10mm
Angled for Comfortable Working Position, Shield Angle 20°, **아크릴 베타 방사선 차폐막**

■ ***Supplied by Azlon® in UK.***
* Acrylic Protect against Beta Radiation
* Angled to allow Comfortable Working Position when Examining or Handling 〈L1〉

		Ea. Price, ₩
Az.SRS002	Acrylic Shield, Dual Angled-type, 20°, 445×150mm	150,420

, Shoes 안전화



(1) Antistatic Shoe & Boot



(2) Antistatic Safety Shoe & Boot

Apro® Antistatic 100-class Clean Room Shoe & Boot, 정전기 방지 크린룸용 방진화 & 부츠

■ ***Made in Korea*** ■ ***Good for Over 100 Class Clean Room & Laboratory***
■ ***Polyurethane Sole Provide Excellent Protection Against Dust and Particle***
* 100 Class(NHB5340.2) : 0.5㎛ Particles Under 100Ea. / 1ft³

(1) Antistatic Shoe & Boot (5/10mm Unit Size)

■ ***신체 접촉부위 방진 원단 연결로 높은 통전성 확보와 인체공학적 밑창으로 장시간 착용 시에도 피로하지 않음*** 〈L3〉
* Light-weighted - 40% Lighter than PVC Material

		Pair. Price, ₩
A7.SH1001	Shoe, for Clean Room, 230~290mm (5mm Unit Size)	16,040
A7.SH4001	Boot , for Clean Room, 230~280mm (10mm Unit Size)	21,940

(2) Antistatic Safety Shoe & Boot (5/10mm Unit Size)

■ ***제전성과 통기성이 우수함*** * Protected Foot By Built In Ceramic Coated Safe Steel

		Pair. Price, ₩
A7.SH5001	Safety Shoe, for Clean Room, 235~290mm (5mm Unit Size)	38,820
A7.SH6001	Safety Boot , for Clean Room, 240~280mm (10mm Unit Size)	45,570



3M® Premium 5″ Safety Shoes "Light Step S", Durable, Ultra Lightweight, 235~290mm
Ideal for Light Duty Utility, Non-slip, Wearable, Less Feet Fatigue, **초경량 안전화**

■ ***미끄럼 방지 강화, 최상의 쿠션감으로 발의 피로도 감소, 통풍성 우수***
■ ***스카치라이트(Scotchlite™)의 기술력인 반사소재 부착으로 야간활동에서 착용자의 안전성을 높임*** ■ ***Made in Korea***
* Material : Upper– Cordura Fabric(More Durable than Nylon) + Synthetic Leather, OutSole – Rubber & Glass Bubble + EVA
* Excellent Ventilation with Cordura Fabric * Comfortable & Wearable * Suitable for Night Work 〈B4〉

※ Please Note! when Ordering, Need to Specify Desired Size(mm)!

		Ea. Price, ₩
3M.03.5213	Safety Shoes, 5", Brown, 235~290mm	77,000

Articles	Cat. No	Description

Buffalo® 4인치 높이 안전화, 4″ Height Safety Shoes

(1) 뉴스피카 "BFL-403", 트레킹화 겸용, 메쉬원단, 신끈 방식



* Navy+Yellow색, 액션누벅+메쉬원단, 통기성 우수
* Sole/밑창; 파일론+Rubber, 아웃솔 장착, 충격흡수/미끄럼 & 오일 방지
* 센드 메쉬 원단 사용 통풍 우수성과 경량화
* 패션 트레킹화 컨셉 평상화, 안전토우 캡 적용 〈B4〉

		Ea.	Price, ₩
BFL.403	Safety Shoes, 4″, Size 240~285mm (5mm 단위)		46,880

(2) Premium형, 뷰티 "BFL-410", 메쉬원단, Dial 신끈 방식



* Violet색, 액션누벅+에어메쉬, 통풍성 우수
* Sole/밑창; 파일론+Rubber, 아웃솔 장착, 충격흡수/미끄럼&오일 방지
* 에어 메쉬 원단 사용 통풍 우수성과 경량화
* Dial 신끈 편리한 착화/탈화, 안전토우 캡 적용

		Ea.	Price, ₩
BFL.410	Safety Shoes, 4″, Size 240~285mm (5mm 단위)		52,920



Blue White

AnySafe™ Antistatic Clean Room Shoe Cover, Non-woven Fabric
Clean Class 10,000, 크린룸/정전기 방지 신발 커버

■ Supplied by DAIHAN Korea ***■ 단층구조 장섬유 부직포로 제조되어 작업자의 공정보호에 효과적***
■ 정전기 방지 ***■ 분진 및 소량의 액상물질 방어에 적합***

* Anti-electrostatic. Conductive Filament Yarn Piece
* Free-size

〈L1〉

		Pk.	Price, ₩	Cs.	Price, ₩
DH.App6501	Shoe Cover, for Clean Room, Blue	50pair	10,950	10pk	101,370
DH.App6502	, White	50pair	10,950	10pk	101,370



PVC Non-slip Boot Cover

3M® "450" Disposable PVC Non-Slip Boot Cover, Durable, Low Linting Fabric
Anti-static, Lightweight, Universal Size, White, 일회용 정전기 방지 신발 & 부츠 커버

■ 내구성 및 보호도가 우수

* Ideal for Protection Particles & Chemical Liquids
* Easy to ON & Off
* Slip Resistant Sole to Help Improve User Safety
* Good Fit for a Wide Range of Users

〈B4〉

		Ea.	Price, ₩
3M.03.450	"450" Boot Cover, Microporous Laminate, Non-slip		3,170



Antistatic 3 Layers Non-woven Boot & Shoe Cover, 정전기 방지 부츠커버

Lightweight cover is completely sealed to prevent shedding of particulates.
Static Shielding helps to protect products and processes.

■ 미세분진 및 액상의 화학물질 방어에 적합

* Ideal for Protection Particles & Chemical Liquids
* Non-woven 3-Layers, White
* Anti-electrostatic has become Effective Product & Process

〈L3〉

		Pk.	Price, ₩	Cs.	Price, ₩
Y2.44041	Boot Cover	25pair	41,930	4pk	155,250
Y2.44600	Shoe Cover	50pair	26,440	6pk	146,820



Foot Strap, Antistatic & Non-slip, Resistance 1㏁, 정전기 방지/미끄럼 방지 풋 스트랩

■ 미끄럼 방지 풋 스트랩 ***■ 후면부 재질 : 나일론***

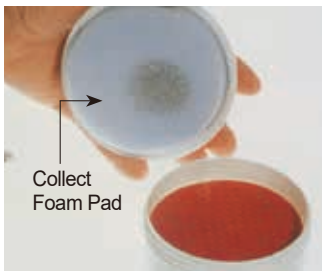
* Heel Strap of Anti-Slip type

〈L2〉

		Ea.	Price, ₩
SL.App6021	"BH-901RA" Foot Strap, 1㏁		21,800

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



Burkle® Mercury Collector, with Collection Foam Pad of PE, Φ105×h 48mm
For Mercury Spill Clean-up Quick and Simple, <Germany-Made> PE 수은 콜렉터

■ Collect Spilled Mercury by Pressing the PE Foam Pad in the Screw Top Closure
* Easy to Draw into and Encapsulate Collected Mercury in the Pad by Releasing the Pressure
* Release the Collected Mercury by Screwing the Closure on to the Jar

<L1>

		Ea.	Price, ₩
BK.9789.0001	Mercury Collector, Φ105×h 48mm		75,290
BK.9789.0002	Replacement Pad for Mercury Collector		12,650



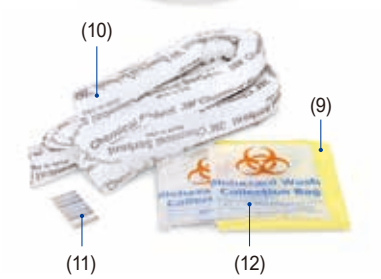


※ Waste Collection & Disposal 폐기물 처리
⇒ See the "Waste Disposal" Section!

Wisd™ Spill Control Kit for Chemical & Oil, with Absorbent and Protective Equipment, 8 & 5 Items
For Emergency Situations in Laboratory & Industrial Site, 스필키트/유해물질 유출 대처 키트, 양구 전면형, 케미칼 & 오일




A. Chemical Spill Control Kit

B. Oil Spill Control Kit

■ Supplied by DAIHAN Korea
■ 스필키트(Spill Kit) : 유출 사고 시 유출 액상을 차단하고 흡수시키고 폐흡착제를 처리하는 작업을 하나의 키트를 통하여 해결할 수 있도록 하는 이동식 방제함.

* A Control Kit that can Block and Absorb the Spilled Chemical / Oil in the event of a Spill Accident and Treat the Waste Adsorbent.

A. Chemical Spill Control Kit

* 구성품 : 보안경 1ea, 팔토시 1pair, 니트릴 장갑 1pair, 앞치마 1ea, 흡착용 가드 3ea, 흡수 패드 10ea, 폐기봉투 1ea, 컨테이너 1ea
* Kit Consist of 1 Goggle, 1pair of Arm Cover, 1pair of Nitrile Glove, 1 Apron, 3 Chemical Sorbent Mini-Booms, 10 Chemical Sorbent Pads, 1 Biohazard Waste Bag, 1 Container.

<B1>

		Set.	Price, ₩
DH.Spi3001	**Spill Control Kit,** for Chemical		107,320

Components / Spare Parts

		Pk.	Price, ₩
3M.03.5173	**(1) Goggle,** "332AF", Standard-style	1ea	3,500
3M.MC3000.1	**(2) Arm Cover,** Chemical Resistant, Yellow, Free-size	1ea	5,830
SL.Glo6094	**(3) Glove,** Nitrile, Long Cuff, Powder Free, Textured, Large	100ea	20,520
3M.MC3000	**(4) Apron,** Chemical Resistant, Yellow, Free-size	1ea	6,340
3M.03.P200	**(5) Chemical Sorbent Mini-Booms,** 7.5cm×1.2m, 360g/Boom	1ea	20,970
3M.03.P110K	**(6) Chemical Sorbents Pad,** 28×33cm, 26g/Pad	200Sheet	232,960
SL.Bag3003	**(7) Bag,** PP Biohazard, 50×75cm	50ea	32,720
DH.Bot3435	**(8) Container,** HDPE, 20Lit , Φ312×h375mm, Steel Handle	1ea	10,230

B. Oil Spill Control Kit

* 구성품 : 흡착용 가드 3ea, 흡수 패드 8ea, 조작방지 라벨 6ea, 폐기봉투 2ea, 컨테이너 1ea
* Kit Consist of 3 Chemical Sorbent Mini-Booms, 8 Chemical Sorbent Pads, 6 Tamper Proof Labels, 2 Biohazard Waste Bag, 1 Container.

		Set.	Price, ₩
DH.Spi3002	**Spill Control Kit,** for Oil		136,160

Components / Spare Parts

		Pk.	Price, ₩
3M.03.CRL15150DD	**(9) Chemical Sorbent Rolls,** 38.7×L457cm, 5.5kg	1Roll	238,790
3M.03.P200	**(10) Chemical Sorbent Mini-Booms,** 7.5cm×1.2m, 360g/Boom	1ea	20,970
BK.5303.5000	**(11) Tamper Proof Label,** w95×h20mm, 500Pieces/1Roll	500Pcs	288,520
SL.Bag3003	**(12) Bag,** PP Biohazard, 50×75cm	50ea	32,720
DH.Bot3435	**(13) Container,** HDPE, 20Lit , Φ312×h375mm, Steel Handle	50ea	10,230

Articles	Cat. No	Description

Spill Control Kit, A. for Chemical, B. for Biohazard, C. for Hydrofluoric Acid, with Absorbent and Protective Equipment For Emergency Situations in Laboratory & Industrial Site, 스필키트/유해물질 유출 대처 키트



6 Items

A. NewPig® Spill Control Kit for Chemical

■ ***Supplied by DAIHAN Korea***
■ ***스필키트(Spill Kit) : 유출 사고 시 유출 액상을 차단하고 흡수시키고 폐흡착제를 처리하는 작업을 하나의 키트를 통하여 해결할 수 있도록 하는 이동식 방제함.***

∗ Blocks and Absorbs the Spilled Chemicals & Biohazard Fluids in the event of a Spill Accident and Treats the Waste Adsorbent.

A. NewPig® Spill Control Kit for Chemical, 케미컬용 6 Items

∗ 구성품 : 흡수 패드 3ea, 산성 중화제 1ea, 염기성 중화제 1ea, 스쿠프 1ea, 니트릴 장갑 1pair, 폐기봉투 1ea
∗ Kit Consists of 3 Chemical Sorbent Pads, 1 Acid Neutralizer, 1 Base Neutralizer, 1pair of Nitrile Glove, 1 Biohazard Waste Bag. 〈B4〉

		Set.	Price, ₩
DH.Spi3011	Spill Control Kit, for Chemical, 6 Items		56,000


14 Items

B. Biohazard Spill Control Kit

B. Biohazard Spill Control Kit, 바이오해저드용 14 Items

∗ 구성품 : 케이스 1ea, 가운 1ea, 마스크 1ea, 헤어캡 1ea, 신발커버 1pair, 니트릴 장갑 1pair, 스쿠프 1ea, 종이타월 2ea, 분말 흡착 응고제 1ea, 트위스트 타이 1ea, 폐기봉투 1ea, 살균용 와이퍼 1ea, 핸드 와이퍼 2ea, 설명서 1ea
∗ Kit Consist of 1 Case, 1 Gown, 1 Mask, 1 Hair Cap, 1 Shoe Cover, 1pair of Nitrile Glove, 1 Scoop, 1 Paper Towel, 1 Solidifier, 1 Twist Tie, 1 Waste Bag, 1 Germicidal Wipe, 2 Hand Wipe, 1 Manual.

		Set.	Price, ₩
DH.Spi3012	Spill Control Kit, for Biohazard, 14 Items		53,200



17 Items

C. Hydrofluoric Acid Spill Control Kit

C. Hydrofluoric Acid Spill Control Kit, 불산용 17 Items

∗ 구성품 : 케이스 1ea, 불산 중화연고 2ea, 암모니아 흡입제 0.3㎖ 2ea, 장갑 1pair, 소독 스프레이 2ea, 눈 세정제 1ea, 콜드 팩 1ea, 붕대(중) 2ea, 붕대(소) 2ea, 반창고 1ea, 가위 1ea, 의료용 펜라이트 1ea, Eye패드(70×45mm) 4ea, 패드(76×76mm) 6ea, 패드(102×102mm) 6ea, 패드(127×230mm) 2ea, 패드(203×254mm) 2ea
∗ Kit Consist of 1 Case, 2 HF Acid Neutralizer, 2 Ammonia Inhalant 0.3㎖, 1pair of Nitrile Glove, 2 Antiseptic Spray, 1 Eye Wash, 1 Cold Pack, 2 Bandage(Medium), 2 Bandage(Small), 1 Adhesive Plaster, 1 Scissors, 1 Penlight, 4 Eye Ped(70×45mm), 6 Pad(76×76mm), 6 Pad(102×102mm), 2 Pad(127×230mm), 2 Pad(203×254mm).

		Set.	Price, ₩
DH.Spi3013	Spill Control Kit, for Hydrofluoric Acid, 17 Items		406,000


(1)


(2)

Oil Sorbent Pad, White, Special HPC, 48×43cm Sheet or 0.5×50m Roll, 3.5mm-thick With Eco-friendly & Non-toxic, Strong Oil Absorption : Absorption of 10~20 times Own Weight, 오일흡착재

■ ***Made in Korea*** ∗ Individual Sterile Packed
∗ Strong Oil Absorption : Microfiber Capillary Phenomena(Absorption of 10 to 20 times Its Own Weight)
∗ PP Material Ultrafine Fiber(HPC) : Chemically Stable, Manufactured Melt-blown Type 〈L1〉

		Pk.	Price, ₩
SL.Sor3004	(1) Oil Sorbent Pad, 48×43cm Sheet-type, 100sheet/Pk	100sheet	84,380
SL.Sor3005	(2) , 50cm×50m Roll-type, Roll/Pk	50m Roll	84,380

3M® Chemical Sorbents, for Hazardous Spill Control, Provide High Absorption Capacity Suitable for Absorbing Chemical Liquids, Convenient, Raid to Deploy, 케미컬 흡착재


(1) Pad-type

■ ***화학 공장의 창고나 생산라인, 각종 연구실, 실험실 등 주로 화학약품을 다루는 곳에서 사용***
■ ***산, 알칼리 등의 액체 유해물 외에도 거의 모든 형태의 액체를 흡착, 대부분의 화학물질과 결합하여도 화학반응을 일으키지 않음***
■ ***흡착력이 강하며 빠르게 운반가능, 폐기처리 용이*** ■ ***For Control and Clean-up of Most Hazardous Liquids***
∗ Can be Used with Many Aggressive Chemicals such as Acids and Alkalis
∗ Immediate Response to Chemical Spillages ∗ Fast and Effective Containment and Clean-up

(1) 3M® Chemical Sorbent Pads, w28×L33cm 패드 타입

■ ***패드 타입은 화학실험과 같이 좁은 장소에서 이용 용이*** ■ ***오염된 장비나 기계를 닦아 내는데 활용***
∗ Perfect for Cleaning up Small Spills and Wiping Contaminated Areas
∗ Allow the User to Quickly Spread Sorbent on and in the Path of a Spill
∗ Highly Absorbent, Featuring a Low Profile Design ∗ Absorption Capacity : 0.3L / pad
∗ Conveniently Sized and Packaged in a Dispenser Box 〈B4〉

		Cs.	Price, ₩
3M.03.P110K	Chemical Sorbents Pad, 28×33cm, 26g/Pad	200Sheet	232,960


(2) Roll-type, 4.57m

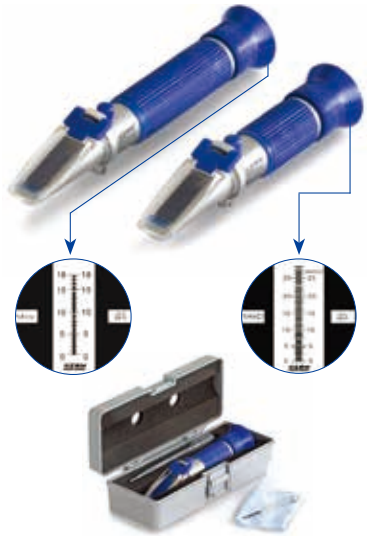
(2) 3M® Chemical Sorbent Rolls, w38.7×L457cm 롤 타입

■ ***넓은 지역으로 번진 케미컬을 신속하게 흡착할 수 있으며 원하는 길이만큼 잘라 쓸 수 있어 사용하기에 편리함***
∗ For Fast Coverage of Large Surface Areas ∗ Absorption Capacity : 117L / Roll
∗ Offers the Versatility to Cut-for-Use in Small Areas or Lay Down Full Size for Larger Spills
∗ Used as a Mat to Keep Shorelines or Banks Clean and to Place Used Sorbents Upon

		Cs.	Price, ₩
3M.03.CRL15150DD	Chemical Sorbent Rolls, 38.7×L457cm, 5.5kg	1Roll	238,790

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



2-Year Warranty

Kern® Popular Portable Refractometer "ORA", Measurement of Salt, Compact Size
With Wide Application Scopes, 0.1~28%, 휴대용 염도계, 자동온도보정

■ ***Supplied by Kern® in Germany***
■ ***The Handy and Robust Design Allows the Easy, Efficient and Sustainable Use in Every Life***
* The Models Marked with "ATC" have an Automatic Temperature Compensation which Enables Accurate Measurement at Different Ambient Temperatures(10℃~30℃)
* Measurement Temperature without ATC : 20℃
* Applications for food industry, Restaurants, Large-scale Catering Establishment and Aquaristic.
* Fraction of Natrium Chloride in Water as well as of the Content of NaCl(Salt) in Water.
▸ **Complete Set with : ① Refractometer, ② Storage Box, ③ Pipette, ④ Tools, ⑤ Cleaning Tissue, ⑥ Calibration Liquid**



Specifications & Ordering information
<L1>

Cat. No.	Scales	Measuring Range	Division	Dimensing & Net Weight	Set. Price, ₩
KE.ORA.1SA	Salinity Specific Gravity	0 ~ 100 ‰ 1,000 ~ 1,070 sg	1 ‰ 0.001 sg	198×40×40mm, 0.155kg	202,100
KE.ORA.2SA	Salt (NaCl)	0 ~ 28 %	0.2 %	178×40×40mm, 0.145kg	202,100
KE.ORA.3SA	Salt (NaCl) Brix	0 ~ 28 % 0 ~ 32 %	0.2 % 0.2 %	178×40×40mm, 0.145kg	202,100



Salinity Pen-type Meter

DAIHAN® Pocket Dual Temp. & Salinity Pen-type Meter "SAL3", IP65 Waterproof
With Large Display LCD for Salinity and Temp, 0~70.0ppt, 0℃~50.0℃, 휴대용 염도계, IP65 방수

■ ***Supplied by DAIHAN Korea*** ■ ***디지털 휴대용 염도계, 염도와 온도 동시 디스플레이***
* One Touch Auto-calibration & Calibration Values are Adjustable
* Auto Temperature Compensation
* Large Display LCD for Simultaneous Output of Salinity and Temperature (w18×h30 mm)
* Quick Response & Auto Power off (20min / Disable)
* Built-in NaCl conductivity to TDS Conversion Factor
* Hold Function to Freeze Current Reading
* Temperature unit ℃/°F Selectable

Specifications & Ordering information
<L1>

Spec. \ Model	DH.SAL3
2×Measuring Range	(1) Salinity : 0.00 ~ 10.0ppt(NaCl), 10.1 ~ 70.0ppt(NaCl), (2) Temp.: 0℃~50.0℃
2×Accuracy	(1) Salinity : ±1%F.S ±1digit, for 0 ~ 10.00ppt, ±2%F.S for 10.1 ~ 70.0ppt, (2) Temp. : ±0.5℃
2×Resolution	(1) Salinity : 0.01, for 0 ~ 10.00ppt, 0.1 for 10.1 ~ 70.0ppt, (2) Temp. : 0.1
Sensor life time / Battery	> 6 months (with Good Maintenance) / LR44×4pcs.
Dimension / Weight(g)	165×35×h32mm (LCD Size : 30×18mm) / 115g
Standard Package	Meter / Battery / Manual / Paper Box
Cat. No. & Price ₩	**DH.Sal3003** — **₩ 106,240 / Set**

Kern® Digital Handheld Refractometer "ORM", ATC, Multi-application, Measurement of Salt, IP65 Waterproof
With Compact Size, Large Display, 디지털 휴대용 굴절계, 염도 측정, IP65 방수

2-Year Warranty



Box with Accessories

■ ***Supplied by Kern® in Germany*** ■ ***2-Year Warranty***
* Protection Class : IP65
* Net Weight approx. 289 g
* Power Supply : 1×AAA (1.5V)
* Lifetime of the Battery : approx. 10,000 Measurements
* Minimum Sample Volume : 4 drops
* ATC (Automatic Temperature Compensation)
* Overall Dimensions : 121×58×h25mm
* Automatic Energy Management (AUTO-OFF after 60 Seconds)

<L1>

Cat. No.	Scales	Measuring range	Accuracy	Division	Price (₩)
KE.ORM.1NA	Brix Salt (NaCl) Refractive index	0-28 % 0-28 % 1.3330-1.4100 nD	±0.2 % ±0.2 % ±0.0003 nD	0.1 % 0.1 % 0.0001 nD	787,050





(1) Aluminum Telescopic Rod



(2) Polypropylene Angular Beaker



(3) Polypropylene Pendulum Beaker



(4) V2A Stainless-steel Pendulum Beaker



(5) Polypropylene Bottle Holder



(6) V2A Stainless-steel Beaker with Scraper



(7) Polyvinyl Chloride Surface Catch Net



(8) Polypropylene Depth Catch Net

Burkle® Telescope Versatile Sample Taking System, Adjustable Length Up-to 600cm For Industry and Water Treatment, 다용도 다기능 샘플러

■ ***Supplied by Burkle® in Germany*** ■ ***For Industry and Water Treatment***

Applications & Features

* The Tools(Angular Beaker, Pendulum Beaker, Bottle Holder, Stainless-steel Beaker and Dip Net) are Attached to the Rod by a Practical Snap-in Joint
* Ideal for Sampling from Baths, Tanks, Shafts, Open Water Courses, etc.
* Sampling Depths Down to 6m can be Reached with the Adjustable Telescopic Aluminum Rod

(1) Aluminum Telescopic Rod

* Different Tools can be Attached to the Telescopic Rod (Snap-in Joint)
* The Individual Rods have been Provided with an End Stop.
* One Rod cannot Accidentally Slip out of Another Rod
* The Telescopic Rods cannot be Rotated Radially, which Means even Better Handling
* **Increased Telescopic Rod rigidity by using Cold-rolled Profile Rod**
* **Springs Made of Stainless-steel**

<L1>

		Ea. Price, ₩	Cs. Price, ₩
BK.5355.0120	Aluminum Telescopic Rod, 2 Stage, L65~120cm	69,720	10ea
BK.5355.0280	, 4 Stage, L95~280cm	139,280	10ea
BK.5355.0450	, 3 Stage, L165~450cm	194,380	10ea
BK.5355.0600	, 4 Stage, L175~600cm	238,450	10ea

(2) Polypropylene Angular Beaker, 600 · 1,000 · 2,000㎖

* The Beaker is Adaptable to Different Container Shapes by Adjustable Angle Setting(up to 90°)
* -10℃+125/140℃

		Ea. Price, ₩	Cs. Price, ₩
BK.5354.0050	PP Angular Beaker, 600㎖	132,120	10ea
BK.5354.0100	, 1,000㎖	134,690	10ea
BK.5354.0200	, 2,000㎖	148,180	10ea

(3) Polypropylene Pendulum Beaker, Φ150mm, 600 · 1,000 · 2,000㎖

* Automatically Swings to a Horizontal Position
* Nothing can be spilt
* Suitable for Deep and Narrow Shafts(Φ150mm)

		Ea. Price, ₩	Cs. Price, ₩
BK.5354.5050	PP Pendulum Beaker, 600㎖	123,300	10ea
BK.5354.5100	, 1,000㎖	129,370	10ea
BK.5354.5200	, 2,000㎖	140,750	10ea

(4) V2A Stainless-steel Pendulum Beaker, Φ130mm, 1,000㎖

* Automatically Swings to a Horizontal Position
* Nothing can be Spilt
* Suitable for Deep and Narrow Shafts(Φ130mm)
* **V2A High-quality Stainless-steel AISI 304**

		Ea. Price, ₩	Cs. Price, ₩
BK.5354.3000	V2A Stainless-steel, Pendulum Beaker, Φ130mm, 1,000㎖	487,130	5ea

(5) V2A Polypropylene Bottle Holder, Up-to Φ88mm, Adjustable Angle Up-to 90°

* Holds all Bottles up to Φ88mm
* Angle Steplessly Adjustable up to 90°
* Plastic, Glass or Metal bottles can be se-curely filled in this way

		Ea. Price, ₩	Cs. Price, ₩
BK.5354.4100	PP Bottle Holder, Up-to Φ88mm	154,120	10ea

(6) V2A Stainless-steel Beaker with Scraper, 1,000㎖

* Beaker with Scraper, Contents 1,000㎖
* Ideal for Powder, Granules, Pastes, Mud
* **Sterilisable**
* **V2A High-quality Stainless-steel AISI 304**

		Ea. Price, ₩	Cs. Price, ₩
BK.5354.2000	V2A Stainless-steel, Beaker, 1,000㎖	434,270	5ea

(7) Polyvinyl Chloride Surface Catch Net, Mesh width 2~5mm

* Catch Net for taking Solid and Organic Samples from Water Courses
* **w 280×d 310mm**
* **Mesh width 2-5mm**

		Ea. Price, ₩	Cs. Price, ₩
BK.5354.5020	PVC Surface Catch Net, w280×d310mm, Blue	154,280	5ea

(8) Polypropylene Depth Catch Net, Mesh width 2~5mm

* Catch Net for taking Solid and Organic Samples from Water Courses
* **w 430×d 190×h 250mm**
* **Mesh width 2-5mm**

		Ea. Price, ₩	Cs. Price, ₩
BK.5354.5010	PP Depth Catch Net, w430×d190×h250mm, Blue	168,480	5ea

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



SciLab® Stainless-steel Water Sampler, with PC Bottle, 1.5 Lit, 채수기 / 워터 샘플러

■ Made of 304 Stainless-steel Body & Polycarbonate Bottle

* Ideal for Collection of water Depths.
* Body material : Stainless-steel 304
* Bottle capacity : 1.5ℓ
* Bottle material : Polycarbonate

〈L3〉

Cat. No		Ea. Price, ₩
SL.Sam8004	Water Sampler, 1.5ℓ, 10m String	243,750



Burkle® Polypropylene Chemistry Beaker Sampler, Φ20mm, L100cm Rod

Ideal for Chemistry, without Metal Parts, 250 · 600 · 1000㎖, <Germany-Made> 화학물질 샘플러

* Scoop for aggressive liquids, complete with strong handle, entirely made of polypropylene
* -10℃+125/140℃

▶ **Rod Φ20mm, Length 100cm** ▶ **without Metal Parts**

〈L1〉

Cat. No		Ea. Price, ₩	Cs. Price, ₩
BK.5353.0250	Scoop Sampler, PP, 250㎖	164,180	10ea
BK.5353.0500	, 600㎖	169,970	10ea
BK.5353.1000	, 1000㎖	174,190	10ea



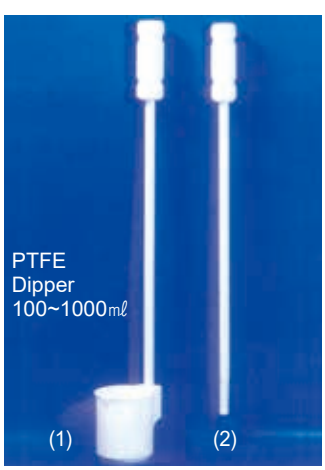
Cowie® PTFE Sampler / Ladle, 10㎖

With 150mm Handle, −200℃+280℃ Stable, <UK-Made> PTFE 래들 샘플러

* Totally Chemically Inert with Super Smooth Finished
* All(pure) PTFE : 10㎖ Vessel, with fixed Handle and Pouring Spouts on Both Side of the Container

〈L1〉

Cat. No		Ea. Price, ₩
CW.037.010	Ladle, PTFE, 10㎖	58,180



Cowie® PTFE Dipper, with a Screw in PTFE Encapsulated Steel Shaft(60cm), 100~1,000㎖

Ideal for Sampling the Most Aggressive Media, −200℃+280℃ Stable, <UK-Made> PTFE 디퍼

* Totally Chemically Inert with Super Smooth Finished
* Ideal for Sampling the Most Aggressive Media
* Basic Container with a Screw in PTFE Encapsulated Steel Shaft.
* Shafts have a Steel Core, Fully Encapsulated in PTFE, for Rigidity
* Additional Shafts can be Purchased Separately to Increase Length, Shaft Length 600mm

〈L1〉

Cat. No		Ea. Price, ₩
CW.036.100	(1) Dipper, PTFE, 60cm Handle Shaft, 100㎖ , Φ54mm	170,240
CW.036.250	, 250㎖ , Φ66mm	207,240
CW.036.500	, 500㎖ , Φ80mm	238,640
CW.036.1000	, 1,000㎖, Φ100mm	271,990
CW.036.001	(2) Additional Extension Shaft / Handle, PTFE Handle, Length 60cm, for Extension	114,030

Articles	Cat. No	Description



Dip Sampler

Burkle® PP Dip Sampler, Transparent, Φ22mm, Extendable Up-to 200cm

Ideal for Liquid, All Layer and Point Sampling Possible, <Germany-Made> PP **액상시료 샘플러**

■ ***Plunging Siphon***

∗ Dip Sampler for Simple Removal of Liquid Samples ∗ Good View Due to Transparent Tubes
∗ Upper end with Reflux Valve, Lower end with Ball Valve ∗ Polypropylene(PP) : -10℃+125/140℃

▸ **PP, Transparent** ▸ **All-layer and Point Sampling Possible**
▸ **Suitable for Use with Foodstuffs**
▸ **Dip Sampler, BK.5315.0200, Steplessly Extendable from 100cm to 200cm**

※ **Use :**

All-layer sample

1. Insert the Dip Sampler Slowly into the Liquid with the Valve Open
2. Close Valve
3. Pull the Dip Sampler Back and Take out the Sample

Point Sampling/Soil Sample

1. Insert the Dip Sampler to the Targeted Point/to the Ground with Closed Valve
2. Open the Valve the Liquid Flows in 3. Close the Valve
4. Pull out the Dip Sampler, Take out the Sample

〈L1〉

		Ea.	Price, ₩	Cs.	Price, ₩
BK.5315.0050	Dip Sampler, PP, Φ22mm, L50cm		123,200	5ea	
BK.5315.0200	, L100~200cm, Extendable		158,730	5ea	



Plunging Dip Sampler

Burkle® PE Disposable Plunging Siphon Sampler, Φ28mm, Length 47 & 110cm

Ideal for use with Foodstuffs, Assembled type, Transparent, **일회용 액상시료 샘플러**

■ ***Supplied by Burkle® in Germany*** ■ ***Disposable Plunging Siphon***
■ ***PE, Transparent*** ■ ***Contents are Easily Visible***

∗ PE Provides a Surface that Resists Adhesion of the Sample Material, Minimizing Sample Retention on the Dip Sampler

▸ **Suitable for use with Foodstuffs**

※ **Use :**

1. Insert the Sampler into the Liquid and Fill It
2. Close the Thumb Hole Above the Handle Using your Thumb
3. Take out the Dip Sampler and Empty the Liquid into the Sample Bottle

〈L1〉

		Ea.	Price, ₩	Cs.	Price, ₩
BK.5387.0050	Plunging Siphon Sampler, PE, Φ28mm, 112㎖, L47cm		27,030	12ea	
BK.5387.0100	, 380㎖, L110cm		70,200	12ea	



(1) for Liquids



(2) for Highly Viscous Media



(3) for Pourable Bulk

Burkle® HDPE Disposable Sampler, Ecologically Friendly Materials, Φ21mm

Made of recyclable PE or PP, 5~200㎖, L500 & 1000mm, **일회용 액상 샘플러**

■ ***Made in Germany***
■ ***Collect Samples - instead of Complicated Cleaning !***

∗ Collect Samples - Instead of Complicated Cleaning ! ∗ Disposable Product - Unpack, take Sample, Recycle !
∗ No Contamination with other Samples, No Complicated, Time-consuming, Expensive Cleaning.
∗ Disposable Samplers are Produced under Clean-room Conditions, they are Dustfree and Individually Packed in Film.
∗ Made of Environmentally Friendly, Recyclable PE or PP. ∗ Optionally Available as Sterilized with Gamma Rays.
∗ -50℃+105℃ Stable

〈L1〉

(1) Disposable Sampler, for Liquids of Low Viscosity Up to 10,000 cP.

		Ea.	Price, ₩	Cs.	Price, ₩
BK.5393.1120	HDPE Disposable Sampler, for liquid, 100㎖, L500mm		18,320	20ea	338,970
BK.5393.1130	, 200㎖, L1000mm		22,470	20ea	415,830

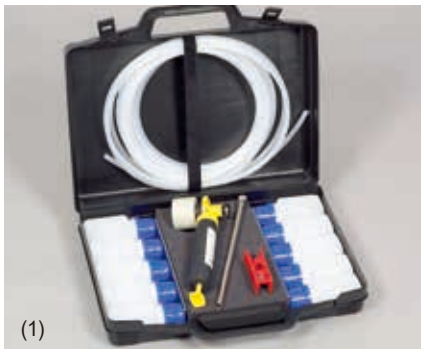
(2) Disposable Sampler, for Highly Viscous Media Up to 100,000 cP.

		Ea.	Price, ₩	Cs.	Price, ₩
BK.5393.3320	HDPE Disposable Sampler, for Viscous Media, 100㎖, L500mm		18,320	20ea	338,970
BK.5393.3330	, 200㎖, L1000mm		22,470	20ea	415,830

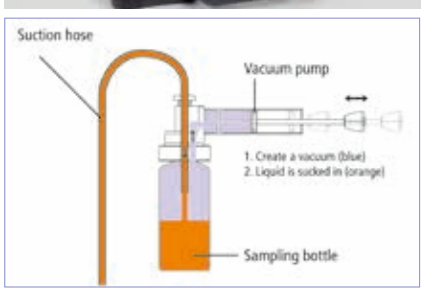
(3) Disposable Sampler, for Pourable Bulk Goods Up to 0.5 mm Particle Size.

		Ea.	Price, ₩	Cs.	Price, ₩
BK.5393.2220	HDPE Disposable Sampler, for Pourable Bulk, 5㎖ , L500mm		20,980	20ea	388,430
BK.5393.2250	, 10㎖, L1000mm		24,970	20ea	461,880

※ The Price(VAT is extra) for Korean End-user, and Changeable.


(1)


(2)



Burkle® PE & PTFE Liquid Sampler Set, 5m Suction Height, with Vacuum Pump With Handy Transport Case, for General Sampling, 100/180㎖, 액상 샘플러 세트

■ ***Supplied by Burkle® in Germany*** ■ ***Taking Samples - Comfortable, Quick and Clean Sampling***

∗ With the Vacuum Sampler Mini Sampler, the Sample Liquid Only Comes into Contact with the Suction Hose and the Original Sample Bottle.
∗ The Possibility of Cross-contamination is Greatly Reduced.
∗ Immediately after Taking the Sample, the Bottles are Sealed.
∗ The Disposable Suction Hose can Quickly be Replaced. This Quarantees that the Samples are Never Contaminated.
∗ If Necessary, a New Hose can be Used for Every Single Sample.
∗ Due to its Small Diameter (8 mm), the Hose can Reach Narrow, Seemingly Inaccessible Sampling Areas.

▸ **Also Suitable for Viscous Oils** ▸ **Complete in a Handy Transport Case**

Two models : PE Sampler for General Sampling, Max. Suction Height 5 m*
PTFE Sampler for Ultra-pure Sampling, Max. Suction Height 5 m*
*** Depending on the Medium**

※ Use :
1. Insert the Hose and the Bottle into the Pump. 2. Insert Hose end to Desired Sample Depth.
3. Move the Pump Piston Back and Forth and Collect the Sample. The Liquid Flows Directly into the Bottle.
4. Take off the Filled Bottle, Close and Label it.

(1) PE Sampler for General Sampling

∗ Sampler PE Complete with Accessories in Transport Case, Contents :
Vacuum Pump, 10 PE Bottles, 100㎖, 10m PE Suction Hose 6×8 mm, 1 Hose Cutter, 1 Stainless-steel, Hose Weight Made of V2A (1.4301), 20 Seal-it Bottle Seals.

〈L1〉

		Set.	Price, ₩
BK.5305.0100	PE Mini Sampler Set		521,420

(2) PTFE Sampler for Chemical & Ultrapure Sampling

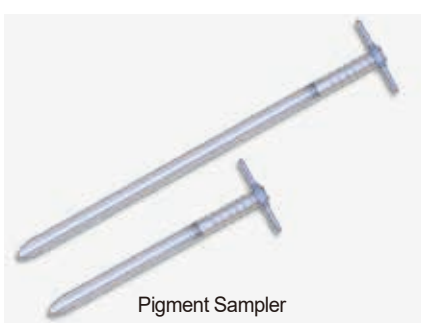
∗ Sampler PTFE Complete with Accessories in its Transport Case, Contents :
Vacuum Pump, 1 Sample Bottle PFA 180㎖, 5m PTFE Suction Hose 6×8 mm, 1 Hose Cutter, 1 Stainless-steel Hose Weight Made of V2A(1.4301), 20 Seal-it Bottle Seals.

		Set.	Price, ₩
BK.5305.0110	PTFE Mini Sampler Set		910,600

Optional Accessory

		Ea.	Price, ₩
BK.5305.0010	PE Sampler Pump, with Adapter		225,800
BK.5305.0209	Sampler Adapter for Glass Thread GL45		400,870
BK.5305.1020	Sampler Adapter PTFE Thread		301,840
BK.0340.0500	HDPE Sampling Bottle, 500㎖		8,020
BK.6205.0090	PFA Bottle for PTFE Sampler, 90㎖		143,880
BK.6205.0180	, 180㎖		252,820

, Powder & Grains 분말 샘플러


Pigment Sampler

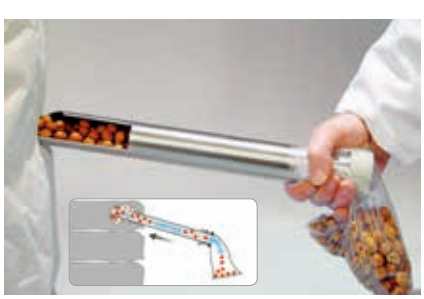
Burkle® Stainless-steel Pigment Lance Sampler, Φ30mm, 145 & 179㎖ With Flute Opening 25% & 50%, for Pigments, Pastes, Agglomerating Bulk Goods, 안료/도료 샘플러

■ ***Germany-made, V4A High-quality Stainless-steel AISI 316L***
▸ **With Half-open(50%) Flute, for Heavily Sticking Products** ▸ **Φ30mm**
▸ **With Quarter-open(25%) Flute, for Lightly Sticking Products**

※ Use :
1. Insert the Lance to the Required Depth 2. Turn the Handle, the Sample is Collected into the Open Flute
3. Pull Back the Lance 4. Take out the Sample

〈L1〉

		Ea.	Price, ₩
BK.5369.0300	Pigment, Lance Sampler, V4A Stainless-steel, Flute Open. 25%, 145㎖, L 30cm		564,270
BK.5369.0610	. 50%, 179㎖, L 60cm		882,990


Tubes Sampler

Burkle® Stainless-steel Tube Sampler, for Grains & Seeds, Φ40mm, L400mm Ideal for Pourable Bulk Goods Sampling Up-to Φ1cm, 튜브형 샘플러, 종자/곡물용

■ ***Made in Germany*** ■ ***V4A High-quality Stainless-steel AISI 316L***
■ ***Corresponds to ISTA Standard For Seed Lengths of 10mm(wheat, Oats) and 5mm(Flax, Vetches)***

∗ Sampler for Pourable Bulk Good up to Approx. 1cm in Diameter
∗ This makes it Possible, for Example, to Remove Hazel Nuts, Blends of Tea, Grain or Similar Items from Large Sacks

▸ **Also for Coarse-grained Bulk Goods** ▸ **Special Geometry of the Tip**

∗ Use :
1. Insert Tubes into a Sack to the Desired Sampling Depth, while Keeping the Collection Tube Closed Using Your Hand
2. When you Remove your Hand, the Sample Flows Directly through the Open Tube into the Container or Sampling Bag Beneath it

〈L1〉

V4A Stainless-steel Tubes Sampler

		Ea.	Price, ₩	Cs.	Price, ₩
BK.5382.0040	Tube Sampler, V4A Stainless-steel, Φ40mm, L400mm	336,340		10ea	



Milk Lance Sampler

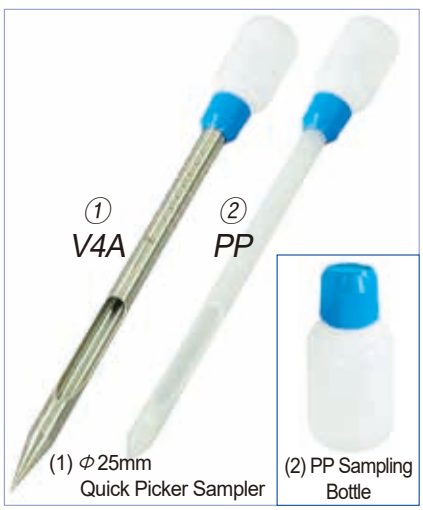
Burkle® Stainless-steel Milk Lance Sampler, 150㎖, Φ28mm, L480mm
For Powder, DIN & IDF Standard, <Germany-Made> 밀크 파우더 샘플러

■ ***Developed Initially for Milk Powder Samples***
■ ***Conforms to Standards of DIN and IDF***
∗ The Collector is Inserted into Bags or Casks and the Sample is Re-moved Using a Semi-circular Profile Lance
▸ **V4A Hiquality Stainless-steel** ▸ **Insertion Depth 385mm**
▸ **Outer Diameter Approx. 28mm** ▸ **Total Length 480mm**

〈L1〉

V4A Stainless-steel Milky Lance Sampler

		Ea. Price, ₩	Cs. Price, ₩
BK.5321.0300	Milky Lance Sampler, V4A Stainless-steel, 150㎖, Φ28mm, L480mm	486,640	5ea



(1) Φ25mm Quick Picker Sampler

(2) PP Sampling Bottle



Stainless-steel or Polypropylene Sampler

Burkle® Quick Picker Sampler Set, for Powder/Granular, Stainless-steel & PP, Φ25, 75㎖, L50cm
With 2×PE 250㎖ Bottles & 1×Cleaning Brush, <Germany-Made> 샘플량 조절형 샘플러 세트

■ ***Collects Samples Quickly and Channels Them Directly into The Sampling Bottle***
∗ Quick Picker is Delivered Complete with two 250㎖ PE Sample Bottles and with a Cleaning Brush
∗ Quick Picker is Uncomplicated in Its Use and Cleaning ∗ Ideal for Quality Control
∗ No Undercuts or Edges Mean no Sample Residues which could Falsify Subsequent Samples
▸ **Insertion Depth 30cm, Diameter 25mm**
▸ **Removable Tip, Easy Cleaning**
▸ **Made of V4A, High-quality Stainless-steel Approved for Use with Foodstuffs or PP Transparent for Aggressive Chemicals, Scratchproof, Sterilisable, Cost-effective**
▸ **Additional Sampling Bottle made of PP Available as Accessory.**
▸ **Corresponds to ISTN**

〈L1〉

(1) 75㎖ Stainless-steel & Polypropylene Sampler

		Ea. Price, ₩	Cs. Price, ₩
BK.5322.1300	① **Quick Picker Sampler, V4A Stainless-steel**, 75㎖, L50cm	620,440	5ea
BK.5322.0300	② **, PP Transparent**, 75㎖, L50cm	390,320	5ea

(2) Optional PP Sampling Bottle 250㎖

		Ea. Price, ₩
BK.0319.0250	Optional Sampling Bottle, PP, 250㎖	6,100

(3) Transport Case for Sampler

		Ea. Price, ₩
BK.3600.3000	Transport Case, for Quick picker Sampler	83,330



SS Soil Sampler

Burkle® Stainless-steel Soil Sampler, Good for Light Soil · Meadows · Lawns
With Foot Bar, Overall L600 & L810mm, Chamber L300mm, <Germany-Made> 토양 채취용샘플러

■ ***Soil Sampling***
∗ The Foot Bar of Model BK.5350.5006 makes Work Much Easier.
∗ Sampler for Light Soils, Meadows and Lawns.

〈L1〉

(1) With Foot-Bar, Overall L81cm, Chamber L30cm

		Ea. Price, ₩
BK.5350.5006	SS Soil Sampler, with Foot Bar, Φ14 / 20mm(id / od), Total L810mm, 1500g	427,070

(2) Plain-type, Overall L60cm, Chamber L30cm

		Ea. Price, ₩
BK.5350.5003	SS Soil Sampler, without Foot Bar, Φ12.6 / 17.2mm(id / od), Total L600mm, 550g	334,130

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description

(1)


(2)


NEOGEN® Pipette Swab-Sampler, Ideal for Microbial Sample Collection, Cotton Tip, L114mm
Convenient Use with, All In One Swab, 피펫스왑 샘플러, 작업장 표면 검사용

■ *식품위생 검사 및 미생물 검사를 위한 환경 샘플링용 스왑*
■ *샘플링, 희석, 분주가 한번에 가능 : 면봉 샘플 채취도구와 1㎖ 용량의 디스펜서가 합쳐짐*
■ *Two Type of Broth- BPW (Buffered Peptone Water) & Saline (0.85% NaCl)*
■ *Sample Collection& Dispensing with this All In One Swab*
■ *Accurate Pipette Injecting 1㎖ with Silicone Pump* ■ *Certified ISO 9001:2008 for Quality Assurance*

∗ Swab Sampling Tool and 1㎖ Dispenser ∗ Quick Inoculation by Press the Pump ∗ Prevent the Cross Contamination
∗ Easy to Open and Close the Cap ∗ Consistent and Reliable Test Results

〈L4〉

		Pk.	Price, ₩	Cs.	Price, ₩
3M.01.2001	(1) Pipette Swab-Sampler, BPW, Cotton Tip : Φ5×L10mm, Total L114mm	10ea	19,540	40pk	781,250
3M.01.2002	(2) , Saline, Cotton Tip : Φ5×L10mm, Total L114mm	10ea	19,540	40pk	781,250



NEOGEN® Saline Diluent, Sample Collection & Preparation, Lab Use Only
Leak Resistant, 멸균 생리식염수 희석액, 검체 전처리 & 희석용

■ *9㎖ 정량 용액 및 증발량 최소화하여 정확한 실험 가능 ; 감마 멸균 처리, 누수 방지 기능*
■ *Certified ISO 9001:2158 for Quality Assurance*

∗ High Quality & Leak Resistant ∗ Hinged Lid Stays Open for Easy Sample Addition
∗ Easy to Open Flip Top Lids ∗ The Convenient Hinged Lid Stays Open for Easy Sample Addition
∗ Ready for Use with No Additional Blending Required ∗ Reduces Errors in Mixing and Preparing Dilutions
∗ Cost-Effective Alternative to making and Sterilizing Medea
∗ Generous Headspace and Bottle Opening size make Sample Addition Easy

〈L4〉

		Pk.	Price, ₩	Cs.	Price, ₩
3M.01.3001	Diluent, Saline (0.85% NaCl), 9㎖	40ea	15,630	10pk	

(1)


(2)


(3)


(4)


(5)


NEOGEN® Petrifilm®, Accurate, Easy-to-Use, Save Time to Improve Efficiency
For Aerobic · Yeast · Mold · Coliform · Staph Express · E.coil · Coliform Count Plate, 건조필름배지

■ *Accurate results in three easy steps : inoculate, incubate and count*
■ *Improved efficiency* ■ *Reduced labor costs* ■ *Standardization of methodology*
■ *Increased productivity and reliability* ■ *Consistent and Reliable Test Results*
■ *Eliminates the need for Agar Preparation* ■ *Reduces Incubator Space and Waste*

∗ Harmful Organism Management / Control ∗ Long Shelf Life
∗ Ideal for Microorganism(Raw Material, Environmental Hygiene, Falling Bacteria)

NEOGEN® Petrifilm® Plates: time-saving, sample-ready plates uniquely designed to offer you increased productivity, reliability and a reduction in operational costs versus traditional methods of bacteria testing.

(1) NEOGEN® Petrifilm® Aerobic Count Plates
∗ Proper Counting Range : 25~250 ∗ Culturing Temperature : 35℃±1℃
∗ Culturing Time : 48±3 hours ∗ Expiration Date : 18 month
NEOGEN® Petrifilm® Aerobic Count Plates (U.S. AOAC®) are sample-ready to use and help determine aerobic bacteria populations in testing processes. The indicator dye and built in grid allows for fast accurate identification of colonies, within 48 hours.

(2) NEOGEN® Petrifilm® Yeast and Mold Count Plates
∗ Proper Counting Range : 15~150 ∗ Culturing Temperature : 20℃~25℃
∗ Culturing Time : 3~5 days ∗ Expiration Date : 18 month
The NEOGEN® Petrifilm® Yeast and Mold Count Plate can differentiate and enumerate yeast and mold in 3-5 days.

(3) NEOGEN® Petrifilm® Coliform Count Plates
∗ Proper Counting Range : 15~150 ∗ Culturing Temperature : 35℃±1℃
∗ Culturing Time : 24±2 hours ∗ Expiration Date : 18 month
In as few as 22 hours, the NEOGEN® Petrifilm® Coliform Count Plate identifies coliform levels in raw materials, in-process/finished product, and plant environment/equipment.

(4) NEOGEN® Petrifilm® Staph Express Count Plates
∗ Proper Counting Range : 15~150 ∗ Culturing Temperature : 35℃ or 37℃±1℃
∗ Culturing Time : 24±2 hours ∗ Expiration Date : 18 month
The NEOGEN® Petrifilm® Staph Express Count Plate provides confirmed Staphylococcus aureus results in as few as 22 hours

(5) NEOGEN® Petrifilm® E.coli/Coliform Count Plates
∗ Proper Counting Range : 15~150 ∗ Culturing Temperature : 35℃±1℃
∗ Culturing Time : 24 or 48±2 hours ∗ Expiration Date : 18 month
The NEOGEN® Petrifilm® E.coli/Coliform Count Plate identifies both E. coli and other coliforms with confirmed results in just 24-48 hours.

〈L4〉

		Pk.	Price,₩	Cs.	Price, ₩
3M.01.1001	(1) Petrifilm, Aerobic Count Plate	50ea	60,940	20pk	
3M.01.1002	(2) , Yeast and Mold Count Plate	50ea	84,380	20pk	
3M.01.1003	(3) , Coliform Count Plate	25ea	35,940	40pk	
3M.01.1004	(4) , Staph Express Count Plate	25ea	92,190	20pk	
3M.01.1005	(5) , E.coli/Coliform Count Plate	25ea	50,000	20pk	

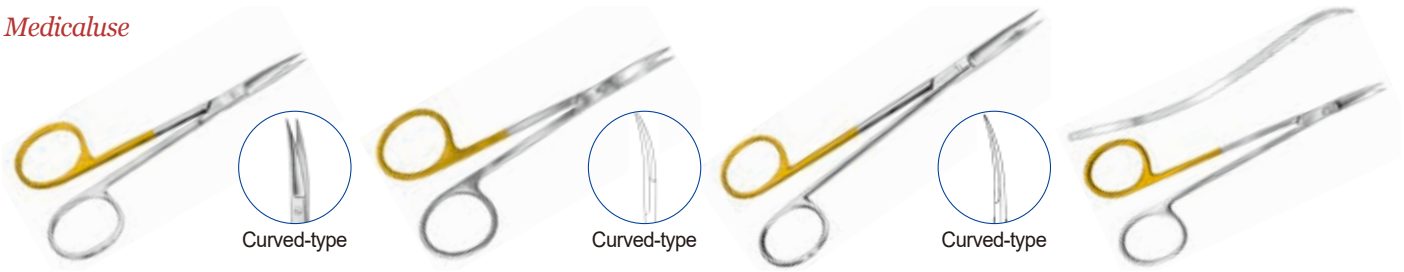
Articles	Cat. No	Description

※ Hammacher® Premium Maintenance Service for Diamond Coating, Sharpening, Refinishing &c.
⇒ See the "Forceps" Section.

Hammacher® Premium *OP-Special* Micro Super Cut Scissors, for All Surgical Uses, L105~140mm, *Medicaluse*

With Extra-sharp Tips · One Grip Ring Golden, Stainless-steel 420, <Germany-Made> 프리미엄 마이크로 슈퍼 컷 수술 가위, 독일제 의료용, 비부식

Medicaluse



(1) Standard Straight-type (2) w/Big Grip Rings Straight-type (3) Joseph Straight-type (4) La Grange S Curved-type

- ***Germany-made 프리미엄급; 비부식, 고강도, 고경도, 내약품성***
- ***인체 조직의 절단 및 절개 등에 사용***
- ***절삭력을 높이기 위해 날 부분이 미세한 톱니 형태 (Super-cut)로 되어있고, 인체 조직을 섬세하고 부드럽게 자를 수 있어 통증을 줄임***
- ***Surgical Stainless-steel 420: Rust-proof, High-Strength/Hardness, Chemical Resistance***
- ***OP-SPECIAL Micro Super Cut Scissors ; Microsection – Super Cut – Extra Sharp – for all Surgical uses in Hospital and Private Practice***

<M1>

(1) Standard Scissors, L105mm ＊Ideal for Gum Surgery

		Ea. Price,₩
HA.HSB390.10	Scissors, Standard, Straight, 105mm	69,380
HA.HSB391.10	, Curved, 105mm	71,550

(2) Big Grip Rings Scissors, L115mm

		Ea. Price,₩
HA.HSB0140.11	Scissors, w/Big Grip Rings, Straight, 115mm	81,490
HA.HSB0141.11	, Curved, 115mm	83,640

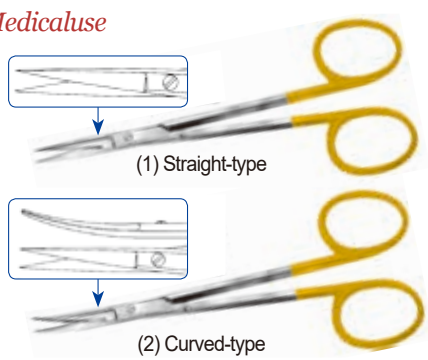
(3) Joseph Scissors, L140mm

		Ea. Price,₩
HA.HSB400.14	Scissors, Joseph, Straight, 140mm	79,130
HA.HSB401.14	, Curved, 140mm	82,190

(4) La Grange Scissors, S-Curved type, L115mm

		Ea. Price,₩
HA.HSB392.11	Scissors, La Grange, Straight, 115mm	108,020

Medicaluse



Hammacher® Premium TC Micro Operating Scissors, L115mm, *Medicaluse*

With Sharp-Sharp Tip, SuperCut, Gold-plated Handle, <Germany-Made> 프리미엄 미세 수술용 TC 가위

- ***Germany-made 프리미엄급, 인체조직의 절단 및 절개 등에 사용***
- ***날 부분에 텅스텐 카바이드 (TC, Tungsten-Carbide)를 삽입시켜 스텐레스 재질보다 내구성이 뛰어나며 컷팅날의 절삭력이 오래 지속됨***
- ***with TC(Tungsten-Carbide) Inserts in the Blade, Uniform Long Lasting Cut***
- ***The Scissors are deliverable also with "MICRO-TOOTHING", i. e. Handy Cutting, No Slipping Off***

＊TC Scissors are more Durable, Hold an Edge Longer and Last Longer than Steel Scissors.
＊Ideal for Gum Surgery

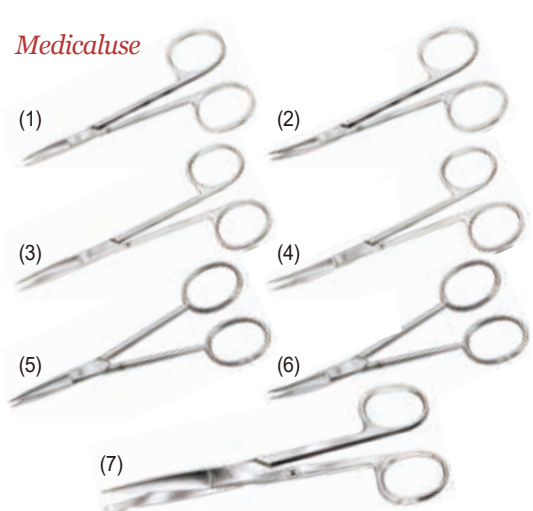
<M1>

		Ea. Price, ₩
HA.HSB300.11	Scissors, TC, Straight, Sharp-Sharp Tip, 115mm	122,820
HA.HSB301.11	, Curved, Sharp-Sharp Tip, 115mm	132,940

Hammacher® Premium Microscopic Operating Scissors, L90~145mm, *Medicaluse*

With Sharp-Sharp & Probe Pointed Tip, Very Delicate, Stainless-steel 420, <Germany-Made> 프리미엄 정밀 미세 수술용 가위, 독일제 의료용, 비부식

Medicaluse



- ***Germany-made 프리미엄급; 비부식, 고강도, 고경도, 내약품성***
- ***인체조직의 절단 및 절개 등에 사용***
- ***Surgical Stainless-steel 420: Rust-proof, High-Strength/Hardness, Chemical Resistance***
- ***The Scissors are deliverable also with "MICRO-TOOTHING", i.e. Handy Cutting, No Slipping Off.***

<M1>

		Ea. Price, ₩
HA.HSB002.09	(1) Operating Scissors, Angular Handle, Straight, L90mm New	39,420
HA.HSB010.10	, L105mm New	45,900
HA.HSB012.11	, L115mm	60,700
HA.HSB003.09	(2) Operating Scissors, Angular Handle, Curved, L90mm New	42,530
HA.HSB011.10	, L105mm	47,880
HA.HSB013.11	, L115mm	62,140
HA.HSB014.11	(3) Operating Scissors, Round Handle, Straight, L115mm	61,620
HA.HSB015.11	(4) , Curved, L115mm	63,240
HA.HSB006.10	(5) Operating Scissors, Delicate, Straight, L110mm	66,850
HA.HSB007.10	(6) , Curved, L110mm	70,440
HA.HSB138.14	(7) Incision Scissors, Probe Pointed Tip, Straight, L145mm	66,990

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Medicaluse



Operating *Iris* Eye Scissors, Stainless-steel 420, L110mm, *Medicaluse*

With Sharp-Sharp Tip, Very Delicate, **수술용 *아이리스* 가위, 의료용, 비부식**

- ***Surgical Stainless-steel 420 : 비부식, 고강도, 고경도, 내약품성***
- ***아주 작은 조직을 섬세하게 잘라낼 때 사용하며 가장 보편적으로 안과에서 사용하나 정교함이 요구되는 성형외과, 피부과에서도 사용***
- ***Surgical Stainless-steel 420 : Rust-proof, High-strength / Hardness, Chemical Resistance***

<M1>

∗ Used in Ophthalmic Surgery

		Ea. Price, ₩
DM.Sci7005	Scissors, Stainless-steel, Iris, Straight, L110mm	5,540

Medicaluse



Operating *Stevens* Tenotomy Scissors, Stainless-steel 420, L115mm, *Medicaluse*

With Tapered Sharp-Sharp Tip, Curved-ended, **수술용 *스티븐스* 테노토미 가위, 의료용, 비부식**

- ***Surgical Stainless-steel 420 : 비부식, 고강도, 고경도, 내약품성***
- ***안과, 성형외과, 신경외과 수술 등 매우 정교한 수술에 사용***
- ***Surgical Stainless-steel 420 : Rust-proof, High-strength / Hardness, Chemical Resistance***

∗ Used in Plastic Surgery and Hand Surgery for Cutting with Extreme Precision in Small Incisions

<M1>

		Ea. Price, ₩
DM.Sci7008	Scissors, Stainless-steel, Steven, Curved-ended, L115mm	8,540

Hammacher® Premium Operating *Kelly* & *La Grange* Scissors, L115 & 160mm, *Medicaluse*

With Sharp-Sharp Tip, for Cutting Tissue · Sutures, Stainless-steel 420, <Germany-Made> **프리미엄 수술용 *켈리* & *라그랜지* 가위, 독일제 의료용, 비부식**

Medicaluse



(1) Kelly Scissors



(2) La Grange Scissors

- ***Germany-made 프리미엄급; 비부식, 고강도, 고경도, 내약품성***
- ***인체조직의 절단 및 절개 등에 사용***
- ***Surgical Stainless-steel 420: Rust-proof, High-Strength/Hardness, Chemical Resistance***
- ***The Scissors are deliverable also with "MICRO-TOOTHING", i.e. Handy Cutting, No Slipping Off.***

<M1>

(1) Operating Kelly Scissors, Standard-/Sawedge-type, L160mm

		Ea. Price, ₩
HA.HSB030.16	Scissors, Stainless-steel, Kelly, Straight, L160mm	60,890
HA.HSB032.16	, w/Sawedge, L160mm	65,040

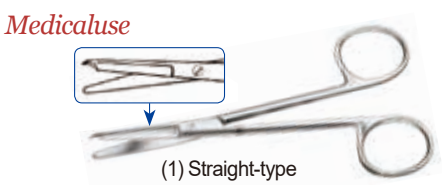
(2) Operating La Grange Scissors, S Curved-type, L115mm

		Ea. Price, ₩
HA.HSB047.11	Scissors, Stainless-steel, La Grange, S Curved, L115mm	91,630

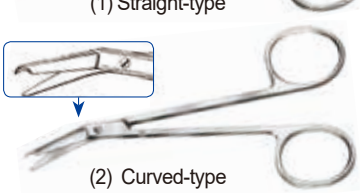
Hammacher® Premium *Suture* & *Ligature Spencer* Scissors, with Suture Hook, L90 & 115mm, *Medicaluse*

Used for Suture Removal, Stainless-steel 420, <Germany-Made> **프리미엄 *수처* & *리게처 스펜서* 가위, 봉합 및 지혈용, 독일제 의료용, 비부식**

Medicaluse



(1) Straight-type



(2) Curved-type

- ***Germany-made 프리미엄급; 비부식, 고강도, 고경도, 내약품성***
- ***인체조직의 절단, 절개 및 실을 자를 때 사용*** ■ ***갈고리 모양의 한쪽날을 봉합시 아래로 밀어 넣고 들어올려 실을 컷팅***
- ***Surgical Stainless-steel 420: Rust-proof, High-Strength/Hardness, Chemical Resistance***
- ***The Scissors are deliverable also with "MICRO-TOOTHING", i.e. Handy Cutting, No Slipping Off.***

∗ Suture Hook Shaped Tip on One Blade that Slides under Sutures to Slightly Lift them before Cutting for Removal

<M1>

		Ea. Price, ₩
HA.HSB284.09	(1) Scissors, Stainless-steel, Spencer, Straight, L90mm	64,690
HA.HSB286.12	(1) , L115mm	66,680
HA.HSB287.11	(2) , Curved, L115mm	73,730

Hammacher® Premium Micro-Serration Foil Scissors, L115mm, *Medicaluse*

With Sharp-Sharp Tip, Stainless-steel 420, <Germany-Made> **프리미엄 미세 서레이션 호일 가위, 독일제 의료용, 비부식**

Medicaluse



Micro-Serration Foil Scissors

- ***Germany-made 프리미엄급, 극도로 부드러운 재질(ex.호일)을 자를 때 사용하는 스텐 가위***

∗ Used to Precisely cut Excess Material from Soft Forming's.

∗ Micro Serration Prevents Slipping

<M1>

		Ea. Price, ₩
HA.HSB018.11	Foil Scissors, Stainless-steel, Straight, L115mm	61,090

Articles	Cat. No	Description

Hammacher® Premium Dental Crown Scissors, L100 & 120mm, *Medicaluse*

For Cutting Dental Dam · Wire · Crown · Plate, Stainless-steel 420, <Germany-Made> 프리미엄 크라운 가위, 독일제 의료용, 비부식



(1) Beebee, Straight-type (2) Beebee, Curved-type (3) Special, Curved-type (4) Universal, Curved-type

■ *Germany-made 프리미엄급; 비부식, 고강도, 고경도, 내약품성* ■ *Crown 또는 Gold Metal 등을 자르거나 다듬을 때 사용*
■ *Surgical Stainless-steel 420: Rust-proof, High-Strength/Hardness, Chemical Resistance*

<M1>

		Ea. Price, ₩
HA.HSB648.10	(1) Crown Scissors, Stainless-steel, Beebee, Straight, L100mm *New*	43,380
HA.HSB649.10	(2) , Curved, L100mm *New*	44,820
HA.HSB653.10	(3) , Special, Curved, Sharp Tip, L100mm	64,850
HA.HSB659.12	(4) , Universal, Curved, Saw Edge Tip, L120mm	72,080

Hammacher® Premium Curved Foil/Splint Scissors, L105mm, *Medicaluse*

For All types of Foil & Align Splints, with Mico-Saw edge, Stainless-steel 410, <Germany-Made> 프리미엄 호일 겸 부목 가위, 독일제 의료용, 비부식

Medicaluse



■ *Germany-made 프리미엄급; 비부식, 고강도, 고경도, 내약품성*
■ *극도로 부드러운 재질 (Ex. 호일) 이나 부목을 자를 때 적합*
■ *Stainless-steel 410 : Rust-proof, High-Strength/Hardness, Chemical Resistance*

<M1>

		Ea. Price, ₩
HA.HSB630.10	Foil / Splint Scissors, Stainless-steel, L105mm	63,240

Hammacher® Premium Micro Tissue Scissors, with Spring Action Handle, L90 & 105mm, *Medicaluse*

Extremely Smooth Cutting of Tissue, Stainless-steel 420, <Germany-Made> 프리미엄 마이크로 티슈 가위, 독일제 의료용, 비부식



■ *Germany-made 프리미엄급; 비부식, 고강도, 고경도, 내약품성* ■ *조직의 절단, 절개 및 실을 자를 때 사용*
■ *Surgical Stainless-steel 420: Rust-proof, High-Strength/Hardness, Chemical Resistance*

<M1>

		Ea. Price, ₩
HA.HSB500.09	Micro Scissors, SS, Straight, L90mm, Cutting Blade-L10mm	320,380
HA.HSB504.10	, L105mm, Cutting Blade-L10mm	288,630

NEW *Medicaluse*



Operating *Mayo* Scissors, Stainless-steel 420, L145 & 230mm, *Medicaluse*

With Blunt-Blunt Tip, for Cutting · Dissecting Tough Tissue, 수술용 *메이요* 가위, 의료용, 비부식

■ *Surgical Stainless-steel 420 : 비부식, 고강도, 고경도, 내약품성*
■ *외과수술에서 일반적으로 많이 사용하며 근막이나 근육과 같은 두꺼운 조직의 절개 및 절제에 이용*
■ *Surgical Stainless-steel 420 : Rust-proof, High-strength / Hardness, Chemical Resistance*

∗ Ideal for Cutting and Dissecting Tough Tissues in Surgical Procedures

<M1>

		Ea. Price, ₩
DM.Sci7010	Scissors, Stainless-steel, Mayo, Straight, L145mm	16,550
DM.Sci7013	, L230mm	17,550

NEW *Medicaluse*



Operating *Metzenbaum* Scissors, Stainless-steel 420, L200mm, *Medicaluse*

With Rounded Blunt-Blunt Tip, for Fine Cutting · Dissecting Tissue, 수술용 *메첸바움* 가위, 의료용, 비부식

■ *Surgical Stainless-steel 420 : 비부식, 고강도, 고경도, 내약품성*
■ *가위 볼 표면이 둥글고 얇아 복막과 내부 장기와 같은 섬세한 조직의 절개에 사용하며, 조직 해부 시 가장 일반적으로 사용*
■ *Surgical Stainless-steel 420 : Rust-proof, High-strength / Hardness, Chemical Resistance*

∗ More Delicate than Mayo Scissors ∗ for Cutting Delicate Tissue and Blunt Dissection
∗ Used in Organ-related Operation

<M1>

		Ea. Price, ₩
DM.Sci7023	Scissors, Stainless-steel, Metzenbaum, Straight, L200mm	19,050

NEW *Medicaluse*



Operating *Dean* Tonsil Scissors, Stainless-steel 420, L180mm, *Medicaluse*

With Upward Angled Sharp Tip, S-curved Type, 수술용 *딘* 편도 가위, 봉합용, 의료용, 비부식

■ *Surgical Stainless-steel 420 : 비부식, 고강도, 고경도, 내약품성*
■ *수술 시 연한 조직을 잘라내고 다듬거나 봉합사를 절단하는 데 사용, 구강의 조직을 잡고 제거하는 데에도 사용*
■ *구강 뒤쪽에 있는 조직에 쉽게 접근할 수 있도록 위쪽으로 각진 블레이드 구조를 가짐*
■ *Surgical Stainless-steel 420 : Rust-proof, High-strength / Hardness, Chemical Resistance*

∗ Designed with an Upward Angled Tips which Allows Easy Access of Structures at the Back of the Oral Cavity ∗ Used for Trimming Tissue or Cutting Sutures

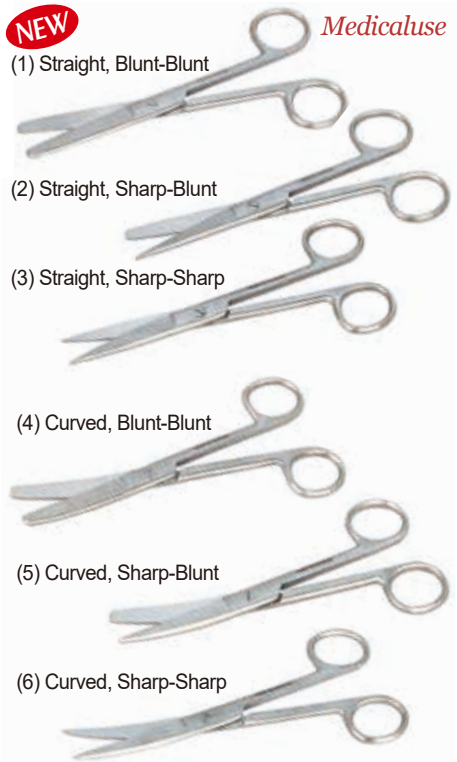
<M1>

		Ea. Price, ₩
DM.Sci7030	Scissors, Stainless-steel, Dean, S-Curved, L180mm	12,550

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description

NEW *Medicaluse*



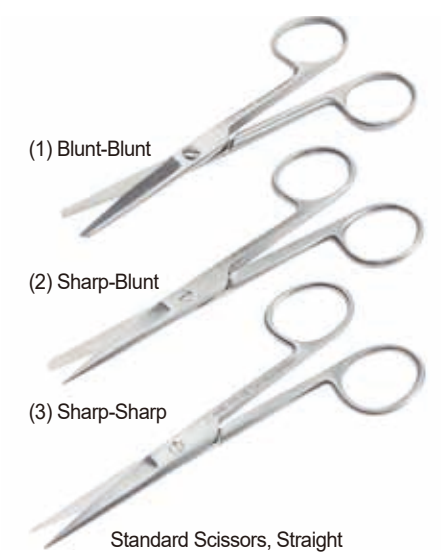
Operating Scissors, Stainless-steel 420, L130~175mm, *Medicaluse*

With 3-type Tips, Straight- & Curved-type, **수술용 외과가위, 의료용, 비부식**

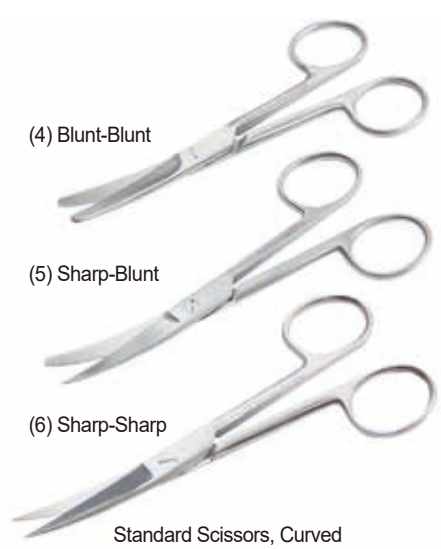
- ***Surgical Stainless-steel 420 : 비부식, 고강도, 고경도, 내약품성***
- ***진료 또는 수술 시 사용되는 기구로 3가지 타입의 팁 선택 가능***
- ***Surgical Stainless-steel 420 : Rust-proof, High-strength / Hardness, Chemical Resistance*** 〈M1〉

∗ Commonly Using for Surgical Instrument

		Ea. Price, ₩
DM.Sci7034	(1) Scissors, Stainless-steel, Straight, Blunt-Blunt, L130mm	5,350
DM.Sci7035	, L140mm	5,490
DM.Sci7036	, L150mm	5,590
DM.Sci7037	, L175mm	5,640
DM.Sci7041	(2) Scissors, Stainless-steel, Straight, Sharp-Blunt, L130mm	5,940
DM.Sci7042	, L140mm	6,100
DM.Sci7043	, L150mm	6,230
DM.Sci7044	, L175mm	6,390
DM.Sci7048	(3) Scissors, Stainless-steel, Straight, Sharp-Sharp, L130mm	6,700
DM.Sci7049	, L140mm	6,840
DM.Sci7050	, L150mm	6,980
DM.Sci7051	, L175mm	7,140
DM.Sci7055	(4) Scissors, Stainless-steel, Curved, Blunt-Blunt, L130mm	7,430
DM.Sci7056	, L140mm	7,590
DM.Sci7057	, L150mm	7,770
DM.Sci7058	, L175mm	7,900
DM.Sci7062	(5) Scissors, Stainless-steel, Curved, Sharp-Blunt, L130mm	8,180
DM.Sci7064	, L150mm	8,500
DM.Sci7065	, L175mm	8,640
DM.Sci7069	(6) Scissors, Stainless-steel, Curved, Sharp-Sharp, L130mm	8,950
DM.Sci7070	, L140mm	9,090
DM.Sci7071	, L150mm	9,240
DM.Sci7072	, L175mm	9,390



Standard Scissors, Straight



Standard Scissors, Curved

Hammacher® Premium Scissors, Rustproof Stainless-steel, L115~185mm

With 3-type Tips, Straight- & Curved-type, <Germany-Made> **프리미엄 연구용 가위, 독일제, 비부식**

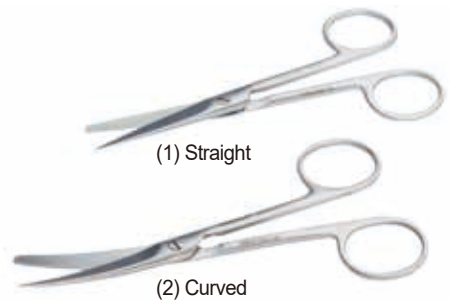
- ***Germany-made 프리미엄급; 비부식, 내산성 / 내약품성 / 내열성 우수***
- ***Rustproof Stainless-steel of 18/8 Cr-Ni; Rust-proof, Excellent Resistance to Acid / Chemicals / Heat***
- ***The Scissors are deliverable also with "MICRO-TOOTHING", i.e. Handy Cutting, No Slipping Off.*** 〈L1〉

		Ea. Price, ₩
HA.HSB070.11	(1) Scissors, Standard, Straight, Blunt-Blunt, L115mm	62,730
HA.HSB072.13	, L130mm	65,200
HA.HSB074.14	, L145mm	65,850
HA.HSB076.15	, L155mm	69,130
HA.HSB078.16	, L165mm	72,590
HA.HSB080.18	, L185mm	79,640
HA.HSB084.11	(2) Scissors, Standard, Straight, Sharp-Blunt, L115mm	61,740
HA.HSB086.13	, L130mm	62,730
HA.HSB088.14	, L145mm	65,200
HA.HSB090.15	, L155mm	69,130
HA.HSB092.16	, L165mm	72,590
HA.HSB094.18	, L185mm	75,380
HA.HSB098.11	(3) Scissors, Standard, Straight, Sharp-Sharp, L115mm	61,740
HA.HSB100.13	, L130mm	62,730
HA.HSB102.14	, L145mm	63,880
HA.HSB104.15	, L155mm	69,130
HA.HSB106.16	, L165mm	72,590
HA.HSB108.18	, L185mm	79,640
HA.HSB071.11	(4) Scissors, Standard, Curved, Blunt-Blunt, L115mm	64,690
HA.HSB073.13	, L130mm	67,170
HA.HSB075.14	, L145mm	68,640
HA.HSB077.15	, L155mm	73,080
HA.HSB079.16	, L165mm	75,870
HA.HSB081.18	, L185mm	83,080
HA.HSB085.11	(5) Scissors, Standard, Curved, Sharp-Blunt, L115mm	64,040
HA.HSB087.13	, L130mm	64,690
HA.HSB089.14	, L145mm	67,820
HA.HSB091.15	, L155mm	73,080
HA.HSB093.16	, L165mm	75,870
HA.HSB095.18	, L185mm	77,990
HA.HSB099.11	(6) Scissors, Standard, Curved, Sharp-Sharp, L115mm	64,040
HA.HSB101.13	, L130mm	64,690
HA.HSB103.14	, L145mm	66,340
HA.HSB105.15	, L155mm	73,080
HA.HSB107.16	, L165mm	75,870
HA.HSB109.18	, L185mm	80,950

Articles	Cat. No	Description

Hammacher® Premium Physiology Scissors, Wironit™ Special Non-magnetic/Rust-free Stainless-steel, L130~160mm

With Sharp-Blunt Tip, Highest Elasticity and Toughness, <Germany-Made> 프리미엄 생리학/해부학용 가위, 독일제, 비자성/비부식 특수스텐



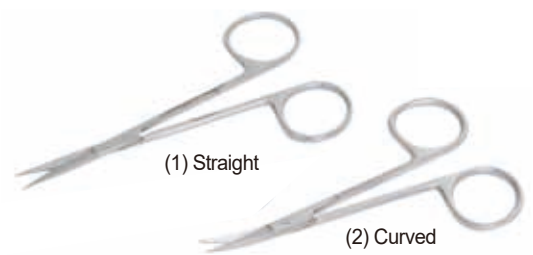
- *Germany-made 프리미엄급, Wironit™ 특수스텐(18/12 크롬·니켈) 제품; 비자성, 비부식, 내산성/내약품성/내열성 우수*
- *Wironit™ Special Stainless-steel of 18/12 Cr-Ni; Non-magnetic, Rust-free, Excellent Resistance to Acid / Chemicals / Heat*
- *The Scissors are deliverable also with "MICRO-TOOTHING", i.e. Handy Cutting, No Slipping Off.*

<L1>

		Ea.	Price, ₩
HA.HWB040.13	(1) Physiology Scissors, Straight, Sharp-Blunt, L130mm		85,550
HA.HWB042.14	, L145mm		90,150
HA.HWB044.16	, L160mm		91,790
HA.HWB041.13	(2) Physiology Scissors, Curved, Sharp-Blunt, L130mm		94,090
HA.HWB043.14	, L145mm		95,070
HA.HWB045.16	, L160mm		100,490

Hammacher® Premium Traditional Microscopic Scissors, Rustproof Stainless-steel, L90~130mm

With Sharp-Sharp Tip, Simple Type, <Germany-Made> 프리미엄 정밀 미세 가위, 독일제, 비부식



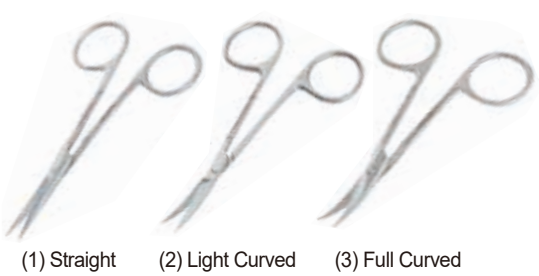
- *Germany-made 프리미엄급, 비부식스텐(18/8 크롬·니켈) 제품; 비부식, 내산성 / 내약품성 / 내열성 우수*
- *Rustproof Stainless-steel of 18/8 Cr-Ni; Rust-proof, Excellent Resistance to Acid / Chemicals / Heat*

<L1>

		Ea.	Price, ₩
HA.HSB942.09	(1) Microscopic Scissors, Straight, Sharp-Sharp, L90mm		12,820
HA.HSB942.11	, L115mm		13,320
HA.HSB942.13	, L130mm		15,940
HA.HSB943.09	(2) Microscopic Scissors, Curved, Sharp-Sharp, L90mm		14,790
HA.HSB943.11	, L115mm		15,120
HA.HSB943.13	, L130mm		16,280

Hammacher® Premium Micro Dissecting Scissors, Wironit™ Special Non-magnetic/Rust-free Stainless-steel, L110mm

With Sharp-Sharp Tip, Highest Elasticity and Toughness, <Germany-Made> 프리미엄 마이크로 해부용 가위, 독일제, 비자성/비부식 특수스텐



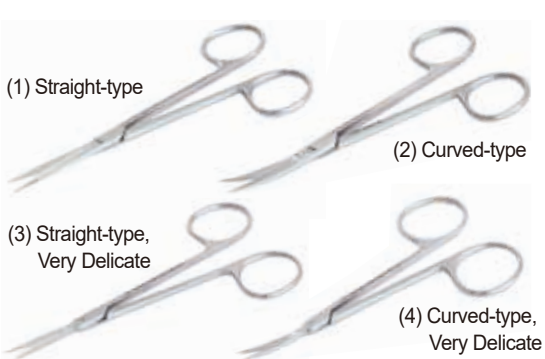
- *Germany-made 프리미엄급, Wironit™ 특수스텐(18/12 크롬·니켈) 제품 ; 비자성, 비부식, 내산성 / 내약품성 / 내열성 우수*
- *Wironit™ Special Stainless-steel of 18/12 Cr-Ni; Non-magnetic, Rust-free, Excellent Resistance to Acid / Chemicals / Heat*
- *The Scissors are deliverable also with "MICRO-TOOTHING", i.e. Handy Cutting, No Slipping Off.*

<L1>

		Ea.	Price, ₩
HA.HWB002.11	(1) Micro Dissecting Scissors, Straight, L110mm		83,420
HA.HWB003.11	(2) , Light Curved, L110mm		88,500
HA.HWB005.11	(3) , Full Curved, L110mm		94,090

Hammacher® Premium Dissecting Scissors, Rustproof Stainless-steel, L115 & 120mm

With Sharp-Sharp Tip, Very Delicate, <Germany-Made> 프리미엄 미세 해부용 가위, 독일제, 비부식



- *Germany-made 프리미엄급, 비부식스텐(18/8 크롬·니켈) 제품; 비부식, 내산성 / 내약품성 / 내열성 우수*
- *Rustproof Stainless-steel of 18/8 Cr-Ni; Rust-proof, Excellent Resistance to Acid / Chemicals / Heat*

<L1>

		Ea.	Price, ₩
HA.HSB022.12	(1) Dissecting Scissors, Straight, L120mm		63,880
HA.HSB023.12	(2) , Curved, L120mm		66,180
HA.HSB020.11	(3) Dissecting Scissors, Very Delicate, Straight, L115mm		86,850
HA.HSB021.11	(4) , Curved, L115mm		88,990

※ The Price(VAT is extra) for Korean End-user, and Changeable.


(1) Sharp-Round Tips


(2) Sharp-Sharp Tips


(3) Round-Round Tips


(4) **TITANIUM**, Sharp-Sharp Tips

Bochem® Dressing Scissors, Rustproof Stainless-steel & Titanium, L130~160mm
With 3-type Tips, Straight, Finished Surface, **연구용 가위**

■ ***Supplied by Bochem® in Germany***
* with (1) Sharp-Round, (2) Sharp-Sharp (3) Round-Round Tips, Straight
* Made of Stainless-steel 430, Finished Surface

〈L1〉

(1) with Sharp & Round Tip, Stainless-steel, L130~160mm

		Ea. Price, ₩
BC.4100	Scissors, Dressing, Sharp-Round Tip, SS, L130mm, Blade L40mm	13,500
BC.4101	, L145mm, Blade L45mm	14,900
BC.4102	, L160mm, Blade L50mm	15,750

(2) with Sharp & Sharp Tip, Stainless-steel, L130~160mm

		Ea. Price, ₩
BC.4103	Scissors, Dressing, Sharp-Sharp Tip, SS, L130mm, Blade L40mm	13,500
BC.4104	, L145mm, Blade L45mm	14,900
BC.4105	, L160mm, Blade L50mm	15,750

(3) with Round & Round Tip, Stainless-steel, L130~160mm

		Ea. Price, ₩
BC.4106	Scissors, Dressing, Round-Round Tip, SS, L130mm, Blade L40mm	13,500
BC.4107	, L145mm, Blade L45mm	14,900
BC.4108	, L160mm, Blade L50mm	15,750

(4) TITANIUM, with Sharp & Sharp Tip, L140mm, up to 1668℃

		Ea. Price, ₩
BC.4910	Scissors, Dressing, Sharp-Round Tip, SS, L140mm, Blade L45mm	306,800


with Plastic handle & Sharp-Round Tip

Bochem® General Purpose Laboratory Scissors, with Plastic Handle, L130~250mm
With Sharp-Round Tip, Stainless-steel 430, Finished Surface, Rustproof, **범용 실험실 가위**

〈L1〉

■ ***Supplied by Bochem® in Germany***

		Ea. Price, ₩
BC.4020	Scissors, Laboratory, with Plastic Handle, SS, L130mm, Blade L50mm	18,230
BC.4021	, L150mm, Blade L70mm	18,550
BC.4022	, L200mm, Blade L100mm	26,040
BC.4023	, L250mm, Blade L120mm	33,270


L175 ~ 300mm, Paper Scissors

Bochem® Paper Scissors, for Cutting Paper, with Sharp-Sharp Tip, L175~300mm
Stainless-steel 430, Finished Surface, Rustproof, **페이퍼용 가위**

〈L1〉

■ ***Supplied by Bochem® in Germany***

		Ea. Price, ₩
BC.4160	Paper Scissors, Sharp Tips, SS, L175mm, Blade L80mm	24,200
BC.4161	, L200mm, Blade L95mm	27,240
BC.4163	, L250mm, Blade L135mm	49,680
BC.4165	, L300mm, Blade L170mm	78,590


SS, Sharp-Round Tip

Bochem® Laboratory Scissors, with Sharp-Round Tip, L115~180mm
Stainless-steel 430, Finished Surface, Rustproof, **실험실용 가위**

〈L1〉

■ ***Supplied by Bochem® in Germany***

		Ea. Price, ₩
BC.4001	Scissors, Laboratory, Sharp-Round Tip, SS, L115mm, Blade L45mm	18,230
BC.4002	, L130mm, Blade L50mm	19,570
BC.4004	, L150mm, Blade L60mm	22,990
BC.4005	, L165mm, Blade L70mm	24,670
BC.4006	, L180mm, Blade L80mm	26,890



Bochem® Universal Laboratory Scissors, with Plastic Handle, L180~210mm
With 3-type Tips, up to Max 145℃ Resistant, Stainless-steel 430, **다용도 실험실 가위**

〈L1〉

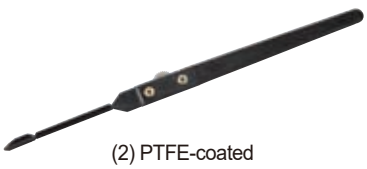
■ ***Supplied by Bochem® in Germany*** ■ ***절삭력이 우수함***

		Ea. Price, ₩
BC.4150	(1) Scissors, Sharp-Sharp Tip, L200mm, Blade L70mm	30,630
BC.4151	(2) , Sharp-Blunt Tip, Angle-134°, L180mm, Blade L60mm	18,300
BC.4154	(3) , Sharp-Sharp Tip, L210mm, Blade L70mm	27,250

Articles	Cat. No	Description



(1) Stainless-steel



(2) PTFE-coated

Premium Vibro-Scoop, High Grade Stainless-steel · PTFE-Coated, with Adjusting Knob, L190 & 220mm
Ideal for Handling High Value Materials, with Plastic-handle, 프리미엄 진동 스쿠프

■ ***진동에 의한 미세한 용량 조절이 가능하여 밸런스 측정 및 고품질 시료를 핸들링하는데 적합***

* Ideal for Use with Balance or Handling High Value Materials
* Adjustable Sample Offering with the Adjusting Knob

(1) Bochem® Stainless-steel Vibro-Spatula, with Plastic-handle, L190mm

* Supplied by Bochem® in Germany
* 18/10 Stainless-steel; Non-magnetic, Rust-free, Anti-Acid · Chemicals · Heat, MP 1400℃

〈L1〉

		Ea.	Price, ₩
BC.3540	Vibro Scoop, Stainless-steel, L190, Blade-12×50mm		39,020

(2) Hammacher® PTFE-Coated Vibro-Spatula, with Plastic-handle, L220mm

* Made in Germany
* Teflon-PTFE : Anti-Acid · Alkally · Chemicals · Corrosion, MP 260℃

		Ea.	Price, ₩
HA.HSN462.22	PTFE-coated Vibro Scoop, L220, Blade-7×80mm		53,870

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(1)



(2)



Micro Half-round Scoop & Spatula, High Grade Stainless-steel, L130~210mm
Non-magnetic, High Polished, 미니 스텐 스쿠프-스패츌러, 비자성/비부식

* 18/10 Stainless-steel; Non-magnetic, Rust-free, Anti-Acid / Chemicals / Heat

(1) Slender Stem-type

* Supplied by SciLab Korea

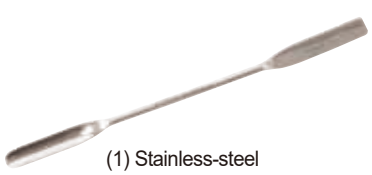
〈L1〉

		Ea.	Price, ₩
SL.Sco7001	Scoop-Spatula, Stainless-steel, L130, Blade-9×40, Stem-Φ3.7mm		3,000
SL.Sco7002	, L150, -9×45, -Φ3.3mm		2,740
SL.Sco7003	, L185, -9×50, -Φ3.3mm		3,270
SL.Sco7004	, L210, -9×50, -Φ3.3mm		4,320

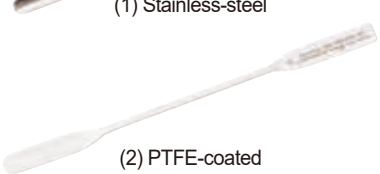
(2) Bochem® Thin-wide Stem-type

* Supplied by Bochem® in Germany

		Ea.	Price, ₩
BC.3360	Mini Scoop, Stainless-steel, L170, Bowl-10×40, Stem thick-1mm		6,650



(1) Stainless-steel



(2) PTFE-coated

Hammacher® Premium Scoop-Spatula, with Half Round Scoop, L150 & 210mm
Rustproof Stainless-steel & PTFE-coated, <Germany-Made> 프리미엄 스쿠프-스패츌러, 독일제, 비부식

(1) Rustproof 18/8 Stainless-steel Scoop-Spatula, L150 & 210mm

* 18/8 Stainless-steel; Rust-proof, Anti-Acid · Chemicals · Heat, MP 1400℃

〈L1〉

		Ea.	Price, ₩
HA.HSN075.15	Scoop-Spatula, Stainless-steel, L150, Blade-10×50, Stem-Φ3.0mm		5,770
HA.HSN077.21	, L210, -10×50, -Φ3.0mm		6,740

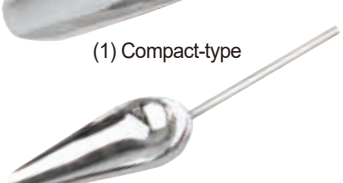
(2) PTFE-coated Scoop-Spatula, L150mm

* Teflon-PTFE : Anti-Acid · Alkally · Chemicals · Corrosion, MP 260℃

		Ea.	Price, ₩
HA.HSN075.15T	Scoop-Spatula, PTFE-coated, L150, Blade-10×50, Stem-Φ3.0mm		22,020



(1) Compact-type



(2) Mini-type

Stainless-steel Kitchen Scoop, High Grade Stainless-steel, Compact & Mini-type, L160~245mm
For Kitchen & Weighing, Non-magnetic, 주방/식품용 스쿠프, 비자성/비부식

■ ***Supplied by SciLab Korea***

* 18/10 Stainless-steel; Non-magnetic, Rust-free, Anti-Acid / Chemicals / Heat

〈L1〉

(1) Compact-type, L245mm

		Ea.	Price, ₩
SL.Sco7015	Kitchen Scoop, SS, L245mm, Bowl-Φ80×L135mm		18,790

(2) Mini-type, L160 & 200mm, for Kitchen & Weighing

* Ideal for Common Use or Kitchen & Balance Weighing Scoop

		Ea.	Price, ₩
SL.Sco7017	Kitchen / Weighing Scoop, SS, L160mm, Bowl-16×L80mm		15,600
SL.Sco7018	, L200mm, -103×L187mm		18,790

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



(1) Comfort/Robust, 120~2000㎖



(2) Pharma-Scoop, 100~500㎖

Bochem® Scoop, High Grade Stainless-steel, Robust & Pharma-model, 100~2,000㎖

For Pharmacentical · Chemical · Food application, Non-magnetic, **스텐 스쿠프, 비자성/비부식**

■ ***Supplied by Bochem® in Germany***

∗ 18/10 Stainless-steel; Non-magnetic, Rust-free, Anti-Acid / Chemicals / Heat

〈L1〉

(1) Comfort/Robust Scoops, 120~2,000㎖

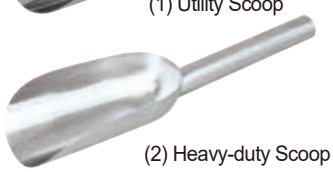
		Ea.	Price, ₩
BC.8800	Scoop, Stainless-steel, 120㎖ , Φ50× ℓ100×L190mm (with handle)		39,890
BC.8801	, 450㎖ , Φ75× ℓ145×L250mm (with handle)		43,940
BC.8802	, 1,000㎖, Φ105× ℓ190×L320mm (with handle)		51,940
BC.8803	, 1,500㎖, Φ120× ℓ230×L350mm (with handle)		59,840
BC.8804	, 2,000㎖, Φ150× ℓ250×L370mm (with handle)		83,820

(2) Food/Pharma-Scoops, 100~500㎖

		Ea.	Price, ₩
BC.8835	Pharma-Scoop, Stainless-steel, 100㎖, Φ60× ℓ120×L215mm (with handle)		62,240
BC.8836	, 200㎖, Φ75× ℓ140×L230mm (with handle)		64,290
BC.8837	, 250㎖, Φ 85× ℓ155×L245mm (with handle)		77,050
BC.8838	, 500㎖, Φ130× ℓ220×L350mm (with handle)		113,870



(1) Utility Scoop



(2) Heavy-duty Scoop

Utility Scoop, High Grade Stainless-steel, with Handle, 250~2,700㎖

Ideal for Common Use, Non-magnetic, **다용도 스텐 스쿠프, 비자성/비부식**

〈L1〉

∗ 18/10 Stainless-steel; Non-magnetic, Rust-free, Anti-Acid / Chemicals / Heat

		Ea.	Price, ₩
SL.Sco7021	(1) Scoop, SS, 250㎖ , Φ85×155 , Overall-L270mm		42,880
SL.Sco7022	, 500㎖ , Φ95×180 , Overall-L325mm		51,450
SL.Sco7023	, 1,000㎖, Φ145×255, Overall-L400mm		64,330
SL.Sco7028	(2) Heavy-duty Scoop, SS, 2,700㎖, Φ160×300, Overall-L450mm		102,870



SciLab® Safety Volume Scoop, 1,000 & 2,000㎖,

Good for Foodstuff & Industry, Stainless-steel 18/10, **스텐레스 안전스쿠프**

〈L1〉

■ ***Made in Korea*** ∗ Good for Safety Handling of Large Volume

		Ea.	Price, ₩
SL.Sco7011	Scoop, SS, 1,000㎖, Φ113× ℓ170, Overall-L260mm, 294g		37,100
SL.Sco7012	, 2,000㎖, Φ130× ℓ195, -L290mm, 345g		45,000



Aluminium-Scoop Light-Weight, 50~2,500㎖

Bochem® General Purpose Aluminum Scoop, 50~2,500㎖

Ideal for Chemical-use, Light-weight(Sp. 2.7g/cm³), **알루미늄 스쿠프**

■ ***Supplied by Bochem® in Germany***

〈L1〉

∗ The "L" Overall Length : With Handle Length.

		Ea.	Price, ₩
BC.8816	Alumi-Scoop, 50㎖ , Φ24× ℓ80×L135mm (with handle)		7,130
BC.8818	, 90㎖ , Φ32× ℓ115×L185mm (with handle)		12,270
BC.8819	, 160㎖ , Φ37× ℓ120×L210mm (with handle)		15,550
BC.8820	, 240㎖ , Φ45× ℓ145×L250mm (with handle)		19,780
BC.8822	, 480㎖ , Φ57× ℓ185×L310mm (with handle)		35,480
BC.8823	, 900㎖ , Φ63× ℓ220×L350mm (with handle)		51,780
BC.8824	, 1,600㎖, Φ83× ℓ270×L400mm (with handle)		87,130
BC.8825	, 2,500㎖, Φ95× ℓ300×L430mm (with handle)		118,200

Articles	Cat. No	Description



(1) Bio-PE "Eco-Friendly" Scoop



(2) Individually Packed in Clean Room

Burkle® Bio – PE Clean Scoop, Sterile or Non-sterile, Individually Packed in Clean Room, 25~150㎖ With Self-Standing Constructure, <Germany-Made> 바이오 PE 친환경 스쿠프

■ ***According to EU Food and FDA Guidelines.***
■ ***Production, Assembling and Packaging acc. to Clean-Room Class 7 (10.000)***

∗ ***What's so special?*** *In order to create a holistic sustainable product also the individual packaging is made of Bio-PE. The bio-plastic Green PE is 100% recyclable, without fossil raw materials. Thus CO_2 is saved (2,1 t CO_2/t PE) and the greenhouse effect is reduced. This is another important step to reconcile highest quality disposable laboratory products with ecological sustainability.*

∗ Designed and Developed to Optimally Fulfil the Demanding and Specific Requirements of Laboratory, Industry and Science. ∗ Bio-plastic Green PE(Polyethylene), White ∗ Self-Standing Constructure

〈L1〉

(1) Non-steile Bio-PE Scoop, Individual Package

		Ea.	Price, ₩	Pk.	Price, ₩
BK.5379.0001	Scoop, Bio-PE, Non-sterile, 25㎖ , L141mm		5,590	10ea	51,650
BK.5379.0003	, 50㎖ , L160mm		5,780	10ea	53,350
BK.5379.0005	, 100㎖, L205mm		5,970	10ea	55,080
BK.5379.0007	, 150㎖, L216mm		6,120	10ea	56,540

(2) γ-Sterile Bio-PE Scoop, Individual Package

∗ Gamma Radiation Sterilized (minimum 10kGy)

		Ea.	Price, ₩	Pk.	Price, ₩
BK.5379.1001	Scoop, Bio-PE, **Sterile**, 25㎖ , L141mm		6,230	10ea	57,470
BK.5379.1003	, 50㎖ , L160mm		6,400	10ea	59,170
BK.5379.1005	, 100㎖, L205mm		6,620	10ea	61,040
BK.5379.1007	, 150㎖, L216mm		6,780	10ea	62,620





Burkle® PP Anti-static Scoop & Scraper, Heat & Chemical Resistance Ideal for Chemistry & Industry, Multi-use, 정전기 제거형 스쿠프 & 스크래퍼

■ ***Supplied by Burkle® in Germany***
∗ With Anti-static Additive, Ideal for robust use in Chemistry and Industry.
∗ Polypropylene has a high resistance to chemicals and temperatures ; -10℃+125/140℃ Stable
▸ **Anti-static** ▸ **Scraper with Fixed Handle** ▸ **Filling Scoop, Ideal for Sampling**

〈L1〉

(1) PP Anti-static Scoop, L250~350mm

		Ea.	Price, ₩	Cs.	Price, ₩
BK.8300.5001	PP Industry Scoop, Anti-static, w110×d150mm, L250mm, 90g		19,120	10ea	
BK.8300.5002	, w138×d187mm, L310mm, 187g		29,550	5ea	
BK.8300.1002	, w167×d230mm, L350mm, 289g		34,950	5ea	

(2) PP Anti-static Scraper, L205 & 250mm

		Ea.	Price, ₩	Cs.	Price, ₩
BK.8300.4001	PP Industry Scraper, w75×L205mm , 44g		17,600	10ea	
BK.8300.4002	, w100×L250mm, 80g		22,350	10ea	



VITLAB® PP White Measuring Scoop, Flat-top, Autoclavable, 2~1,000㎖ For Liquid · Powder · Solid, 0℃~125/140℃ Stable, PP 백색 계량 스쿠프, 액체/고체겸용

■ ***Supplied by VITLAB® in Germany***
■ ***다양한 용량과 정밀한 용량, 안정적인 손잡이를 가진 스쿠프***
∗ With Precision Formed Suitable Filling Edge and Comfortable ∗ 121℃ Autoclavable PP(Polypropylene)
∗ Good Chemical & Temp-Resistance Multi-Use : Free-Standing and Flat-Top Construction
∗ Easily Readable Volume Quantities on the Upper Side of the Stable Handle.
∗ Suitable as Weighing Scoops

〈L1〉

		Ea.	Price,₩	Pk.	Price, ₩
VI.391.94	Scoop, Measuring, 2㎖ , L60mm		580	12ea	6,630
VI.392.94	, 5㎖ , L82mm		670	12ea	7,470
VI.393.94	, 10㎖ , L100mm		830	12ea	9,530
VI.394.94	, 25㎖ , L135mm		1,090	12ea	12,420
VI.395.94	, 50㎖ , L160mm		1,580	12ea	18,220
VI.396.94	, 100㎖ , L200mm		2,370	12ea	27,320
VI.397.94	, 250㎖ , L260mm ***New***		5,200	6ea	30,220
VI.398.94	, 500㎖ , L315mm ***New***		7,300	6ea	42,420
VI.399.94	, 1,000㎖, L385mm ***New***		8,790	6ea	51,100

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



VITLAB® HDPE Traditional Scoop, Tapered Filling Edge, Natural Color, 15~1,250㎖, Transparency
Suitable for Foodstuff, −50℃+105/120℃, HDPE 범용 스쿠프

■ ***Supplied by VITLAB® in Germany*** 〈L1〉

∗ Non-Autoclavable

		Ea. ₩	Cs. Price, ₩
VI.400.93	15㎖ , L115mm	1,000	12ea 11,590
VI.401.93	25㎖ , L135mm	1,330	12ea 15,320
VI.402.93	65㎖ , L185mm	1,730	12ea 19,870
VI.403.93	110㎖, L215mm	2,430	12ea 28,140
VI.404.93	150㎖ , L250mm	2,740	12ea 31,870
VI.405.93	350㎖ , L310mm	5,320	12ea 30,830
VI.406.93	750㎖ , L350mm	8,790	12ea 51,100
VI.407.93	1250㎖, L400mm	12,840	12ea 74,670



Kartell® HDPE Foodstuff Scoop, Round-shaped, 250~1,500㎖
Suitable for Industrial Use, White, −50℃+105/120℃, <Italy-Made> HDPE 식품용 스쿠프

〈L1〉

∗ Round-Shaped Designed for Foodstuff & Heavy Duty ∗ Non-autoclavable

		Ea.	Price,₩	Cs.	Price,₩
KA.1110	Scoop, PE, Industry, 250㎖ , L250mm		3,700	25ea	89,380
KA.1111	, 500㎖ , L300mm		4,450	25ea	107,590
KA.1066	, 1,000㎖, L350mm		6,190	25ea	149,580
KA.1112	, 1,500㎖, L400mm		6,850	25ea	165,730



Cowie® PTFE Sample Scoop, Totally Chemical Inert, L140mm
Excellent for Chemical and Corrosion resistance, −200℃+280℃, <UK-Made> PTFE 시료 스쿠프

〈L1〉

∗ Non-Contaminating

		Ea.	Price, ₩
CW.041.001	Scoop, PTFE, 38×80×h20 mm Scoop, Total L140 mm		48,680



Glass Weighing Scoop, 3 · 6 · 10㎖, Easy to Use, Boro-glass 3.3, Glass 평량 스쿠프

■ ***Supplied by SciLab Korea***

∗ with OPEN TUBULAR ARM for the Filling of Powder into Narrow Mouth Bottles / Vessels

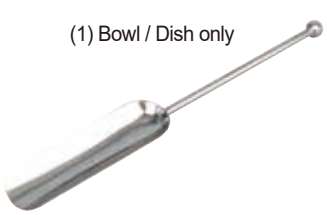
∗ with Flat Bottom for Safety Location

〈L1〉

		Ea.	Price,₩	Pk.	Price, ₩
SL.Sco1011	Weighing Scoop, Glass, 3㎖ , L(approx)-65mm		18,380	10ea	177,920
SL.Sco1012	, 6㎖ , -80mm		18,380	10ea	177,920
SL.Sco1013	, 10㎖, -95mm		18,380	10ea	177,920



(1) Bowl / Dish only



(2) with Handling Stem

Weighing Scoop, High Grade Stainless-steel, with or without Handling Stem, L70~250mm
Non-magnetic/Rust-free, 경제형 웨잉 스쿠프, 비자성/비부식

■ ***Supplied by SciLab Korea*** ∗ 18/10 Stainless-steel; Non-magnetic, Rust-free, Anti-Acid / Chemicals / Heat

〈L1〉

(1) Bowl / Dish-only, without Handling Stem, L70~120mm

		Ea.	Price, ₩
SL.Sco7031	Weighing Scoop, Dish, SS, Dish-32×70mm , 13g		3,270
SL.Sco7032	, Dish-32×90mm , 18g		3,530
SL.Sco7033	, Dish-32×105mm, 23g		3,780
SL.Sco7034	, Dish-32×120mm, 26g		4,070

(2) with Handling Stem, L200~250mm

		Ea.	Price, ₩
SL.Sco7036	Weighing Scoop, Handled, SS, Bowl-31×70 , Overall-L200mm, 29g		8,620
SL.Sco7037	, Bowl-31×90 , -L220mm, 33g		8,890
SL.Sco7038	, Bowl-31×105, -L235mm, 45g		9,170
SL.Sco7039	, Bowl-31×120, -L250mm, 48g		9,430



(1) Stainless-steel



(2) PTFE-coated

Bochem® Premium Weighing Scoop, High Grade Stainless-steel · PTFE-Coated, L200~250mm
Non-magnetic/Rust-free, 웨잉 스쿠프, 비자성/비부식

■ ***Supplied by Bochem® in Germany***

(1) High Grade Stainless-steel Weighing Scoop, L200~250mm

〈L1〉

∗ 18/10 Stainless-steel; Non-magnetic, Rust-free, Anti-Acid / Chemicals / Heat, MP 1400℃

		Ea.	Price, ₩
BC.3600	Weighing-Scoop, SS, L 200, Head-31×70 , Stem-Φ5 mm, 30g		33,730
BC.3602	, L 235, -31×105, -Φ5 mm, 35g		37,500
BC.3603	, L 250, -31×120, -Φ5 mm, 40g		39,170

(2) PTFE-Coated Weighing Scoop, L235mm

∗ Teflon-PTFE : Anti-Acid · Alkally · Chemicals · Corrosion, MP 260℃

		Ea.	Price, ₩
BC.8265	PTFE-coat. Weighing-Scoop, L235, Head-31×105, Stem-Φ5 mm, 39g		140,120

DAIHAN Scientific

Shakers

DAIHAN SCIENTIFIC GROUP
Your Neighborhood Friend

Mixers, Rocking & Rolling Tube Mixers ····· P. 699
, Vortex Mixers ····· P. 700
Shakers, Orbital Motion ····· P. 701~704
, Reciprocating Motion ····· P. 703~704
, Rockers ····· P. 705
, Rotators ····· P. 706
, Sieve Shaker *New* ····· P. 707

• Mixer, Hematology



"MIXR-40"

• Mixer, Vortex



"VM-30"

"VM-100"

• Shaker, Orbital/Reciprocating

"SHO-2D"



"SHK2.R"

• Shaker, Rocker



"MIXM"



"RK-1D"

• Shaker, Rotator



"RT-10"

• Shaker, Sieve Shaker



"SKS-208"

Articles	Cat. No	Description

DAIHAN® Hematology Tube Mixer "MIXR-40", with 5 Mixing Roller, Rocking & Rolling-motion, Fixed 40rpm
Ideal for 15~50㎖ Test Tube, with Minimum Noise Motor and 0~60min Timer, **튜브 롤러 믹서, 헤마톨로지용**



2-Year Warranty

■ ***Supplied by DAIHAN Korea*** ■ ***with 5×Mixing Rollers(Φ32×L325mm)***
■ ***Ideal for Mixing Blood Samples, Viscous Substances and Liquid-Solid Suspensions, Use in a Variety of Applications, Prevention of Blood Coagulation and Immune Precipitation, etc.***
■ ***Rocking & Rolling Mixing-motion for Complete Sample Mixing***

∗ Stability Mixing Motion and Built in Minimize Noise AC Synchronous Motor
∗ Can Use with 8ea×15㎖ Test Tubes or 8ea×50㎖ Test Tubes. ∗ Stability Fixed 40rpm Mixing Speed
∗ Built in 99hr 59min Timer for User Convenience ∗ Can be Used in Cold Lab Chambers or Incubators

Specifications & Ordering information
〈L1〉

Spec. \ Model	"MIXR-40"
No. of Mixing Roller	5ea×Mixing Rollers
Mixing Roller Size & Material	Φ32×L325 mm, PVC
Mixing Speed	Fixed 40rpm
Motor	AC Synchronous Motor, 12W
Timer	0~60min Analog Timer/Continuous Run
Material(Body)	Powder-coated Steel
Dimension & Weight	490×220×h100mm, 3 kg
Electric Reqts.	AC 230V, 50/60Hz
Cat. No.	**DH.MixR1040**
Price, Each. ₩	485,000

DAIHAN® Digital Tube Roller Mixer "MIXR-T6", with 6 Rollers, Rocking & Rolling Motion, Speed Range 10~70rpm
Ideal for Mixing Blood Sample · Viscous Substance · Liquid-Solid Suspension, **디지털 튜브 롤러믹서**

CE



2-Year Warranty

Digital Tube Roller Mixer, "MIXR-T6"

■ ***Supplied by DAIHAN Korea*** ■ ***CE Certified***
■ ***혈액 샘플, 점성 물질 및 액체-고체 서스펜션의 혼합과 응고/침전 방지 등에 매우 효율적인 롤링 동작을 제공.***

∗ Used in a Variety of Applications, such as the Prevention of Blood Coagulation, Immune Precipitation, etc.
∗ LCD Displays the Speed and Time
∗ Six Roller Design for Gentle Rolling and Easy to Clean.

Specifications & Ordering information
〈L1〉

Spec. \ Model	"MIXR-T6"
Speed Range	10~70rpm
Mixing Roller Length	L280mm
Max. Load Capacity	4 kg
Ambient Temp & Humidity	5℃~40℃ & 80%RH
Motor Type	DC Motor
Operation Mode	Continuous / Timer
Timer Setting Range	1~1199 min
Dimension & Weight	450×260×h120mm, 5.1kg
Power Consumption	30W
Electric Reqts.	110V-220V, 50Hz/60Hz
Cat. No.	**DH.MixR1070**
Price, Each. ₩	769,940

Articles	Cat. No	Description

DAIHAN® Mini Vortex Mixer "VM-100", Up to 3,200rpm

With Silicone Head, Space Saving Compact Design, Variable Speed Control, **소형 볼텍스 믹서**



2-Year Warranty

■ ***Supplied by DAIHAN Korea*** ■ ***Quality Certification : ISO 9001***
■ ***Ideal for Mixing Solutions in Test Tubes Oscillating Movement***

* Mini Size save the Space of Working Desk
* Variable Speed Control and Automatically Press Start
* Powerful and Quiet Vortex Mixing Action for Tubes up to 50㎖
* Blue/Orange Silicone Top Head
* Max. Speed : 3,200 rpm * Orbit : 4.5mm
* Overall Dimension & Weight(N.W./G.W.) : 55×173×h81 mm, 0.77 / 0.9 kg

〈L2〉

		Ea. Price, ₩
DH.WVM0100.B	Mini Vortex Mixer, **"VM-100"**, for 230V, Blue Silicone Head	190,000
DH.WVM0100.O	, Orange Silicone Head	190,000

DAIHAN® Hi-performance Multifunction Vortex Mixer-set "VM-30", Circular Orbit, Constant Torque, 3,300rpm

With Φ76mm(3inch) Platform Head & Pop-off Cup Head, Variable Speed Control, Continuous or Touch-on Mixing

다용도 볼텍스 믹서, 다양한 속도 조절, 인체공학적 디자인 적용, 강력하고 안정된 동작과 저소음



2-Year Warranty

Multifunction Vortex Mixer Set "VM-30"
with Φ76mm(3˝) Platform(PM110)

■ ***Supplied by DAIHAN Korea*** ■ ***PL (Product Liability) Insurance***
■ ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
■ ***Ideal for Mixing Solutions in Test Tubes or Small Flasks with Circular, Oscillating Movement***
■ ***Variable Speed Control Allows Slow Speed Shaking Action up to High Speed Vortexing***

* Ergonomic Design with Stable Low Profile Body.
* A Robust and Sturdy Diecast Construction. * Powerful Motor for Efficient Mixing
* Eccentric with Oil-less Ball Bearings
* Optimized Counter Balance System Minimizes Vibration.
* Special Designed Silicone Feet Absorb Vibration at High Speeds.
* Electronic Speed Control for Constant Speed even during Changes in Load
* One Mixing Head for a Variety of Tube Sizes(Conical Tube can be Mixed Smoothly by Hand Holding)
* Universal Head for a Variety of Mixing Applications(Accepting Vessels up to 76mm Diameter)
* NBR(Nitrile Butadiene Rubber) Feet for Ultra Stability and Vibration Damping

Specifications & Ordering information

〈L1〉

Spec. \ Model			"VM-30"
Speed Range			0 ~ 3,300 rpm
Shaking Motion			Orbital, Circuit Orbit : 4.0mm
Control			Analog Phase Controller
Motor			Brushless AC Motor
Head (Included)			Pop-off Cup Head and Φ76mm Platform Head
Max. Load			0.5 kg
Material			Aluminum Die-casting with Powder Coating
Dimensions (w×d×h) (mm)			140×190×h123 mm
Weight			3 kg
Others			3-position Power Switch Operates Aluminum Die-casting with Powder Coating
Packing Dimension (w×d×h) (mm)			175×255×h215 mm
Gross Weight			3 kg
Power Consumption			30 W
Electrical Reqts.			1 Phase, AC 120V, 50 / 60Hz or AC 230V, 50 / 60Hz
Cat. No.	230V	60Hz	DH.WVM00030
		50Hz	DH.WVM00031
	120V	60Hz	DH.WVM00032
		50Hz	DH.WVM00033
Price, Each. ₩			244,000

* Other Specifications are available upon Customer's Request.



(1) Platform Head, Φ76mm(3inch) "PM110" (Included)



(2) Pop-off Cup Head "PM210" (Included)



Optional "PM310"

(3) Microtube Platform Head, 12-places 0.5~2.0ml Tube



Remove Applicator (Included)

Spare Platform Head

		Ea. Price, ₩
DH.WVM00110	(1) Platform Head, **"PM110"**, Φ76mm(3inch)	13,800
DH.WVM00210	(2) Pop-off Cup Head, **"PM210"**	12,500

(3) Optional Platform Head

		Ea. Price, ₩
DH.WVM00310	Microtube Platform Head(0.5~2.0㎖), **"PM310"**, 12-places	25,000

※ The Price(VAT is extra) for Korean End-user, and Changeable.

DAIHAN® Compact Functional Orbital Shaker "MIXM-1500", with the Microplate Clamp, Max. 1,500rpm

For Holding Single or Double Microplates, Continuous Operation, **소형 기능성 궤도형 쉐이커,** Microplates & Tubes용



2-Year Warranty

Microplate Mixer, "MIXM-1500"
with (1) Single Microplate Clamp (Included)

※ Microplate is not Included

■ ***Supplied by DAIHAN Korea*** ■ ***CE Certified***

■ ***마이크로 플레이트용 소형믹서로 생명과학분야에서 널리 사용됨.***

* Widely Used in Life Sciences Including Microbiology, Cell and Molecular Biology, Immunology, and Biotechnology.
* Compact Shape of Microplate Mixer.
* Various Mixing Applications with Optional Adapters.
* Maintenance-free Brushless DC Motor

Optional Accessory



Fig 1. with (2) Double Microplate Clamp



Fig 2. with (3) Universal Top Plate & (8) Tube Adapter



(3) Universal Top Plate



(4) Tube Adapter, Φ6mm, 48-Hole



(5) Tube Adapter, Φ10mm, 15-Hole



(6) Tube Adapter, Φ12mm, 16-Hole



(7) Tube Adapter, Φ16mm, 8-Hole



(8) Tube Adapter, Φ20mm, 8-Hole

Specifications & Ordering information

〈L1〉

Spec. \ Model	"MIXM-1500"
Speed Range	Single Microplate : 0~1,500rpm Double Microplate : 0~1,000rpm
Shaking Motion	Orbital (Dia. 4.5mm)
Max. Shaking Weight	0.5kg (with Accessory)
Motor Type	Brushless DC Motor
Motor Rating (Input/Output)	18W / 10W
Ambient Temp & Humidity	5℃~40℃ & 80%RH
Dimension & Weight	260×150×h80mm & 3kg
Power Consumption	20W
Electric Reqts.	110V-220V, 50Hz/60Hz
Cat. No.	**DH.MixM1500**
Price, Each. ₩	401,720

Spare Microplate Clamp

Cat. No		Ea. Price, ₩
DH.Cla7001	(1) Single Microplate Clamp **"PS1.2"**	10,640

Optional Accessory

DH.Cla7002	(2) Double Microplate Clamp **"MXM-116"**	12,400
DH.Cla7003	(3) Universal Top Plate **"PS1.1"**, Used with Tube Adapter	10,640
DH.Ada6001	(4) Tube Adapter, for Test Tube **"VT1.3.1"**, Φ6mm, 48-Hole	24,150
DH.Ada6002	(5) **"VT1.3.2"**, Φ10mm, 15-Hole	24,150
DH.Ada6003	(6) **"VT1.3.3"**, Φ12mm, 16-Hole	24,150
DH.Ada6004	(7) **"VT1.3.4"**, Φ16mm, 8-Hole	24,150
DH.Ada6005	(8) **"VT1.3.5"**, Φ20mm, 8-Hole	24,150

DAIHAN® Analog Orbital Shaker "SHKO-300", 285×285 Platform, 10 Levels Speed Control, 40~300rpm
With Standard Rubber Mat Platform, 0~60min Timer, **궤도형 쉐이커, 플랫폼 포함**



Orbital Shaker "SHKO-300"

- ***Supplied by DAIHAN Korea***
- ***Stepless Speed Controller(10Levels Speed/40~300rpm)***
- ***Ideal for Culturing Cells to Hybridization, Staining and Destaining Gels, and Combinatorial Chemistry, etc.***
- ***Included Rubber Mat Platform***
- ***Optional PCR Plate- / Universal Perforated-Platform***

∗ Brushless DC Motor : Low Noise and Long Life time
∗ Optimal Platform Rotation for Intensive Mixing
∗ Built in 0~60min Timer for User Convenience

Specifications & Ordering information

〈L1〉

Spec. \ Model	"SHKO-300"
Platform Size	285×285×h10mm
Shaking Motion	Orbital Motion
Speed Range	40~300 rpm, 10 Levels Speed Control
Motor	20W DC 12V Motor
Timer	0~60min Analog Timer/Continuous Run
Material	Powder-coated Steel
Dimension (w×d×h)	250×280×h180mm
Net Weight	7 kg
Packing Size (w×d×h) & Gross Weight	320×350×h250mm 7.5 kg
Electric Reqts.	AC 230V, 50/60Hz
Cat. No.	**DH.ShkO1300**
Price, Each. ₩	485,000



(1) PCR Plate Platform



(2) Universal Perforated Platform and SS Wire Spring Flask Holder

Optional or Spare Platforms and Flask Holders

		Ea. Price, ₩
DH.ShkO3001	(1) PCR Plate Platform, for PCR Plate, 285×285mm	37,000
DH.WSO504100	(2) Universal Platform, for Flask Holder, 230×230mm	88,800
DH.WIS600100	(2) SS Wire Spring Flask Holder, **"FHS100",** for 100㎖ Flask	8,800
DH.WIS600250	, **"FHS250",** for 250㎖ Flask	10,000
DH.WIS600500	, **"FHS500",** for 500㎖ Flask	11,300
DH.WIS601000	, **"FHS1000",** for 1000㎖ Flask	13,800

Spec. \ Model		Universal Flatform
Max. Capacity of Flask Holder	For 50~100㎖	9 ea
	For 200~300㎖	7 ea
	For 500~1000㎖	4 ea

DH.ShkO3003	**Spare ;** Rubber Mat Platform, Multi-use, w285×d285mm	37,000

※ The Price(VAT is extra) for Korean End-user, and Changeable.

DAIHAN® Premium Digital Orbital and Reciprocating Shaker "SHK2.O" & "SHK2.R", 255×255 Platform, 10~300 rpm

Powerful Compact Design, with Programmable function and Large LCD Display, Quiet & Low-vibration, without Platform

디지털 궤도형 & 왕복형 쉐이커, 플랫폼 별도, 저소음/저진동 긴 수명, 부드러운 시동 동작 및 속도 조절



I. Orbital Shaker "SHK2.O"



II. Reciprocating Shaker "SHK2.R"

- ***Supplied by DAIHAN Korea*** ■ ***CE Certified***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
- ***Ideal for Culturing Cells to Hybridization, Staining and Destaining Gels, Chemistry***
- ***PL (Product Liability) Insurance*** ■ ***Patented Jog-Shuttle Control System***
- ***Available Rubber Mat-/Universal-Platform(Optional)***
- ∗ Ideal for Hybridization, Washing Blots, Culturing Microbes
- ∗ Compact Design Easily Fits in Incubators and on the Laboratory Bench.
- ∗ Soft Start and Noise-free Operation. ∗ Digital Speed Control easily adjusts from 10 to 300 rpm
- ∗ Built-in Digital Timer. Use in Continuous Shaking or Timer Mode up to 99 hr 59 min.
- ∗ Gentle Speed up and Slow down by PID Speed Control. Slow Start Motion decreases Risk of Spills.
- ∗ Large LCD for Speed, Timer Function and Operating Mode.
- ∗ Low Vibration, Low Noise ∗ Clearly laid out Control Panel for easy Operation.
- ∗ Speed Regulation by Microprocessor. ∗ Excellently Applicable for Continuous Operation.
- ∗ Constant Speed Independent Ofload. ∗ Comprehensive Range of Accessories.
- ∗ Audible Buzzer Alarms on Time Expiration and when an Error Occurs.
- ∗ Over-speed Detection and Protection. ∗ Automatic Recovery from Power Break.
- ∗ Brushless Motor Provides Maintenance Free Operation.

Specifications & Ordering information

〈L1〉

Spec. \ Model	I. Orbital Shaker "SHK2.O"	II. Reciprocating Shaker "SHK2.R"
Shaking Platform Size	255×255 mm	
Shaking Motion	Orbital Motion	Reciprocating Motion
Speed Range & Max. Load	10 ~ 300 rpm, 10kg	
Amplitude of Rotation (mm)	10 mm	
Motor	Brushless DC Motor	
Permissible Temp & Moisture	Ambient 5℃ ~ 50℃, 80%	
Timer & Alarm	99hr 59min (with Continuous run.), Error status & Timer-end	
Display	Large Size Digital LCD with Back-Light Function	
Controller	Digital Fuzzy Controller with Touch Button, Jog-dial	
Program Function	10 Steps, 6 Programs	
Platform	Universal Platform for various Shapes & Size of Flask	
Dimension & Weight	376×375×h138 mm(Base Platform : 255×255 mm), 13kg	
Packing Dimension & Weight	345×420×h205 mm, 13.5kg	
Safety Circuit	Overload Protector for Motor	
Power Consumption	45 W	
Electrical Reqts.	1 Phase, AC 120V, 60Hz or AC 230V, 50 / 60Hz	
Cat. No. 230V	DH.WSO00300	DH.WSR00300
Cat. No. 120V	DH.WSO00301	DH.WSR00301
Price, Each. ₩	967,000	972,000

* Other Specifications are available upon Customer's Request.

※ **운임 별도**

<Optional Accessory>



(1) Universal Perforated Platform & Flask Holder



(3) Universal Spring Rack



(4) Platform for Flasks



(5) Platform for Separatory Funnels

Optional Platforms · Flask Holders · Spring Rack

		Ea. Price, ₩
DH.WSO604100	(1) Universal Platform, 251×251mm	100,000
DH.WSO604200	, 346×346mm	115,000
DH.WIS600100	(1) SS Wire Spring Flask Holder, **"FHS100",** for 100㎖ Flask	8,800
DH.WIS600250	, **"FHS250",** for 250㎖ Flask	10,000
DH.WIS600500	, **"FHS500",** for 500㎖ Flask	11,300
DH.WIS601000	, **"FHS1000",** for 1000㎖ Flask	13,800

Spec. \ Model		251×251mm Universal Platform	346×346mm Universal Platform
Max. Capacity of Flask Holder	For 100㎖	9 ea	20 ea
	For 250㎖	7 ea	15 ea
	For 500㎖	5 ea	9 ea
	For 1000㎖	4 ea	6 ea

DH.WSO604110	(2) Rubber Mat Platform, 295×295mm	48,800
DH.WSO604210	, 370×370mm	57,500
DH.WSO604140	(3) Universal Spring Rack, 295×295×h100mm	241,300
DH.WSO604240	, 370×370×h100mm	287,500
DH.WSO604130	(4) Platform for Round Flask, 350×260×h153mm	161,300
DH.WSO604230	(5) Platform for Separatory Funnels, 350×260×h153mm	163,800

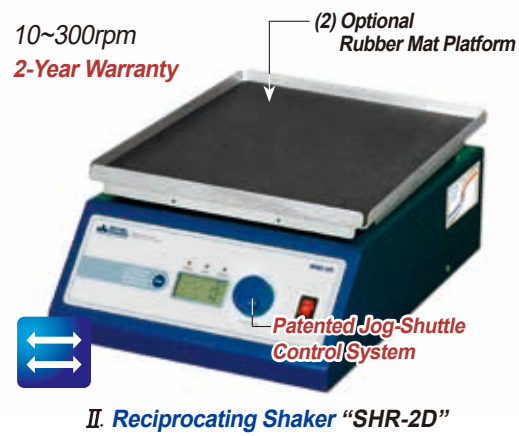
DAIHAN® Large Digital Orbital and Reciprocating Shaker "SHO-2D" & "SHR-2D", 350×350 Platform, 10~300 rpm

With Programmable Digital Feedback Control and Large LCD Display with Back Light, Built-in Timer and Alarm

Without Platform, **대형 디지털 궤도형 & 왕복형 쉐이커, 플랫폼 별도, 저소음 및 긴 수명, 부드러운 시동 동작 및 속도조절**



I. Orbital Shaker "SHO-2D"



II. Reciprocating Shaker "SHR-2D"

- ***Supplied by DAIHAN Korea***
- ***PL (Product Liability) Insurance***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
- ***Ideal for Culturing Cells to Hybridization, Staining and Destaining Gels, and Combinatorial Chemistry.***
- ***Low Noise & Long Life Cycle***
- ***Patented Jog-Shuttle Control System***

* Optimal Platform Rotation for Intensive Mixing
* Brushless DC Motor(Low Noise & Long Life Cycle)
* High Precision Digital Rotation Speed Control
* Programmable Operation Mode Supported
* Digital LCD with Back-Light Function
* Smooth Start and Change of Shaking Speed for Stable Running
* Storage Function(Program, RPM, Timer), Alarm(Error Status and Timer-end) & Overload Protection
* Locking Mode Supported for Experimental Safety (Input to Jog-Shuttle can be Disabled)

Specifications & Ordering information

〈L1〉

Spec. \ Model	I. Orbital Shaker "SHO-2D"	II. Reciprocating Shaker "SHR-2D"
Shaking Platform Size	350×350 mm	
Shaking Motion	Orbital Motion	Reciprocating
Speed Range	10 ~ 300 rpm	
Max. Load	10 kg	
Amplitude of Rotation (mm)	10 kg	15 mm
Motor	Brushless DC Motor	
Permissible Ambient Temp	Ambient 5℃~50℃	
Permissible Relative Moisture	85%	
Timer & Alarm	99hr 59min (with Continuous run.), Error status & Timer-end	
Display	Digital LCD with Back-Light Function	
Controller	Programmable Digital Feedback Controller with Jog-Shuttle Switch(Turn+Push)	
Program Function	10 Steps, 6 Programs	
Safety Circuit	Overload Protector for Motor	
Dimension (w×d×h)	400×480×h160mm	
Net Weight	20 kg	
Packing Size (w×d×h) & Gross Weight	580×500×h250mm / 23 kg	
Power Consumption	40 W	
Electrical Reqts.	Free Voltage (1 Phase, AC 80V~240V, 50/60Hz)	

Cat. No.			
	230V	DH.WSO04012	DH.WSR04022
	120V	DH.WSO05012	DH.WSR05022
Price, Each. ₩		838,000	934,000

* Other Specifications are available upon Customer's Request.

※ 운임 별도

<Optional Accessory>



(1) Universal Perforated Platform & Flask Holder



(3) Universal Spring Rack "SP240"



(4) Platform for Flasks "SP220"



(5) Platform for Separatory Funnels "SP230"

Optional Platforms · Flask Holders · Spring Rack

		Ea. Price, ₩
DH.WSO504200	(1) Universal Platform, **"SP200"**, 350×350mm	115,000
DH.WIS600100	(1) SS Wire Spring Flask Holder, **"FHS100"**, for 100㎖ Flask	8,800
DH.WIS600250	, **"FHS250"**, for 250㎖ Flask	10,000
DH.WIS600500	, **"FHS500"**, for 500㎖ Flask	11,300
DH.WIS601000	, **"FHS1000"**, for 1000㎖ Flask	13,800

Spec. \ Model	Universal Flatform
Max. Capacity of Flask Holder — For 50~100㎖	20 ea
For 200~300㎖	16 ea
For 500~1000㎖	9 ea

DH.WSO504210	(2) Rubber Mat Platform, **"SP210"**, 370×370mm	53,800
DH.WSO504240	(3) Universal Spring Rack, **"SP240"**, 370×370×h100mm	263,800
DH.WSO504220	(4) Platform for Flasks, **"SP220"**, 350×350×h153mm	138,800
DH.WSO504230	(5) Platform for Separatory Funnels, **SP230**, 351×355×h174mm	130,000

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description

DAIHAN® Compact Tube Rocker/Mixer "MIXM", Smoothly Rocking Motion, 24rpm

With Rubber Cushion Platform, Continuous Operation, Ideal for Dishes(≥Φ100mm) or 1.5~50㎖ Tubes, **소형 다기능 믹서/락커**



2-Year Warranty

- ■ *Supplied by DAIHAN Korea*
- ■ *Quality Certification : ISO 9001.* ■ *Ideal for Dishes(≥Φ100mm) and 1.5 ~ 50㎖ Tubes.*
- ■ *Capacity ; 3ea - Φ100mm Dishes, 30ea - 1.5㎖ Microtubes, 15ea - 15㎖ Tubes, or 8ea - 50㎖ Tubes.*
- ■ *Easy to load and unload the Test Tubes without Turning the Mixer Off.*
- ■ *Rubber Cushion preventing the Test Tubes from Slipping.*

* Widely used in Hematology, Chemistry, Research and Bacteriology Laboratories.
* Smooth, Steady, Quiet, and Continuous Operation * Rocking Angle : 23°
* Speed : 24rpm at 60Hz / 20rpm at 50Hz * Platform Dimension : w300×d115 mm
* Overall Dimension & Weight(N.W./G.W.) : 350×140×h110 mm, 1.5 / 2.0 kg

〈L1〉

		Ea. Price, ₩
DH.MixM0100	Compact Mixer/Rocker, **"MIXM-100"**, for 230V	387,000
DH.MixM0101	, **"MIXM-101"**, for 120V	387,000

DAIHAN® Programmable Platform Rocker "RK", Digital Feedback Control, 5~50 rpm, with Certi. & Traceability

With 290×200mm or 300×300mm Platform with Non-slip Ruuber Mat, Smooth Start & Wave Motion, Tilt Angle ±6°/±9°

디지털 락커, 디지털 피드백 컨트롤 시스템, 부드러운 시동 동작 및 속도 조절

CE 5~50rpm

2-Year Warranty



(1) 290×200 mm Rocker "RK-1D" with Included Platform



2-Year Warranty

(2) 300×300 mm Rocker "RK-2D" with Second Platform(Optional)

- ■ *Supplied by DAIHAN Korea* ■ *CE Certified* ■ *PL (Product Liability) Insurance*
- ■ *Stainless-steel Platform Comes with Gray Nonslip Rubber Mat*
- ■ *with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System*
- ■ *High Precision Digital Speed Control : 1rpm* ■ *Patented Jog-Shuttle Control System*

* Gel Staining, Destaining, Blotting * Cell Culture, Hybridization, Washing
* Programmable Operation Mode Supported : 10 Steps and 6 Programs
* Digital Timer : Max. 99hr 59min. * Alarm Function : Error Status and Timer-end
* Digital LCD with Back-Light Function for Timer, RPM and Power Bar-Graph
* Smooth Start and Change of Rocking Speed * Overload Protection Function for Motor
* Storage Function for Set Values : RPM and Timer
* Stackable Platform with Pad to Double Mixing Area (Optional)
* Locking Mode supported for Experimental Safety (Input to Jog-Shuttle can be Disabled)

Specifications & Ordering information

〈L1〉

Spec. \ Model		(1) "RK-1D" Platform Size 290×200 mm	(2) "RK-2D" Platform Size 300×300 mm
Dimensions (w×d×h)	Platform (mm)	290×200	300×300
	Overall (mm)	290×240×h150	300×330×h150
Speed Range (rpm)		5 ~ 50	
Angle (degree)		±6 or ±9 (±9 as Factory Default)	
Motor		14W Geared DC Motor	
Program Function		10 Steps, 6 Programs	
Timer & Alarm		99hr 59min (with Continuous run.), Error status & Timer-end	
Display		Digital LCD with Back-Light Function	
Controller		Programmable Digital Feedback Controller with Jog-Shuttle Switch(Turn+Push)	
Safety Circuit		Overload Protector for motor	
Platform (Included)		290×200mm Platform	300×300mm Platform
Others		PL(Product Liability) Insurance Smooth Start and Change of the Stirring Speed for Stable Running Storage Function (RPM, Timer) Locking Mode (Jog-Shuttle Input Disabled) Alarm (Error Status and Timer-end)	
Packing Dimension (w×d×h) (mm)		450×350×250	
Gross Weight		7 kg	8 kg
Power Consumption		35 W	
Electrical Reqts.		Free Voltage (1 Phase, AC 80V~240V, 50/60Hz)	
Cat. No.	230V	DH.WRK01010	DH.WRK01020
	120V	DH.WRK02010	DH.WRK02020
Price, Each. ₩		514,000	535,000

* Other Specifications are available upon Customer's Request.

Optional Second Platform

		Ea. Price, ₩
DH.WRK05011	Second Platform, **"RK5011"**, for **"RK-1D"**, w290×d200, with 4 Pillars(L120mm)	45,000
DH.WRK05021	Second Platform, **"RK5021"**, for **"RK-2D"**, w300×d300, with 4 Pillars(L120mm)	50,000

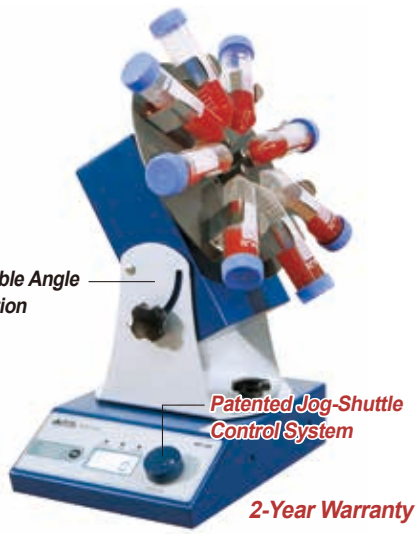
DAIHAN® Programmable Digital Rotator "RT-10", 0~90° Mixing Angle, 5~60rpm, with Certi. & Traceability

With Digital Feedback Control, Adjustable Speed & Angle of Rotation, Continuous or Timed Operation

디지털 로테이터, 디지털 피드백 컨트롤 시스템, 회전각 및 회전속도 조절 가능

CE

5~60rpm



Digital Rotator "RT-10"
(Optional Disk "WRT100" Installed)

- ***Supplied by DAIHAN Korea*** ■ ***CE Certified*** ■ ***PL (Product Liability) Insurance***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
- ***Adjustable Speed and Angle of Rotation : 0 to 90°***
- ***Patented Jog-Shuttle Control System***
- ∗ General Mixing, Diffusing, Dialyzing and Hybridization, Aerating Culture
- ∗ Keeping Biological Samples in Suspension
- ∗ Adjustable Speed and Angle of Rotation : 0 to 90°
- ∗ Digital Feedback Control : Steady and Constant Rotating
- ∗ Continuous or Timed Operation
- ∗ Digital LCD with Back-Light Function
- ∗ Programmable Operation Mode Supported : 10 Steps and 6 Programs
- ∗ Overload Protection for motor
- ∗ Smooth Start and Change of Stirring Speed
- ∗ Storage Function for Set values of RPM and Time
- ∗ Locking Mode Supported for Experimental Safety (Input to Jog-Shuttle can be Disabled)
- ∗ Durable Construction for Long-Term Operation
- ∗ 5 Different Disks and 3 Roller Drums(Optional)
- ∗ Disk for 250㎖ Flask is available

Specifications & Ordering information

〈L1〉

Spec. \ Model	"RT-10"
Speed range	5~ 60 rpm
Angle range	0°~ 90°
Motor	35W
Program Function	10 Steps, 6 Programs
Timer & Alarm	99hr 59min (with Continuous run.), Error status & Timer-end
Display	Digital LCD with Back-Light Function
Controller	Programmable Digital Feedback Controller with Jog-Shuttle
Temp Resistance	Lower than 65℃ (Dry Air)
Safety Circuit	Overload Protector for motor
Dimensions (w×d×h) (mm)	200×250×h260 mm
Weight	6 kg
Others	PL(Product Liability) Insurance Storage Function (RPM, Timer) Locking Mode (Jog-Shuttle Input Disabled) User Self-compensation Function, Alarm (Error Status and Timer-end)
Packing Size (w×d×h) (mm) & Gross Weight	370×240×h430 mm
	8.5 kg
Power Consumption	40 W
Electrical Reqts.	1 Phase, AC 120V, 60Hz or AC 230V, 50 / 60Hz

Cat. No.	230V	DH.WRT00010
	120V	DH.WRT00020
Price, Each. ₩		739,000

∗ Other Specifications are available upon Customer's Request.



(1) Disk "WRT100"
for 8×50㎖ Tubes



(2) Disk "WRT110"
for 16×15㎖ Tubes



(3) Disk "WRT120"
for 32×1.5㎖ Tubes



(4) Disk "WRT130"
for 16×1.5㎖ Tubes



(5) Disk "WRT140"
for 4×250㎖ Flasks



(6) Knob & Post "WRT300"
(Included)

Optional Disk & Roller Drum

			Ea. Price, ₩
DH.WRT00100	(1)	Disk, **"WRT100",** for 50㎖ conical tube×8ea	66,300
DH.WRT00110	(2)	, **"WRT110",** for 15㎖ conical tube×16ea	81,300
DH.WRT00120	(3)	, **"WRT120",** for 1.5㎖ conical/centrifuge Tube×32ea	105,000
DH.WRT00130	(4)	, **"WRT130",** for 1.5㎖ conical/centrifuge Tube×60ea	142,500
DH.WRT00140	(5)	, **"WRT140",** 250㎖ Flask-capacity×4ea	47,500

Spare Knob & Post

		Ea. Price, ₩
DH.WRT00300	(6) 4×knobs & 4×Post, **"WRT300",** for Installing Disk	57,500

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description

DAIHAN® Digital Vibrating Sieve Shaker "SKS-208", Acceptable Φ100~203mm Sieves

Capa-8 Sieves Φ200/203×h50mm, Ideal for Sieving · Classifying · Filtering, CE Certified, 시브쉐이커, 최대 8단, Φ200/303

NEW

CE



8-Layer Test Sieve

1-Year Warranty

8 Sieves Φ200/203×h50mm



Spare; Accesory Kit

■ ***Supplied by DAIHAN Korea*** ■ ***CE Certified***

■ ***강력한 진동으로 시료의 체 분리에 이상적이며 화학 산업 및 연구소 체 시험에 적합***

■ ***Ideal for Effective Sieving, Classifying and Filtering Materials in the Test Sieve in Chemical Industry and Lab.***

■ ***Φ100 · Φ200 · Φ203mm 시브를 수용할 수 있으며, Φ200(203×h50mm) 시브는 8개까지 팬과 커버와 함께 수용됨.***
Max. 8-Layer Test Sieve Φ200 (203×h50mm Including the Sieve Pan & Cover) can be Placed.

■ ***Not Including Sieves***

* High Efficiency, Elaborate Design and Durable
* Any Powder or Liquid can be Sieved
* Can be Shut Down Automatically at Time.
* Can Experiment Repeatedly.
* Full Functionality and Simpler Operation.
* Timer Range : within 0~99min. and 0~59sec
* Wooden Packing

※ Must be Tightened the Locking Nuts on both Sides to Prevent Sieve's Departure.

Specifications & Ordering information

<L1>

Spec. \ Model	"SKS-208"
Acceptable Sieves	Φ100~203mm
Capacity	8 Sieves of Φ200/203×h50mm
Motor Power	0.12(0.15 Common Motor)kw
Noise	Less than 50dB
Amplitude	0~3mm
Vibration Frequency	1400 Vibrations/min (Approx. 23Hz)
Dimensions (w×d×h) & Weight	350×380×h300mm, 35kg
Power Supply	230V, 60Hz
Cat. No. 60Hz	DH.SKS208
Price, Each. ₩	2,700,000

Spare Accessory Kit

		Ea.	Price, ₩
DH.SKS2081	Accessory kit (2×Rod, 1×Rod Jig, 4×Clamps) for SKS-208		632,820

CE



(1)



(2)



(3)

CISA® Premium Electromagnetic Sieve Shaker "BA200N" & "RP200N", for Sieve Φ60~203mm

Digital 3D Movement, Dry & Wet Sieving, Noiseless, 3차원 운동의 전자기 시브 쉐이커

■ ***Supplied by CISA® in Spain***

■ ***강력한 회전운동 및 수직운동의 3D 모션으로 체분석에 이상적***

■ ***CE Certified*** ■ ***Traceability and Certificate : Controlled by Serial No.***

■ ***3-D : Vertical · Amplitude · Roating Powerful Movement and Noiseless, Easy Sieving Process.***

* The Latest Technology with Intermittent Sieving
* 3-Dimensional Movement & Digital Timer with Countdown
* Includes the System "CISA-PRESS" Closure with a Closing System of the Column of Sieves with Fixtures Bars, Stainless-steel
* Suitable for Both Dry and Wet Sieving, by Adapting the Special Kit. (Optional Wet Sieving Kit)
* No Maintenance : Strong, Reliable and Polyvalent
* Four Programs, For Different Kinds of Sieving
* Universal Supply : 230V- 50Hz/60Hz (Optionally 120V-50Hz)
* Wooden Packing
* Φ200 Sieve & Φ203 Sieve are not Stackable

(1) Digital Sieve Shaker "BA200N", Max. Amplitude 2.0mm

* Recommended for Materials with Density > 0.8gr/cm³
* Capacity : 1) 8 sieves of Φ203×h50mm, 2) 15 sieves of Φ203×h25mm

<L1>

Item No.	Diameters stackable Sieves	Maximum Amplitude	Maximum Sample	Dimensions	Net Weight	Ea. Price, ₩
CE.BA200N	Φ60~203mm	2.0mm	3kg	400×310×h130mm	27kg	3,930,520

(2) Digital Sieve Shaker "RP200N", Max. Amplitude 2.5mm

* Recommended for Chemical & Pharmaceutical Laboratories and all the Fields that Require the Granulometric Test of Precision
* Noiseless, It doesn't Transmit Vibration to the Environment
* Capacity : 1) 8 sieves of Φ203×h50mm, 2) 15 sieves of Φ203×h25mm

Item No.	Diameters stackable Sieves	Maximum Amplitude	Maximum Sample	Dimensions	Net Weight	Ea. Price, ₩
CE.RP200N	Φ60~203mm	2.5mm	3kg	455×355×h155mm	45kg	5,033,180

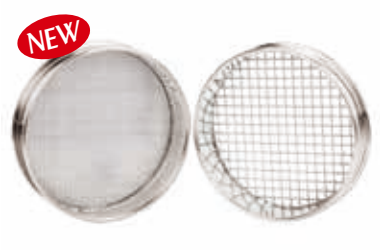
Accessory for Sieve Shaker

		Ea.	Price, ₩
CE.FIT.KIT	(3) Spare ; Top Sieving Clamp, for Φ203mm, Stainless-steel		776,870
CE.1000003	Option ; Wet sieving Kit(cover/pan) for Φ200/203mm		953,290

Articles	Cat. No	Description

DAIHAN® Φ200×h50mm All Stainless-steel Standard Test Sieve, with Stainless-steel Mesh-Holes(■) NEW

표준망체, 스테인레스 메쉬홀(■), ASTM/ISO 규격에 준함.



Dia Φ200×h50mm Sieve





Cover & Pan Set

■ *Supplied by DAIHAN Korea* ■ *Made of Stainless-steel #304*

■ *다양한 크기의 구멍을 가진 시브를 조합하여 시브쉐이커를 활용하여 다양한 크기의 입자를 분류 및 분석에 이상적*

* According to ASTM and ISO Specification * Standard-type for Laboratory and Industry
* High Degree of Corrosion Resistance and Easy Cleaning
* Φ200 Sieve & Φ203 Sieve are not Stackable

(1) with 6.30 ~ 125.00mm Large Opening

<L1>

Cat. No	ASTM	Sieve Opening	Price, ₩
DH.Sie7011	5″	125.00 mm	73,530
DH.Sie7012	4.24″	106.00 mm	73,530
DH.Sie7014	4″	100.00 mm	73,530
DH.Sie7015	3″	75.00 mm	73,530
DH.Sie7016	2.5″	63.00 mm	73,530
DH.Sie7017	2.12″	53.00 mm	73,530
DH.Sie7019	1.75″	45.00 mm	73,530
DH.Sie7020	1.5″	37.50 mm	73,530
DH.Sie7021	1.25″	31.50 mm	73,530
DH.Sie7022	1.06″	26.50 mm	73,530

Cat. No	ASTM	Sieeve Opening	Price, ₩
DH.Sie7023	1.00″	25.00 mm	73,530
DH.Sie7025	0.75″	19.00 mm	73,530
DH.Sie7026	0.625″	16.00 mm	73,530
DH.Sie7027	0.530″	13.20 mm	73,530
DH.Sie7028	0.5″	12.50 mm	73,530
DH.Sie7029	0.438″	11.20 mm	73,530
DH.Sie7030	0.375″	9.50 mm	73,530
DH.Sie7031	0.313″	8.00 mm	73,530
DH.Sie7032	0.265″	6.70 mm	73,530
DH.Sie7033	0.25″	6.30 mm	77,850

(2) with 20㎛ ~ 5.60mm Small Opening

Cat. No	ASTM	Sieeve Opening	Price, ₩
DH.Sie7034	No. 3.5	5.60 mm	77,850
DH.Sie7035		5.00 mm	77,850
DH.Sie7036	No. 4	4.75 mm	77,850
DH.Sie7038	No. 5	4.00 mm	77,850
DH.Sie7040	No. 6	3.35 mm	77,850
DH.Sie7041		3.15 mm	77,850
DH.Sie7042	No. 7	2.80 mm	77,850
DH.Sie7043		2.50 mm	77,850
DH.Sie7044	No. 8	2.36 mm	68,870
DH.Sie7045		2.24 mm	74,850
DH.Sie7046	No.10	2.00 mm	68,870
DH.Sie7047		1.80 mm	74,850
DH.Sie7048	No.12	1.70 mm	68,870
DH.Sie7049		1.60 mm	74,850
DH.Sie7050	No.14	1.40 mm	68,870
DH.Sie7051		1.25 mm	74,850
DH.Sie7052	No. 16	1.18 mm	68,870
DH.Sie7054	No.18	1.00 mm	68,870
DH.Sie7055		900 ㎛	74,850
DH.Sie7056	No.20	850 ㎛	68,870
DH.Sie7057		800 ㎛	74,850
DH.Sie7058	No.25	710 ㎛	68,870
DH.Sie7059		630 ㎛	74,850
DH.Sie7060	No.30	600 ㎛	68,870
DH.Sie7061		560 ㎛	74,850
DH.Sie7062	No.35	500 ㎛	68,870
DH.Sie7063		450 ㎛	74,850
DH.Sie7064	No.40	425 ㎛	68,870
DH.Sie7065		400 ㎛	74,850
DH.Sie7066	No.45	355 ㎛	68,870

Cat. No	ASTM	Sieeve Opening	Price, ₩
DH.Sie7067		315 ㎛	74,850
DH.Sie7068	No.50	300 ㎛	68,870
DH.Sie7069		280 ㎛	74,850
DH.Sie7070	No.60	250 ㎛	68,870
DH.Sie7071		224 ㎛	74,850
DH.Sie7072	No.70	212 ㎛	71,860
DH.Sie7073		200 ㎛	77,850
DH.Sie7074	No.80	180 ㎛	74,850
DH.Sie7075		160 ㎛	80,840
DH.Sie7076	No.100	150 ㎛	77,850
DH.Sie7077		140 ㎛	83,840
DH.Sie7078	No.120	125 ㎛	80,840
DH.Sie7079		112 ㎛	86,820
DH.Sie7080	No.140	106 ㎛	83,840
DH.Sie7081		100 ㎛	86,820
DH.Sie7082	No.170	90 ㎛	86,820
DH.Sie7083		80 ㎛	92,810
DH.Sie7084	No.200	75 ㎛	89,820
DH.Sie7085		71 ㎛	95,810
DH.Sie7086	No.230	63 ㎛	92,810
DH.Sie7087		56 ㎛	98,800
DH.Sie7088	No.270	53 ㎛	104,790
DH.Sie7089		50 ㎛	146,700
DH.Sie7090	No.325	45 ㎛	146,700
DH.Sie7091		40 ㎛	182,630
DH.Sie7092	No.400	38 ㎛	182,630
DH.Sie7093		36 ㎛	200,600
DH.Sie7094	No.450	32 ㎛	260,460
DH.Sie7095	No.500	25 ㎛	338,310
DH.Sie7096	No.635	20 ㎛	398,180

Optional Cover & Pan Set

		Ea. Price, ₩
DH.Sie7100	Sieve-Cover & pan set	53,730

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description

DAIHAN® Φ203×h41mm Standard Test Sieve, with Stainless-steel Mesh-Holes(■) & Brass-Frame

표준망체, 스테인레스 메쉬홀(■) 황동틀, KS/ASTM/ISO 규격에 준함.



Dia Φ203×h41mm Sieve





Cover & Pan Set

■ ***Supplied by DAIHAN Korea***

- Consist of Brass-frame with Stainless-steel mesh
- Dia Φ203×h41mm for Domestic Business KS.A
- Φ200 Sieve & Φ203 Sieve are not Stackable
- According to KS.A, ASTM and ISO 3310 Specification
- Standard-type for Laboratory and Industry
- Other sizes available : On request

※ **Note : Only Sieving mesh is Fulfilled all of KS, ASTM and ISO Specification**

Φ203×H41mm Standard Test Sieves

∗ Same Specifications ASTM & ISO standard, but Sieve-height is different. 〈L2〉

Cat. No.	ASTM No.	Sieve Opening Size	Ea. Price, ₩
DH.Si8001	5″	125 mm	79,800
DH.Si8002	4″	106 mm	79,800
DH.Si8003	3.5″	90 mm	79,800
DH.Si8004	3″	75 mm	79,800
DH.Si8005	2.5″	63 mm	79,800
DH.Si8006	2″	53 mm	79,800
DH.Si8007	1.75″	45 mm	79,800
DH.Si8008	1.5″	37.5 mm	79,800
DH.Si8009	1.25″	31.5 mm	79,800
DH.Si8010	1.06″	26.5 mm	79,800
DH.Si8011	0.875″	22.4 mm	79,800
DH.Si8012	0.75″	19 mm	79,800
DH.Si8013	0.625″	16 mm	79,800
DH.Si8014	0.5″	13.2 mm	79,800
DH.Si8015	0.438″	11.2 mm	79,800
DH.Si8016	0.375″	9.5 mm	79,800
DH.Si8017	0.313″	8 mm	79,800
DH.Si8018	0.265″	6.7 mm	79,800
DH.Si8019	0.25″	6.35 mm	96,430
DH.Si8020	No.3.5	5.60 mm	96,430
DH.Si8021	-	5.00 mm	96,430
DH.Si8022	No. 4	4.75 mm	96,430
DH.Si8023	No. 5	4 mm	85,290
DH.Si8024	No. 6	3.35 mm	85,290
DH.Si8025	No. 7	2.80 mm	85,290
DH.Si8026	No. 8	2.36 mm	85,290
DH.Si8027	No. 10	2.00 mm	85,290
DH.Si8028	No. 12	1.70 mm	85,290
DH.Si8029	No. 14	1.40 mm	85,290
DH.Si8030	No. 16	1.18 mm	85,290
DH.Si8031	No. 18	1.00 mm	85,290
DH.Si8032	No. 20	850 ㎛	85,290
DH.Si8033	No. 25	710 ㎛	79,800
DH.Si8034	No. 30	600 ㎛	79,800
DH.Si8035	No. 35	500 ㎛	79,800
DH.Si8036	No. 40	425 ㎛	79,800
DH.Si8037	No. 45	355 ㎛	79,800
DH.Si8038	No. 50	300 ㎛	79,800
DH.Si8039	No. 60	250 ㎛	79,800
DH.Si8040	No. 70	212 ㎛	79,800
DH.Si8041	No. 80	200 ㎛	85,290
DH.Si8042	-	180 ㎛	85,290
DH.Si8043	No.100	150 ㎛	85,290
DH.Si8044	No.120	125 ㎛	85,290
DH.Si8045	No.140	106 ㎛	85,290
DH.Si8046	-	100 ㎛	96,430
DH.Si8047	No.170	90 ㎛	96,430
DH.Si8048	No.200	75 ㎛	96,430
DH.Si8049	No.230	63 ㎛	111,230
DH.Si8050	No.270	53 ㎛	148,970
DH.Si8051	No.325	45 ㎛	167,090
DH.Si8052	No.400	38 ㎛	296,770
DH.Si8053	No.450	32 ㎛	389,870
DH.Si8054	No.500	25 ㎛	611,980
DH.Si8055	No.635	20 ㎛	1,486,120

Optional Cover & Pan Set

		Ea. Price, ₩
DH.Si8100	Sieve-Cover & pan set	56,530

Articles	Cat. No	Description

CISA® Φ100×h40mm Premium Certified All Stainless-steel Standard Test Sieve, with WORKS CERTIFICATE & Wire Mesh-holes(■)

With Serial-number, Multi-Use/-Function, **정밀 표준망체, 개별 "보증서" 포함**





Incl. WORKS CERTIFICATE with Serial-number



Certificate of Calibration on requested



Sieve Cover & Pan Set for Dia Φ100mm

■ Supplied by CISA® in Spain ■ The Best Quality/Certification with Serial No. ■ Multi-Use/-Function

∗ Delivered with WORKS CERTIFICATE ∗ According to ASTM & ISO Specifications
∗ Each Sieve is marked with a Serial-number to Ensure Traceability ∗ Highly Accurate and Extremely Stable
∗ Can offer an Innovate Calibration System Known as "IS IS", Issued on Certificate of Calibration (on request)
∗ High Degree of Corrosion Resistance and Easy Cleaning ∗ Suitable for Dry- & Wet-sieving
∗ Weight : 110~150g ∗ For Small Sample Sizes ∗ Recommend Sample Size: Up to 50cm³

〈L1〉

Cat. No	ASTM	Sieve Opening	Price, ₩
CE.0412201	No. 5	4.00 mm	98,190
CE.0412001		3.55 mm	98,190
CE.0411801	No. 6	3.35 mm	98,190
CE.0411601		3.15 mm	98,190
CE.0411401	No. 7	2.80 mm	98,190
CE.0411201		2.50 mm	98,190
CE.0411001	No. 8	2.36 mm	98,190
CE.0410801		2.24 mm	98,190
CE.0410601	No. 10	2.00 mm	98,190
CE.0410401		1.80 mm	98,190
CE.0410201	No. 12	1.70 mm	98,190
CE.0410001		1.60 mm	98,190
CE.0409801	No. 14	1.40 mm	98,190
CE.0409601		1.25 mm	98,190
CE.0409401	No. 16	1.18 mm	98,190
CE.0409201		1.12 mm	98,190
CE.0409001	No. 18	1.00 mm	98,190
CE.0408801		900 ㎛	98,190
CE.0408601	No. 20	850 ㎛	98,190
CE.0408401		800 ㎛	103,340
CE.0408201	No. 25	710 ㎛	103,340
CE.0408001		630 ㎛	103,340
CE.0407801	No. 30	600 ㎛	103,340
CE.0407601		560 ㎛	103,340
CE.0407401	No. 35	500 ㎛	103,340
CE.0407201		450 ㎛	103,340
CE.0407001	No. 40	425 ㎛	103,340
CE.0406801		400 ㎛	103,340
CE.0406601	No. 45	355 ㎛	103,340
CE.0406401		315 ㎛	103,340

Cat. No	ASTM	Sieve Opening	Price, ₩
CE.0406201	No. 50	300 ㎛	103,340
CE.0406001		280 ㎛	103,340
CE.0405801	No. 60	250 ㎛	103,340
CE.0405601		224 ㎛	103,340
CE.0405401	No. 70	212 ㎛	103,340
CE.0405201		200 ㎛	103,340
CE.0405001	No. 80	180 ㎛	107,440
CE.0404801		160 ㎛	107,440
CE.0404601	No. 100	150 ㎛	107,440
CE.0404401		140 ㎛	107,440
CE.0404201	No. 120	125 ㎛	107,440
CE.0404001		112 ㎛	107,440
CE.0403801	No. 140	106 ㎛	107,440
CE.0403601		100 ㎛	107,440
CE.0403401	No. 170	90 ㎛	119,890
CE.0403201		80 ㎛	119,890
CE.0403001	No. 200	75 ㎛	127,890
CE.0402801		71 ㎛	127,890
CE.0402601	No. 230	63 ㎛	144,600
CE.0402401		56 ㎛	144,600
CE.0402201	No. 270	53 ㎛	165,070
CE.0402001		50 ㎛	165,070
CE.0401801	No. 325	45 ㎛	165,070
CE.0401601		40 ㎛	222,870
CE.0401401	No. 400	38 ㎛	222,870
CE.0401201		36 ㎛	222,870
CE.0401001	No. 450	32 ㎛	222,870
CE.0400801	No. 500	25 ㎛	288,840
CE.0400601	No. 635	20 ㎛	681,180

CE.0400000	**Optional ;** for Dia. 100mm Sieves, Sieve-Cover & Pan set for General purpose	159,520
CE.0400003	, Sieve-Cover & Pan set for Wet-sieving	871,480
CE.J100	, Sieve O-ring for sieve stackable sealing	12,820

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description

CISA® Φ60×h18mm Premium Certified All Stainless-steel Standard Test Sieve, with WORKS CERTIFICATE & Wire Mesh-holes(■)

With Serial-number, Multi-Use/-Function, ASTM/ISO Standard, **정밀 표준망체, 개별 "보증서" 포함**



■ ***Supplied by CISA® in Spain*** ■ ***The Best Quality/Certification with Serial No.***

■ ***Multi-Use/-Function***

* Delivered with WORKS CERTIFICATE
* According to ASTM & ISO Specifications
* Each Sieve is marked with a Serial-number to Ensure Traceability
* Can offer an Innovate Calibration System Known as "IS IS", Issued on Certificate of Calibration (on request)
* High Degree of Corrosion Resistance and Easy Cleaning
* Highly Accurate and Extremely Stable
* Suitable for Dry- & Wet-sieving
* Suitable for Field Work
* Weight : 32 ~ 50g
* For Small Sample Sizes
* Recommend Sample Size : Up to 5cm³



Incl. WORKS CERTIFICATE with Serial-number



Certificate of Calibration on requested



Sieve Cover & Pan Set for Dia Φ60mm

〈L1〉

Cat. No	ASTM	Sieve Opening	Price, ₩	Cat. No	ASTM	Sieve Opening	Price, ₩
CE.0110601	No.10	2.00 mm	138,550	**CE.0105401**	No.70	212㎛	138,550
CE.0110401		1.80 mm	138,550	**CE.0105201**		200㎛	138,550
CE.0110201	No.12	1.70 mm	138,550	**CE.0105001**	No.80	180㎛	138,550
CE.0110001		1.60 mm	138,550	**CE.0104801**		160㎛	138,550
CE.0109801	No.14	1.40 mm	138,550	**CE.0104601**	No.100	150㎛	138,550
CE.0109601		1.25 mm	138,550	**CE.0104401**		140㎛	138,550
CE.0109401	No.16	1.18 mm	138,550	**CE.0104201**	No.120	125㎛	138,550
CE.0109201		1.12 mm	138,550	**CE.0104001**		112㎛	145,320
CE.0109001	No.18	1.00 mm	138,550	**CE.0103801**	No.140	106㎛	145,320
CE.0108801		900㎛	138,550	**CE.0103601**		100㎛	145,320
CE.0108601	No.20	850㎛	138,550	**CE.0103401**	No.170	90㎛	145,320
CE.0108401		800㎛	138,550	**CE.0103201**		80㎛	145,320
CE.0108201	No.25	710㎛	138,550	**CE.0103001**	No.200	75㎛	145,320
CE.0108001		630㎛	138,550	**CE.0102801**		71㎛	145,320
CE.0107801	No.30	600㎛	138,550	**CE.0102601**	No.230	63㎛	145,320
CE.0107601		560㎛	138,550	**CE.0102401**		56㎛	145,320
CE.0107401	No.35	500㎛	138,550	**CE.0102201**	No.270	53㎛	145,320
CE.0107201		450㎛	138,550	**CE.0102001**		50㎛	145,320
CE.0107001	No.40	425㎛	138,550	**CE.0101801**	No.325	45㎛	145,320
CE.0106801		400㎛	138,550	**CE.0101601**		40㎛	145,320
CE.0106601	No.45	355㎛	138,550	**CE.0101401**	No.400	38㎛	210,230
CE.0106401		315㎛	138,550	**CE.0101201**		36㎛	210,230
CE.0106201	No.50	300㎛	138,550	**CE.0101001**	No.450	32㎛	210,230
CE.0106001		280㎛	138,550	**CE.0100801**	No.500	25㎛	251,850
CE.0105801	No.60	250㎛	138,550	**CE.0100601**	No.635	20㎛	406,220
CE.0105601		224㎛	138,550				

CE.0100000	**Optional** Φ60 Sieve-Cover & Pan set for General purpose	162,570



※ Sieve Shakers

⇒ See the "Shaker, Sieves" Section!

Articles	Cat. No	Description



(1)

Round-type Mesh Basket, Stainless-steel, with or without Hanging Loop & Handle, Φ205~260mm
Ideal for Washing · Drying · Storage &c., Lightweight, Durable, **원형 메쉬 바구니**

■ ***Made in Korea***

* 과일, 채소 등을 씻어 건조하고 위생적으로 보관하는데 용이
* Good for washing and drying fruits, vegetables, etc.



(2)

(1) with Hanging Loop, without Handle

〈B3〉

		Ea.	Price, ₩
DH.Bas7001	Mesh Basket, Round-type, Stainless-steel, Φ205×h80mm		5,390
DH.Bas7002	, Φ230×h90mm		5,830
DH.Bas7003	, Φ255×h100mm		6,270

(2) with Handle, without Hanging Loop

		Ea.	Price, ₩
DH.Bas7006	Mesh Basket, Round-type, Stainless-steel, Φ205(w/Handle 240)×h80mm		6,270
DH.Bas7007	, Φ230(w/Handle 265)×h90mm		6,990
DH.Bas7008	, Φ260(w/Handle 295)×h100mm		7,870



(1)

Stainless-steel Mesh Strainer, Rustless, with Hanging Loop & Handle, Φ173~275mm
Ideal for Washing · Drying · Storage &c., Lightweight, Durable, **건지기/망체**

■ ***Made in Korea***

* 덩어리진 가루를 곱게 치거나 음식물을 건지고 불순물을 걸러내는데 적합
* with Hanging Loop



(2)

〈B3〉

		Ea.	Price, ₩
DH.Bas7011	(1) Mesh Strainer, Stainless-steel, Φ173×h75×L313mm		5,540
DH.Bas7012	(2) , Φ225×h50×L367mm		6,990
DH.Bas7013	, Φ230×h75×L420mm		7,870
DH.Bas7014	, Φ275×h75×L465mm		8,740



Stainless-steel
Handle-type Sieve

Stainless-steel Mesh Strainer, with Convenient PP Handle, Φ130 & 185mm, **손잡이형 망체**

■ ***Made in Korea***

* PP Handle 125℃ Stable

〈B1〉

		Ea.	Price, ₩
DH.Bas7020	Mesh Strainer, Stainless-steel, Φ130×L295mm		2,300
DH.Bas7021	, Φ185×L345mm		3,060



PET Sieve Brush, with Wood Handle, Bristle Φ25×L50mm, Total Length 210mm
Ideal for Removal Sieve Clogging & Corner, Hair Thickness 0.2~0.4mm, **시브 브러쉬, 체눈 막힘 제거용**

■ ***시브 메쉬에 따라 전용 크기의 브러쉬 사용 가능***

* Material : Bristle/PET(Polyethylene terephthalate), Grip/Wood, Tip/Tin-rolled

〈L2〉

		Ea.	Price, ₩
SL.Bru3041	Sieve Brush, for 400~125 Mesh , Hair Thickness 0.2mm		17,820
SL.Bru3042	, for 100~65 Mesh , Hair Thickness 0.3mm		17,820
SL.Bru3043	, for 55 or less Mesh, Hair Thickness 0.4mm		17,820

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



Blue Silica-gel, 0.5 & 1 kg

Desiccant Indicating-type Blue Silica-gel, Reagent-grade CP, Reusable, 5~10mesh, 0.5 & 1kg

Good for Desiccant-use of Foodstuff · Medical Supplies &c., Non-toxic, Odorless, **청색 실리카겔 건조제**

■ ***When Absorption of Moisture the Color Changing Blue → White***
■ ***Reusable : Revivified to Blue By the Drying of the White Silicagel***

∗ Environment-Friendly ∗ Insoluble in Water.
∗ Excellent Chemical Resistance ∗ CP : Chemical Pure

〈L3〉

Cat. No		Pk.	Price, ₩	Cs.	Price, ₩
DJ.7510.1405	Silica Gel, Blue, CP, 5~10mesh, 500g/PP Bottle	500g	8,780	20pk	
DJ.7510.1400	, 1kg/PP Bottle	1kg	16,200	10pk	



(1) OPP Film Packing



(2) Paper Packing



(3) Non-woven Fabric Packing



(4) PE Bottle Packing

Desiccant Non-Indicating-type White Silica-gel, 1g~500g

Ideal for drying agent of Foodstuff · Medical Supplies &c., **백색 실리카겔 건조제**

∗ Environment-Friendly ∗ Insoluble in Water. ∗ Excellent Chemical Resistance

(1) 1~5g Silica-Gel, Breathable OPP Film Packing

∗ OPP Film : The Excellent Chemical Resistance and Durability

〈L3〉

Cat. No		Pk.	Price, ₩	Cs.	Price, ₩
S19.101	Silica-gel, OPP Film, 35×35mm, 1g	10ea	150	1,200pk	156,000
S19.102	, 45×35mm, 2g	10ea	190	800pk	136,500
S19.103	, 50×50mm, 3g	10ea	280	500pk	121,880
S19.105	, 50×60mm, 5g	10ea	450	400pk	162,500

(2) 5~10g Silica-Gel, Breathable Paper Packing

Cat. No		Pk.	Price, ₩	Cs.	Price, ₩
S19.205	Silica-gel, Paper, 50×60mm, 5g	10ea	420	350pk	130,820
S19.210	, 60×80mm, 10g	10ea	770	160pk	111,800

(3) 20g Silica-Gel, Breathable Non-woven Fabric Packing

Cat. No		Pk.	Price, ₩	Cs.	Price, ₩
S19.320	Silica-gel, Non-woven Fabric, 70×85mm, 20g	10ea	1,680	100pk	154,380

(4) 500g Silica-Gel, PE Bottle Packing, 5~10mesh

Cat. No		Pk.	Price, ₩
DJ.7513.1405	Silica-Gel, White, CP, 5~10mesh, 500g/PE Bottle	500g	7,430



1kg



25kg

Merck® Silica Gel 60, Reliable Silica Gel for Normal-phase Chromatography & Adsorption Process

For Purification/Separation, **최상의 실리카겔, 정제/분리용**

■ ***Supplied by Merck® in Germany.***
■ ***Standardized Silica Gels are widely used in Separation Processes to Purify High Value Compounds in Ton Quantities***

∗ Biopharma/Pharma Production : Purification of APIs, Hormones, Antibiotics, Peptides
∗ Lab Scale Separations : Bulk Silica for a Wide Range of Separations/Purifications on Lab Scale. Packing Material for Flash Cartridges.
∗ Electronic Industry : Purification of Organic Compound and Liquid Crystals.
∗ Cosmetics : Functional Filler/Additive.
∗ CAS No. : 7631-86-9, EC Number : 231-545-4

〈L3〉

Cat. No		Pk.	Price, ₩
MK.107734.1000	Silica Gel 60, 0.063~0.200mm, 70~230 Mesh ASTM, 1kg/Pk	1kg	135,000
MK.107734.9025	, 25kg/Pk	25kg	1,274,070
MK.109385.1000	Silica Gel 60, 0.040-0.063mm, 230-400 Mesh ASTM, 1kg/Pk	1kg	185,630
MK.109385.9025	, 25kg/Pk	25kg	1,746,570

Articles	Cat. No	Description

DAIHAN® Compact Digital Sound Level Meter "SOU3", 40~130dB, 0.1dB/1dB Resolution
With Digital Display (30×35mm) & Bar Graph, Pocket Size Rigid Design, 휴대용 소음계



Pocket-type

■ ***Supplied by DAIHAN Korea***

* Used for Acoustic (sound that travels through air) Measurements, which had been widely used in the HVAC(Heating, Ventilation and Air Conditioning) or Other Industrial Related Application.
* The Most Cost-effective Best Selling Meter
* Auto / Manual Ranging, 4 Measurement Ranges in 10 Steps.
* Fast / Slow Response is selectable.
* A/C Weighting is selectable
* Tripod Mountable
* A weighting enables the Meter to Respond in the Same Manner as the Human Ear.
* C weighting is suitable for Flat Response Measurements with No Increase or Decrease of Amplitude over the Frequency Spectrum.

Specifications & Ordering information

〈L1〉

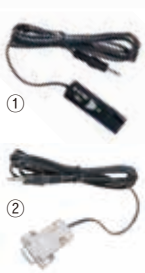
Spec. \ Model	DH.SOU3
2× Measuring Range	(1) A Weight : 40dB ~ 130dB (2) C Weight : 45dB ~ 130dB
Accuracy at 94dB, 1KHz	±2dB
2× Resolution	(1) Digital Display : 0.1dB, (2) Quasi-Analog Bar : 1dB
Digital / Quasi-Analog Display (4 Range)	40 ~ 70dB, 60 ~ 90dB, 80 ~ 110dB, 100 ~ 130dB
Digital-/ Bar Updating Time	160mS / 40mS
Microphone	Dia.6mm Electric Condenser Microphone
Battery / Battery Life Time	AAA×4pcs / 60 Hours Typical
Dimension / Weight(g)	230×57×h44mm(LCD Size : 30×35mm) / 130g
Standard Package	Meter / Battery / Manual / Paper Box
Cat. No. & Price ₩	**DH.Sou3003** — **₩ 78,370 / Set**

DAIHAN® Digital Sound Level Meter "SOU5", with Deluxe Super Large LCD, 30dB~130dB, 0.1dB/1dB Resolution
With Digital Display(42×62mm) & Analog Bar Graph, Max-Min Backlight, 디지털 소음계





Hard Carrying Case



① ②

■ ***Supplied by DAIHAN Korea***

* Meet IEC60651, Type2 Class Standard.
* Max./Min. Recording.
* Tripod Mountable
* Using the Background Noise Absorber.
* A/C Weighting is Selectable.
* Backlight Function to Use in Dark Area.
* Easy to Calibrate by Standard Calibrator
* Automatic Shut off.
* AC/DC Analog Output
* Auto/Manual Ranging, 6 Measurement Ranged in 10 Steps.
* Professional and Rigid Design.
* Freezing the Maximum Sound Level Reading.
* RS232 interface for PC download.
* Easy to Replace Battery.

Specifications & Ordering information

〈L1〉

Spec. \ Model	DH.SOU5
2× Measuring Range	(1) A Weight : 30dB ~ 130dB (2) C Weight : 35dB ~ 130dB
Accuracy at 94dB, 1KHz	±1.5dB
2× Resolution	(1) Digital Display : 0.1dB, (2) Quasi-Analog Bar : 1dB
Digital / Quasi-Analog Display (6 Range)	30 ~ 80dB, 40 ~ 90dB, 50 ~ 100dB, 60 ~ 110dB, 70 ~ 120dB, 80 ~ 130dB
Digital-/ Bar Updating Time	160mS / 40mS
Analog Output	AC 0.707Vrms(at Full Scale) ; DC 10mV/dB
Microphone	Dia.6mm Electric Condenser Microphone
Frequency Range	31.5Hz ~ 8KHz
Battery / Battery Life Time	9V Battery×1pcs. or 9VDC Adaptor / 30 Hours Typical
Dimension & Weight(g)	254×77×h37mm (LCD Size : 42×62mm) / 200g
Standard Package	Meter / Battery / Manual / Carry Case
Cat. No. & Price ₩	**DH.Sou3005** — **₩ 143,280 / Set**

Option ;	**DH.Gas3013.1**	① USB Cable & Software	**₩ 82,290 / Ea**
	DH.Gas3013.2	② RS232 Cable & Software	**₩ 82,290 / Ea**

※ The Price(VAT is extra) for Korean End-user, and Changeable.

SAUTER® Premium Professional Sound Level Meter "SU130", 30~130dB, 0.1dB Readout
With Multi Measuring Functions, Selectable Methods of Evaluation, 프로페셔널 소음계



Professional Sound Level Meter

■ ***Supplied by SAUTER® in Germany***

* Used for Measuring Noise in Areas such as, Environment, Mechanical Applications, Car Industry and much more
* Helps in Differentiating Between Normal Noise Influences, and Excessive Noise, Nuisances e.g. in a Production Hall
* Including Data Interface RS-232
* Delivered in a Robust Carrying Case
* Multi Measuring Functions :
  Lp : Standard Sound Level Measuring Function
  Leq : Energy Equivalent Sound Level Measuring Mode (Type A)
  Ln : Shows the Deviation From a Pre-defined Limit in %
* Selectable Methods of Evaluation :
  A : as Sensitive as the Human Ear
  C : Sensitive for Noisier Environmental Conditions, Where there are Machines, Plant, Motors Etc.
  F : for Areas with Constant Sound Intensity
* Limit Value Function : Programmable Target Value for Go/no-go Test Values
* Track Function for Continuous Recording of Changing Environmental Conditions
* Peak Hold Mode to Capture Peaks
* Internal Memory for Measured Values, for 30 Measurements. Can be Displayed on the PC



Carrying Case

Specifications & Ordering Information

<L1>

Spec. \ Model	SU130		
Type	Lp A	Lp C	Lp F
Measuring range (dB)	30-130	35-130	35-130
Precision	3% of max		
Readout (dB)	0.1		
Battery Operation	Batteries Standard 4×1.5 V AAA		
Dimensions (w×d×h)	236×63×h26mm		
Net Weight Approx.	170 g		
Standard Package	Meter / Battery / Manual / Foam Cover / Carry Case		

Cat. No. & Price ₩		
	SA.SU130	₩ 240,520 / Set

Option ;			
	SA.ATC.01	Data Transfer Software, Interface Cable Included	₩ 193,150 / Ea
	SA.ASU.01	Adjustment Device for Regular Adjustment of the Sound Level Meter	₩ 550,450 / Ea
	SA.ASU.02	Form Windshield	₩ 15,050 / Ea

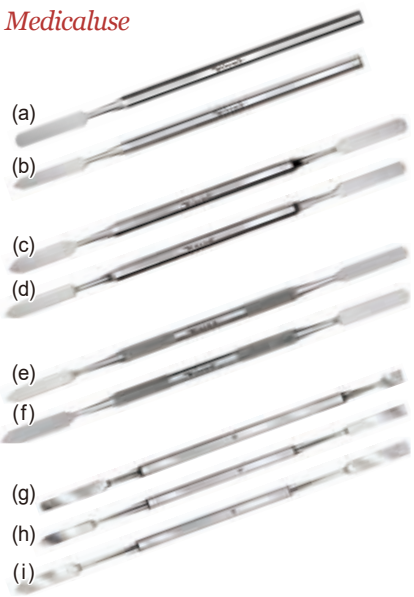
Articles	Cat. No	Description

※ Hammacher® Premium Maintenance Service for Diamond Coating, Sharpening, Refinishing &c.
⇒ See the "Forceps" Section.

Hammacher® Premium Dental Cement Spatula, Wironit™ & Rustproof Stainless-steel, L155~185mm, *Medicaluse*

With Single- & Double-Ended, <Germany-Made> 프리미엄 치과용 시멘트 스패츌러, 연고칼, 독일제 의료용, 비부식

Medicaluse



- ***Germany-made 프리미엄급, 의료용 스패츌러/연고칼, Wironit™ 특수스텐 & Rustproof 스텐제품***
- ***약액 또는 시멘트를 혼합하거나 크라운, 인레이 등을 접착할 때 등 여러 용도로 사용***
- ***(1)~(3) ; Wironit™ Special Stainless-steel of 18/10 Cr-Ni ; Non-magnetic, Rust-free, Anti- Acid · Chemicals · Heat***
- ***(4) ; Rustproof Stainless-steel of 18/8 Chrome-Nickel ; Rust-proof, Anti- Acid · Chemicals · Heat***

∗ Used to Mix and Load Cement and Other Materials into Crowns or Inlay/Onlay Preparations.

<M1>

(1) Single-Ended Wironit™ Special SS, with Octagonal-handle, 비자성 특수스텐

		Ea. Price, ₩
HA.HWH218.00	(a) Cement Spatulas, SS, L155mm, 1 Blade-6×33mm, Stem - Φ5.5mm	47,630
HA.HWH217.00	(b) , L158mm, 1 Blade-6×33mm, Stem - Φ5.5mm	47,630

(2) Double-Ended Wironit™ Special SS, with Octagonal-handle, 비자성 특수스텐

		Ea. Price, ₩
HA.HWH227.00	(c) Cement Spatulas, SS, L182mm, 2 Blade-5×35mm, Stem - Φ4.5mm	52,720
HA.HWH226.00	(d) , 2 Blade-6×35mm, Stem - Φ4.5mm	52,720

(3) Double-Ended Wironit™ Special SS, with Round-handle, 비자성 특수스텐

		Ea. Price, ₩
HA.HWH237.00	(e) Cement Spatulas, SS, L182mm, 2 Blade-5×32mm, Stem - Φ4.5mm	54,850
HA.HWH239.00	(f) , L185mm, 2 Blade-7×37mm, Stem - Φ4.5mm	54,850

(4) Double-Ended Rustproof SS, with Octagonal-handle, 비부식 스텐

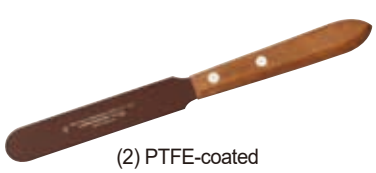
		Ea. Price, ₩
HA.HSH096.00	(g) Cement Spatula, SS, L175mm, 2 Blade-5×30 & 8×10mm, Stem - Φ5.5mm	37,780
HA.HSH098.00	(h) , L178mm, 2 Blade-4×30mm, Stem - Φ4.5mm	35,050
HA.HSH101.00	(i) , L182mm, 2 Blade-6×35mm, Stem - Φ4.5mm	37,050

Hammacher® Premium Mixing Spatula, L165~415mm, *Medicaluse*

Ideal for Mixing Plaster & Alginates, Stainless-steel · PTFE-Coated, High-Polished, <Germany-Made> 프리미엄 믹싱 스패츌러, 연고칼, 독일제, 비부식



(1) Stainless-steel



(2) PTFE-coated

NEW *Medicaluse*



(3) All Stainless-steel

- ***Germany-made 프리미엄급; 비부식, 고강도, 고경도, 내약품성***
- ***(1)&(3) ; Surgical Stainless-steel 420: Rust-proof, High-Strength/Hardness, Chemical Resistance***
- ***(2) ; Teflon PTFE : Anti-Acid · Alkally · Chemicals · Corrosion, MP 260℃***

<L1>

(1) Rustproof SS Spatula, with Wood Handle, Non-Autoclavable, L165~415mm

		Ea. Price, ₩
HA.HSN210.07	Mixing Spatula, Stainless-steel, L165, Blade -14×75mm	9,690
HA.HSN211.10	, L190, -18×100mm	9,870
HA.HSN212.13	, L230, -20×130mm	10,370
HA.HSN213.15	, L250, -22×150mm	10,850
HA.HSN214.20	, L310, -32×200mm	15,290
HA.HSN215.25	, L365, -38×250mm	17,900
HA.HSN216.30	, L415, -42×300mm	21,370

(2) PTFE-coated Spatula, with Wood Handle, Non-Autoclavable, L190 & 230mm

		Ea. Price, ₩
HA.HSN211.10T	PTFE-coated Mixing Spatula, L190, Blade -18×100mm	33,180
HA.HSN212.13T	, L230, -20×130mm	33,180

(3) *Medicaluse* All Rustproof SS Spatula, Autoclavable, L230mm, 의료용 NEW

<M1>

- ***약액을 혼합할 때 사용하며, 석고 및 알자네이트 혼합에도 적합***

		Ea. Price, ₩
HA.HSN218.13	Mixing Spatula, Stainless-steel, L230, Blade -20×130mm	20,980



Glass Spatula

Hammacher® Premium Glass Spatula, L100mm

For Mixing · Ceramic Work, <Germany-Made> 프리미엄 글라스 스패츌러, 독일제

<L1>

		Ea. Price, ₩
HA.HSH563.00	Spatula, Glass, L100, Blade-2×7mm	3,130



Hammacher® Premium Glass Mixing Slab, 95×70×h6mm

For Mixing Paste Materials, <Germany-Made> 프리미엄 글라스 믹싱 슬래브, 독일제

<L1>

∗ Polished-glass Mixing Pads with Beveled Edges

		Ea. Price, ₩
HA.HSL751.00	Glass Mixing Slab, 95×70×h6mm	8,220

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Hammacher® Premium Tapered Blade Handy Spatula, Rustproof Stainless-steel, L180~230mm

With Wooden Handle · Flexible Blade, Long-Lifetime, High-Polished, <Germany-Made> 프리미엄 테이퍼드 핸디 스패출러, 연고칼, 독일제, 비부식



Spatula-Knife, L180~230mm

＊ 18/8 Stainless-steel; Rust-proof, Anti-Acid · Chemicals · Heat

〈L1〉

		Ea.	Price, ₩
HA.HSN220.08	Spatula-Knife, Stainless-steel, L180, Blade - 10~15×80mm		57,140
HA.HSN221.10	, L205, - 10~18×105mm		58,470
HA.HSN222.13	, L230, - 10~20×130mm		59,440

High Grade Stainless-steel Blade Handy Spatula, Popular-model, L150~415mm

With Normal- & Mini-Blade, 인기형 핸디 스패출러, 연고칼, 비자성/비부식



(1) Normal Handy Spatula



(2) with Mini-Blade & Wood Handle

■ ***Supplied by SciLab Korea***　＊ 18/10 Stainless-steel; Non-magnetic, Rust-free, Anti-Acid · Chemicals · Heat

〈L1〉

(1) Normal Handy Spatula, with Plastic Handle

		Ea.	Price, ₩
SL.Spa7061	Handy Spatula, w/Plastic-handle, Stainless-steel, L165, Blade-15×75mm		5,400
SL.Spa7062	, L190, -18×100mm		5,670
SL.Spa7063	, L230, -20×130mm		5,940
SL.Spa7064	, L250, -23×150mm		6,200
SL.Spa7065	, L275, -27×200mm		6,750
SL.Spa7066	, L310, -31×200mm		7,290
SL.Spa7067	, L365, -39×250mm		7,830
SL.Spa7068	, L415, -42×300mm		9,430

(2) with Mini-Blade & Wood Handle

		Ea.	Price, ₩
SL.Spa7071	Handy Spatula, Mini, w/Wood-handle, Stainless-steel, L150, Blade-10×50mm		5,400
SL.Spa7072	-15×50mm		5,940
SL.Spa7073	-20×50mm		6,470



Handy Knife/Spatula
L225~295mm

SciLab® Eco Stainless-steel Blade Handy Spatula, L225~295mm

With Normal Blade and PP Handle, Flat-type, 핸드 나이프/스패출러

■ ***Made in Korea***

〈L1〉

		Ea.	Price, ₩
SL.Spa7101	Spatulas, Flat, Stainless-steel, w20×L225mm		2,400
SL.Spa7102	, w22×L250mm		2,850
SL.Spa7103	, w25×L295mm		3,250

KDY 산업용 스텐 헤라, Putty Knife, Stainless-steel, for Industry

다국적

■ ***Strurdy PVC Handle and Stainless-steel Blade***
■ ***Strengthening of Scraper Function***

경화형 (1) Stability-type, 견고형



(1) Stability-type

〈B3〉

ORDER NO.	MODEL NO.	Blade Width inch	포장단위 Ea. / Pk.	PRICE, ₩ Ea.
① 0444-100	KHR-114	1-1/4"	1 / 12	1,770
② 0444-101	KHR-02	2"	1 / 12	2,170
③ 0444-102	KHR-03	3"	1 / 12	2,490
④ 0444-103	KHR-04	4"	1 / 12	2,750
⑤ 0444-104	KHR-05	5"	1 / 6	3,340
⑥ 0444-105	KHR-06	6"	1 / 6	3,790

유연형 (2) Flexibility-type, 유연형



(2) Flexibility-type

ORDER NO.	MODEL NO.	Blade Width inch	포장단위 Ea. / Pk.	PRICE, ₩ Ea.
① 0469-280	KHR-02F	2"	1 / 12	1,730
② 0469-281	KHR-03F	3"	1 / 12	1,830
③ 0469-282	KHR-04F	4"	1 / 12	2,320
④ 0469-283	KHR-05F	5"	1 / 6	2,560
⑤ 0469-284	KHR-06F	6"	1 / 6	2,850

Articles	Cat. No	Description

Hammacher® Premium Micro Double-Spatulas, L100~210mm

Rustproof Stainless-steel · PTFE-coated · 99.5% Nickel, <Germany-Made> 프리미엄 마이크로 양면 스패츌러, 독일제



HSN002.13

(1) Stainless-steel

(1) Rustproof 18/8 Stainless-steel Micro Double Spatula, L100~210mm

∗ 18/8 Stainless-steel; Rust-proof, Anti-Acid · Chemicals · Heat, MP 1400℃

〈L1〉

		Ea.	Price, ₩
HA.HSN001.10	Micro Double Spatula, SS, L100, 2 Blade -2×30, Stem-Φ1.2mm		3,470
HA.HSN006.10	, L100, -3×35, -Φ1.8mm		4,620
HA.HSN002.13	, L130, -2×40, -Φ1.2mm		3,950
HA.HSN007.13	, L130, -3×40, -Φ1.8mm		4,940
HA.HSN003.15	Micro Double Spatula, SS, L150, 2 Blade -2×40, Stem-Φ1.2mm		4,940
HA.HSN008.15	, L150, -3×40, -Φ1.8mm		5,120
HA.HSN037.15	, L150, -6×40, -Φ2.5mm		5,430
HA.HSN009.18	, L185, -3×50, -Φ1.8mm		5,270
HA.HSN038.18	, L185, -6×50, -Φ2.5mm		5,600
HA.HSN039.21	, L210, -6×55, -Φ2.5mm		5,770



HSN008.15T

(2) PTFE-coated

(2) PTFE-coated Micro-Double Spatula, L150~210mm

∗ Teflon PTFE ; Anti-Acid · Alkally · Chemicals · Corrosion, MP 260℃

		Ea.	Price, ₩
HA.HSN008.15T	PTFE-coated Micro Double Spatula, L150, 2 Blade -3×40, Stem-Φ1.8mm		21,690
HA.HSN017.18T	, L185, -4×50, -Φ2.0mm		22,680
HA.HSN029.18T	, L185, -5×50, -Φ2.0mm		26,620
HA.HSN039.21T	, L210, -6×55, -Φ2.5mm		25,470



Micro Scoop-Spatula

Hammacher® Premium Micro Scoop-Spatula, Rustproof Stainless-steel, L150 & 185mm

Finished Surface, <Germany-Made> 프리미엄 마이크로 스쿠프-스패츌러, 독일제, 비부식

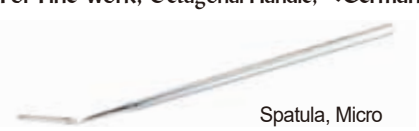
∗ 18/8 Stainless-steel; Rust-proof, Anti-Acid · Chemicals · Heat

〈L1〉

		Ea.	Price, ₩
HA.HSN011.15	Micro Scoop-Spatula, SS, L150, Blade - 3×40, Stem - Φ1.8mm		7,400
HA.HSN012.18	, L185, - 3×50, - Φ1.8mm		8,390

Hammacher® Premium Micro Powder Spatula, Wironit™ Special Non-magnetic/Rust-proof Stainless-steel, L140mm

For Fine Work, Octagonal-Handle, <Germany-Made> 프리미엄 분말용 마이크로 스패츌러, 독일제, 비자성/비부식 특수스텐



Spatula, Micro

∗ 18/8 Stainless-steel; Rust-proof, Anti-Acid · Chemicals · Heat

〈L1〉

		Ea.	Price, ₩
HA.HWN005.03	Spatula, Micro Powder, L140mm, 3×20mm Blade		25,290
HA.HWN007.05	, 5×20mm Blade		25,290

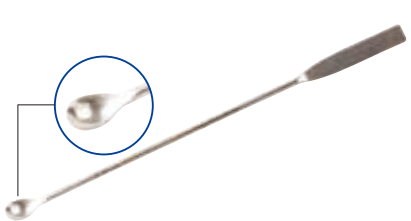


Micro Spoon-Spatula, High Grade Stainless-steel, L150~200mm

With Bowl 3×5~5×9, Non-magnetic, 마이크로 스패츌러-스푼, 비자성/비부식

■ ***Supplied by SciLab Korea*** ∗ 18/10 Stainless-steel; Non-magnetic, Rust-free, Anti-Acid · Chemicals · Heat 〈L1〉

		Ea.	Price, ₩
SL.Spa7011	Micro Spoon-Spatula, L150, Bowl-3×5, Blade-5×50, Stem-Φ2.5 mm		3,780
SL.Spa7012	, L150, -5×7, -5×50, -Φ2.5 mm		3,780
SL.Spa7013	, L180, -5×9, -5×50, -Φ2.5 mm		3,780
SL.Spa7014	, L200, -5×9, -5×50, -Φ2.5 mm		4,880



Micro Spatula-Spoon : L100~210mm

Hammacher® Premium Micro Spoon-Spatula, Rustproof Stainless-steel, L100~210mm

High-Polished, <Germany-Made> 프리미엄 마이크로 스푼-스패츌러, 독일제, 비부식

∗ 18/8 Stainless-steel; Rust-proof, Anti-Acid · Chemicals · Heat

〈L1〉

		Ea.	Price, ₩
HA.HSN424.10	Micro Spatula-Spoon, SS, L100, Blade - 7×30, Spoon - 7×10mm		9,380
HA.HSN061.15	, L150, - 6×40, - 5×7mm		8,550
HA.HSN425.15	, L150, - 7×45, - 7×10mm		8,220
HA.HSN062.18	, L185, - 6×50, - 5×7mm		8,890
HA.HSN426.18	, L185, - 7×50, - 7×10mm		8,550
HA.HSN063.21	, L210, - 6×55, - 5×7mm		9,380
HA.HSN427.21	, L210, - 7×55, - 7×10mm		9,200

※ The Price(VAT is extra) for Korean End-user, and Changeable.



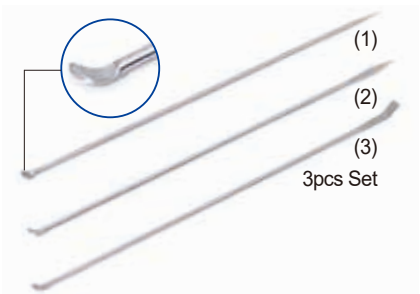
Micro Bented Spoon-Spatula, Made of Stainless-steel, L125~220mm

With 1-side Bented Blade Tip, 마이크로 곡형 스푼-스패출러, 비자성/비부식

<L1>

∗ Non-magnetic, Rust-free, Anti-Acid · Chemicals · Heat

		Ea.	Price, ₩
SL.Spa7108	Spatula-Spoon, L125, Bowl-5×6, Blade-5×26, Stem-Φ3mm		1,780
SL.Spa7109	, L155, -5×6, -5×26, -Φ3mm		1,930
SL.Spa7110	, L180, -5×6, -5×26, -Φ3mm		2,080
SL.Spa7111	, L200, -5×6, -5×26, -Φ3mm		2,230
SL.Spa7112	, L220, -5×6, -5×26, -Φ3mm		2,230



3-type Micro Spoon-Spatula Set, with (1)Needle-/(2)Sharp-/(3)Bented-Spatula type, L220mm

Made of Stainless-steel, Rustless, Polished, 3-type 마이크로 스푼-스패출러

■ ***Supplied by SciLab Korea***

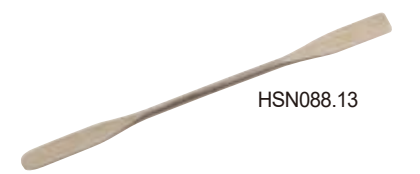
<L1>

∗ 3-type Micro Spoon-Spatula Set : (1) Needle-, (2) Sharp-, (3) Bented- Spatula types

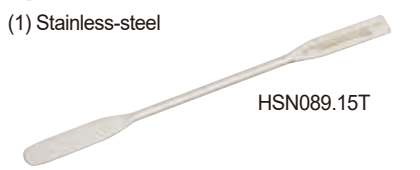
		Set.	Price, ₩
SL.Spo7068	3-type Spoon-Spatula Set, L220mm, bowl-Φ5×6mm, blade (1) Φ3×20 mm (2) 6×30 mm (3) 7×28 mm	3ea	7,730

Hammacher® Premium Double-Spatula, L130~500mm

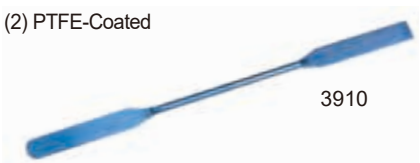
Rustproof Stainless-steel · PTFE-coated · TITANIUM, <Germany-Made> 프리미엄 고품질 양면 스패출러, 독일제, 비부식



(1) Stainless-steel



(2) PTFE-Coated



(3) High-temp TITANIUM

(1) Rustproof 18/8 Stainless-steel Double Spatula, L130~500mm

<L1>

∗ 18/8 Stainless-steel; Rust-proof, Anti-Acid · Chemicals · Heat, MP 1400℃

		Ea.	Price, ₩
HA.HSN088.13	Double Spatula, SS, L130, 2 Blade - 9×45, Stem - Φ3.0mm		4,450
HA.HSN089.15	, L150, - 10×50, - Φ3.5mm		4,450
HA.HSN090.18	, L185, - 10×55, - Φ3.5mm		5,270
HA.HSN091.21	, L210, - 11×60, - Φ4.0mm		5,430
HA.HSN092.25	, L250, - 11×60, - Φ4.0mm		5,930
HA.HSN095.30	, L300, - 15×70, - Φ5.0mm		10,200
HA.HSN096.35	, L350, - 15×70, - Φ5.0mm		11,840
HA.HSN097.40	, L400, - 20×70, - Φ6.0mm		14,300
HA.HSN098.50	, L500, - 20×70, - Φ6.0mm		17,420

(2) PTFE-coated Double Spatula, L130~210mm

∗ Teflon PTFE : Anti-Acid · Alkally · Chemicals · Corrosion, MP 260℃

		Ea.	Price, ₩
HA.HSN088.13T	PTFE-coated Double Spatula, L130, 2 Blade - 9×45, Stem-Φ3.0mm		21,690
HA.HSN089.15T	, L150, -10×50, -Φ3.5mm		22,990
HA.HSN090.18T	, L180, -10×55, -Φ3.5mm		24,640
HA.HSN091.21T	, L210, -11×60, -Φ4.0mm		25,470

(3) Bochem® High-Temp TITANIUM Double Spatula, L210mm

∗ Fine Titan : High-Temp & - Strength, Low-Weight Sp.4.5g/cm³, MP 1,668℃
∗ Anti-Acid · Alkally · Chemicals · Corrosion, and Bent Thermal Stability.

		Ea.	Price, ₩
BC.3910	Titan Double Spatula, L210, 2 Blade - 11×60, Stem - Φ4mm		89,830



(1) Normal Double Spatula



(2) "Chattaway" Double Spatula

General Purpose Double-Spatula & Chattaway Spatula, High Grade Stainless-steel

L130~500mm, Finished Surface, MP-1400℃, 스텐 양면 스패출러, 비자성/비부식

■ ***Supplied by SciLab Korea*** ∗ 18/10 Stainless-steel; Non-magnetic, Rust-free, Anti-Acid · Chemicals · Heat

<L1>

(1) Normal Double Spatula, L130~L500mm

		Ea.	Price, ₩
SL.Spa7021	Double Spatula, SS, L130, 2 Blade- 9×40 , Stem-Φ3mm		3,200
SL.Spa7022	, L150, - 9×45 , -Φ3mm		3,430
SL.Spa7023	, L185, - 9×50 , -Φ3mm		3,650
SL.Spa7024	, L210, -11×60 , -Φ3mm		4,120
SL.Spa7025	, L250, -11×70 , -Φ6mm		4,570
SL.Spa7026	, L300, -16×75 , -Φ6mm		5,700
SL.Spa7027	, L350, -16×85 , -Φ6mm		6,840
SL.Spa7028	, L400, -16×100, -Φ6mm		8,200
SL.Spa7029	, L500, -20×100, -Φ8mm		11,390

(2) "Chattaway" 1-side Bented Blade Tip, L130~L200mm

		Ea.	Price, ₩
SL.Spa7031	Chattaway Double Spatula, SS, L130, 2 Blade-9×45 , Stem-Φ3.5mm		2,740
SL.Spa7032	, L150, -10×50, -Φ3.5mm		3,000
SL.Spa7033	, L180, -9×60 , -Φ3.5mm		3,270
SL.Spa7034	, L200, -9×72 , -Φ3.5mm		3,530

Articles	Cat. No	Description



Curved End Double Spatula, High Grade Stainless-steel, L130~210mm
Non-magnetic, Finished Surface, **곡형 양면 스패출러, 비자성/비부식**

■ ***Supplied by SciLab Korea***

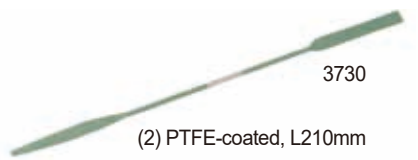
∗ 18/10 Stainless-steel; Non-magnetic, Rust-free, Anti-Acid · Chemicals · Heat

〈L1〉

		Ea. Price, ₩
SL.Spa7036	Spatula, Curved Ended, SS, L130, 2 Blade-10×40, Stem-Φ4mm	3,270
SL.Spa7037	, L150, -11×45, -Φ4mm	3,780
SL.Spa7038	, L180, -11×50, -Φ4mm	4,320
SL.Spa7039	, L210, - 7×55, -Φ4mm	5,400


3170

(1) 18/10Stainless-steel, L160 & 210mm


3730

(2) PTFE-coated, L210mm

Bochem® 1-side Tapered Double Spatula, L160 & L210mm
High Grade Stainless-steel & PTFE-coated, **일면 테이퍼드 양면 스패출러, 비자성/비부식**

■ ***Supplied by Bochem® in Germany***

(1) High Grade 18/10 Stainless-steel Spatula, L160mm & L210mm

∗ 18/10 Stainless-steel; Non-magnetic, Rust-free, Anti-Acid · Chemicals · Heat, MP 1400℃

〈L1〉

		Ea. Price, ₩
BC.3175	1-side Taper / Double Spatula, SS, L160, 2 Blade - 9×50, Stem - Φ3.5mm	9,770
BC.3170	, L210, - 7×50, - Φ2.5mm	9,770

(2) PTFE-coated Spatula, L210mm

∗ Teflon PTFE ; Anti-Acid · Alkally · Chemicals · Corrosion, MP 260℃

		Ea. Price, ₩
BC.3730	PTFE-coat, 1-side Taper / Double Spatula, L210, 2 Blade - 7×50, Stem - Φ2.5mm	70,620



Rigid Flat-type Double Spatula, High Grade Stainless-steel, L120~300mm
For Heavy-duty, **스텐 양면 스패출러, 비자성/비부식**

■ ***Supplied by SciLab Korea***

∗ 18/10 Stainless-steel; Non-magnetic, Rust-free, Anti-Acid · Chemicals · Heat

〈L1〉

		Ea. Price, ₩
SL.Spa7041	Double Spatula, Stainless-steel, L120, 2 Blade-20×25, Stem-w 8mm	2,740
SL.Spa7042	, L150, -16×30, -w 9mm	3,270
SL.Spa7043	, L180, -19×34, -w10mm	4,320
SL.Spa7044	, L210, -25×30, -w14mm	5,400
SL.Spa7045	, L250, -30×44, -w14mm	6,470
SL.Spa7046	, L300, -40×50, -w18mm	8,090


(1)


(2)

Semi Micro Half-round Scoop & Spatula, High Grade Stainless-steel, L130~210mm
Non-magnetic, High Polished, **미니 스텐 스쿠프-스패출러, 비자성/비부식**

∗ 18/10 Stainless-steel; Non-magnetic, Rust-free, Anti-Acid · Chemicals · Heat

(1) Slender Stem-type

〈L1〉

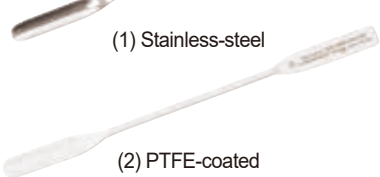
		Ea. Price, ₩
SL.Sco7001	Scoop-Spatula, Stainless-steel, L130, Blade-9×40, Stem-Φ3.7mm	3,000
SL.Sco7002	, L150, -9×45, -Φ3.3mm	2,740
SL.Sco7003	, L185, -9×50, -Φ3.3mm	3,270
SL.Sco7004	, L210, -9×50, -Φ3.3mm	4,320

(2) Bochem® Thin-Wide Stem-type

∗ Supplied by Bochem® in Germany

		Ea. Price, ₩
BC.3360	Mini Scoop, Stainless-steel, L170, Bowl-10×40, Stem thick-1mm	6,650


(1) Stainless-steel


(2) PTFE-coated

Hammacher® Premium Scoop-Spatula, with Half Round Scoop, L150 & 210mm
Rustproof Stainless-steel & PTFE-coated, **<Germany-Made> 프리미엄 스쿠프-스패출러, 독일제, 비부식**

(1) Rustproof 18/8 Stainless-steel Scoop-Spatula, L150 & 210mm

∗ 18/8 Stainless-steel; Rust-proof, Anti-Acid · Chemicals · Heat, MP 1400℃

〈L1〉

		Ea. Price, ₩
HA.HSN075.15	Scoop-Spatula, Stainless-steel, L150, Blade-10×50, Stem-Φ3.0mm	5,770
HA.HSN077.21	, L210, -10×50, -Φ3.0mm	6,740

(2) PTFE-coated Scoop-Spatula, L150mm

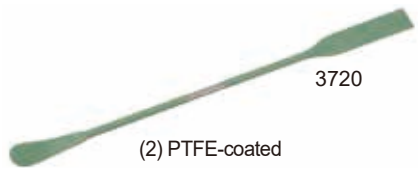
∗ Teflon PTFE ; Anti-Acid · Alkally · Chemicals · Corrosion, MP 260℃

		Ea. Price, ₩
HA.HSN075.15T	Scoop-Spatula, PTFE-coated, L150, Blade-10×50, Stem-Φ3.0mm	22,020

※ The Price(VAT is extra) for Korean End-user, and Changeable.



(1) Stainless-steel



(2) PTFE-coated

Bochem® Semi Micro Spoon-Spatula, L180~230mm

High Grade Stainless-steel & PTFE-coated, **표준형 스푼-스패츌러, 비자성/비부식**

■ ***Supplied by Bochem® in Germany***

(1) High Grade 18/10 Stainless-steel Spoon-Spatula

〈L1〉

∗ 18/10 Stainless-steel; Non-magnetic, Rust-free, Anti-Acid · Chemicals · Heat, MP 1400℃

		Ea.	Price, ₩
BC.3213	Spoon-Spatula, SS, L180, Spoon- 8×25mm, Stem-Φ3mm		5,500
BC.3214	, L210, -12×25mm, -Φ4mm		6,650
BC.3215	, L230, -12×25mm, -Φ4mm		7,220

(2) PTFE-coated Spoon-Spatula

∗ Teflon PTFE : Anti-Acid · Alkally · Chemicals · Corrosion, MP 260℃

		Ea.	Price, ₩
BC.3720	PTFE-Coat. Spoon-Spatula, L180, Spoon- 8×25mm, Stem-Φ3mm		60,520
BC.3721	, L210, -12×25mm, -Φ4mm		61,400
BC.3722	, L230, -12×25mm, -Φ4mm		62,120



Hammacher® Premium Spoon-Spatula, Rustproof Stainless-steel, L150~230mm

With 1-side Blade, Finished Polish, <Germany-Made> **프리미엄 스푼-스패츌러, 독일제, 비부식**

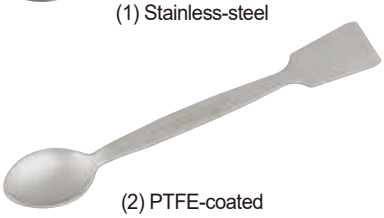
〈L1〉

∗ 18/8 Stainless-steel; Rust-proof,Anti-Acid · Chemicals · Heat

		Ea.	Price, ₩
HA.HSN133.15	Spoon-Spatula, L150, Blade - 10×50, Spoon - 17×38, Stem-Φ3mm		9,200
HA.HSN134.18	, L180, - 10×55, - 17×38, -Φ3mm		9,540
HA.HSN135.21	, L210, - 10×60, - 17×38, -Φ3mm		10,030
HA.HSN136.23	, L230, - 10×60, - 17×38, -Φ4mm		10,520



(1) Stainless-steel



(2) PTFE-coated

Premium Heavy-duty Spoon-Spatula, with Flat-stem, L120~300mm

Rustproof Stainless-steel · PTFE-coated · TITANIUM, <Germany-Made> **프리미엄 중량 스푼-스패츌러, 독일제**

(1) Hammacher® Rust-proof 18/8 Stainless-steel Spoon-Spatula

〈L1〉

∗ 18/8 Stainless-steel; Rust-proof, Anti-Acid · Chemicals · Heat, MP 1400℃

		Ea.	Price, ₩
HA.HSN403.12	Spoon-Spatula, SS, L120, Spoon-23×31, Blade-20×30mm		6,420
HA.HSN404.15	, L150, -26×36, -22×32mm		7,080
HA.HSN405.18	, L180, -28×40, -26×36mm		7,730
HA.HSN406.21	, L210, -28×40, -26×36mm		9,200
HA.HSN407.25	, L250, -35×50, -32×45mm ***New***		15,780
HA.HSN408.30	, L300, -41×55, -40×50mm ***New***		20,540

(2) Hammacher® PTFE-Coated Spoon-Spatula

∗ Teflon PTFE : Anti-Acid · Alkally · Chemicals · Corrosion, MP 260℃

		Ea.	Price, ₩
HA.HSN403.12T	PTFE-Coated Spoon-Spatula, L120, Spoon-23×31, Blade-20×30mm		21,370
HA.HSN404.15T	, L150, -26×36, -22×32mm		22,020
HA.HSN405.18T	, L180, -28×40, -26×36mm		23,670
HA.HSN406.21T	, L210, -28×40, -26×36mm		25,470



Bented/Large Spatula-Spoon, High Grade Stainless-steel, L210~500mm

With Φ 8mm-stem, Non-magnetic/Rust-free, MP-1400℃, **곡형/장형 스푼, 비자성/비부식**

■ ***Supplied by SciLab Korea***

〈L1〉

∗ 18/10 Stainless-steel; Non-magnetic, Rust-free, Anti-Acid · Chemicals · Heat

		Ea.	Price, ₩
SL.Spo7021	Bented/Large Spatula-Spoon, L210, Bowl-28×65, Blade-20×40, Stem-Φ8.0mm		11,390
SL.Spo7022	, L250, -28×65, -20×40, -Φ8.0mm		13,670
SL.Spo7023	, L300, -28×65, -20×40, -Φ8.0mm		15,940
SL.Spo7024	, L400, -28×65, -20×40, -Φ8.0mm		18,220
SL.Spo7025	, L500, -28×65, -20×40, -Φ8.0mm		20,490

Articles	Cat. No	Description



Bochem® Laboratory Spatula-Spoon, High Grade Stainless-steel, L150~300mm
With 1-side Blade, Non-magnetic, Polished Surface, **랩-스푼, 비자성/비부식**

■ ***Supplied by Bochem® in Germany***

∗ 18/10 Stainless-steel; Non-magnetic, Rust-free, Anti-Acid · Chemicals · Heat

〈L1〉

		Ea. Price, ₩
BC.3400	Lab-Spoon, SS, L 150, Bowl-15×35, Blade-13×30, Stem-Φ5mm	12,270
BC.3401	, L 180, -15×35, -13×30, -Φ5mm	13,100
BC.3402	, L 210, -15×35, -13×30, -Φ5mm	13,820
BC.3403	, L 250, -15×35, -13×30, -Φ5mm	16,150
BC.3404	, L 300, -15×35, -13×30, -Φ5mm	17,750

, Plastic Spatulas 플라스틱 스패츌러



PP Colored Spatula-Spoon, with Flat-Stem, L160~200mm
With Fine Chamfered End, 125/140℃, Autoclavable, **PP칼라 스패츌러 스푼**

■ ***Supplied by SciLab Korea*** ■ ***Random Color (Yellow, Green, Red)***

〈L1〉

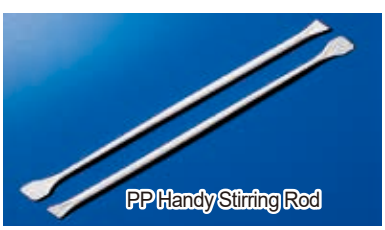
		Ea. Price, ₩
SL.Spo3015	Spatula-Spoon, L 160, Spoon-20×30, Blade-17×33mm	900
SL.Spo3016	, L 180, -20×30, -17×33mm	970
SL.Spo3017	, L 200, -20×30, -19×33mm	1,050



Cowie® PTFE Spatula, with Fine Chamfered Ends, L120~240mm
Excellent Chemical & Temp Resistant, −200℃+280℃, **<UK-Made> PTFE 양면 스패츌러**

〈L1〉

		Ea. Price, ₩			Ea. Price, ₩
CW.043.120	Spatula, 12×L120, t5mm	18,300	**CW.043.210**	Spatula, 25×L210, t6mm	29,470
CW.043.150	, 18×L150, t5mm	22,050	**CW.043.240**	, 30×L240, t6mm	33,120
CW.043.180	, 20×L180, t5mm	25,750			



Kartell® PP Policemen Handy Spatula, White, L244mm
−10℃+125/140℃, **<Italy-Made> PP 스패츌러, 교반봉 겸용**

∗ Stirring Rod with 2× Small Spatulas/Flattened Ends
∗ Made of White Polypropylene, One-Piece Rod, 125/140℃ stable

〈L1〉

		Ea.	Price, ₩	Pk.	Price, ₩
KA.828	Stirring Rod, L244mm	1,390		10ea	13,390

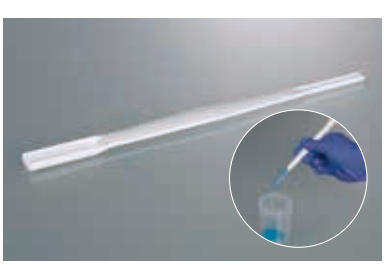


Kartell® Plastic Spatulas & Spatula-Spoon, DIN, <Italy-Made> 플라스틱 스패츌러

∗ Glass fibre filled Nylon
∗ Excellent for Chemical and Corrosion Resistance ∗ Robust

〈L1〉

		Ea.	Price, ₩	Pk.	Price, ₩
KA.594	Double spatula, L150mm	2,070		10ea	19,930
KA.595	, L180mm	2,380		10ea	22,900
KA.596	Spatula-Spoon, 1.5㎖ Spoon, L180mm	2,890		10ea	27,890
KA.593	, 1.8㎖ Spoon, L210mm	2,990		10ea	28,780



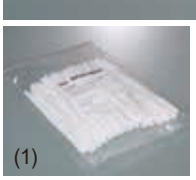
Burkle® PS Micro Double Scoop-Spatula, Sterile or Non-sterile, with Rounded-end, L180mm
For Measuring or Transferring Small Amounts, **<Germany-Made> PS 마이크로 양면 스패츌러**

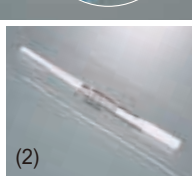
■ ***클린룸에서 제작되었으며, 양면 사용이 가능하고 소량 샘플링에 적합***
▸ **Production, Assembly and Packaging According to Clean Room Class 7**
▸ **Complies with EU Food Requirements and FDA Regulations, PS ; -20℃+70℃ Stable**
∗ Can be used to Sample, Transfer or Process Small Amounts of Chemicals, Powders, Granulates, Pastes, Creams or Liquids. ∗ Designed for Disposable Use, Resistant to Chemicals and Corrosion-proof.

〈L1〉

(1) Non-sterile PS Micro Double Scoop-Spatula, 비멸균

		Pk.	Price, ₩
BK.5378.0032	Spoon-Spatula, Non-sterile, L180mm, Scoop-0.25/1.0㎖	100ea	58,240





(2) γ-Sterile PS Micro Double Scoop-Spatula, with Individually Steriled Packaging, 멸균 개별포장

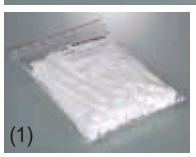
∗ Packaged Individually and Sterilized by Gamma Rays

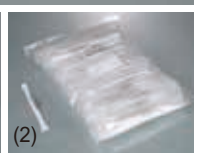
		Ea.	Price, ₩	Pk.	Price, ₩
BK.5378.1032	Spoon-Spatula, **Sterile**, L180mm, Scoop-0.25/1.0㎖	1,590		100ea	145,140

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description




(1)


(2)

Burkle® PS Spoon-Spatula, Sterile or Non-sterile, Individual Packed in Clean Room, 0.5㎖
For Measuring or Transferring Small Amounts, −10℃+70/80℃, <Germany-Made> PS 스푼 스패츌러

■ 클린룸에서 제작되어 소량의 샘플을 측정하거나 옮기는데 적합 ***■ PS (Polystyrene), White, -20℃+70℃ Stable***

▶ **Production, Assembly and Packaging According to Clean Room Class 7**
▶ **Complies with EU Food Requirements and FDA Regulations** ∗ Sturdy and Convenient Center Handle
∗ for Measuring or Transferring Small Amounts, as a Scraper or for Mixing and Stirring.
∗ Designed for Disposable Use, Resistant to Chemicals and Corrosion-proof.

〈L1〉

(1) Non-sterile, 비멸균

		Pk.	Price, ₩
BK.5378.0031	Spoon-Spatula, Non-sterile, L178mm, Spoon-0.5㎖, Blade-L17mm	100ea	58,240

(2) γ-Sterile, with Individually Packaging, 멸균 개별포장

		Ea.	Price, ₩	Pk.	Price, ₩
BK.5378.1031	Spoon-Spatula, **Sterile**, L178mm, Spoon-0.5㎖, Blade-L17mm	1,590		100ea	145,140


Bio-PE "Eco-Friendly" Spatula


Individually Packed in Clean Room

Burkle® Bio-PE Spatula, Sterile or Non-sterile, Individually Packed in Clean Room, L263mm
Ideal for Sampling of Powder, <Germany-Made> 바이오 PE 친환경 스패츌러

■ 클린룸에서 제작되어 샘플링에 적합한 친환경 스패츌러

▶ **Ideal for Sampling of Powder, Granules and Pastes.** ▶ **According to EU Food and FDA Guidelines.**
▶ **Product and Packaging Entirely Made of Renewable Resources.**
▶ **Production, Assembling and Packaging acc. to Clean-Room Class 7 (10.000)**
∗ Bio-plastic Green PE(Polyethylene), -50℃+105℃ Stable ∗ Sterile or Non-sterile ∗ Insertion Depth L150mm
∗ Designed and Developed to Optimally Fulfil the Demanding and Specific Requirements of Laboratory and Industry
∗ Due to its long, ergonomic and solid handle and its pointed blade it can be easily pierced into paper and plastic bags.

〈L1〉

(1) Non-sterile Bio-PE Spatula, Eco-Friendly, 비멸균

		Ea.	Price, ₩	Pk.	Price, ₩
BK.5379.0009	Spatula, Bio-PE, Non-sterile, L263mm	5,040		10ea	46,630

(2) γ-Sterile Bio-PE Spatula, Eco-Friendly, 멸균 개별포장

		Ea.	Price, ₩	Pk.	Price, ₩
BK.5379.1009	Spatula, Bio-PE, **Sterile**, L263mm	5,590		10ea	51,650


PS Clean Spatula


Individually Packed in Clean Room

Burkle® PS Clean Spatula, Sterile or Non-sterile, Individually Packed in Clean Room, L263 & 268mm
Ideal for Sampling of Powder, <Germany-Made> PS 크린 스패츌러

■ 클린룸에서 제작되었으며 샘플링에 적합한 크린 스패츌러

▶ **Ideal for Sampling of Powder, Granules and Pastes.** ▶ **According to EU Food and FDA Guidelines.**
▶ **Production, Assembling and Packaging acc. to Clean-Room Class 7 (10.000)**
∗ PS (Polystyrene), White., -20℃+70℃ Stable ∗ Sterile or Non-sterile ∗ Insertion Depth L150mm
∗ Designed and Developed to Optimally Fulfil the Demanding and Specific Requirements of Laboratory and Industry
∗ Due to its long, ergonomic and solid handle and its pointed blade it can be easily pierced into paper and plastic bags.

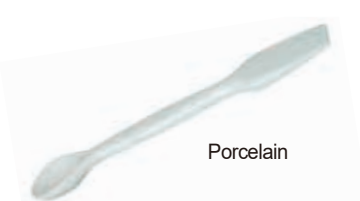
〈L1〉

(1) Non-sterile PS Clean Spatula, 비멸균

		Ea.	Price, ₩	Pk.	Price, ₩
BK.5378.0009	Spatula, PS, Non-sterile, without Sheath, L263mm	4,420		10ea	40,800
BK.5378.0010	, with Sheath , L268mm	6,800		10ea	62,880

(2) γ-Sterile PS Clean Spatula, 멸균 개별포장

		Ea.	Price, ₩	Pk.	Price, ₩
BK.5378.1009	Spatula, PS, **Sterile**, without Sheath, L263mm	4,900		10ea	45,200
BK.5378.1010	, with Sheath , L268mm	7,370		10ea	68,150

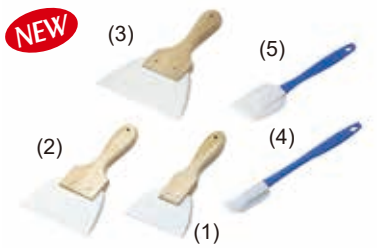

Porcelain

Porcelain Spatula-Spoon, Glazed, L100~260mm
Up to 1000℃, Multi-Use, 자제 스푼-스패츌러

〈L1〉

		Ea.	Price,₩	Pk.	Price, ₩
SC.J226	Spoon-Spatula, Porce, L100, Blade-11×30, Spoon-14.5×16 mm	4,730		6ea	27,530
SC.J227	, L125, -13×33, -18×20 mm	5,270		6ea	30,680
SC.J228	, L165, -16×45, -21×26 mm			1ea	6,880
SC.J229	, L198, -18×51, -25×31 mm			1ea	10,850
SC.J230	, L260, -35×68, -43×52 mm			1ea	12,880

Articles	Cat. No	Description



Silicone Rubber Spatula/Scraper, Ideal for Sensitive Work
Durability, Protect Sample, **실리콘 고무 스패출러/스크래퍼**

∗ Wood-handle ; (1), (2), (3) ∗ ABS-handle ; (4) & (5)

〈L2〉

			Ea.	Price, ₩
SL.Spa6001	(1) Spatula/Scraper, Rubber, Triangle Type, w 94×L187mm			16,070
SL.Spa6002	(2)	, w120×L194mm		20,400
SL.Spa6003	(3)	, w155×L215mm		27,940
SL.Spa6004	(4)	, Oval Type, Small, w26×L258mm		9,280
SL.Spa6005	(5)	, Large, w55×L243mm		11,000



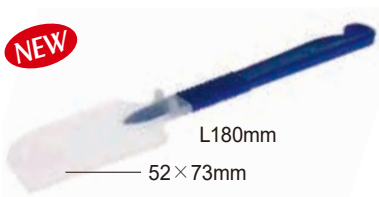
Silicone Spatula/Scraper, with Plastic Handle(ABS), Triangle-type, w100×L170mm
Excellent Flexibility · Chemical Resistance · Heat Resistance, Easy to Clean, **실리콘 스패출러/스크래퍼**

■ ***Made in Korea*** ■ ***무공해 위생 스패출러*** ■ ***탁월한 탄력***

〈B1〉

∗ Ideal for Mixing and Scraping ∗ with Hanging Loop for Convenient Storage

		Pk.	Price, ₩
DH.Spa6001	Silicone Spatula, w100×L170mm	1ea	3,070



Silicone Spatula for Food, Non-toxic, PP Handle, Autoclavable
With Thin-Head, Length 180mm, **다용도 실리콘 스패출러(주걱), 식품용에 적합**

■ ***Made in Korea***

∗ Multi-Use : Ideal for Food ∗ Non-Toxic Silicone Material Spatula.
∗ Excellent Flexibility ∗ PP(Polypropylene) Handle-type 40g
∗ Hangable Loop at the Handle's End. ∗ Chemical & Heat-resistance

〈B1〉

		Ea.	Price, ₩
DH.Spa6002	Silicone Spatula, w / PP Handle, Thin-head 52×73mm, L180mm, 40g		7,960

, Metal Spoons 금속 스푼

※ Hammacher® Premium Maintenance Service for Diamond Coating, Sharpening, Refinishing &c.
⇒ See the "Forceps" Section.

Hammacher® Premium Micro Spoon, Wironit™ Special Non-magnetic/Rust-proof Stainless-steel, L140mm
For Fine Work, Octagonal-Handle, Finished Surface, <Germany-Made> **프리미엄 마이크로 스푼, 독일제, 비자성/비부식 특수스텐**


Micro Spoon

■ ***Wironit™ Special Stainless-steel of 18/12 Cr-Ni; Non-magnetic, Rust-free, Excellent Resistance to Acid · Chemicals · Heat***

〈L1〉

		Ea.	Price, ₩
HA.HWN010.00	Micro Spoon, SS, L140, Spoon - 5×7 mm		35,480



Micro Double Spoon, High Grade Stainless-steel, L130~210mm
For Fine Work, Non-magnetic, **마이크로 양면 스푼, 비자성/비부식**

■ ***Supplied by SciLab Korea***

∗ 18/10 Stainless-steel; Non-magnetic, Rust-free, Anti-Acid · Chemicals · Heat

〈L1〉

				Ea.	Price, ₩
SL.Spo7057	Spoon-type Spatula, SS, L130, 2 Bowl-5×12, Stem-Φ2 mm				2,740
SL.Spo7058	, L185,	-5×12,	-Φ2 mm		2,740
SL.Spo7059	, L210,	-5×12,	-Φ2 mm		3,000


(1) with Normal Bowl


(2) with Open-tip Bowl

Mini Rigid Spoon, High Grade Stainless-steel, L150 & 200mm
With 15×30mm-bowl, Non-magnetic, **미니 스푼, 비자성/비부식**

■ ***Supplied by SciLab Korea***

∗ 18/10 Stainless-steel; Non-magnetic, Rust-free, Anti-Acid · Chemicals · Heat

〈L1〉

(1) with Normal Bowl 15×30mm, L150mm

		Ea.	Price, ₩
SL.Spo7061	Mini Spoon, SS, L150, Bowl-15×30mm		3,270

(2) with Open-tip Bowl 15×30mm, L200mm

		Ea.	Price, ₩
SL.Spo7063	Mini Open Spoon, SS, L200, Bowl-15×30mm		3,270

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



Heavy-duty Universal Spoon, High Grade Stainless-steel, L150~320mm
With Rigid Flat Handle Spatula, for Foodstuff & Media, **만능형 스푼, 비자성/비부식**

■ ***Supplied by SciLab Korea***

∗ 18/10 Stainless-steel; Non-magnetic, Rust-free, Anti-Acid · Chemicals · Heat

〈L1〉

		Ea.	Price, ₩
SL.Spo7051	Spoon, SS, L150, Bowl-28×45 , Handle Blade-w60 ×thick 1.2mm		5,940
SL.Spo7052	, L200, -35×60 , -w82 × 1.2mm		7,830
SL.Spo7053	, L240, -43×75 , -w93 × 1.2mm		9,720
SL.Spo7054	, L280, -50×90 , -w106× 1.6mm		12,100
SL.Spo7055	, L320, -45×105, -w116× 1.1mm		12,630



Chemical Spoon, with 1-side Mini-bowl, L160~L300mm
Stainless-steel #430, <Korea-Made> **시약 스푼**

〈L1〉

		Ea.	Price, ₩
SL.Spo7011	Spoon, Chmist, SS, L 160mm, Bowl-20×30, Bowl-9×9, Stem-Φ10mm		1,300
SL.Spo7012	, L 180mm, -20×30, -9×9, -Φ10mm		1,500
SL.Spo7013	, L 200mm, -20×30, -9×9, -Φ10mm		1,650
SL.Spo7014	, L 250mm, -20×30, -9×9, -Φ10mm		1,870
SL.Spo7015	, L 300mm, -20×30, -9×9, -Φ10mm		2,150



Classic Chemical Spoon-Round Spatula, High Grade Stainless-steel, L120~300mm
Non-magnetic, High-Polished, **대중형 시약 스푼-스패출러, 비자성/비부식**

■ ***Supplied by SciLab Korea***

∗ 18/10 Stainless-steel; Non-magnetic, Rust-free, Anti-Acid · Chemicals · Heat

〈L1〉

		Ea.	Price, ₩
SL.Spo7031	Double Spoon, SS, L120, Bowl-23×34, Bowl-19×25, Stem-Φ5mm		5,400
SL.Spo7032	, L150, -23×34, -19×25, -Φ5mm		5,940
SL.Spo7033	, L180, -29×40, -23×32, -Φ5mm		6,470
SL.Spo7034	, L210, -29×40, -23×32, -Φ5mm		7,290
SL.Spo7035	, L250, -34×45, -29×40, -Φ5mm		8,620
SL.Spo7036	, L300, -34×45, -29×40, -Φ5mm		9,720



Rigid Flat-Stem Chemical Double Spoon, High Grade Stainless-steel, L120~300mm
With Flat-stem, Non-magnetic, **평면 손잡이형 양면 시약 스푼, 비자성/비부식**

■ ***Supplied by SciLab Korea***

∗ 18/10 Stainless-steel of Cr-Ni; Non-magnetic, Rust-free, Anti-Acid · Chemicals · Heat

〈L1〉

		Ea.	Price, ₩
SL.Spo7041	Double Spoon, SS, L120, Bowl-19×27, Bowl-17×27, Stem-w8mm		2,740
SL.Spo7042	, L150, -19×27, -17×24, -w10mm		3,270
SL.Spo7043	, L180, -20×29, -17×25, -w9mm		4,320
SL.Spo7044	, L210, -27×36, -20×27, -w13mm		5,400
SL.Spo7045	, L250, -35×52, -28×38, -w13mm		6,470
SL.Spo7046	, L300, -43×60, -31×41, -w17mm		8,090



4Pcs/Set

"witeg" Measuring Spoon Set, High Grade Stainless-steel, with 1, 2.5, 5 and 15㎖
With 4 Pcs, Finished Surface, <Germany-Made> **스텐 계량 스푼** 4 Set, **독일제, 비자성/비부식**

∗ 18/10 Stainless-steel of Cr-Ni; Non-magnetic, Rust-free, Anti-Acid · Chemicals · Heat

∗ 4 Spoons-Set : ① 1㎖, ② 2.5㎖, ③ 5㎖, and 15㎖

〈L1〉

		Set.	Price, ₩
WI.7.412.300	Measuring Spoon 4Pcs/Set, SS, 1- / 2.5- / 5- / 15-㎖	4ea	18,190

Articles	Cat. No	Description



PS Clean Spoons

Burkle® PS Clean Spoon, Sterile or Non-sterile, Individually Packed in Clean Room, 2.5 & 10㎖
Ideal for Sampling of Powder, −10℃+70/80℃, <Germany-Made> PS 크린 스푼

■ ***클린룸에서 제작되어 분말, 과립제, 반죽 등의 채취에 적합***

- ▸ **According to EU Food and FDA Guidelines.** ▸ **for Sampling of Powder, Granules and Pastes.**
- ▸ **Production, Assembling and Packaging acc. to Clean-Room Class 7 (10.000)**

∗ PS (Polystyrene), White, -20℃+70℃ Stable ∗ Sterile or Non-sterile ∗ Pack of 100 pieces
∗ Designed and Developed to Optimally Fulfil the Demanding and Specific Requirements of Laboratory and Industry
∗ The sampling spoon is available in 2.5㎖ (similar to teaspoon) and 10㎖ (similar to tablespoon)



Individually Packed in Clean Room

(1) Non-sterile, 비멸균

〈L1〉

		Ea.	Price, ₩	Pk.	Price, ₩
BK.5378.0011	Spoon, PS, Non-sterile, 2.5㎖, L127mm		1,140	100ea	104,180
BK.5378.0012	, 10㎖, L170mm		1,220	100ea	111,050

(2) γ-Sterile, with Individually Packaging, 멸균 개별포장

		Ea.	Price, ₩	Pk.	Price, ₩
BK.5378.1011	Spoon, PS, **Sterile**, 2.5㎖, L127mm		1,220	100ea	110,820
BK.5378.1012	, 10㎖, L170mm		1,290	100ea	117,790



Bio-PE "Eco-Friendly" Clean Spoons

Burkle® Bio − PE Clean Spoon, Sterile or Non-sterile, Individually Packed in Clean Room, 2.5 & 10㎖
Ideal for Sampling of Powder, Eco-Friendly, <Germany-Made> 바이오 PE 친환경 스푼

■ ***클린룸에서 친환경 PE로 제작되어 분말, 과립제, 반죽 등의 채취에 적합***

- ▸ **According to EU Food and FDA Guidelines.** ▸ **for Sampling of Powder, Granules and Pastes.**
- ▸ **Product and Packaging Entirely Made of Renewable Resources.**
- ▸ **Production, Assembling and Packaging acc. to Clean-Room Class 7 (10.000)**

∗ The sampling spoon is available in 2.5㎖ (similar to teaspoon) and 10㎖ (similar to tablespoon)
∗ Bio-plastic Green PE(Polyethylene), -50℃+105℃ Stable ∗ Sterile or Non-sterile ∗ Pack of 100 pieces
∗ Designed and Developed to Optimally Fulfil the Demanding and Specific Requirements of Laboratory and Industry



Individually Packed in Clean Room

(1) Non-sterile Bio-PE Spoon, Eco-Friendly, 비멸균

〈L1〉

		Ea.	Price, ₩	Pk.	Price, ₩
BK.5379.0011	Spoon, Bio-PE, Non-sterile, 2.5㎖, L127mm		1,300	100ea	118,980
BK.5379.0012	, 10㎖, L170mm		1,390	100ea	126,780

(2) γ-Sterile Bio-PE Spoon, Eco-Friendly, 멸균 개별포장

		Ea.	Price, ₩	Pk.	Price, ₩
BK.5379.1011	Spoon, Bio-PE, **Sterile**, 2.5㎖, L127mm		1,440	100ea	132,180
BK.5379.1012	, 10㎖, L170mm		1,540	100ea	140,630



Pure PFA Spoon, Chemical/Heat Resistance, Length 174mm
Translucent, Autoclavable, −200℃+260℃, 테프론 스푼

〈L2〉

■ ***재질 : PFA(테프론)*** ∗ Made of Fluororesin(PFA)

		Ea.	Price, ₩
SL.Spo4001	Spoon, PFA, Spoon width 22×10mm, Length 174mm		16,790



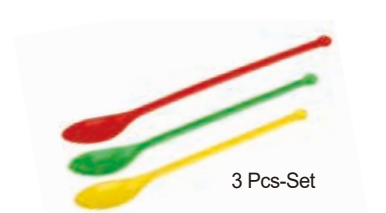
ABS white Spoon

Laboran® ABS White Spoon, L150 · 165 · 180mm, 경제형 백색 스푼

〈L2〉

■ ***재질 : ABS 수지***

		Ea.	Price, ₩	Pk.	Price, ₩
SL.Spo3101	Spoon, white ABS, Small , L150mm		1,420	11ea	14,220
SL.Spo3102	, Medium, L165mm		1,700	11ea	17,190
SL.Spo3103	, Large , L180mm		1,850	11ea	18,700



3 Pcs-Set

PP 3 pcs Disposable Double Spoon Set, Colored : L125 · 135 · 150mm
With One-side Micro-Bowl, Autoclavable, 125/140℃, 칼라 일회용 스푼 3종 세트

■ ***Supplied by SciLab Korea***

∗ Made of Polypropylene(PP), Autoclavable ∗ 3 Spoons / Set, with One side Micro-Bowl
∗ Bowl-17×33, bowl-7×7mm ∗ Random Color(Red, Green, Yellow)

〈L1〉

		Set.	Price, ₩
SL.Spo3013	PP Spoon, Disposable, 3 pcs/set, L125 · 135 · 150mm	3ea	900

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



"witeg" Premium Specific Gravity Bottle/Pycnometer, Gaylussae-type, 5~100㎖

With Thermometer Joint 10/19 and Side Tube with 7/16 Joint cap, Boro Glass, ASTM/DIN, **비중병/피크노메타**

■ ***Supplied by "witeg" in Germany***

* ASTM/DIN
* Capacity Mark Indicated at the Bottom
* Thermometer 0℃~35℃ divi. 0.2℃
* Ideal for Measuring the Specific Gravity of the Powder Samples Obtained by Wet

〈L1〉

Cat. No		Ea.	Price, ₩
WI.3920005	Pycnometer with thermometer, Tolerance ±0.006㎖, 5㎖		164,950
WI.3920010	, Tolerance ±0.008㎖, 10㎖		131,840
WI.3920025	, Tolerance ±0.010㎖, 25㎖		137,120
WI.3920050	, Tolerance ±0.016㎖, 50㎖		143,680
WI.3920100	, Tolerance ±0.024㎖,100㎖		153,020



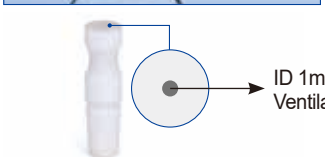
Glassco® A-class Calibrated Specific Gravity Bottle/Pycnometer, with Individual Work Certificate, 10~100㎖

Gaylussae-type, Boro-glass 3.3, with 10/15 PTFE Vented Stopper, A급 보증서부 **비중병/피크노메타**

* Made of ASTM 438 Type 1 Boro-glass 3.3 and As per DIN/ISO 3507
* Used in the Testing of Specific Gravity Test of Powder Phase

〈L1〉

Cat. No		Ea.	Price, ₩	Pk.	Price, ₩
GL.268.223.01	Bottle, Gay Luisac, A-class, 10㎖ accu. ±1.0㎖		26,890	2ea	52,170
GL.268.223.02	, 25㎖ accu. ±2.0㎖		28,440	2ea	55,170
GL.268.223.03	, 50㎖ accu. ±3.0㎖		33,500	2ea	64,990
GL.268.223.04	, 100㎖ accu. ±3.0㎖		35,590	2ea	69,030
GL.268.277.02	**Spare;** PTFE Stopper, Vented, 10/15		3,050	10ea	29,450



Spare; PTFE Vented Stopper

Articles	Cat. No	Description

EMCLAB® Visible Spectrophotometer "EMC-11S-V", Standard 4-Cell Holder, 325~1000 nm
With Color TFT Screen, EASY UV Basic PC Software, EMCLAB Works Certificate, <Germany-Made> 가시광 분광광도계



Visible 325~1000nm



4-Cell Holder (Included)



1-position Cell Holder



2-position Solid Cell Holder

- ***Tested with DAkks (German Body of Accreditation) Certified UV/VIS Reference Materials NIST Traceable.***
- ***Supplied with EMCLAB Works Calibration Certificate.***
- ***Single Beam and 4nm Spectral Bandwidth.***
- ***Standard 4-position Cell Holder (10×10 mm)***
- ***Included 4×Glass Cells (10×10 mm) Basically***

* Color TFT Screen
* Self-check system
* Fast Choose Wavelength
* Auto Setting Wavelength
* Auto Zero and Blank
* Sample Compartment for Different Cell Holders
* Including EASY UV Basic PC Software (Quantitative, Kinetics, Photometry measurement)
* Including EMCLAB Works Calibration Certificate.
* Optional EASY UV PC Software (Quantitative, Kinetics, Wavelength Scan, Multi-wavelength, DNA/ Protein, Energy Scan)
* IQ/OQ/PQ Documentation available

Spec. \ Model	EMC-11S-V
Wavelength Range	325 ~ 1000nm
Spectral Bandwidth	4nm
Optical System	Single Beam, grating 1200 lines/mm
Wavelength Accuracy	±2nm
Wavelength Repeatability	1nm
Photometric Accuracy	≤±0.5 % T or ±0.004A@1A
Photometric Range	0-200 % T, -0.3 ~ 3A, 0 ~ 1999 Conc.
Photometric Repeatability	≤0.2 % T
Photometric Mode	T, A, C, F
Stray Light	0.2 % T
Stability	±0.004A/h@500nm
Baseline Flatness	±0.001A (200~1000nm)
Noise	0.003A@500nm
Detector	Silicone Photodiode
Display	Color TFT Screen
Central Beam Height	15mm
Standard Cell Holder	4-position Cell Holder 10×10mm
Light Source	Tungsten Lamp
Output	USB port & Parallel port for Printer
Power Requirement	AC 85~265V, 50/60Hz
Dimensions	L440×W350×H200 mm
Weight	8kg

Ordering information

〈L1〉

Cat. No.	Description	Ea. Price, ₩
EM.11SV	VIS Spectrophotometer EMC-11S-V, 325~1000nm	4,193,370

※ **Complete Set** : Spectrophotometer Main Unit, Power Cable, Dust Cover, 4×Glass Cells 10×10 mm, CD(User´s Manual, Basic Software and Manual), USB Cable, Microfibre Cloth, Calibration Certificate.

Optional & Spare Accessories

Cat. No.	Description	Ea. Price, ₩
EM.00020	**Option ;** 4-position cell holder for cells, 10×10 mm, without slider	397,300
EM.00021	, up to 50 mm, without slider	448,650
EM.00019	, up to 100 mm, without slider	484,740
EM.00023	; 1-position cell holder for cells, 10×10 mm	286,940
EM.00045	, up to 100 mm	422,870
EM.00099	; 1-position holder for solid samples, up to 2-5 mm thickness	458,970
EM.00101	; 2-position holder for solid samples, up to 2-5 mm thickness	804,450
EM.00124	; EASY UV PC Software with Dongle Analyst	2,692,600
EM.00011	**Spare ;** Halogen(Tungsten) Lamp 6V 10W for EMC-11S	82,540

※ The Price(VAT is extra) for Korean End-user, and Changeable.

EMCLAB® UV/VIS Spectrophotometer "EMC-11S-UV", with Basic/Professional Software Sets, 200~1000 nm

With Standard 4-Cell Holder, EMCLAB Works Certificate, Tungsten & Deuterium Lamp, <Germany-Made> 자외선/가시광 분광광도계



UV/Visible 200~1000nm



4-Cell Holder (Included)



1-position Cell Holder



2-position Solid Cell Holder



Spare Halogen Lamp

- ***Supplied with EMCLAB Works Calibration Certificate.***
- ***Tested with DAkks (German Body of Accreditation) Certified UV/VIS Reference Materials NIST Traceable.*** ■ ***Single Beam and 4nm Spectral Bandwidth.***
- ***Tungsten Lamp & Deuterium Lamp can be turned on/off Individually***
- ***Included 4× Glass & 2× Quartz Glass Cells (10×10 mm) Basically.***

∗ Color TFT Screen ∗ Self-check System ∗ Fast Choose Wavelength
∗ Auto Setting Wavelength ∗ Auto Zero and Blank ∗ Sample Compartment for Different Cell Holders
∗ Can Display total 50 groups of Data, 3 groups per Screen. Can Display Standard Curve and the Curve Equation.
∗ Data can be restored after a sudden Power Cut.
∗ Tungsten lamp & Deuterium lamp can be turned On/Off Individually.
∗ Including EMCLAB Works Calibration Certificate ∗ IQ/OQ/PQ Documentation available

EMC-11S-UV with EASY UV Basic PC Software (Cat. No. EM.11SUV)

∗ Inclusive EASY UV Basic PC Software following Functions.
Quantitative, Kinetics, Photometry Measurement (Absorbance and Transmittance).

EMC-11S-UV with EASY UV PC Software (Cat. No. EM.11SUVPC)

∗ Inclusive EASY UV PC Software following Functions.
Quantitative, Kinetics, Spectrum Scan, Multi-wavelength, DNA/Protein Analysis, Energy Scan

Spec. \ Model	EMC-11S-UV
Wavelength Range	200 ~ 1000nm
Spectral Bandwidth	4nm
Optical System	Single Beam, grating 1200 lines/mm
Wavelength Accuracy	±2nm
Wavelength Repeatability	1nm
Photometric Accuracy	≤±0.5 % T or ±0.005A@1A
Photometric Range	0-200 % T, -0.3 ~ 3A, 0 ~ 1999 Conc.
Photometric Repeatability	≤0.2 % T
Photometric Mode	T, A, C, F
Stray Light	0.2 % T
Stability	±0.004A/h@500nm
Baseline Flatness	±0.001A (200~1000nm)
Noise	0.003A@500nm
Detector	Silicone Photodiode
Display	Color TFT Screen
Central Beam Height	15mm
Standard Cell Holder	4-position Cell Holder 10×10mm
Light Source	Tungsten & Deuterium Lamp
Output	USB port & Parallel port for Printer
Power Requirement	AC 85~265V, 50/60Hz
Dimensions	L440×W350×H200 mm
Weight	9kg

Ordering information

〈L1〉

Cat. No.	Description	Ea. Price, ₩
EM.11SUV	UV/VIS Spectrophotometer EMC-11S-UV, 200~1000nm w/Basic Software	7,145,290
EM.11SUVPC	UV/VIS Spectrophotometer EMC-11S-UV, 200~1000nm w/EASY UV Software	9,837,880

※ **Complete Set** : Spectrophotometer Main Unit, Power Cable, Dust Cover, 4×Glass & 2×Quartz Cells 10×10 mm, CD(User´s Manual), USB Cable, Microfibre Cloth, Calibration Certificate.

Optional & Spare Accessories

Cat. No.	Description	Ea. Price, ₩
EM.00020	**Option ;** 4-position cell holder for cells, 10×10 mm, without slider	397,300
EM.00021	, up to 50 mm, without slider	448,650
EM.00019	, up to 100 mm, without slider	484,740
EM.00023	; 1-position cell holder for cells, 10×10 mm	286,940
EM.00045	, up to 100 mm	422,870
EM.00099	; 1-position holder for solid samples, up to 2-5 mm thickness	458,970
EM.00101	; 2-position holder for solid samples, up to 2-5 mm thickness	804,450
EM.00124	; EASY UV PC Software with Dongle Analyst	2,692,600
EM.00011	**Spare ;** Halogen(Tungsten) Lamp 6V 10W for EMC-11S	82,540
EM.00130	; UV Deuterium Lamp for EMC-11S-UV	1,232,450

EMCLAB® High Accuracy UV/VIS Spectrophotometer "EMC-18S-UV", with Basic/Professional Software Sets

With Standard 4-Cell Holder, 4×Glass/2×Quartz Cells, 190~1100nm, <Germany-Made> 고정밀 자외선/가시광 분광광도계



UV/Visible 190~1100nm

- ***Individual All-rounder for Routine and Special Analysis***
- ***Tested with DAkks (German Body of Accreditation) Certified UV/VIS Reference Materials NIST Traceable.***
- ***Supplied with EMCLAB Works Calibration Certificate.***
- ***Tungsten Lamp & Deuterium Lamp can be turned On/Off Individually to extend Lifetime.***
- ***Single Beam and 2nm Spectral Bandwidth.***
- ***Included 4×Glass & 2×Quartz Glass Cells (10×10 mm) Basically.***

∗ Color TFT Screen ∗ Self-check System ∗ Auto Setting Wavelength ∗ Auto Zero and Blank
∗ Save the Test Results. Total 200 Groups of Data and 200 Standard Curve. Convenient for check and reload.
∗ Large Sample Compartment can be accommodate 5-100 mm Path Length Cuvettes with Optional Holders.
∗ IQ/OQ/PQ Documentation available

EMC-18S-UV with EASY UV Basic PC Software (Cat. No. EM.18SUV)

∗ Inclusive EASY UV Basic PC Software following Functions
Quantitative, Kinetics, Photometry Measurement (Absorbance and Transmittance).

EMC-18S-UV with EASY UV PC Software (Cat. No. EM.18SUVPC)

∗ Inclusive EASY UV PC Software following Functions.
Quantitative, Kinetics, Spectrum Scan, Multi-wavelength, DNA/Protein Analysis, Energy Scan.



4-Cell Holder (Included)



1-position Cell Holder



8-position Auto Cell Changer



Spare UV Deuterium Lamp

Spec. \ Model	EMC-18S-UV
Wavelength Range	190 ~ 1100nm
Spectral Bandwidth	2nm
Optical System	Single Beam, grating 1200 lines/mm
Wavelength Accuracy	±0.5nm
Wavelength Repeatability	0.3nm
Photometric Accuracy	≤±0.5 % T or ±0.005A@1A
Photometric Range	0-200 % T, -0.3 ~ 3A, 0 ~ 9999 Conc.
Photometric Repeatability	≤0.2 % T
Photometric Mode	T, A, C, F
Stray Light	0.5 % T
Stability	±0.001A/h@500nm
Baseline Flatness	±0.001A (200~1000nm)
Noise	0.003A@500nm
Detector	Silicone Photodiode
Display	TFT Color Screen
Central Beam Height	15mm
Standard Cell Holder	4-position Cell Holder 10×10mm
Light Source	Tungsten & Deuterium Lamp
Output	USB port & Parallel port for Printer
Power Requirement	AC 110/220V, 50/60Hz
Dimensions	L490×W380×H220 mm
Weight	11kg

Ordering information

<L1>

Cat. No.	Description	Ea. Price, ₩
EM.18SUV	UV/VIS Spectrophotometer EMC-18S-UV, 190~1100nm w/Basic Software	15,725,300
EM.18SUVPC	UV/VIS Spectrophotometer EMC-18S-UV, 190~1100nm w/EASY UV Software	18,058,890

※ **Complete Set** : Spectrophotometer Main Unit, Power Cable, Dust Cover, 4×Glass & 2×Quartz Glass Cells 10×10 mm, CD(User's Manual), USB Cable, Microfibre Cloth, Calibration Certificate.

Optional & Spare Accessories

Cat. No.	Description	Ea. Price, ₩
EM.00020	**Option ;** 4-position cell holder for cells, 10×10 mm, without slider	397,300
EM.00021	, up to 50 mm, without slider	448,650
EM.00019	, up to 100 mm, without slider	484,740
EM.00023	; 1-position cell holder for cells, 10×10 mm	286,940
EM.00024	; 1-position cell holder water-jacketed for cells 10×10 mm	684,230
EM.00025	; 4-position cell holder water-jacketed for cells 10×10 mm, w/o slider	1,031,830
EM.00029	; 8-position Auto Cell Changer for cells 10×10 mm	2,061,380
EM.00045	; 1-position cell holder for cells up to 100 mm	422,870
EM.00099	; 1-position holder for solid samples up to 2-5 mm thickness	458,970
EM.00101	; 2-position holder for solid samples up to 2-5 mm thickness	804,450
EM.00124	; EASY UV PC Software with Dongle Analyst	2,692,600
EM.00012	**Spare ;** Halogen(Tungsten) Lamp 12V 20W for EMC-18S-UV	150,940
EM.00039	; UV Deuterium Lamp	1,318,730

※ The Price(VAT is extra) for Korean End-user, and Changeable.

EMCLAB® Double Beam UV/VIS Spectrophotometer "EMC-61PC-UV", with ANALYST PC Software
With 2×Single Cell Holder, 190~1100nm, <Germany-Made> 더블빔 자외선/가시광 분광광도계



Double Beam UV/VIS Spectrophotometer

- ***The 2 Detectors measure Sample and Reference Respectively and Simultaneous for Optimizing Measurement Accuracy.***
- ***Provide Excellent Performance for Measurements in the Range of 190 to 1100 nm.***
- ***Suitable for Pharmaceutical, Biochemical and Clinical Lab Applications***
- ***The ANALYST PC Software based on Windows® makes the Instruments Versatile.***

∗ Double Beam ∗ LCD Screen (320×240) ∗ Self-check System
∗ Sealed, Solvent-resistant tactile Keypad with Alpha-numeric Entry for File names and Units.
∗ Pre-aligned Deuterium Lamp for Easy Lamp Replacement.
∗ Data Download-to-PC Software expands the Data Storage to unlimited.
∗ Data can be saved by USB memory directly.
∗ Inclusive ANALYST PC Software (Quantitative Analysis, Kinetics, Wavelength Scan, Multi-wavelength and DNA/Protein Analysis)
∗ Inclusive EMCLAB Works Calibration Certificate. ∗ IQ/OQ/PQ Document available.



Spare Halogen Lamp



Spare UV Deuterium Lamp

Spec. \ Model	EMC-61PC-UV
Wavelength Range	190~1100nm
Spectral Bandwidth	1.8nm
Optical System	Double Beam, grating 1200 lines/mm
Wavelength Accuracy	±0.3nm
Wavelength Repeatability	0.2nm
Photometric Accuracy	≤±0.5 % T or ±0.005A@1A
Photometric Range	0-200 % T, -0.3 ~ 3A
Photometric Repeatability	≤0.001A (0~0.5A), ≤0.002A(0~0.5A), ≤0.15 % T (0~100%)
Scan Speed	Hi, MED, LOW, MAX. 3000mm/min
Stray Light	0.05 % T
Stability	±0.001A/h@500nm
Baseline Flatness	±0.001A (200~1000nm)
Noise	0.0003A@500nm
Detector	Silicone Photodiode
Display	LCD 320×240
Central Beam Height	15mm
Standard Cell Holder	2×Single Cell Holder 10×10mm
Light Source	Tungsten & Deuterium Lamp
Output	USB port A for USB memory stick USB port B for PC connectivity Parallel port for Printer
Power Requirement	AC 110/220V, 50/60Hz
Dimensions	L589×W428×H240 mm
Weight	22kg

Ordering information

‹L1›

Cat. No.	Description	Ea. Price, ₩
EM.61PCUV	Double Beam UV/VIS Spectrophotometer EMC-61PC-UV, 190~1100nm	24,958,770

※ **Complete Set** : Spectrophotometer Main Unit, Power Cable, Dust Cover, 4×Glass & 2×Quartz Glass Cells 10×10mm, USB Memory (User's manual, ANALYST PC Software), USB Cable, Microfibre Cloth, Dongle Analyst, Calibration certification.

EMCLAB® UV/VIS Calibration Filter Set with Works Calibration Certificate

- ***Made in Germany***
- ***Use for UV/VIS Calibration Filter Set with EMCLAB Works Calibration Certificate for Maintenance and Service.***

The EMC-SET-100 for testing the wavelength accuracy and photometric accuracy enable the user to check their measurement results.
The EMC-SET-100 is supplied with EMCLAB Works Calibration Certificate of Secondary Spectrometric Calibration Standards.

UV/VIS Reference Materials for Testing :

Wavelength Accuracy
Photometric Accuracy







〈L1〉

Cat. No	Filter	Wavelength (nm)	Pk.	Price, ₩
EM.SET100	Holmium Oxide glass filter H1	W*: 279, 361, 453, 536, 638nm		2,802,430
	Neutral density glass filter N2, 0.25 Abs.	A*: 440, 465, 546.1, 590, 635nm		
	Neutral density glass filter N3, 0.5 Abs.	A*: 440, 465, 546.1, 590, 635nm		
	Neutral density glass filter N4, 1.0 Abs	A*: 440, 465, 546.1, 590, 635nm		
	Empty filter mount N0	-		

A* = Wavelength for Absorbance, W* = Wavelength for Wavelength Accuracy

Hellma Liquid Calibration Standard, for Spectrophotometers

667.100-UV **667.200-UV** **667.305-UV**



667-UV 1 667-UV 12 667-UV 6 667-UV 9 667-UV 60 667-UV 600 667-UV 14 667-UV 5

Complete Set with 8 × Standard

〈L1〉

Catalogue Number	Usage	Consisting of	Material	Wavelength (nm)	Pk.	Price, ₩
HE.667.003.UV	Checking the Photometer according to Pharm. Eur.	667.100.UV	Potassium Chloride + blank	198, 200 (Certified)	8ea	10,429,850
		667.200.UV	Toluene in Hexane + blank	266, 269		
		667.305.UV	2 × Potassium Dichromate in $HClO_4$ + Blank	235, 257, 313, 350, 430		
		667.UV5	Holmium Perchlorate in Perchloric Acid	241.15; 287.15; 361.5; 536.3		

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



Standard-type



Semimicro-type
<Low form>



4.5㎖	2.5㎖	1.5㎖	4.5㎖
1937	1940	1938	4window
1939	1941	1948	1960
			1961

Kartell® Disposable Cuvette/Cell, for Spectroscopy, 1.5~4.5㎖

10mm Light path, with Standard, Semimicro, and Fluorescence types, <Italy-Made> **일회용 스펙트로 큐벳/셀**

■ ***The Engineering and Quality Control determine the Reproducibility of the Cuvettes.***
■ ***Strictly Controlled and Variations should be within the Range ±1% Absorption.***

∗ Spectrum Range & Material : Visible range cuvettes - Optical Polystyrene, 340 ~ 800 nm
UV/Visible range cuvettes - UV grade PMMA, 280 ~ 800 nm (Polymethylmethacrylate)
∗ 10mm Light path, ±1% Absorption Accuracy, 100-holes Clean Packing in PE Box

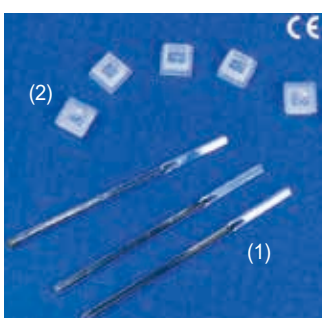
〈L1〉

(1) Visible range Cuvettes, OPS, 10mm Light path

Cat. No		Pk.	Price, ₩	Cs.	Price, ₩
KA.1937	**Standard types**, 2Side Clear, 4.5㎖	100ea	16,850	5pk	81,720
KA.1938	**Semi-micro**, Low form, 2Side Clear, 1.5㎖	100ea	17,390	5pk	84,330
KA.1940	, High form, 2Side Clear, 2.5㎖	100ea	17,300	5pk	83,900
KA.1960	**Fluorescence** : Standard type, 4Side Clear, 4.5㎖	100ea	15,040	5pk	72,890

(2) UV/Visible range Cuvettes, PMMA, 10mm Light path

Cat. No		Pk.	Price, ₩	Cs.	Price, ₩
KA.1939	**Standard types**, 2Side Clear, 4.5㎖	100ea	24,300	5pk	117,850
KA.1941	**Semi-micro**, High form, 2Side Clear, 2.5㎖	100ea	23,690	5pk	114,850
KA.1948	, Low form, 2Side Clear, 1.5㎖	100ea	27,440	5pk	133,040
KA.1961	**Fluorescence** : Standard type, 4Side Clear, 4.5㎖	100ea	21,300	5pk	103,280



Kartell® Disposable Stirrer Rod & Reusable Cap

For Cuvettes, <Italy-Made> **큐벳 교반봉 & 스펙트로-셀 캡**

(1) Disposable Stirrer Rod for Cuvettes, PS

∗ Indication only Clean Stirring to Mix the Sample in the Cuvette Manually / Cell.
∗ PS(Polystyrene) ∗ −10℃+70/80℃

〈L1〉

Cat. No		Pk.	Price, ₩
KA.939	Stirrer Rod, Φ3×L90mm	100ea	8,190

(2) PP Reusable Cap for Spectro-cells, 10×10mm, Autoclavable, −10℃+125/140℃

∗ Standard-type Cuvette Cap(for KA.1937, KA1960, KA.1939, KA.1961)

Cat. No		Pk.	Price, ₩	Cs.	Price, ₩
KA.1962	Cell-Cap, 10×10mm	1000ea	47,740	5pk	231,530

Articles	Cat. No	Description



(1) Frosted-type 700㎕



Individually Packed in a Hinged Lid Case

Micro Absorption Quartz Cell, with PTFE Lid, Inside Width 2mm, 700㎕

Transmission Range 190~2500nm, Light Pass 10mm, 2-Side Polished, **마이크로 흡광 셀, 2면 투명**

- ***Supplied by DAIHAN Korea***
- ***재질(Material) : ES(ExtraSil) Synthetic Quartz Glass***
- ***편리한 1Case에 1Ea 포장***
- ***투과 범위(Transmission Range) : 190 ~ 2500nm***
- ***매우 적은 양의 샘플로도 측정 가능(동일한 Light Path 표준셀 용량의 20%임)***
- ***외부 사이즈는 표준셀과 동일하나 소량의 양(700㎕)으로 측정 가능***
- ***샘플 주입구 부분은 샘플 손실을 최소화하기 위해 반구형으로 제작됨***

* ES Quartz Glass : 1) Transmission Values on Empty Cells : at 200nm appox. 80%
  2) Deviations in a Matched Set : at 200nm max. 0.5%
* Optimal UV Transmission Performance, and Visible and Near Infrared Spectral Performance
* 10mm Path Length Rectangular Cells
* 1-Piece Packed in a Hinged Lid Case
* Suitable for Use with All Standard Cell Holder
* Quartz Cell has Extremely Low Thermal Expansion Coefficient, High Temperature Resistance
* Excellent Chemical Stability and Electrical Insulation
* Low and Stable Ultrasonic Delay Performance

(1) with Frosted Side Wall and Base

〈L1〉

Cat. No	Window Material	Light Path (mm)	Outside Dim. h×w×d (mm)	Inside Width (mm)	Base Thick (mm)	Volume (㎕)	Cover	Cs.	Price, ₩
DH.Cel1551	ES Quartz	10	45×12.5×12.5	2	3.2	700	PTFE-Lid	1ea	87,700



(2) Black-type 700㎕



Individually Packed in a Hinged Lid Case

(2) with Black Side Wall and Base

Cat. No	Window Material	Light Path (mm)	Outside Dim. h×w×d (mm)	Inside Width (mm)	Base Thick (mm)	Volume (㎕)	Cover	Cs.	Price, ₩
DH.Cel1552	ES Quartz	10	45×12.5×12.5	2	3.2	700	PTFE-Lid	1ea	95,000



(1) Frosted-type 1400㎕



Individually Packed in a Hinged Lid Case

Semi-micro Absorption Quartz Cell, with PTFE Lid, Inside Width 4mm, 1400㎕

Transmission Range 190~2500nm, Light Pass 10mm, 2-Side Polished, **세미 마이크로 흡광 셀, 2면 투명**

- ***Supplied by DAIHAN Korea***
- ***재질(Material) : ES(ExtraSil) Synthetic Quartz Glass***
- ***편리한 1Case에 1Ea 포장***
- ***투과 범위(Transmission Range) : 190 ~ 2500nm***
- ***적은 양의 샘플로도 측정 가능(동일한 Light Path 표준셀 용량의 40%임)***
- ***외부 사이즈는 표준셀과 동일하나 소량의 양(1400㎕)으로 측정 가능***
- ***샘플 주입구 부분은 샘플 손실을 최소화하기 위해 반구형으로 제작됨***

* ES Quartz Glass : 1) Transmission Values on Empty Cells : at 200nm appox. 80%
  2) Deviations in a Matched Set : at 200nm max. 0.5%
* Optimal UV Transmission Performance, and Visible and Near Infrared Spectral Performance
* 10mm Path Length Rectangular Cells
* 1-Piece Packed in a Hinged Lid Case
* Suitable for Use with All Standard Cell Holder
* Quartz Cell has Extremely Low Thermal Expansion Coefficient, High Temperature Resistance
* Excellent Chemical Stability and Electrical Insulation
* Low and Stable Ultrasonic Delay Performance

(1) with Frosted Side Wall and Base

〈L1〉

Cat. No	Window Material	Light Path (mm)	Outside Dim. h×w×d (mm)	Inside Width (mm)	Base Thick (mm)	Volume (㎕)	Cover	Cs.	Price, ₩
DH.Cel1522	ES Quartz	10	45×12.5×12.5	4	2	1400	PTFE-Lid	1ea	102,330



(2) Black-type 1400㎕



Individually Packed in a Hinged Lid Case

(2) with Black Side Wall and Base

Cat. No	Window Material	Light Path (mm)	Outside Dim. h×w×d (mm)	Inside Width (mm)	Base Thick (mm)	Volume (㎕)	Cover	Cs.	Price, ₩
DH.Cel1521	ES Quartz	10	45×12.5×12.5	4	2	1400	PTFE-Lid	1ea	106,080

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



(1) Lid-type　Individually Packed in a Hinged Lid Case

Absorption Macro Quartz Cell, with PTFE Lid or Stopper, 2-Side Polished, 3.5㎖
Transmission Range 190~2500nm, Light Pass 10mm, **흡광 마크로 셀**, 2면 투명

■ ***Supplied by DAIHAN Korea***
■ ***재질(Material) : ES(ExtraSil) Synthetic Quartz Glass***　■ ***편리한 1Case에 1Ea 포장***
■ ***투과 범위(Transmission Range) : 190 ~ 2500nm***
∗ ES Quartz Glass : 1) Transmission Values on Empty Cells : at 200nm appox. 80%
2) Deviations in a Matched Set : at 200nm max. 0.5%
∗ Optimal UV Transmission Performance, and Visible and Near Infrared Spectral Performance
∗ 10mm Path Length Rectangular Cells　∗ 1-Piece Packed in a Hinged Lid Case
∗ Suitable for Use with All Standard Cell Holder
∗ Quartz Cell has Extremely Low Thermal Expansion Coefficient, High Temperature Resistance
∗ Excellent Chemical Stability and Electrical Insulation
∗ Low and Stable Ultrasonic Delay Performance

(1) with PTFE Lid

〈L1〉

Cat. No	Window Material	Light Path (mm)	Outside Dim. h×w×d (mm)	Window Thickness (mm)	Volume (㎕)	Cover	Cs.	Price, ₩
DH.Cel1501	ES Quartz	10	45×12.5×12.5	1.25mm×2	3500	PTFE-Lid	1ea	57,550



(2) Stopper-type　Individually Packed in a Hinged Lid Case

(2) with PTFE Stopper

∗ Ideal for Volatile Liquid

Cat. No	Window Material	Light Path (mm)	Outside Dim. h×w×d (mm)	Window Thickness (mm)	Volume (㎕)	Cover	Cs.	Price, ₩
DH.Cel1511	ES Quartz	10	45×12.5×12.5	1.25mm×2	3500	PTFE-Stopper	1ea	132,640



(1) Lid-type　Individually Packed in a Hinged Lid Case

Fluorescence Macro Quartz Cell, with PTFE Lid or Stopper, 4-Side Polished, 3.5㎖
Transmission Range 190~2500nm, Light Pass 10mm, **형광 마크로 셀**, 4면 투명

■ ***Supplied by DAIHAN Korea***
■ ***재질(Material) : ES(ExtraSil) Synthetic Quartz Glass***　■ ***편리한 1Case에 1Ea 포장***
■ ***투과 범위(Transmission Range) : 190~2500nm***　■ ***광택 처리된 4면의 Window와 바닥***
∗ ES Quartz Glass : 1) Transmission Values on Empty Cells : at 200nm appox. 80%
2) Deviations in a Matched Set : at 200nm max. 0.5%
∗ Optimal UV Transmission Performance, and Visible and Near Infrared Spectral Performance
∗ 10mm Path Length Rectangular Cells　∗ 1-Piece Packed in a Hinged Lid Case
∗ Suitable for Use with All Standard Cell Holder
∗ Quartz Cell has Extremely Low Thermal Expansion Coefficient, High Temperature Resistance
∗ Excellent Chemical Stability and Electrical Insulation
∗ Low and Stable Ultrasonic Delay Performance

(1) with PTFE Lid

〈L1〉

Cat. No	Window Material	Light Path (mm)	Outside Dim. h×w×d (mm)	Window Thickness (mm)	Volume (㎕)	Cover	Cs.	Price, ₩
DH.Cel1531	ES Quartz	10	45×12.5×12.5	1.25mm×2	3500	PTFE-Lid	1ea	167,970



(2) Stopper-type　Individually Packed in a Hinged Lid Case

(2) with PTFE Stopper

∗ Ideal for Volatile Liquid

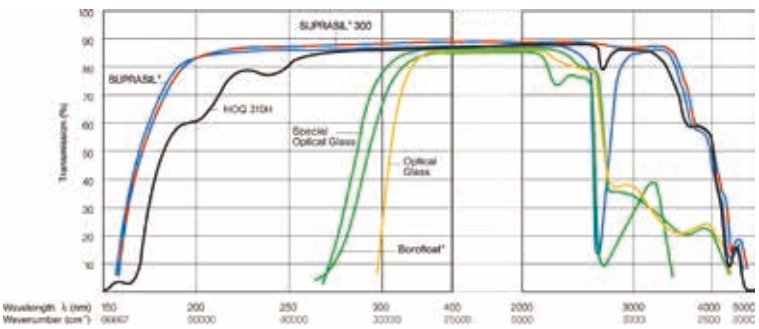
Cat. No	Window Material	Light Path (mm)	Outside Dim. h×w×d (mm)	Window Thickness (mm)	Volume (㎕)	Cover	Cs.	Price, ₩
DH.Cel1541	ES Quartz	10	45×12.5×12.5	1.25mm×2	3500	PTFE-Stopper	1ea	265,150

Hellma Best Celler : Spectrophotometer Cell

■ *Supplied by HELLMA® in Germany*

Material and Transmission Curves

Material	Trademarks	Wavelength
Optical Glass	■ OG ■	360 ~ 2500 nm
Borofloat®	■ BF ■	330 ~ 2500 nm
Special Optical Glass	■ OS ■	320 ~ 2500 nm
HOQ 310H	■ UV ■	260 ~ 2500 nm
Quartz SUPRASIL®	■ QS ■	200 ~ 2500 nm
Quartz SUPRASIL® 300	■ QX ■	200 ~ 3500 nm



Hellma Absorption Cell

NEW

■ Macro Cells, Quartz & Glass, 0.35~35㎖
with PTFE Lid or Stopper



100 10 mm | 100 50 mm | 100 100 mm | 402.000 10 mm | 110 10 mm | 110 50 mm | 110 100 mm

〈L1〉

Catalogue Number	Window Material	Light Path (mm)	Outside Dim. h×w×d (mm)	Inside Width (mm)	Base Thickn. (mm)	Volume (㎕)	Remarks	Pk.	Price, ₩
HE.100.OS2	Special Optical Glass	2	45×12.5×4.5	9.5	1.5	700	Glass Lid	1ea	257,990
HE.100.OS10		10	45×12.5×12.5	9.5	1.5	3500	PTFE Lid	1ea	181,320
HE.100.OS20		20	45×12.5×22.5	9.5	1.5	7000	PTFE Lid	1ea	234,990
HE.100.OS40		40	45×12.5×42.5	9.5	1.5	14000	PTFE Lid	1ea	300,150
HE.100.OS50		50	45×12.5×52.5	9.5	1.5	17500	PTFE Lid	1ea	369,850
HE.100.OS100		100	45×12.5×102.5	9.5	1.5	35000	PTFE Lid	1ea	621,470
HE.100.QS1	± 0.1 mmQuartz SUPRASIL®	1	45×12.5×3.5	9.5	1.5	350	Glass Lid	1ea	363,790
HE.100.QS2		2	45×12.5×4.5	9.5	1.5	700	Glass Lid	1ea	363,790
HE.100.QS5		5	45×12.5×7.5	9.5	1.5	1750	PTFE Lid	1ea	369,850
HE.100.QS10		10	45×12.5×12.5	9.5	1.5	3500	PTFE Lid	1ea	279,530
HE.100.QS20		20	45×12.5×22.5	9.5	1.5	7000	PTFE Lid	1ea	415,330
HE.100.QS40		40	45×12.5×42.5	9.5	1.5	14000	PTFE Lid	1ea	527,450
HE.100.QS50		50	45×12.5×52.5	9.5	1.5	17500	PTFE Lid	1ea	566,870
HE.100.QS100		100	45×12.5×102.5	9.5	1.5	35000	PTFE Lid	1ea	1,006,420
HE.100.QX1	Quartz SUPRASIL® 300	1	45×12.5×3.5	9.5	1.5	350	Glass Lid	1ea	518,390
HE.100.QX2		2	45×12.5×4.5	9.5	1.5	700	Glass Lid	1ea	485,040
HE.100.QX5		5	45×12.5×7.5	9.5	1.5	1750	PTFE Lid	1ea	445,620
HE.100.QX10		10	45×12.5×12.5	9.5	1.5	3500	PTFE Lid	1ea	397,130
HE.100.QX50		50	45×12.5×52.5	9.5	1.5	17500	PTFE Lid	1ea	676,030
HE.100.QX100		100	45×12.5×102.5	9.5	1.5	35000	PTFE Lid	1ea	1,112,500
HE.402.000.OG10	Optical Glass	10	40×23.6×15	18,5	2	4500	PTFE Lid	1ea	240,700
HE.402.000.OG50		50	40×23.6×55	18,5	2	22500	PTFE Lid	1ea	309,230
HE.110.QS1	Quartz SUPRASIL®	1	52×12.5×3.5	9.5	1.5	350	PTFE Stopper	1ea	554,780
HE.110.QS2		2	52×12.5×4.5	9.5	1.5	700	PTFE Stopper	1ea	554,780
HE.110.QS5		5	46×12.5×7.5	9.5	1.5	1750	PTFE Stopper	1ea	497,170
HE.110.QS10		10	46×12.5×12.5	9.5	1.5	3500	PTFE Stopper	1ea	457,770
HE.110.QS20		20	46×12.5×22.5	9.5	1.5	7000	PTFE Stopper	1ea	621,470
HE.110.QS40		40	46×12.5×42.5	9.5	1.5	14000	2 Stoppers	1ea	818,480
HE.110.QS50		50	46×12.5×52.5	9.5	1.5	17500	2 Stoppers	1ea	897,290
HE.110.QS100		100	46×12.5×102.5	9.5	1.5	35000	2 Stoppers	1ea	1,724,790
HE.110.QX1	Quartz SUPRASIL® 300	1	52×12.5×3.5	9.5	1.5	350	PTFE Stopper	1ea	657,850
HE.110.QX5		5	46×12.5×7.5	9.5	1.5	1750	PTFE Stopper	1ea	609,320
HE.110.QX10		10	46×12.5×12.5	9.5	1.5	3500	PTFE Stopper	1ea	588,090

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Hellma Fluorescence Cell


101
10×10 mm


111
10×10 mm

NEW

Fluorescence Macro Cells, Quartz
with PTFE Lid or Stopper
3.5~7.0㎖

〈L1〉

Catalogue Number	Window Material	Light Path (mm)	Outside Dim. h×w×d (mm)	Inside Width (mm)	Base Thickn. (mm)	Volume (㎕)	No. of Windows	Remarks	Pk.	Price, ₩
HE.101.QS10	Quartz SUPRASIL®	10×10	45×12.5×12.5	10	1.25	3500	4	On Request with a Polished Base	1ea	494,140
HE.101.QS20		10×20	45×12.5×12.5	10	1.25	7000	4		1ea	967,020
HE.111.QS10	Quartz SUPRASIL®	10×10	46×12.5×12.5	10	1.25	3500	4		1ea	657,850


104F
10×4 mm


108F
10×4 mm


114F
10×4 mm

NEW

Fluorescence Semi-micro Cells, Quartz
with PTFE Lid or Stopper
1.0~1.4㎖

〈L1〉

Catalogue Number	Window Material	Light Path (mm)	Outside Dim. h×w×d (mm)	Inside Width (mm)	Base Thickn. (mm)	Volume (㎕)	Remarks	Pk.	Price, ₩
HE.104F.QS10	Quartz SUPRASIL®	10×4	45×12.5×12.5	4	1.25	1400	On Request with a Polished Base	1ea	903,380
HE.108F.QS10	Quartz SUPRASIL®	10×4	45×12.5×12.5	4	9	1000		1ea	1,145,840
HE.114F.QS10	Quartz SUPRASIL®	10×4	46×12.5×12.5	4	1.25	1400		1ea	1,112,500


104.002F
10×2 mm


108.002F
10×2 mm


115F
10×2 mm

NEW

Fluorescence Micro Cells, Quartz
with PTFE Lid or Stopper
400~700㎕

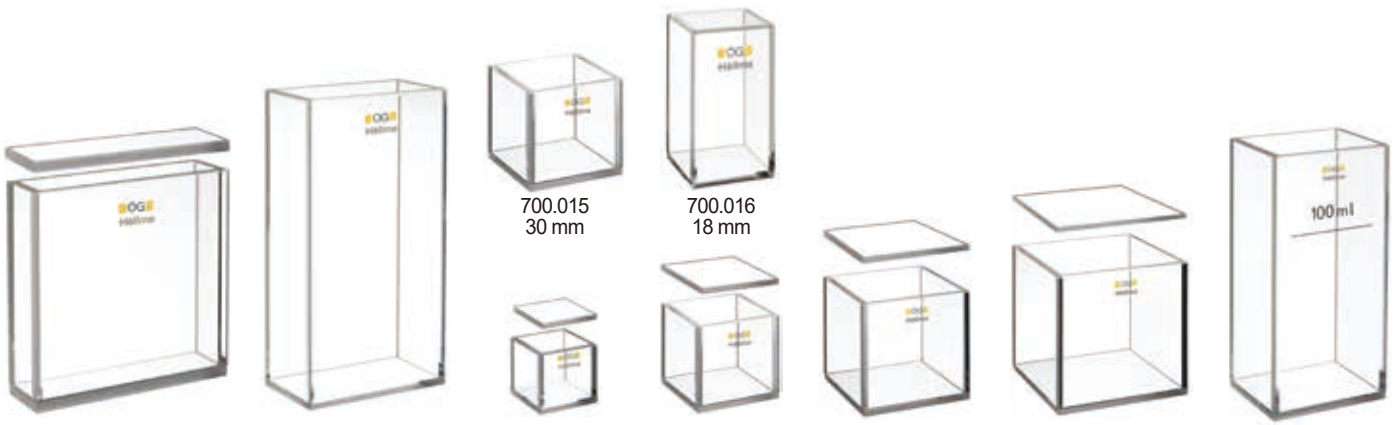
〈L1〉

Catalogue Number	Window Material	Light Path (mm)	Outside Dim. h×w×d (mm)	Inside Width (mm)	Base Thickn. (mm)	Volume (㎕)	Remarks	Pk.	Price, ₩
HE.104.002F.QS10	Quartz SUPRASIL®	10×2	45×12.5×12.5	2	1.25	700	On Request with a Polished Base	1ea	1,006,420
HE.108.002F.QS10	Quartz SUPRASIL®	10×2	45×12.5×12.5	2	9	500		1ea	1,048,850
HE.115F.QS10	Quartz SUPRASIL®	10×2	40×12.5×12.5	2	1.25	400		1ea	1,082,170

Cells Material · Color Code · Transmission Range

Material	Trademarks	Wavelength
Optical Glass	OG	360 ~ 2500 nm
Borofloat®	BF	330 ~ 2500 nm
Special Optical Glass	OS	320 ~ 2500 nm
HOQ 310H	UV	260 ~ 2500 nm
Quartz SUPRASIL®	QS	200 ~ 2500 nm
Quartz SUPRASIL® 300	QX	200 ~ 3500 nm

Hellma Large Glass Cells, 6~100㎖, with or without Glass Lids



〈L1〉

Catalogue Number	Window Material	Light Path (mm)	Outside Dim. H×W×D (mm)	Inside Dim. H×W×D (mm)	Volume (㎕)	Remarks	Pk.	Price, ₩
HE.700.000.OG10 **HE.700.000.OG20**	Optical Glass	10± 0.2 20± 0.2	53×55×15 53×55×25	50×50×10 50×50×20	20000 40000	Glass Lid	1ea 1ea	478,980 657,850
HE.700.010.OG20	Optical Glass	20± 0.2	82×44.4×24.4	80×40×20	56000	Without Lid	1ea	542,650
HE.700.015.OG28	Optical Glass	28± 0.2	35×35×32	33×31×28	22000	Without Lid	1ea	724,520
HE.700.016.OG	Optical Glass	18± 0.2	38×22×22	36×18×18	10000	Without Lid	1ea	706,320
HE.704.000	Optical Glass	20± 0.2	22.5×25×25	20×20×20	6000	Glass Lid	1ea	788,170
HE.704.001	Optical Glass	30± 0.2	32.5×35×35	30×30×30	22500	Glass Lid	1ea	797,240
HE.704.002	Optical Glass	40± 0.2	42.5×45×45	40×40×40	56000	Glass Lid	1ea	578,990
HE.704.003	Optical Glass	50± 0.5	52.5×55×55	50×50×50	88000	Glass Lid	1ea	797,240
HE.740.000	Optical Glass	34.5± 0.2	100×50×39.5	97×44×34.5	100000	Without Lid	1ea	397,130

Hellma Cell and Optical Element for Special Applications

(1)



(2)



(1) Demountable Cells, Quartz Cells with Detachable Windows

〈L1〉

Catalogue Number	Window Material	Light Path (mm)	Outside Dim. H×W×D (mm)	Thickness (mm)	Inside Width(mm)	Volume (㎕)	Remarks	Pk.	Price, ₩
HE.106.QS0.01 **HE.106.QS0.1** **HE.106.QS0.2** **HE.106.QS0.5**	Quartz SUPRASIL®	0.01± 0.003 0.1± 0.005 0.2± 0.005 0.5± 0.010	45×12.5 45×12.5 45×12.5 45×12.5	2.5 2.6 2.7 3	9 9 9 9	2.6 26 52 130		1ea 1ea 1ea 1ea	833,620 691,150 691,150 691,150
HE.013.000			45×12.5×12.5				Holder for Cells with Detachable Windows, for Cell Type 106	1ea	255,750
HE.124.QS0.1	Quartz SUPRASIL®	0.1± 0.005	Φ 22	2.6	Φ 15	18		1ea	830,600
HE.020.001	Spring Clap	0.01 ~ 1					For Cell Type 124 and 201	1ea	531,450

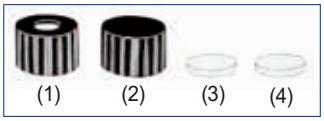
(2) Aluminium Spacers

〈L1〉

Catalogue Number	Description	Remarks	Pk.	Price, ₩
HE.013.101	Aluminium Spacer, 38×12.5×9 mm	To fit Cells with 1 mm Light Path into 10 mm Cell Holder	1ea	182,340
HE.013.102	Aluminium Spacer, 38×12.5×8 mm	To fit Cells with 2 mm Light Path into 10 mm Cell Holder	1ea	182,340
HE.013.105	Aluminium Spacer, 38×12.5×5 mm	To fit Cells with 5 mm Light Path into 10 mm Cell Holder	1ea	182,340

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



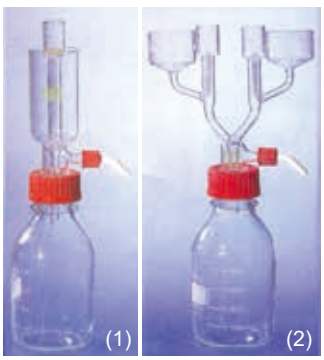
Hellma® Screwcap, for Cells, 스크류 캡

■ ***Supplied by Hellma® in Germany***

∗ For cell models 117.100/117.100F/117.104/117.104F
∗ Able to Choice according to Purpose of Use
∗ for Sealable Cell

〈L1〉

Cat. No	Description	Ea. Price, ₩
HE.011.600	(1) Open Screwcap, GL14, with silicone seal(septum)	19,140
HE.011.601	(2) Closed Screwcap, GL14, with silicone seal	16,580
HE.011.650	(3) Replacement silicone seal	13,820
HE.011.651	(4) Replacement silicone seal, PTFE coated on one side	11,580



"witeg" Cell Washer, for Spectrophotometer Cells, <Germany-Made> 셀 세척기

∗ with Schott Lab Bottle 500㎖
∗ Ideal for Washing Cell, Tubes Small Instrument
∗ Autoclavable
∗ With Outer Dimensions not Larger than Approx.20mm
∗ Activate flushing by lightly pressing inverted cell onto silicone gasket

〈L1〉

Cat. No	Description	Ea. Price, ₩
WI.2990111	(1) Cell Washer, Single for 100㎖ Washing Solution.	220,590
WI.2990211	(2) , Double for 2×50㎖ Washing Solution.	307,570

Spare Connect, Cap and Septa

〈L6〉

Cat. No	Description	Ea. Price, ₩
SL.Con3041	Connect, PBT, Bent, GL 14, od. 8 mm tube ***New***	2,350
DU.2922710	Cap, PBT, Open, Screw GL45, Hole id. Φ34mm	11,050
DU.2923826	Septa, Hole, GL45, od 42×id 26mm	27,840



Hellma® Cell Cleaning Holder, for Glass & Quartz 10mm Cells, Ultra Sound Cleaning
For 4 Cells with 10mm Light Path, 유리 & 석영셀 홀더, 세척용 셀홀더

■ ***Supplied by Hellma® in Germany*** ■ ***Cell을 초음파 세척시 사용하는 홀더***
■ ***Plastic Cell Holder for 4 cells with 10mm light path for Ultra Sound Cleaning Purposes.***

〈L1〉

Cat. No	Description	Ea. Price, ₩
HE.325.000	**Plastic Cell Holder** : 4 Holes for 10mm Cells	265,100

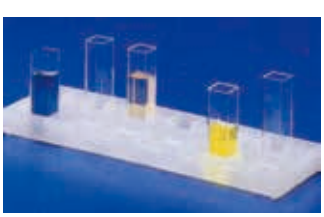


Hellma® CELL Holder, PP, for 16 Cells, −10℃+125/140℃
For Path 10mm Cell, Autoclavable, 16 Holes, <Germany-Made> 스펙트로셀 스탠드

∗ Material : Polypropylene(PP)
∗ for Path 10mm Cells

〈L1〉

Cat. No	Description	Ea. Price, ₩
HE.3001.10	Cuvette Holder, 16 cells, 210×70×h35 mm	60,280



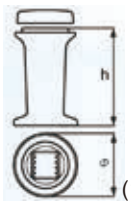
Kartell® PE Cuvette Holder, 12 Places, for Path 10mm Cells
<Italy-Made> PE 스펙트로-셀 스탠드

∗ Holds 12×12mm Cuvettes Vertically in Firm Recesses for Preparation Work
∗ Holds 12×10mm Cuvettes Horizontally for Storage and Protection.
∗ In Storage Mode the Rack are Stackable
∗ Made of Polyethylene

〈L1〉

Cat. No	Description	Ea. Price, ₩	Pk. Price, ₩
KA.260	Cuvettes Holder, 12 Hole, 50×170×h15mm	5,130	5ea 24,820

Articles	Cat. No	Description



(1)

DURAN® Premium Staining Dish & Jar, With Cover, Made of Soda-lime Glass
글라스 염색 밧트

■ ***Supplied by DURAN® in Germany***

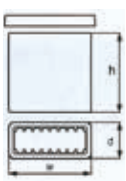
∗ ISO/DIN : Hydrolytic Class 5(DIN-ISO 719), Acid Resistance Class 3(DIN 12116)
Alkali Resistance Class 2(DIN-ISO 695)

〈L1〉

(1) Staining Jar "Coplin-type"

Ea. Price,₩	Pk.	Price, ₩
27,600	10ea	267,630

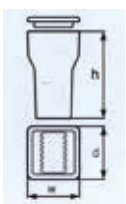
DU.2331900 Staining Jar, Coplin-type, Vertical-working
for 10 Slide (76×26mm),
Φ66×h108mm



(2)

(2) Staining Dish "Hellendahl-type"

Ea. Price,₩	Pk.	Price, ₩
32,090	10ea	311,120

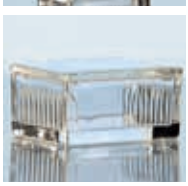
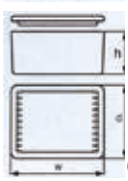
DU.2331400 Staining Dish, Hellendahl-type, Vertical-working
for 16 Slide (76×26mm),
w90×d40×h90mm



(3)

(3) Staining Dish "Wide-top Hellendahl-type"

Ea. Price,₩	Pk.	Price, ₩
32,090	10ea	311,120

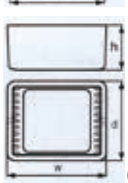
DU.2331500 Staining Dish Wide-top Hellendahl-type, Vertical-working
for 16 Slide (76×26mm),
w60×d60×h100mm



(4)

(4) Staining Dish "Schiefferdecker-type"

Ea. Price,₩	Pk.	Price, ₩
22,870	10ea	221,580

DU.2331600 Staining Dish "Schiefferdecker-type, Horizontal,
for 10 Slide (76×26~52mm) or 20 Slide(76×26mm),
w90×d70×h40mm

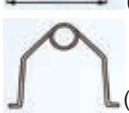


(5)

Staining Tray Jar, Separately

(5) Staining Tray only, Horizontal

Ea. Price,₩	Pk.	Price, ₩
45,030	10ea	436,640

DU.2131700 Staining Tray only, Horizontal-Working,
for 10 Slide (76×26~52mm), up to w52mm Slide glass
w88×d40×h40mm


(6)

(6) Stainless-steel Handle only, For (5) Staining Tray

Ea. Price,₩	Pk.	Price, ₩
4,700	10ea	45,430

DU.2907500 Stainless-steel Handle only,
for DU.2131700 Staining Tray



(7)

(7) Staining Jar(Box) with Cover only

Ea. Price,₩	Pk.	Price, ₩
37,940	10ea	367,880

DU.2331800 Staining Jar(Box) with Cover only,
for Du.2131700 Staining tray,
w108×d90×h70mm



Wheaton® Premium White Screwcap Coplin Staining Jar, Glass, Short- & High-form
With PP Screwcap, for 10 Slide of 75×25mm, <USA-Made> 글라스 염색밧트, PP캡 포함

■ ***Staining 및 Mini Chromatography Developing Chamaber 용***

∗ This unit holds ten 3″×1″ (75mm×25mm) Slide, Back-to-Back that Extend above the Opening so you can Manipulate them without Using Forceps.
∗ Approx. Inside Bottom Dimensions : 26×26×h70mm ∗ Manufactured from Soda-Lime Glass.
∗ The Screwcap is made of Linerless White Polypropylene to Reduce Solvent Evaporation and Spills during Storage.
∗ Rectangular Base and Holds Approximately 55㎖.

〈L1〉

Ea.	Price, ₩	Cs.	Price, ₩
	50,950	6ea	282,770
	60,290	6ea	334,620
	21,040	6ea	116,670

WH.900520 **Short-form Jar,** Inside 26×26×h70mm
WH.900570 **High-form Jar,** inside 26×26×h90mm
WH.900522 Spare Cap 58-400



Wheaton® Slide Grip, PP, for 5 Slide & Vertical Coplin Jar, Autoclavable
For 5 Slide of 75×25mm, <USA-Made> Slide Glass 홀더, 코플린자용, 슬라이드글라스 5개용

∗ Made of Polypropylene(PP)
∗ Safely grips 5 Slide from One End for Easy Handling and Transferring.
∗ Allows User to easily Immerse Slides for Staining in Groups of 5.
∗ Fits into WHEATON Coplin Staining Jars.

〈L1〉

Ea.	Price, ₩	Cs.	Price, ₩
	45,880	2ea	84,880

WH.900575 Slide Grip only, PP, for 5 Slides

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description


(1)


(2)


(3)

(4)

Kartell® Staining Jar, PMP, Transparent, Durability
0℃~150/160℃, <Italy-Made> PMP 플라스틱 염색밧트

* 180℃ Heat-resistant, Chemical Resistance
* Resistance / Durability was Maintained in Xylene Solution during 7 days
* Substitute for Glass Staining Jars, with Cover

〈L1〉

(1) "Schiefferdecker-type"

		Ea. Price,₩	Pk.	Price, ₩
KA.351	Staining Jar, Horizontal-working, 85×70×h50mm 20 Slide (76×26mm) back to back	24,840	4ea	96,380

(2) "Wide-top Hellendahl-type"

		Ea. Price,₩	Pk.	Price, ₩
KA.355	Staining Jar, Vertical-working, 58×54×h86mm 16 Slide (76×26mm) back to back	19,830	4ea	76,900

(3) Staining Jar(Box) with 2-cover, only

* One of 2 Covers is Edge Open Grooves for Covering when use KA.354

		Ea. Price,₩	Pk.	Price, ₩
KA.353	Staining Jar only, with 2-cover Use with 81×101×h70mm	35,550	4ea	137,940

(4) 20 Slide Staining Tray(PP) only

		Ea. Price,₩	Pk.	Price, ₩
KA.354	Slide Staining Tray only, Horizontal-working 70×86×h21mm (Excluding Handle Height)	13,040	2ea	25,280



SciLab® Staining Rack, Stainless-steel, for 20 Slides of 75×25mm
With Foldable Handle, Easy Handling, 스테이닝-랙, 슬라이드글라스 20개용

■ ***Made in Korea***

〈L1〉

* Safety grips 20 slides for Easy Handling and Transferring

		Ea.	Price, ₩
SL.Rac7095	Staining Rack, Stainless-steel, 20 Slides		17,000



SciLab® Slide Staining Support, Stainless-steel, 40×L300mm, 슬라이드대

■ ***Made in Korea***

〈L1〉

		Ea.	Price, ₩
SL.Sup7051	Support, Slide Staining, Stainless-steel, 40×L300mm		4,850


(1) Slide Staining Rack


(2) Slide Staining Jar

Simport® EasyDip™ Slide Staining Rack & Jar, Hold up to 12 Slide, Autoclavable
With Individual Slide Slots, −170℃+210℃, 슬라이드 스태이닝용 랙 & 자

■ ***Supplied by Simport® in Canada***
■ ***Dimension : (1) Rack for 12 Slide(76×26mm) : 60×64×h97mm, with Handle***
(2) Staining Jar for Rack : 64×76×h92mm, 80㎖, with Lid

〈L1〉

(1) Staining Rack, for 12 Slide

		Ea.	Price, ₩	Cs.	Price, ₩
SP.M905.12DGY	Slide staining Rack, Dark Gray	21,150		6ea	120,790

(2) Staining Jar, 64×76×h92mm

		Ea.	Price, ₩	Cs.	Price, ₩
SP.M900.12B	Slide staining Jar, Blue	19,180		6ea	109,500
SP.M900.12W	, White	19,180		6ea	109,500

(3) Aluminum Holder, for 6 Jar, 425×102×h38mm

		Ea.	Price, ₩
SP.M906	Aluminum Holder, for 6 Jar		121,240


(3) Aluminum Holder

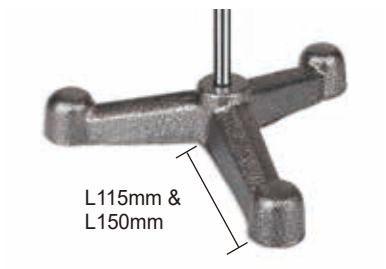
Articles	Cat. No	Description



Porcelain Support Stand, Rectangular, Good for Buret · Funnel &c.
With Center-hole for Rod Φ10×h650mm, 4각 자제 뷰렛 스탠드

■ ***Supplied by SciLab Korea*** ∗Made of Porcelain ∗with Nylon & ABS Feet to Prevent Sliding and Vibration ‹L1›
∗Strong and Durable Support Base ∗with Zinc Plated Steel Rods Φ10×h650mm

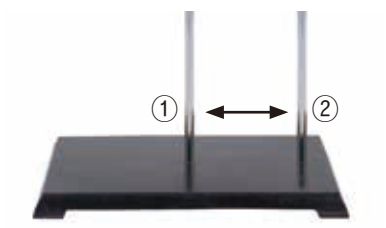
		Ea.	Price, ₩
SL.Sta5001	Stand, Porcelain, Φ10×h650 mm Rod, 285×147×h35mm, 1.9kg		18,340



SciLab® Heavy-duty Triangle Steel Stand, with Support Rod
With Stainless-steel Rod Φ11×h600 & h800mm, 철제 3각 스탠드

■ ***Made in Korea***
∗Heavy and Rugged Casting Triangle Steel Base for Stability
∗with Φ11×h600mm / h800mm Steel Rod, 1.5P Screw ∗Steel Base & Stainless-steel(SS) Rod ‹L1›
∗Support Rod and Base Precisely Threaded to Provide Stability

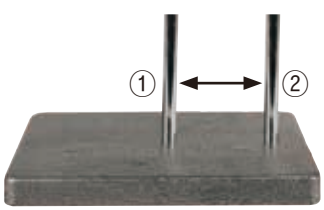
		Ea.	Price, ₩
SL.St8101	Triangle Stand, Steel, Φ11×h600mm Rod, Base Leg-115mm		28,400
SL.St8102	, Φ11×h800mm Rod, -150mm		32,000



Cast-Iron Support Stand, Rectangular, Good for Burette Stand
With ① Center- & ② Side-Hole for Rod Φ10×h570 & 650mm, 4각 철제 스탠드

■ ***Supplied by SciLab Korea*** ■ ***Movable Rod Position to Center or Edge***
∗with a Cast Iron Base & Rod ‹L1›
∗with Zinc Plated Steel Rods Φ10×h570 / 650mm

		Ea.	Price, ₩
SL.Sta7055	Stand, Cast-Iron, Φ10×h570mm Rod, 200×136×h23mm, 0.8kg		16,670
SL.Sta7056	, Φ10×h650mm Rod, 295×168×h25mm, 1.5kg		27,490

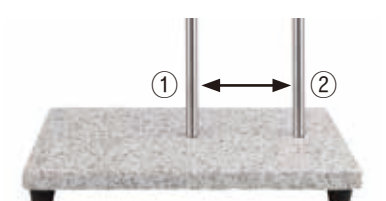


with 2-Holes for the Rod Position

SciLab® Heavy-duty Rectangular Cast-Iron Stand, Good for Burette Stand
With ① Center- & ② Side-Hole for SS Rod Φ11×h600 & 800mm, 중량 철제 4각 스탠드

■ ***Made in Korea*** ■ ***Movable Rod Position to Center or Edge***
∗Heavy-Duty Support Base is made with a Cast Iron Base ‹L1›
∗with Stainless-steel(SS) Rod Φ11×h600 / 800mm, 1.5P Screw

		Ea.	Price, ₩
SL.Sta8110	Rectangular Stand, Steel, Φ11×h600mm Rod, 120×180×h23mm, 1.0kg		29,000
SL.Sta8111	, Φ11×h800mm Rod, 150×220×h23mm, 1.5kg		31,800



Milky-Dot Marble Stand

SciLab® Milky-Dot Marble Stand, with Rubber Feet, Good for Burette Stand, Rectangular
With ① Center- & ② Side-Hole and a SS Rod Φ11×h800mm, 18mm Thick 대리석 뷰렛 스탠드

■ ***Made in Korea*** ∗with 2 Position Hole for Rod : Center & on Side ‹L1›
∗with a Stainless-steel Rod Φ11×h800mm

		Ea.	Price, ₩
SL.St9104	Stand, Milky, Marble, 130×190 mm, Φ11×h800mm SS Rod, 1.5P Screw, 1.3kg		34,000
SL.St9105	, 300×200 mm, Φ11×h800mm SS Rod, 1.5P Screw, 3.5kg		36,600



DAIHAN® Plate Stand, High Quality, with Stainless-steel Rod Φ16 & 23mm
Ideal for the Stand of Homogenizer & Overhead Stirrers

■ ***High-Quality Plate-type Stand with Support Rod and Silicone Rubber Pad adhered*** ‹L1›
■ ***with 1.5P Screwed Support Rod made of Stainless-steel specially designed***

		Ea.	Price, ₩
DH.WOS501510	(1) Standard Steel Plate Stand **"ST110"**, Powder Coated, with Base Plate/Silicone Pad for Stirrer and Homogenizer(w20×35cm), and 1.5P Screw Rod **"RD 511"**, Φ16×h800mm		95,000
DH.WOS501515	(2) Wide Steel Plate Stand **"ST120"**, Powder Coated, with Base Plate/Silicone Pad for Stirrer and Homogenizer(w30×40cm), and 1.5P Screw Rod **"RD 522"**, Φ23×h1000mm		111,300

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



DAIHAN® Heavy Duty Safety Stand, High Safety, with Stainless-steel Rod Φ23mm
Ideal for the Stand of Overhead Stirrers

■ ***Never Fall Down by Safety Mechanism.***
■ ***High-Safety H-/U-type Stand with Stainless-steel Support Rod***

〈L1〉

(1) Adjustable Foot Distance Deluxe Safety Stand

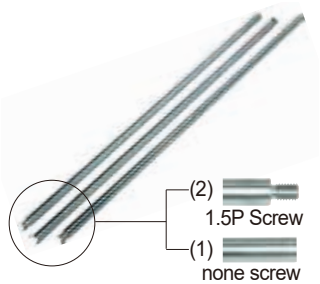
		Ea.	Price, ₩
DH.WOS501520	Deluxe Safety Stand **"ST200"**, H-type Base w39~75cm adjust, RodΦ23×h1200mm		153,800

(2) U-type Safety Stand

		Ea.	Price, ₩
DH.WOS1177	Safety Stand **"KA1177"**, U-type Base w34/29×27/21cm, RodΦ23×h800mm		73,800

(3) Universal Jumbo Clamp Holder, for Stand Rod

		Ea.	Price, ₩
SL.Cla8011	Clamp Holder **"CL200"**, Cast Aluminum, Grip Capacity, Φ23mm for Stand Rod		16,250



Stainless-steel Rod
With or Without 1.5P Screw

DAIHAN® High-Quality Stainless-steel (#304) Rod, for Stand Bases, Φ16 & Φ23 mm

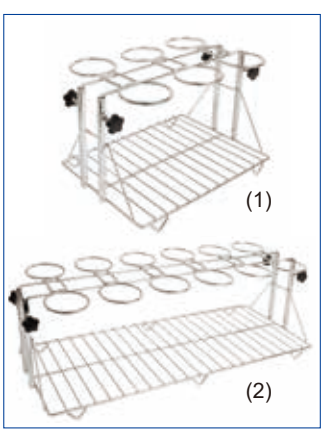
〈L1〉

(1) Plain-type, without Screw

		Ea.	Price, ₩
DH.WOS502001	Stainless-steel Rod, **"RD501"**, Φ16×h800mm , non-screw		23,800
DH.WOS502002	, **"RD502"**, Φ16×h1000mm, non-screw		26,300
DH.WOS502003	, **"RD503"**, Φ16×h1200mm, non-screw		28,800
DH.WOS502031	, **"RD531"**, Φ23×h800mm , non-screw		31,300
DH.WOS502033	, **"RD533"**, Φ23×h1200mm, non-screw		33,800

(2) 1.5P Screw-type Rod

		Ea.	Price, ₩
DH.WOS502011	Stainless-steel Rod, **"RD511"**, Φ16×h800mm , 1.5P Screw		26,300
DH.WOS502012	, **"RD512"**, Φ16×h1000mm, 1.5P Screw		25,000
DH.WOS502013	, **"RD513"**, Φ16×h1200mm, 1.5P Screw		28,800
DH.WOS502021	, **"RD521"**, Φ23×h800mm , 1.5P Screw		30,000
DH.WOS502022	, **"RD522"**, Φ23×h1000mm, 1.5P Screw		30,000
DH.WOS502023	, **"RD523"**, Φ23×h1200mm, 1.5P Screw		32,500



SciLab® Universal Funnel Stand, Stainless-steel, Adjustable Height, 6- & 12-holes
Ideal for Funnel & Separator Funnel Holes Φ70~Φ140mm, 스텐선 만능 깔대기 스탠드, 높이 조절식

■ ***Made in Korea***
* Made of Fine Heavy-gauge Stainless-steel Wire. * With Non-slip Rubber Base Pad and Adjustable Height
* Φ70~Φ90mm Hole Stands : Adjustable Height 190mm~300mm
* Φ115~Φ140mm Hole Stands : Adjustable Height 300mm~500mm

〈L1〉

(1) 6 Holes Funnel Stand

		Ea.	Price, ₩
SL.Sta7011	Funnel Stand, Φ 70mm×6Holes, h19~30cm		59,600
SL.Sta7012	, Φ 90mm×6Holes, h19~30cm		59,600
SL.Sta7013	, Φ115mm×6Holes, h30~50cm		148,170
SL.Sta7014	, Φ140mm×6Holes, h30~50cm		177,150

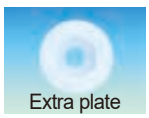
(2) 12 Holes Funnel Stand

		Ea.	Price, ₩
SL.Sta7021	Funnel Stand, Φ 70mm×12Holes, h19~30cm		80,550
SL.Sta7022	, Φ 90mm×12Holes, h19~30cm		80,550
SL.Sta7023	, Φ115mm×12Holes, h30~50cm		201,290
SL.Sta7024	, Φ140mm×12Holes, h30~50cm		217,370

Articles	Cat. No	Description



Utility Funnel Holder, PP, for Φ25~Φ150mm Funnels, Fit to Φ8~Φ11mm Rod
With Extra Reduce Aperture Plate, −10℃+125/140℃, PP 깔대기 홀더, 대소 편넬수용



■ ***Supplied by SciLab Korea***
* Made of Polypropylene
* Corrosion Free.
* Can Hold Funnels Φ25~Φ150mm
* Extra Plate Provided can be Hold Funnels Φ25~Φ76mm.
* Two Tapered Wedges Ensure Firm Grip on Rods Having Φ8~Φ11mm

〈L1〉

		Ea.	Price, ₩
SL.Fun3101	Funnel Holder, with Extra Plate, for 1-Funnel Φ25~150mm		4,350



Kartell® Funnel Holder, PP, for Φ25~Φ170mm Funnels, Fit to Φ8~Φ14mm Rod
−10℃+125/140℃, <Italy-Made> PP 깔대기 홀더

■ ***Single or Double Holder for Funnels of Φ25~Φ170mm***
■ ***Without Adaptor it Can be Used with Powder Funnels with Stem Diameter not Exceeding 35mm.***
* Adapter Can be Adjusted the Holder Inner Diameter
* Screw Tension Clamp for Φ8~Φ14mm Stand Rod

〈L1〉

		Ea.	Price, ₩
KA.268	Funnel Holder, for 1-funnel		23,390
KA.269	, for 2-funnel		30,890



Kartell® Separatory Funnel Holder, PP, for 0.1~1Lit Funnels, Fit to Φ8~Φ14mm Rod
−10℃+125/140℃, <Italy-Made> PP 분액여두 홀더

■ ***Horseshoe Funnel Holder Especially for Separating Funnels over Φ75mm, 100㎖~1,000㎖***
* Screw Tension Clamp for Φ8~Φ14mm Stand Rod
* 140℃ Heat-resistant, Chemical resistance, Corrosion resistant, Impact resistance

〈L1〉

		Ea. Price,₩	Cs.	Price, ₩
KA.970	Funnel Holder, for 1-Separatory Funnel 125-1000mm	12,980	5ea	62,890



SciLab® Stainless-steel Wire Imhoff Cone Rack-Stand, for 1000㎖ Imhoff Cone
With 3- & 4-Places, Φ4.9mm, Rustless, 임호프콘 랙

■ ***Made in Korea*** * Supplied without Imhoff Cones

〈L1〉

(1) 3-Places Racks

		Ea.	Price, ₩
SL.Rac7091	Imhoff Cone Rack, Stainless-steel, 3-Holes, 460×160×h420mm		63,420

(2) 4-Places Racks

		Ea.	Price, ₩
SL.Rac7092	Imhoff Cone Rack, Stainless-steel, 4-Holes, 600×160×h420mm		79,570



SciLab® Nessler Tube Stand, Stainless-steel, 10-Hole, with Acrylic-plate
For 50 & 100㎖ Nessler tube, 스텐선 비색관대

■ ***Made in Korea*** ■ ***Nessler tube stand with white opaque reflector set at an angle below tubes.***
* Attached White Acrylic Plate to Increase Colorimetric Effect.

〈L1〉

		Ea.	Price, ₩
SL.Sta7041	Tube Stand, for 50㎖ Nessler tube , 10-holes, 330×92×h165mm		24,800
SL.Sta7042	, for 100㎖ Nessler tube, 10-holes, 390×105×h200mm		26,800



SciLab® Stainless-steel Pipet Stand for 24 Places, 190×85×h250mm
Ideal for Measuring & Volumetric Pipets, Finished Surface, 스테인레스 피펫 스탠드

■ ***Made in Korea***
* Accommodates 8 pipettes with diameters not exceeding 17mm, 8 pipettes with diameters not exceeding 14mm, and 8 pipettes with diameters not exceeding 11mm
* Ideal for Measuring & Volumetric Pipets
* Strong Long-life Stainless-steel(SS)
* Bottom attached Non-woven fabric for Anti-breakage.
* 24-Hole : 17 · 14 · 11mm×8 Holes

〈L1〉

		Ea.	Price, ₩
SL.Sta7051	Pipet Stand, SS, 24 Holes		26,600

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



73-holes Assembly Deluxe Rotary Pipet Stand, PP, Autoclavable, Easy Cleaning
With 2-Layer Rotary Plate, 125/140℃, <Korea-Made> PP 조립식 대용량 피펫 스탠드, 73-홀, 회전형

■ ***Made of Polyprophylene(PP), -10℃+125/140℃, Autoclavable***
* This Accommodates 28 Pipettes with Diameters not Exceeding 11mm, Plus 45 Pipettes with Diameters not Exceeding 14mm.
* Dimension : Φ230 mm×h450 mm, 300g * Upper / Lower Integral Prevents Damage to the Rotary Type of Pipet
* 73 Holes-size(4-Lines) : Φ11 mm×28Holes(1Line×11Holes, 2Line×17Holes)
Φ14 mm×45Holes(3Line×21Holes, 4Line×24Holes)
* Pipet Stand Main Support & Drain Receiving Level of the External Leak off Through the Pipet

〈L1〉

		Set.	Price, ₩
SL.Sta3010	Pipet Stand, PP, 73-Places, Φ230×h450mm, Blue		7,650
SL.Sta3012	, Gray		7,650



12 places Assembly Horizontal Pipet Stand, PP, Dual Side (2×6 places), Very Stable
With 3 metal rods coated with PP, −10℃+125/140℃, PP 조립식 피펫 스탠드

■ ***Supplied by SciLab Korea*** ■ ***Detachable, White Molded in Polypropylene***
* Autoclavable Stand with 2 Sides which are attached to each other with 3 metal rods coated with PP
* Holding 12 Pipets of Length 200mm Over * Dimension : 210×145×h210mm

〈L1〉

		Ea. Price,₩	Pk.	Price, ₩
SL.Rac3096	Pipet Stand, PP, 12 places	8,350	6ea	48,390



7~14 Places Assembly Multi-function Pipet Rack-Stand, Acryl
With 7-horizontal and 7-vertical Places, 다기능 조립식 아크릴 피펫 랙-스탠드

■ ***Supplied by SciLab Korea*** ■ ***Compact Multi-Function / Transparent***
■ ***Two-way Holding System : Can Hold 7 Pipets Vertically and Horizontally at the same time***
* For Measuring & Volumetric Pipets
* Stable Triangle Stand-type, Space Saving

〈L1〉

		Ea.	Price, ₩
SL.Ra0201	Pipet Rack, Two-way, Φ14mm×7 hole, 105×207×h224mm		17,500



SciLab® 5-Place Universal Pipettor Station, Semi-vertical, Multi-purpose, 5 Hole
Suitable for All Brand Pipettor, 만능 피펫터 스탠드

■ ***Made in Korea***
* Use : All Single Channel Pipettors. <ex> Brand, Eppendorf, Gilson, Microlit, Socorex, VITLAB, "witeg", etc.
* Made of Clear Acrylic, for 5 Pipettor
* 2 Line Holding System : Safety and Convenience.

〈L1〉

		Ea.	Price, ₩
SL.Rac3110	Stand, for 5 Pipettor, 250×140×h280mm, 6mm-t		40,000



SciLab® Universal 7-Place Assembly Micropipettor Stand, Vertical-type
7-Hole, 만능형 마이크로 피펫터 스탠드, 조립식

■ ***Made in Korea***
* Universal-Type for All Brand Pipettors. * Assembly Heavy Duty Design, 8mm Thick Base Φ160mm.
* Made of Acrylic : Clear upper Holder, Amber Base

〈L1〉

		Ea.	Price, ₩
SL.Rac3111	Pipettor Stand, 7 Hole, Φ160×h278mm, (upper/Bottom) 5/8mm-t		49,250



SciLab® Glove Pack Holder, Epoxy Coated Steel
For Glove Packages, 3-placed, 250×108×h454mm, 글러브 팩 홀더

■ ***Made in Korea***
* Ideal for Glove Pack Storage.
* Epoxy Coated Steel Wire Rack
* Very Convenience : Holds 3 Glove Packages

〈L1〉

		Ea.	Price, ₩
SL.Sta7030	Rack, Glove Pack Holder, 250×108×h454mm, Green		37,240

Articles	Cat. No	Description



Multiuse Silicone Holder
175×175mm

Multiuse Silicone Holder · Non-Slip Mat · Gripper, 4-Color Randomly, 175×175mm
Ideal for Hot or Cold Protection, Heat Resistant up to 230℃, **실리콘 내열 패드/받침**

■ ***Supplied by DAIHAN Korea***


Holder


Non-Slip Mat


Gripper

∗ Ideal for Beakers · Bottles · Flasks · Others holder or Hot Pad, Trivet, Jar Opener or Bottle Lid Gripper, or Anywhere You need Extra Grip or Extreme Heat or Cold Protection
∗ Superior Heat Protection 210℃
∗ 4 Color(Black, Red, Orange, Yellow) will be Delivered Randomly
∗ with Hanging Loop for Convenient Storage ∗ Thickness 3mm

〈B1〉

		Pk.	Price, ₩
DH.Sup6001	Holder · Stand · Gripper, Silicone, 175×175mm, 80g, Random Color	1ea	4,080



Gas Cylinder Holder, up to Φ230mm, Safety Belt with Snap Buckle
For Wall Fixing, for Benches Thick-up to 65mm, <Germany-Made> **가스 실린더 홀더**

∗ Aluminium, Powdercoated
∗ Included Safety Belt with Snap Buckle



〈L1〉

		Ea.	Price, ₩
US.2070	Holder for Gas Cylinder, with Safety Belt, for up to Φ230mm		112,880
US.2071	Spare Safety Belt		25,840



Hellma® Cell Cleaning Holder, for Glass & Quartz 10mm Cells, Ultra Sound Cleaning
For 4 Cells with 10mm Light Path, **유리 & 석영셀 홀더, 세척용 셀홀더**

■ ***Supplied by Hellma® in Germany*** ■ ***Cell을 초음파 세척시 사용하는 홀더***
■ ***Plastic Cell Holder for 4 cells with 10mm light path for Ultra Sound Cleaning Purposes.***

〈L1〉

		Ea.	Price, ₩
HE.325.000	**Plastic Cell Holder** : 4 Holes for 10mm Cells		265,100

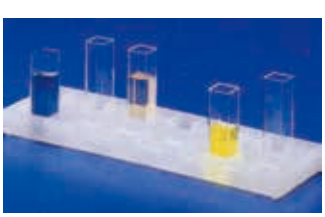


Hellma® CELL Holder, PP, for 16 Cells, −10℃+125/140℃
For Path 10mm Cell, Autoclavable, 16 Holes, <Germany-Made> **스펙트로셀 스탠드**

∗ Material : Polypropylene(PP)
∗ for Path 10mm Cells

〈L1〉

		Ea.	Price, ₩
HE.3001.10	Cuvette Holder, 16 cells, 210×70×h35 mm		60,280



Kartell® PE Cuvette Holder, 12 Places, for Path 10mm Cells
<Italy-Made> PE **스펙트로-셀 스탠드**

∗ Holds 12×12mm Cuvettes Vertically in Firm Recesses for Preparation Work
∗ Holds 12×10mm Cuvettes Horizontally for Storage and Protection.
∗ In Storage Mode the Rack are Stackable ∗ Made of Polyethylene

〈L1〉

		Ea.	Price, ₩	Pk.	Price, ₩
KA.260	Cuvettes Holder, 12 Hole, 50×170×h15mm	5,130		5ea	24,820


(1)


(2)

SciLab® Cork Ring Support, for Round-bottom Articles, for 50㎖~20Lit
Ideal for Flask · Vessels · Dishes, **콜크 링 써포트**

■ ***Made in Korea*** ■ ***Made of compressed cork for supporting flasks or dishes.***
■ ***An internal bevel at top provides a secure support for round-bottomed vessels.***
∗ Ideal for Round-bottom Articles Support(Flask / Vessels / Dishes)

〈L1〉

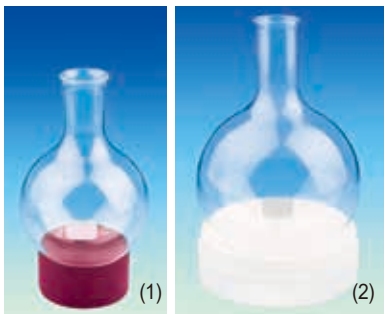
(1) For 50㎖~6000㎖ Round Flask & Vessel

		Ea.	Price, ₩
SL.Sup9011	Ring Support, od. Φ 75×id. Φ(Upper/Bottom) 55 / 30×h30mm, for 50~100㎖		5,000
SL.Sup9012	Φ 90×id. Φ(Upper/Bottom) 65 / 44×h30mm, for 100~250㎖		5,750
SL.Sup9013	Φ105×id. Φ(Upper/Bottom) 80 / 57×h30mm, for 250~1000㎖		8,000
SL.Sup9014	Φ128×id. Φ(Upper/Bottom) 98 / 78×h30mm, for 500~2000㎖		9,500
SL.Sup9015	Φ155×id. Φ(Upper/Bottom)115 / 103×h30mm, for 2000~6000㎖		11,750

(2) For 10Lit~20Lit Round Flask & Vessel

		Ea.	Price, ₩
SL.Sup9016	Ring Support, od. Φ300×id.Φ(Upper / Bottom) 185 / 170×h40mm, for 10~20 ℓ		40,000

※ The Price(VAT is extra) for Korean End-user, and Changeable.



Stackable PP & Rubber Universal Round Flask Support, Up to Max. 1 & 10 Lit

For Round Bottomed-Flask · Vessel · Dish, 만능 PP & Rubber 써포트, 둥근바닥 기물용

■ ***Supplied by SciLab Korea***

∗ Suitable for Most Round Bottomed Flasks ∗ Stepped Concentric Rings to Help Stabilize Flasks

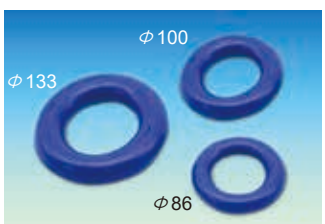
〈L1〉

(1) Rubber Universal Round Flask Support, up to Max. 1 Lit

		Ea. Price, ₩
SL.Su6101	Flask Support, Rubber, 8 steps, Φ95×h50mm	6,040

(2) PP Universal Round Flask Support, up to Max. 10 Lit

		Ea. Price, ₩
SL.Su3101	Flask Support, PP, Stackable, 8 steps , Φ95×h50mm	5,150
SL.Su3102	, 11 steps, Φ160×h50mm	5,890



PVC Coated Flask Diver Ring, Diver/Sinker, 0.3 · 0.5 · 1.1kg

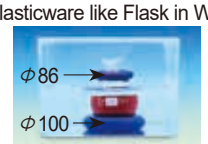
Made of Coating PVC Steel, id.Φ48 · 56 · 70mm, PVC 플라스크 다이버 링

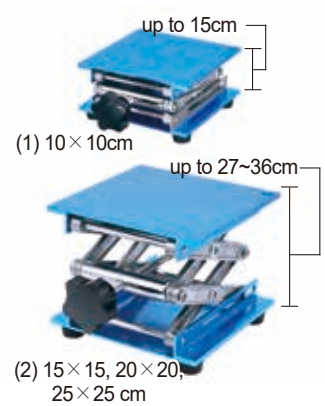
■ ***Supplied by SciLab Korea*** ∗ For Stable Immersion of Glassware and Plasticware like Flask in Water Bath

∗ Made of Coating PVC Steel

〈L1〉

		Ea. Price ₩
SL.Sup7001	Flask Diver Ring, od.Φ86 / id.48mm , 0.3kg	19,490
SL.Sup7002	, od.Φ100 / id.56mm, 0.5kg	22,050
SL.Sup7003	, od.Φ133 / id.70mm, 1.1kg	33,820





Aluminum Lab · Lift · Support-Jack, Adjustable Height, up to 15~36cm

With Square Aluminum Plate, Mini- & Standard-type, 알루미늄 써포트 잭 · 랩-잭 · 리프트 잭, 높이조절식

■ ***Supplied by SciLab Korea*** ∗ Made of High quality Aluminum Oxide

∗ Durable and Practical, Stable Construction, Corrosion Resistance

∗ Ideal for Supporting Lab Equipment at the Appropriate Heights for Experiments

∗ Various Adjustable Heights, up to 15cm~36cm

〈L1〉

(1) 10×10cm Mini-type, up to 15cm Lift, Max Static Load 30kg

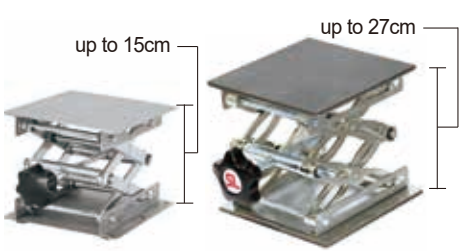
		Ea. Price, ₩
SL.Sup7011	Lab / Support Jack, Alu., 10×10×h4.7cm, Adjustable Height, up to 15cm	29,120

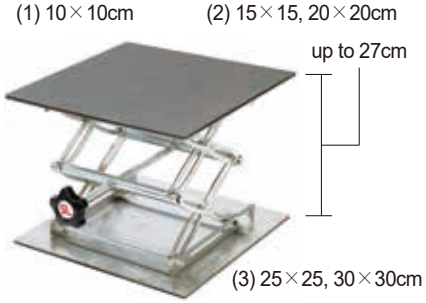
(2) 15×15, 20×20, 25×25cm Standard-type, up to 36cm Lift, Max Static Load 60kg

		Ea. Price, ₩
SL.Sup7012	Lab / Support Jack, Alu., 15×15×h7cm, Ajustable Height, up to 27cm	61,730
SL.Sup7013	, 20×20×h7cm, , up to 32cm	70,570
SL.Sup7014	, 25×25×h7cm, , up to 36cm	167,540

SciLab® Stainless-steel Lab · Lift · Support-Jack, Adjustable Height, up to 15 & 27cm

With Square Stainless-steel Plate, Mini- · Standard- · Heavy duty-type, 스테인레스 써포트 잭 · 랩-잭 · 리프트 잭, 높이조절식





■ ***Supplied by SciLab Korea***

∗ Ideal for Hot Plates, Flasks, Beakers, Baths, Aspirator Bottles and other Lab Items.

∗ Nonsparking Anodized Stainless-steel(SS) Plates for Maximum Safety in the Lab

∗ Various Adjustable Height, up to 15cm & 27cm

〈L1〉

(1) 10×10cm Mini-type, up to 15cm Lift

		Ea. Price, ₩
SL.Su7101	Lab / Support Jack, Square, SS, 10×10×h4.7cm, Adjustable Height, up to 15cm	21,180

(2) 15×15, 20×20cm Standard-type, up to 27cm Lift

		Ea. Price, ₩
SL.Su7102	Lab / Support Jack, Square, SS, 15×15×h7cm, Adjustable Height, up to 27cm	61,800
SL.Su7103	Lab / Support Jack, Square, SS, 20×20×h7cm, Adjustable Height, up to 27cm	68,000

(3) 25×25, 30×30cm Heavy-duty type, up to 27cm Lift

		Ea. Price, ₩
SL.Su7104	Lab / Support Jack, Square, SS, 25×25×h7cm, Adjustable Height, up to 27cm	95,200
SL.Su7105	Lab / Support Jack, Square, SS, 30×30×h7cm, Adjustable Height, up to 27cm	111,000

Articles	Cat. No	Description



Bochem® Assembly Tripods, Screwed Feet, Height-180 · 210 · 240mm
Ideal for Burner, High-Quality & -Efficience, **"조립식 삼발이", 버너용에 적합**

■ Made of Germany ***■ 버너나 알코올램프로 가열 시 안전하게 시료 및 용기를 받쳐주는 받침대***
■ Made of Cast-Iron / Zincked

〈L1〉

		Ea.	Price, ₩
BC.5230	Tripod, Screw Feet, h180, Ring id Φ100mm		49,280
BC.5231	, h210, Ring id Φ120mm		52,380
BC.5232	, h210, Ring id Φ140mm		60,270
BC.5233	, h240, Ring id Φ150mm		66,690



SciLab® Nickel Plated Double Wire Tripod, Efficience Height-11 & 17cm, 이중 니켈도금선 삼발이

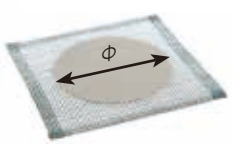
■ Made in Korea ***■ Φ4mm 스텐선 2중 구조로 견고함***
∗ Dual Structure of Nickel Plated, Wire Thickness 4mm

〈L1〉

		Ea.	Price, ₩
SL.Su7031	Tripod, Double ring OD-12cm, h11cm		3,620
SL.Su7032	, h17cm		4,390



Fig. Ceramic-Wire Gauze on Tripod



Bochem® Wire Gauze, Non-Polluting Ceramic Center, High-Quality & -Efficience
Ideal for Burner, Ceramic Laminated, **무공해 와이어 거즈**

■ Supplied by Bochem® in Germany
■ 열을 균일하고 효율적으로 확산시키기 위해 사용
■ Size ; 120×120, 150×150, 200×200mm
∗ High-Quality &- Efficiency ∗ Ideal for Burner-work

〈L1〉

		Ea.	Price, ₩
BC.12751	Wire-gauze, 120×120, Ceramic- Φ85mm		7,130
BC.12752	, 150×150, - Φ100mm		8,840
BC.12753	, 200×200, - Φ135mm		12,270

※ The Price(VAT is extra) for Korean End-user, and Changeable.

DAIHAN Scientific

Sterilizers

DAIHAN SCIENTIFIC GROUP
Your Neighborhood Friend

Autoclaves, Bench-top Front Door ····· P. 750
, Front Door ····· P. 753
, Top-loading Vertical ····· P. 751~752
, Accessories ····· P. 752
Dry Heat Sterilizers ····· P. 754
Plasma Sterilizers ····· P. 755~756



Autoclave, Bench-top Front Door
"Ste.B"



Autoclave, Top-loading / Vertical
"MaXterile™"



Dry Heat Sterilizer
"SteD"



Plasma Sterilizer
"MaXterile™ PS"

DAIHAN® Premium 25 & 40 Lit Programmable Bench-top Front Door Steam Sterilizer "Ste.B", *Medicaluse*

With Auto-Front Door, Pre- & Post-Vacuum System, Class-B Sterilization, Auto-Microprocessor Control, and Dual Door Lock, 110℃~135℃ SQUARE Chamber Autoclave, 2 Perforated Stainless-steel Tray, HEPA Filter, Max 2.30 bar, 사각챔버 벤치탑 고압 스팀 멸균기/오토클레이브



2-Year Warranty

25 & 40 Lit Bench-top Steam Sterilizer "Ste.B"

MODE	Temperature (°C)	Pressure (bar)	Sterilizing Time (min)	Drying Time (min)
Unwrapped 1	121	1.1	20	30
Unwrapped 2	134	2.1	5	30
Wrapped 1	121	1.1	30	30
Wrapped 2	134	2.1	15	30
Liquid	121	1.1	20	0
Bowie Dick	134	2.1	4	5
User Program	110 - 135	0.4 - 2.3	4 - 30	0 - 60

Program Cycle


Square Inner Chamber


Sliding Perforated Shelf



(1) SS Wire Tray


(2) SS Removable Rack

(3) HEPA Filter-kit, 0.3㎛


(5) Movable Stand


(6) Thermal Printer

- ***Supplied by DAIHAN Korea*** ■ ***PL(Product Liability)***
- ***치과, 병원, 생명공학용에 적합한 멸균기***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System.***
- ***Class-B Sterilization Cycle by EN13060-2 Standard : Pre Vacuum Air Removal → Water Filling → Heating → Sterilizing → Ventilation → Post Vacuum Drying → End***
- ***SS Square Chamber for Corrosion Resistance and Maximum Working Space***

* Ideal for Dental Clinic, Hospital, Biotechnology, etc.
* Full Automatic Process Cycle by High-performance Microprocessor Controller
* Built-in Separate Water Reservoir Supplies Water Automatically
* Self-diagnostic and Safety System :
  - Display Error Codes and Audible Alarm
  - Over Pressure Release Valve
  - Automatic and Manual Door Lock System
  - Over Temp Protector with Thermostat
* Intuitive User Interface(LCD) & Indicator of Working(LED Lamp)

※ **Note! When Autoclaving, Loosen Off the PP Screwcap!!**

Specifications & Ordering information

〈M2〉

Spec. \ Model		"Ste25.B"	"Ste40.B"
Capacity		25 Lit	40 Lit
Water Filling Tank		5 Lit (Reservoir)	
Sterilizing Cycle-type		Class-B Cycle by EN13060-2 Standard	
Temp Range		110℃~135℃	
Pressure & Gauge		0.4 ~ 2.3 bar, Built-in Analog & Digital Pressure Gauge	
Timer & Alarm		Error Status & Timer-end	
Controller		Microprocessor PID Control System(Fully Automatic) with LCD Monitor	
Programmable Function		Pre-set 6 Programs (Customizable 5- & Fixed Bowie Dick 1- Program)	
Door Lock		Automatic Wheel Inter Locking with One Touch Sliding Handle	
Air Filtration System		Built-in HEPA Filter, 0.3㎛ Particle Removal 99.97%	
Vacuum Pump		Built-in Vacuum Pump(33LPM, 580mmHg) for Pre-vacuum & Post-vacuum Drying	
Air Removal-type		Vacuum	
Tray (Included)		2 Stainless-steel Perforated Tray	
Safety Circuit		Over-Temp / -Pressure / -Current protection, Sensor Error Detection	
Printer (Optional)		Thermal printer with 1 Record Paper Roll: w58 × Φ40mm 1000 Sterilization Cycle Data / roll (Date, Temperature, Pressure, Time, Error Status, etc.)	
Material		Interior : Stainless-steel 304 Polished, Exterior : Epoxy Powder Coated Steel	
Dimension (w×d×h) & Weight	Interior	270×420×h230mm	300×480×h300mm
	Exterior	495×689×h460mm, 60kg	527×787×h530mm, 70kg
	Packing	580×750×h580mm, 75kg	650×820×h740mm, 85kg
Power Consumption		2.5kW	
Electric Reqts.		220V, 50/60 Hz, 1 Phase	
Cat. No.	220V	DH.SteB8001	DH.SteB8002
Price, Each. ₩		5,435,000	6,689,000

* Other Specifications are available upon Customer's Request.

※ 운임 별도

Spare Accessory

		Ea. Price, ₩
DH.SteBA1013	(1) SS Wire Tray, 260×370mm, for **"Ste25.B"** *Upgrade*	107,000
DH.SteBA1017	, 273×410mm, for **"Ste40.B"** *Upgrade*	117,000
DH.SteBA1011	(2) SS Removable Rack, 260×385×h155mm, for **"Ste25.B"**	152,000
DH.SteBA1016	, 290×425×h185mm, for **"Ste40.B"**	165,000
DH.SteA1015	(3) Replacement HEPA Filter-kit, 0.3㎛	25,380

Optional Accessory

		Ea. Price, ₩
DH.SteBA1010	(4) SS Perforated Tray, 255×365×h25mm, for **"Ste25.B"**	132,000
DH.SteBA1015	, 285×405×h30mm, for **"Ste40.B"**	152,000
DH.SteBA1026	(5) Movable Stand with 1 Drawer, 580×700×h850mm	333,000
DH.SteA1005	(6) Thermal Printer, Paper Roll, **"STEA1005"**	327,000
DH.SteA1006	Thermal Paper Package, 4 Paper Roll, for **"STEA1005"**	10,880

Bench-top Autoclave with Validation (IQ, OQ) Service

		Ea. Price, ₩
DH.SteB5025	Validation Service(IQ, OQ), with **"Ste25.B"**	
DH.SteB5040	, with **"Ste40.B"**	

※ The Price(VAT is extra) for Korean End-user, and Changeable.

DAIHAN® Digital Fuzzy-control Autoclave "MaXterile™", *I. Medicaluse(Recorder-type)* & *II. Lab-use(Standard-type)*

With PED Certified Φ3.0mm Thick-Tank, Max.2 kgf/cm², Electronic Door Lock System, 47 · 60 · 80 · 100 Lit, up to 132℃
Lever-type Sliding Door, Steam Condensing, Solid-/Liquid-Models, **전자동 고압 스팀 멸균기/오토클레이브, 전자식 도어 잠금 시스템**



I. Medicaluse Approved, *"MaXterile™ 80R"*
with Chart Recorder



II. Standard-type, *"MaXterile™ 80"*
without Chart Recorder

- ***Supplied by DAIHAN Korea*** ■ ***CE and PED Certified*** ■ ***PL (Product Liability) Insurance***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
- ***Patented Special Steam Condensing Mechanism, Lever-type Sliding Door***
- ***Built in DAIHAN® New Generation Controller : Patented Jog-Dial Control System***
- ***Electronic Door Lock Sensing System for User Safety.***

* Door Open Button Automatically Lock Over 80℃ for User Safety
* "B-type" Recorder model (only MaXterile 47R · 60R · 80R · 100R models) :
  Print Sterilization Cycle Data for Validation and Analyze Sterilization
  (Temperature, Pressure, Time, Error Status, etc.)
* Ideal for Biotechnology, Clinical, Environmental, Medical and Food Industry.
* Digital Timer Function - 'Delay Time' and 'Operation Time' can be Controlled.
* Water Low Level Detection
* Automatic Over Pressure Release Valve ensures User Safety.
* Sterilization Error Indication : Error Alarm and Message in case of Power Failure and Temperature Error

※ **Note! When Autoclaving, Loosen Off the PP Screwcap!!**

Specifications & Ordering information

〈M1〉

I. Medicaluse Approved Recorder type		"MaXterile 47R" Max. 47Lit	"MaXterile 60R" Max. 60Lit	"MaXterile 80R" Max. 80Lit	"MaXterile 100R" Max. 100Lit
		Thermal printer with 1 Record Paper Roll : w58×Φ40mm 1000 Sterilization Cycle Data / roll (Date, Temperature, Pressure, Time, Error Status, etc.)			
II. Laboratory Standard type		"MaXterile 47"	"MaXterile 60"	"MaXterile 80"	"MaXterile 100"
Capacity		47 Lit	60 Lit	80 Lit	100 Lit
Temp Range & Accuracy		Room Temp +5℃~132℃, ±0.5℃ at 121℃			
Pressure & Gauge		1.2 kgf/cm² at 121℃ / 2.0 kgf/cm² at 132℃, 0~3 kgf/cm²			
Sterilization Mode		Solid- or Liquid-mode, Chosen by a Customer			
Heating Power/Consumption		2 kW	3 kW	2 kW×2	2 kW×2
Timer & Alarm		60 min, Error status & Timer-end			
Display		Digital LCD with Back-Light Function			
Controller		Digital Fuzzy-Control System (Fully Automatic)			
Door & Closing System		Lever-type Sliding Door / Safety Electronic Door Closing System			
Safety Circuit		Over-Temp/-Pressure/-Current protection, Sensor Error Detection			
Material		Pressure Vessel-Stainless-steel(#304), External-Powder Coated steel			
Basket (Included)		2 Stainless-steel Wire Basket			
Basket Dimension (mm)		Φ270×h240	Φ320×h240	Φ370×h240	Φ420×h240
Dimension (w×d×h)	Inner (mm)	Φ300×h670	Φ350×h650	Φ400×h650	Φ450×h630
	Outer (mm)	700×470×1080	700×470×1080	810×580×1140	810×580×1140
Packing Size (mm)		840×610×h1,252mm		950×730×h1,352mm	
Gross Weight (kg)		117kg	120kg	170kg	170kg
Electric Reqts.		1Phase - AC 120V, 60Hz or - AC 230V, 50/60Hz		1 Phase - AC 120V, 60Hz or - AC 230V, 50/60Hz 3 Phase with Terminal Block	
I.Medicaluse Cat. No.	230V	DH.WACR2047P	DH.WACR2060P	DH.WACR2080P	DH.WACR2100P
	120V	DH.WACR1047P	DH.WACR1060P	DH.WACR1080P	DH.WACR1100P
	3Phase	-	-	DH.WACR3080P	DH.WACR3100P
Price, Each. ₩		5,469,000	6,163,000	8,134,000	9,204,000
II. Standard Cat. No.	230V	DH.WAC05047P	DH.WAC05060P	DH.WAC05080P	DH.WAC05100P
	120V	DH.WAC06047P	DH.WAC06060P	DH.WAC06080P	DH.WAC06100P
	3Phase	-	-	DH.WAC07080P	DH.WAC07100P
Price, Each. ₩		4,865,000	5,568,000	7,530,000	7,447,000

* Other Specifications are available upon Customer's Request. ※ 운임 별도

<Continued On Next Page>

Articles	Cat. No	Description

<*Continued From...*DAIHAN® Digital Fuzzy-control Autoclave, "MaXterile™" Standard-type/Recoder-type>



(1) Wire Basket Stainless-steel (Included)



(2) Perforated Bottom Basket, Stainless-steel (Optional)

(1) Spare Wire Basket, Stainless-steel & Thermal Paper for Recorder

〈L1〉

		Ea. Price, ₩
SL.Bas7011	Wire Basket, Φ270×h240mm, **"Bas7011"**, for **47 Lit, "MaXterile 47 & 47R"**	91,640
SL.Bas7012	, Φ320×h240mm, **"Bas7012"**, for **60 Lit, "MaXterile 60 & 60R"**	101,880
SL.Bas7013	, Φ370×h240mm, **"Bas7013"**, for **80 Lit, "MaXterile 80 & 80R"**	112,380
SL.Bas7014	, Φ420×h240mm, **"Bas7014"**, for **100 Lit, "MaXterile 100 & 100R"**	122,900
DH.WACR5004	Thermal Paper for Recording Printer, 4×Paper Roll, for 1000 Sterilization Cycle Data / roll (Date, Temperature, Pressure, Time, Error Status, etc.)	11,000

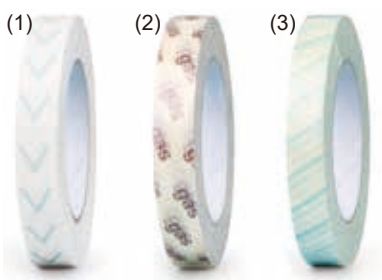
(2) Optional Perforated Bottom Basket, Stainless-steel

		Ea. Price, ₩
DH.WAC20047	Basket, Φ270×h250mm, **"WAC20047"**, for **47 Lit, "MaXterile 47 & 47R"**	170,000
DH.WAC20060	, Φ320×h250mm, **"WAC20060"**, for **60 Lit, "MaXterile 60 & 60R"**	191,300
DH.WAC20080	, Φ370×h250mm, **"WAC20080"**, for **80 Lit, "MaXterile 80 & 80R"**	276,300
DH.WAC20100	, Φ420×h250mm, **"WAC20100"**, for **100 Lit, "MaXterile 100 & 100R"**	318,800

Autoclave with Validation (IQ, OQ) Service

		Ea. Price, ₩
DH.WAC30047	Validation Service(IQ, OQ), with **"MaXterile 47"**	
DH.WAC30060	, with **"MaXterile 60"**	
DH.WAC30080	, with **"MaXterile 80"**	
DH.WAC30100	, with **"MaXterile 100"**	

		Ea. Price, ₩
DH.WACR0047	Validation Service(IQ, OQ), with **"MaXterile 47R"**	
DH.WACR0060	, with **"MaXterile 60R"**	
DH.WACR0080	, with **"MaXterile 80R"**	
DH.WACR0100	, with **"MaXterile 100R"**	



for Dry-Heat | for EO-Gas | for Auto-Clave

Sterilization Indicator Tape, w19mm×L50m/Roll

For Dry-Heat, EO-Gas, and Steam Sterile(Autoclaving), **멸균 감지 테이프**

∗ Changing Color after Expose to Sterilization Process(Dry-Heat, EO-gas, Steam Sterile)

〈L1〉

(1) For Dry-Heat Sterile, <Italy-Made>

		Ea.	Price, ₩
KA.1051	Dry-Heat Sterile Indicator, w19mm×L50m/Roll, White→Brown	1roll	81,100

(2) For EO-Gas Sterile, <Germany-Made>

		Ea.	Price, ₩
HH.1080551	EO-Gas Sterile Indicator, w19mm×L50m/Roll, Red→Green	1roll	14,570

(3) For Steam Sterile(Autoclaving), <Germany-Made>

		Ea.	Price, ₩
HH.1080550	Autoclave/Steam Sterile Indicator, w19mm×L50m/Roll, Green→Brown	1roll	12,820



Sterilization Indicator Roll Bags, with Printed Graduations, L200m/Roll

For Autoclave & EO-Gas Sterilization, **멸균 감지 포장지**

■ 오토클레이브 또는 EO가스 멸균 시 포장하여 포장지의 색변화를 통해 멸균 여부를 감지할 수 있음.
■ When Autoclave or EO Gas Sterilization, It can be Indicated Sterilization through a Color Change of Packaging.
■ It has Printed Graduations for Convenience to Cut, It is not Necessary to Worry about Object Length.

∗ Bag can be Sealed with Heat Sealer ∗ Material : PET+CPP · Paper
∗ Discoloration : Autoclave / Blue → Black. EO-Gas / Red → Brown

〈L2〉

		Roll.	Price, ₩
SL.Bag9092	Sterilization Indicator Bag, w75×L200m/Roll		40,630
SL.Bag9093	, w100×L200m/Roll		53,230
SL.Bag9094	, w150×L200m/Roll		84,000
SL.Bag9095	, w200×L200m/Roll		113,400
SL.Bag9096	, w250×L200m/Roll		141,390



Dry-Heat Sterilizer Indicator Label on Sheet, 160℃/3h, 180℃/30min, Pink ⇒ Brown

For Indicating Sterilizer, Color-Changing : from Pink to Brown, **가열 멸균 감지 라벨**

〈L2〉

∗ Change of Color : Pink ▶ Brown ∗ Changing Time : 30 minutes at 180℃, 3 Hours at 160℃

		Cs.	Price, ₩
SL.Lab9051	Heat-Sterile Label "D-L", w19×L32mm	500ea	73,740



Anabac® Deodorant "Classic" for Autoclaving, 100 Tablets

Ideal for Deodorization, Deodorant Capacity : max 200Lit per One-tablet, **사과향 오토클레이브용 탈취제**

∗ French Bracing Fragrance ∗ 100 Tablets / Packed in PP/Paper Container
∗ Deodorant Volume : Max 200Lit per 1-Tablet

〈L2〉

		Pk.	Price, ₩
SL.Deo1011	Deodorant for Autoclave Apple, 100 Tablets/a Container	100ea	239,040

※ The Price(VAT is extra) for Korean End-user, and Changeable.

DAIHAN® 90Lit Steam Sterilizer "Ste90.F", Floor-type Front Door, 110~135℃, *Medicaluse*

With Built-in Steam Generator, Water Ejector Vacuum Pump, Thermal Printer, 2 Perforated SS Tray, HEPA Filter
SQUARE Chamber Autoclave, Pre- & Post-Vacuum Drying, Auto-Door Lock & Alarm System, Max 2.30 bar, **사각챔버/전면문 고압 스팀 멸균기**

110~135℃
0.4 ~ 2.3 bar



2-Year Warranty

90Lit Front Door Steam Sterilizer "Ste90.F"



Fig1. Vertical Sliding Door & Square Chamber

MODE	Temperature (°C)	Pressure (bar)	Sterilizing Time (min)	Drying Time (min)
Unwrapped 1	121	1.1	20	30
Unwrapped 2	134	2.1	5	30
Wrapped 1	121	1.1	30	30
Wrapped 2	134	2.1	15	30
Liquid	121	1.1	20	0
Bowie Dick	134	2.1	4	5
User Program	110 - 135	0.4 - 2.3	4 - 30	0 - 60

Program Cycle



(1) SS Perforated Tray



(2) Thermal Paper Roll

- ***Supplied by DAIHAN Korea*** ■ ***PL(Product Liability)***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System.***
- ***Class-B Sterilization Cycle by EN285 Standard : Pre-vacuum → Steam Generation → Steam Injection → Sterilizing → Exhaust → Post-vacuum Drying → End of Cycle***

* Ideal for Dental Clinical, Medical, Biotechnology, etc.
* Pre-vacuum Air Removal & Post Vacuum Drying for Perfect Sterilizing
* Built-in Steam Generator Supplies Water Automatically and Sprays Steam into the Chamber
* Water Ejector Vacuum Pump : Effective for Fluid Control(1800L/hr)
* Air Filtration System : 0.3㎛ HEPA Filter of Efficiency up to 99.97%
* Automatic Dual Door Locking System for User Safety.
* Programmable Function : Provides 6-Program & User Customizable 1 Program
* Intuitive User Interface(LCD) & Indicator of Working(LED Lamp)
* Self-Diagnostic and Display Error Codes
* Visual and Audible Alarm System
* Sturdy and Convenient Locking Wheel helps to Move Easily
* Built-in Thermal Printer

※ **Note*! When Autoclaving, Loosen Off the PP Screwcap!!***

Specifications & Ordering information

〈M3〉

Spec. \ Model		"Ste90.F"
Capacity		90 Lit
Sterilizing Cycle-type		Class-B Cycle by EN-285 Standard
Temp Range		110℃~135℃
Pressure & Gauge		0.4~2.3 bar, Built-in Analog & Digital Pressure Gauge
Timer & Alarm		60 min, Error Status & Timer-end Alarm
Display		Digital LCD with Back-Light Function & LED Lamp (Working Process)
Controller		Microprocessor Digital PID Control System (Full Automatic)
Programmable Function		Pre-set 6 Programs (Customizable 5- & Fixed Bowie Dick 1- Program)
Door-type		Manual Vertical Sliding Door, Automatic Door Locking System
Chamber		Reinforced and Electro Polished Square Chamber with Double Jacket
Tray (Included)		2 Stainless-steel Perforated Tray
Safety Circuit		Over-Temp / -Pressure / -Current protection, Sensor Error Detection
Printer		Thermal printer with 1 Record Paper Roll: w58×Φ40mm 1000 Sterilization Cycle Data / roll (Date, Temperature, Pressure, Time, Error Status, etc.)
Material		Interior : Stainless-steel 304 Pressure Vessel, Exterior : Stainless-steel
Dimension (w×d×h) & Weight	Interior	338×712×h378mm
	Exterior	625×990×h1300mm, 280kg
	Packing	850×1100×h1400mm, 295kg
Power Consumption		6.0 kW
Electric Reqts.		220V, 50/60 Hz, 1 Phase
Cat. No.		**DH.SteF8001**
Price, Each. ₩		21,942,000

* Other Specifications are available upon Customer's Request.

※ 운임 별도

Spare Accessory

		Ea. Price, ₩
DH.SteFA1001	(1) SS Perforated Tray, 323×667×h54 mm for **"Ste90.F"**	302,000
DH.SteA1006	(2) Thermal Paper Package, 4 Paper Roll for Thermal Recorder	10,880
DH.SteA1016	Replacement HEPA Filter-kit	67,000

Front Loading Sterilizer with Validation (IQ, OQ) Service

		Ea. Price, ₩
DH.SteF5001	Validation Service(IQ, OQ), with **"Ste90.F"**	

Articles	Cat. No	Description

DAIHAN® 17 · 32 · 50Lit Dry Heat Sterilizer "SteD", with Fast Cooling System, Thermal Printer, Forced Air, up to 230℃, *Medicaluse*

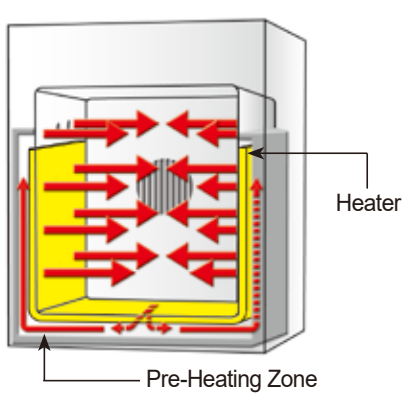
Ideal for Dental Clinic, Hospital, Biotechnology, Fast Sterilization Time(3min at 190℃ & 1hr at 160℃), **건열 멸균기**



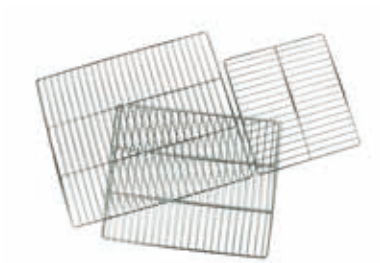
A."SteD-17" Model



B."SteD-30" & C."SteD-50" Model



3-Side Heating Zone Forced-air Mechanism



(1) SS Wire Shelf (Included)

- ***Supplied by DAIHAN Korea*** ■ ***PL(Product Liability) Insurance***
- ***치과, 병원, 생명공학용에 적합한 멸균기***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System.***
- ***Optimized Air Flow by Forced-air Mechanism***
- ***3-Side Heating Zone : The Best Temp Uniformity & Accuracy by High Performance Heating Mechanism***
- ***Fast Cooling System : Powerful Cooling Fan ensures only 50min Cooling Time (Down to 50℃)***

* Digital PID Control System Implementing Superior Temperature Accuracy
* Patented Jog-Dial & Push Button Control System
* Space Saving Compact Size
* Efficient Square Inner Chamber
* Alarm Function : Error Status and Timer-end

Specifications & Ordering information

〈M1〉

Spec. \ Model		A. "SteD-17" NEW	B. "SteD-30"	C. "SteD-50"
Capacity		17 Lit	32 Lit	50 Lit
Heater Power		1,400 W		
Sterilization Modes		① Custom Setting Mode ② 3min at 190℃ ③ 1hr at 160℃		
Temp	Range	Room Temp +5℃ to 230℃		
	Fluctuation	±1.0℃ at 37℃, ±1.5℃ at 160℃ & 190℃		
	Variation	±1.0℃ at 37℃, ±3.0℃ at 160℃, ±5.0℃ at 190℃		
	Sensor	PT100		
Cooling Time		Approx. 50min Down to 50℃		
Temp Resolution		± 0.1℃		
Circulation		Forced-air Type		
Controller		Digital PID Control by Advanced Microprocessor Jog-Dial with Push Button		
Display		Digital LCD with Back Light		
Timer		99hr 59min (Delay / Continuous Function)		
Printer		Thermal printer with 1 Record Paper Roll: w58×Φ40mm 1000 Sterilization Cycle Data / roll (Date, Temperature, Time, Error Status, etc.)		
Material	Internal	Stainless-steel (#304)		
	External	Powder Coated Steel		
	Insulation	Glass Wool		
Shelf (Included)		2 Stainless-steel Wire Shelf Load per Shelf : 16kg		
Safety Device		Over Temp and Over Current Protector Sensor Error Detector		
Dimension (w×d×h)	Interior	225×215×h340mm	310×290×h360mm	370×345×h420mm
	Exterior	546×485×h517mm	458×595×h664mm	518×647×h724mm
	Packing	650×592×h600mm	562×702×h747mm	622×754×h807mm
Net Weight		30kg	36kg	44kg
Shipping Weight		38kg	43kg	59kg
Power Consumption		1.5 Kw		
Electric Reqts.		230V, 50/60 Hz		
Cat. No.		**DH.SteD0002**	**DH.SteD0003**	**DH.SteD0005**
Price, Each. ₩		2,438,800	2,313,800	2,438,800

* Other Specifications are available upon Customer's Request.

※ **운임 별도**

Spare Stainless-steel Wire Shelf

		Ea. Price, ₩
DH.SteD17S	(1) Wire Shelf, 240×200mm, for 17 Lit *New*	26,300
DH.WIG12032	, 280×260mm, for 32 Lit, **"IGSN032"**	32,500
DH.WON11050	, 340×310mm, for 50 Lit, **"ONS050"**	32,500

Dry Heat Sterilizer with Validation (IQ,OQ) Service

		Ea. Price, ₩
DH.SteD5001	Validation Service(IQ, OQ), with **"SteD-17"** *New*	
DH.SteD5003	, with **"SteD-30"**	
DH.SteD5005	, with **"SteD-50"**	

※ The Price(VAT is extra) for Korean End-user, and Changeable.

DAIHAN® 18 Lit Compact Low Temp Plasma Sterilizer "Ste020.P", Max. 60℃, *Medicaluse*

Ideal for Medical Instrument, 50% Hydrogen Peroxide Injection, Microprocessor 7″ Touch Screen Controller
With Automatic Inter Lock Door & SQUARE Chamber, 2 Stainless-steel Wire Shelves, **소형 저온 플라즈마 멸균기, 의료용, 빠른멸균** (Min. 30min)

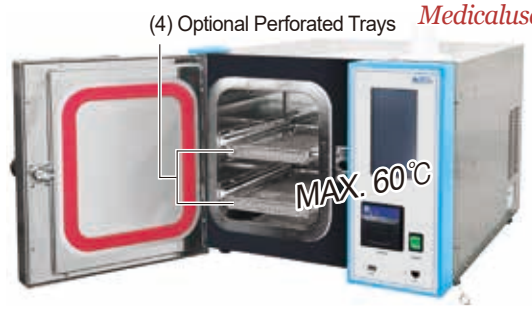


Fig. 18Lit Plasma Sterilizer with Optional Perforated Trays (2 Wire Trays are Included)

- ***Supplied by DAIHAN Korea*** ■ ***PL(Product Liability)***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System.***
- ***치과, 동물병원, 소방서 등 소형 병의원 사용에 적합***
- ***Ideal for Low Temperature Plasma Sterilizer to Inactivate Microorganisms for a Broad range of Metal and Nonmetal Medical Devices and Surgical Instruments at Low Temperature.***
- ***Improved Safety Sterilization with Special Vacuum Process.***

∗ It does not Damage Compatible Instruments which are Sensitive to "Heat" and "Moisutre"
∗ Cartridge Type H_2O_2 Injection System
∗ Efficient in Using Space with Compact Size Body & Squared Inner Chamber
∗ Various Operating Modes : Quick-, Standard-, Intense-Mode
※ Processing for Sterilizing :
▸ "Ste020.P" : Vacuum → H_2O_2 Injection → Diffusion → Vacuum → Venting


(1) SS Wire Tray


(2) Hydrogen Peroxide(50%)


(3) Thermal Paper


(5) Oil Mist Trap


(6) Movable Stand


(7) (8) Indicator

Specifications & Ordering information

〈M1〉

Spec. \ Model		"Ste020.P"
Capacity		18 Lit
Sterilization Temp		50℃
Sterilant		50% Hydrogen Peroxide(H_2O_2)
Mode		Quick : 30min Standard : 40min Intense : 50min
Vacuum Pump		Built-in type, 70L/min
Sterilant Removal System		Special Vacuum Process
Controller & Display		Microprocessor 7″ Touch Screen Controller
Tray (Included)		2 Stainless-steel Wire Trays, 177×300×h23mm
Safety Circuit		Over-Temp Protection, Current Leakage Breaker
Printer		Thermal printer with 1 Record Paper Roll : w58 ×Φ40mm 1000 Sterilization Cycle Data / roll (Date, Temperature, Time, Error Status, etc.)
Material		Chamber : Stainless-steel(#316), Exterior : Stainless-steel(#304)
Dimension (w×d×h) & Weight	Interior	225×320×h265mm
	Exterior	540×725×h430mm, 65kg
	Packing	600×780×h550mm, 70kg
Power Consumption		1.3 kW
Electric Reqts.		AC 220V, 50/60Hz, 1 Phase
Cat. No.		**DH.SteP020**
Price, Each. ₩		

∗ **Other Specifications are available upon Customer's Request.** ※ **운임 별도**

Spare Accessory

		Ea. Price, ₩
DH.StePA2001	(1) SS Wire Tray, 177×300×h23mm for **"Ste020.P"**	
DH.StePA2006	(2) Cartridge with Hydrogen Peroxide(50%), 100㎖	
DH.SteA1006	(3) Thermal Paper Package, 4 Paper Roll for Thermal Recoder	

Optional Accessory

		Ea. Price, ₩
DH.StePA2002	(4) SS Perforated Tray, 177×300×h23mm for **"Ste020.P"**	
DH.StePA2011	(5) Oil Mist Trap for **"Ste020.P"**	
DH.StePA2015	Oil for Vacuum Pump, 1Lit for **"Ste020.P"**	
DH.StePA2021	(6) Movable Stand with 1 Drawer, 240×400×610mm	
DH.StePA1030	(7) Biological Indicator, 100ea.	
DH.StePA1031	(8) Chemical Indicator, 250sheet.	

Articles	Cat. No	Description

DAIHAN Labtech® 56 & 130 Lit Low Temp Plasma Sterilizer "MaXterile™ PS", Max. 60℃, Medicaluse

Suitable for Medical Instrument, 50% Hydrogen Peroxide Injection, Microprocessor Touch Screen Controller
With Front Door & SQUARE Chamber, 2 Perforated Stainless-steel Tray, Emergency Stop Button(PS130), 저온 플라즈마 멸균기



2-Year Warranty

56Lit "MaXterile PS60"



2-Year Warranty

130Lit "MaXterile™ PS130"



(1) 50% H_2O_2 Bottle



(2) Air Filter-kit



(3) Movable Stand for "Maxterile PS60"



(4) (5) Indicator

- ■ ***Supplied by DAIHAN Korea*** ■ ***PL(Product Liability)***
- ■ ***수술용 내시경, 카테터, 모터가 있는 수술기구 등 고온, 증기, 압력에 취약한 의료기기의 멸균에 적합***
- ■ ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System.***
- ■ ***Speedy Sterilization Time within 30-60min, Economical Cycle Cost***
- ■ ***Environment Friendly : H_2O_2 Decomposes to Oxygen and Vapor Water, Leaving No Residues***

* Ideal for Sterilization of Medical Instruments that are Vulnerable to High Temp, Steam & Pressure such as Surgical Endoscopes, Catheter, Electric Surgical Instruments with Motor
* Lumen Test Certification by EN13060 / EN867-5 : - Flexible Lumen : Φ1×12,000mm - Stainless-steel Lumen : Φ1×1,000mm - Single through Lumen : Φ1×1,500mm
* Special H_2O_2 Injection System
* Self-diagnose and display Error Code ; Stops Operation and Vents in case of Any Malfunction
* Economical because of Using General 50% Hydrogen Peroxide(H_2O_2)
* Efficient in Using Space with Compact Size Body & Squared Inner Chamber
* Processing for Perfect Sterilizing :
  - Pre-Chamber Cleaning : Pre-Vacuum → H_2O_2 Injection → Diffusion
  - Plasma Sterilization : Vacuum → Plasma Processing & Sterilization → H_2O_2 Injection → Diffusion
  - Post Chamber Cleaning : Vacuum → Plasma Processing → Venting
* Built-in Thermal Printer

Specifications & Ordering information

<M3>

Spec. \ Model		"MaXterile™ PS60"	"MaXterile™ PS130"
Capacity		56 Lit	130 Lit
Sterilization Temp		55℃	
Sterilant		50% Hydrogen Peroxide(H_2O_2)	
Mode		Quick : 30 min Standard : 40 min Intense : 50 min	
Vacuum Capacity		330 Lit / min	513 Lit / min
Ambient Condition		Pressure : 700~1060 hPa, Temp : 10℃~40℃, Humidity : 30~75%	
Controller & Display		Microprocessor Touch Screen Controller (Temp, Timer, Program Cycle, Vacuum)	
		7″ LCD	10.4″ LCD
Door System		Push Interlocking	Automatic Interlocking
Tray (Included)		2 Stainless-steel Perforated Tray	
Safety Circuit		Over-Temp Protection, Current Leakage Breaker	
Printer		Thermal printer with 1 Record Paper Roll: w58×Φ40mm 1000 Sterilization Cycle Data / roll (Date, Temperature, Time, Error Status, etc.)	
Material		Interior : Reinforced & Electro Polished 304, Exterior : Stainless-steel 304	
Dimension (w×d×h) & Weight	Interior	285×700×h285mm	454×707×h404mm
	Exterior	680×880×h890mm, 172kg	750×980×h1600mm, 350kg
	Packing	720×900×h930mm, 190kg	900×1150×h1800mm, 360kg
Power Consumption		3.0 kW	3.3 kW
Electric Reqts.		220V, 50/60Hz, 1 Phase	
Cat. No.		DH.SteP8001	DH.SteP8002
Price, Each. ₩		32,625,000	58,000,000

* Other Specifications are available upon Customer's Request.

※ 운임 별도

Spare Accessory

		Ea. Price, ₩
DH.StePA1001	SS Perforated Tray, 250×660mm for **"MaXterile PS60"**	218,000
DH.StePA1006	SS Perforated Tray, 435×650×h30mm for **"MaXterile PS130"**	273,000
DH.StePA1011	(1) Bottle with Hydrogen Peroxide(50%), 100㎖	36,250
DH.StePA1012	Spare Bottle Only, Φ55×124mm	7,250
DH.SteA1006	Thermal Paper Package, 4 Paper Roll for Thermal Recorder	10,880
DH.SteA1016	(2) Replacement Air Filter-kit	67,000

Optional Accessory

		Ea. Price, ₩
DH.StePA1015	Oil Mist Trap for **"MaXterile PS60"**	185,000
DH.StePA1016	Oil Mist Trap for **"MaXterile PS130"**	185,000
DH.StePA1017	Oil for Vacuum Pump, 1Lit for **"MaXterile PS60"**	39,000
DH.StePA1018	Oil for Vacuum Pump, 1Lit for **"MaXterile PS130"**	38,070
DH.StePA1025	(3) Movable Stand with 1 Drawer, 680×865×h610mm	590,000
DH.StePA1030	(4) Biological Indicator, 100ea.	1,414,000
DH.StePA1031	(5) Chemical Indicator, 250sheet.	165,000

※ The Price(VAT is extra) for Korean End-user, and Changeable.

DAIHAN Scientific

Stirrers

DAIHAN SCIENTIFIC GROUP
Your Neighborhood Friend

Magnetic Stirrers ····· P. 758~761
Magnetic Stirring with Heating / Hotplate Stirrer ··· P. 762~764
Overhead Stirrers, High Speed-type ····· P. 765~768
, High Torque-type ····· P. 769~772
, 6-Paddle Stirrer(Jar Tester) ····· P. 773
, Accessories (Impeller/Rod/Stand) ··· P. 773~779

● Magnetic Stirrer



"MS-12D" Mini

"MS-20A" Analog

"MS-20D" Digital

● Magnetic Stirrer Multi-point



"MS-MP8"

● Hotplate Stirrer

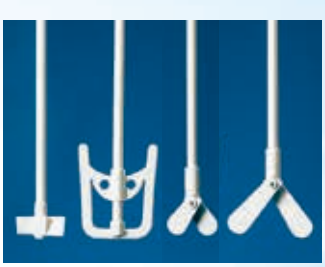


"MSH500"

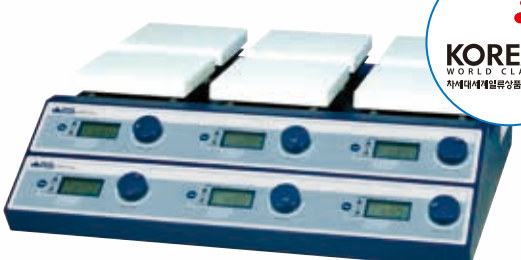
● Overhead Stirrer & Accessories



High Speed & High Torque



● Hotplate Stirrer Multi-point

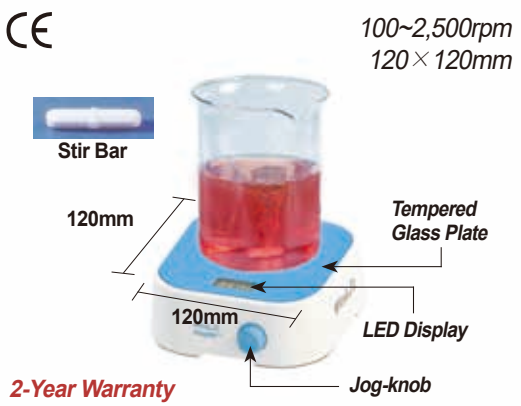


"SMHS-6"

Articles	Cat. No	Description

Wisd™ 120×120 Mini Hi-Quality Digital Magnetic Stirrer "MS-12D", Max. 2,500rpm, Max. 2Lit(H_2O)

With Tempered Glass Plate & PP Housing, Permanently Brushless Motor(BLDC), Digital LED Display, Waterproof, **소형 디지털 자력교반기**



120×120mm Mini Magnetic Stirrer "MS-12D"

- ***Supplied by DAIHAN Korea***
- ***CE Certified*** ■ ***PL(Product Liability) Insurance***
- ***Hi-Capacity Brushless Motor(BLDC) : High Efficiency Stirring Performance and Precise Speed Control(Minimize RPM Fluctuation), Low Maintenance Cost.***
- ***Outstanding Chemical Resistance due to Tempered Glass Plate(120×120mm) and PP Housing***
- ***Higher Speed Range from 100~2,500 rpm*** ■ ***Waterproof Structure***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***

∗ Digital Speed LED Display. ∗ Electronically Controlled Motor for more Capacity
∗ Includes 1ea×3cm Stirring Bar ∗ Can be used with up to 5cm bar

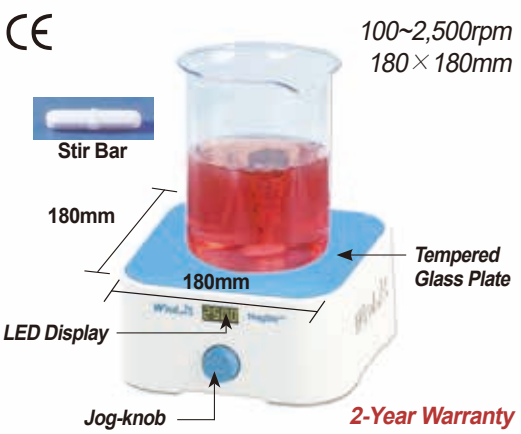
Specifications & Ordering information

〈L1〉

Spec. \ Models		"MS-12D" 120×120mm Plate
Motor & Stirring Capacity		Permanently Brushless Motor(BLDC), Max. 2Lit (H_2O)
Motor Rating(Input/Output)		6 / 3W
Speed Range & Motor		100~2,500rpm, High Performance Brushless DC-motor
Controller & Display		Digital PID Control with Jog-knob & Digital LED display
Stirring Bar		3cm bar-included, Usable : up to 5cm bar
Material		Tempered Glass Plate(5mm thick) & PP Housing
Dimension		Plate : 120×120mm, Body : 136×136×h50.5mm
Weight		0.5kg
Electrical Reqts.		DC 12V, with AC 230V Adapter, 50/60Hz
Cat. No.	230V	DH.StiM012
	120V	DH.StiM012.1
Price, Set. ₩		240,000

Wisd™ 180×180 Midi Hi-Quality Digital Magnetic Stirrer "MS-18D", Max. 2,500rpm, Max. 5Lit(H_2O)

With Tempered Glass Plate & PP Housing, Permanently Brushless Motor(BLDC), Digital LED Display, Waterproof, **미디 디지털 자력교반기**



180×180mm Midi Magnetic Stirrer "MS-18D"

- ***Supplied by DAIHAN Korea***
- ***CE Certified*** ■ ***PL(Product Liability) Insurance***
- ***Hi-Capacity Brushless Motor(BLDC) : High Efficiency Stirring Performance and Precise Speed Control(Minimize RPM Fluctuation), Low Maintenance Cost.***
- ***Outstanding Chemical Resistance due to Tempered Glass Plate(180×180mm) and PP Housing***
- ***Higher Speed Range from 100~2,500 rpm*** ■ ***Waterproof Structure***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***

∗ Digital Speed LED Display. ∗ Electronically Controlled Motor for more Capacity
∗ Includes 1ea×3cm Stirring Bar ∗ Can be used with up to 5cm bar

Specifications & Ordering information

〈L1〉

Spec. \ Models		"MS-18D" 180×180mm Plate
Motor & Stirring Capacity		Permanently Brushless Motor(BLDC), Max. 5Lit (H_2O)
Motor Rating(Input/Output)		12 / 6W
Speed Range & Motor		100~2,500rpm, High Performance Brushless DC-motor
Controller & Display		Digital PID Control with Jog-knob & Digital LED display
Stirring Bar		3cm bar-included, Usable : up to 5cm bar
Material		Tempered Glass Plate(5mm thick) & PP Housing
Dimension		Plate : 180×180mm, Body : 193×193×h80.5mm
Weight		1.6kg
Electrical Reqts.		DC 12V, with AC 230V Adapter, 50/60Hz
Cat. No.	230V	DH.StiM018
	120V	DH.StiM018.1
Price, Set. ₩		257,000

※ The Price(VAT is extra) for Korean End-user, and Changeable.

DAIHAN® Standard Digital & Analog Magnetic Stirrer "MS-20", 180×180mm Ceramic-Coated Plate, Max. 1,500rpm, Max. 20 Lit

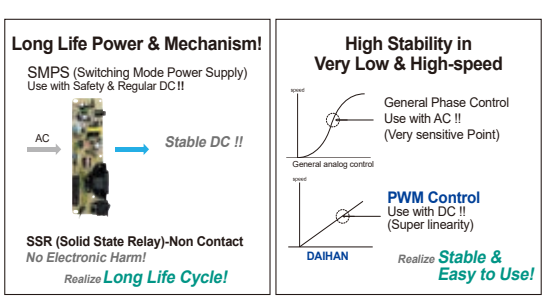
With Precise Speed Control, Permanently Brushless Motor(BLDC), with Certi. & Traceability, **디지털/아날로그 자력교반기, 세라믹 코팅 플레이트**



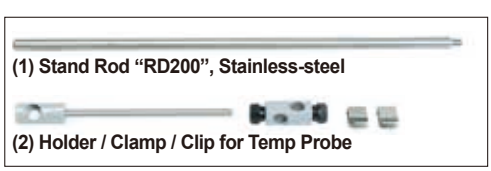
A. Digital Magnetic Stirrer "MS-20D"



B. Analog Magnetic Stirrer "MS-20A"



Specialized Features of "MS-20A"



- ***Supplied by DAIHAN Korea***
- ***CE Certified*** ■ ***PL (Product Liability) Insurance***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
- ***Ceramic Coated Plate-Chemical/Acid Resistance***
- ***Permanently Brushless Motor(BLCD)***

∗ Ideal for Heat-sensitive Procedures such as Microbiology and Biochemistry Applications
∗ Mixing for Chemical, Laboratory, Pharmaceutical Materials
∗ Smart Design of Body made by Aluminum Die-Casting
∗ Powerful Motor for Stirring Quantities of up to 20Lit (Water)
∗ Free Voltage (AC 80V ~ 240V, 50 / 60Hz) by SMPS

A. Digital Microprocessor Control System "MS-20D"

- ***Digital Feedback Control by High-Performance Microprocessor***
- ***Patented Jog-Shuttle Control System***

∗ Digital LCD Display with Back-Light Function
∗ Storage function for the set values : RPM and Time
∗ Digital Timer Function : 99hr 59min(with Continuous run.)
∗ Alarm Function : Error Status and Timer-End
∗ Locking Mode Supported for Experimental Safety (Jog-shuttle input blocked)

B. Analog PWM Control System "MS-20A"

∗ Superior Linearity for the Control of Stirring Speed by Specially Designed Control Circuitry (PWM Control)
∗ Long Life Power & Mechanism ∗ High Stability in Very Low & High-speed

Specifications & Ordering information

〈L1〉

Spec. \ Model		A. "MS-20D" Digital-type	B. "MS-20A" Analog-type
Plate Size		180×180mm	
Motor & Stirring Capa. (H_2O)		Permanently Brushless Motor(BLDC, Rating:10W), Max. 20Lit	
Speed Range		80 ~ 1,500 rpm	Max. 1,500 rpm
Speed Accuracy (%)		± 5	-
Speed Control Resolution		5 rpm	-
Timer & Alarm		99hr 59min, Error status & Timer-end	-
Display		Digital LCD with Back-Light	-
Controller		Digital Feedback Controller with Jog Shuttle Switch(Turn+Push)	Superior Linearity PWM Controller
Stirring Bar		3cm bar-included, Usable : up to 5cm bar	
Permissible Ambient Temp		Room Temp +5℃~50℃	
Permissible Relative Moisture		85%	
Material	Plate	Ceramic Coated Aluminum (Chemical / Acid Resistance)	
	Body	Powder Coated Aluminum	
Dimension (w×d×h)		206×307×99mm	
Weight (kg)		3.1 kg	
Packing Size (w×d×h) & Gross Weight		280×400×200mm	
		5 kg	
Power Consumption		10 W	
Electrical Reqts.		Free Voltage (1 Phase, AC 80 ~ 240V, 50 / 60 Hz)	
Cat. No.	230V	DH.WMS03022	DH.WMS03122
	120V	DH.WMS02022	DH.WMS02122
Price, Each. ₩		370,000	319,000

∗ Other Specifications are available upon Customer's Request.

Optional Stand Rod · Holder · Clamp · Clip

		Ea. Price, ₩
DH.WHP503036	(1) Stand Rod **"RD200"**, Stainless-steel, 1.5p screw, Φ12×L450mm, for **"MS-20A/20D"**	23,800
DH.WHP503012	(2) Holder / Clamp / Clip, **"CL220"**, for Temp Probe	30,000

Articles	Cat. No	Description

DAIHAN® Premium Magnetic Stirrer "MS500", Shade Motor, Max. 80~1,500 rpm, Max. 20Lit, Solid Ceramic Glass Plate, 200×200mm

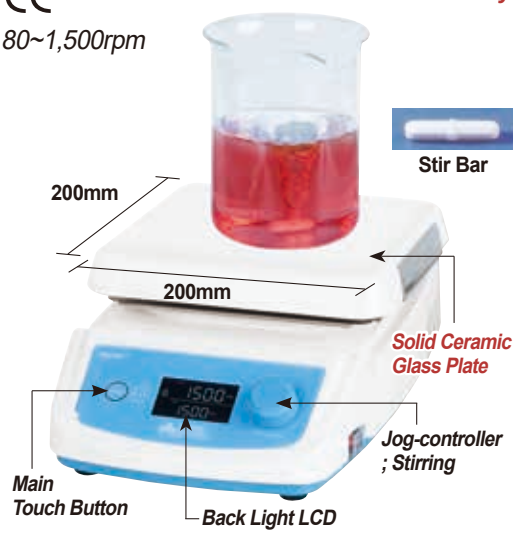
With Large LCD, Permanently Brushless Shade Motor(BLAC), Touch-button Controller, Digital Feedback Control, Precise Speed Control

고성능 디지털 자력 교반기, 디지털 피드백 제어, 초강력 쉐이드 모터

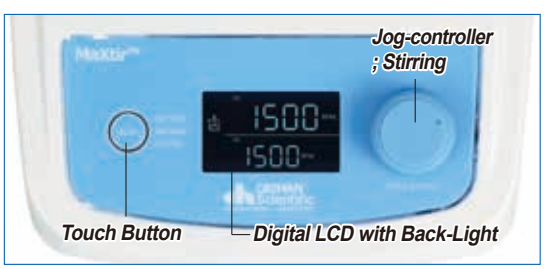
CE

2-Year Warranty

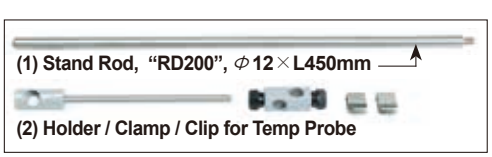
80~1,500rpm



Premium Digital Magnetic Stirrer "MS500"



Controller of "MS500"



- ***Supplied by DAIHAN Korea***
- ***CE Certified*** ■ ***Ergonomic Design*** ■ ***PL(Product Liability) Insurance***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
- ***Digital Feedback Control by High-Performance Microprocessor***
- ***Permanently Brushless Shade Motor & Powerful Magnet ensures Powerful Stirring and Precise Speed Control, Minimization Noise***
- ***High-quality Solid Ceramic Glass Plate : Heat · Chemical · Acid-Resistance and Easy to Clean***

* Large LCD Display for Current and Speed, and Timer
* Patented Controller "Jog-Dial" and Main Touch Button - Best Durability, Best Mobility, Best Convenient to Operate.
* Mixing for Chemical, Laboratory, Pharmaceutical Materials
* Storage Function for the set Values : RPM and Timer
* Minimization of Noise and Improved the Product Life
* Use of the Special Advanced Insulation for the safety of the Body Temp
* Locking Mode Supported for Experimental Safety (Input to Jog-Dial can be Disabled)
* Digital Timer Function(99hr 59min)
* Ergonomic Design of Body made by Aluminum Die-casting

Specifications & Ordering information

〈L2〉

Spec. \ Model		"MS500"
Material	Body	Powder Coated Aluminum
	Plate	Solid Ceramic Glass Plate, 200×200mm
Motor & Stirring Capa.		Permanently Brushless Shade Motor(BLAC), Max. 20 Lit
Speed & Control Resolution		80 ~ 1,500 rpm, 5 rpm
Timer & Alarm		99hr 59min (with Continuous run.), Error status & Timer-end
Display		Large Digital LCD with Back-Light Function
Controller		Digital Feedback Controller with Jog Dial (Turn+Push) and Touch button.
Stirring Bar		3cm bar-included, Usable : up to 5cm bar
Permissible Temp & RH %		Room Temp +5℃ ~ 50℃, 85% RH
Dimension & Weight		200×332×h114mm, 3.8kg
Electrical Reqts.		1 Phase, AC 120 V, 60 Hz or AC 230 V, 50 / 60 Hz
Cat. No.	230V	DH.WMS00500
	120V	DH.WMS00501
Price, Each. ₩		527,000

* **Other Specifications are available upon Customer's Request.**

Optional Stand Rod · Holder · Clamp · Clip

		Ea. Price, ₩
DH.WHP503036	(1) Stand Rod, **"RD200",** Stainless-steel, 1.5p screw, Φ12×L450mm	23,800
DH.WHP503012	(2) Holder / Clamp / Clip, **"CL220",** for Temp Probe	30,000

※ The Price(VAT is extra) for Korean End-user, and Changeable.

DAIHAN® Digital Multi-point Magnetic Stirrer "MS-MP", 4 & 8-Points, Max. 500㎖ per Point, 80~1,200 rpm

With Permanently Brushless Motor(BLDC), Digital Feedback Control, Digital LCD, Synchronous Operation, with Certi. & Traceability

4 & 8-멀티포인트 디지털 자력교반기, 디지털 피드백 컨트롤 시스템



A. Digital 4-Point Magnetic Stirrer "MS-MP4"



B. Digital 8-Point Magnetic Stirrer "MS-MP8"

- ***Supplied by DAIHAN Korea***
- ***CE Certified*** ■ ***PL (Product Liability) Insurance***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
- ***Ideally Suitable for Use in Incubators and Climatic Chambers***
- ***Excellent for Multi-use and wide range of Sample Testing***
- ***Patented Jog-Shuttle Control System*** ■ ***Permanently Brushless Motor(BLDC)***

∗ Ideal for Heat-sensitive Procedures such as Microbiology and Biochemistry Applications
∗ Synchronous Operation of 4 / 8 Stirring Points ∗ Up to 0.5 Lit. Stirring Capacity per Point
∗ Increased Effectiveness by Microprocessor Control
∗ Digital LCD with Back-Light Function ∗ Digital Timer Function (99 hr 59 min)
∗ Smooth Start and Change of Stirring Speed
∗ Storage Function for the Set Values : RPM and Timer
∗ Extraordinary Mechanical, Physical and Chemical Resistance
∗ Locking Mode supported for Experimental Safety (Input to Jog-Shuttle can be Disabled)
∗ Free Voltage (AC 80V ~ 240V, 50 / 60Hz) by SMPS

Specifications & Ordering information

<L1>

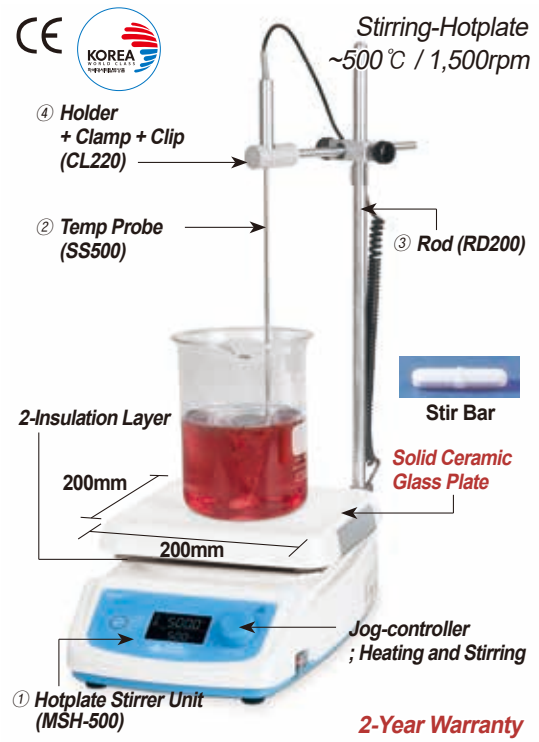
Spec. \ Model		A. "MS-MP4" 4 Stirring Points	B. "MS-MP8" 8 Stirring Points
Number of Stirring Points		4 (2×2) Stirring Points	8 (4×2) Stirring Points
Plate Size		208×215mm	208×415mm
Stirring Capacity (H_2O)		Max. 0.5 Lit per Point	
Distance between Stirring Points		100 mm	
Speed Range		80 ~ 1,200 rpm	
Motor		Permanently Brushless Motor(BLDC, Rating : 16/9 W)	
Speed Control Resolution		5 rpm	
Timer & Alarm		99hr 59min (with Continuous run.), Error status & Timer-end	
Display		Digital LCD with Back-Light Function	
Controller		Digital Feedback Controller with Jog Shuttle Switch(Turn+Push)	
Stirring Bar		4ea 3cm bar-included, Usable : up to 3cm bar	8ea 3cm bar-included, Usable : up to 3cm bar
Permissible Ambient Temperature		Room Temp +5℃~50℃	
Permissible Relative Moisture		85%	
Material	Plate	Stainless-steel (#304)	
	Body	Power Coated Steel	
Dimension (w×d×h)		208×280×75mm	208×480×75mm
Weight		2.5 kg	3.5 kg
Others		PL(Product Liability) Insurance Storage Function (RPM, Timer) Locking Mode (Jog-Shuttle Input Disabled) Alarm (Error Status and Timer-end)	
Packing Size (w×d×h) & Gross Weight		300×330×180mm	330×540×180mm
		6 kg	
Power Consumption		20 W	
Electrical Reqts.		Free Voltage (1 Phase, AC 80~240V, 50/60 Hz)	
Cat. No.	230V	DH.WMS03036	DH.WMS03038
	120V	DH.WMS02036	DH.WMS02038
Price, Each. ₩		342,000	438,000

∗ Other Specifications are available upon Customer's Request.

DAIHAN® Premium 500℃ High-Temp Hotplate Stirrer "MSH500", Solid Ceramic Glass Plate, 200×200mm, 80~1,500rpm

With Permanently Brushless Shade Motor(BLAC), Large LCD, Optimum Insulation Layer. Accurate Temp Control, Hot-Top Indicator

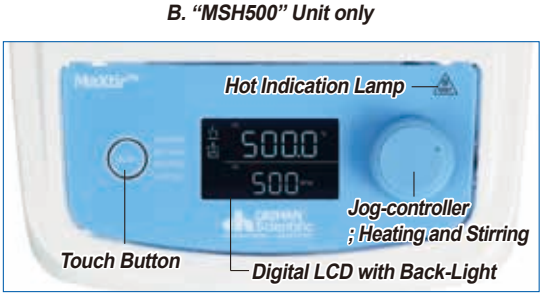
고온용 디지털 가열 자력 교반기, 최적의 방열구조, 디지털 피드백 온도 제어, 내열성 · 내화학성 · 내산성 솔리드 세라믹 글라스 플레이트



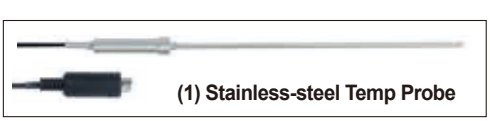
A. "MSH500" Package-set

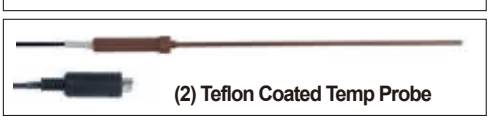


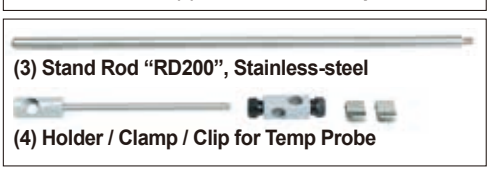
B. "MSH500" Unit only



Controller of "MSH500" model







- ***Supplied by DAIHAN Korea***
- ***CE Certified*** ■ ***PL (Product Liability) Insurance*** ■ ***Ergonomic Design***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
- ***High-quality Solid Ceramic Glass Plate : Heat-/Chemical-/Acid-Resistance and Easy to Clean***
- ***Optimum Insulation Fourfold Layer : BTU + Ceramic Paper + 2 SS Insulation Layer***
- ***Permanently Brushless Shade Motor & Powerful Magnet ensures Powerful Stirring and Precise Speed Control, Minimization Noise***

* Microprocessor PID control
* Patented Controller "Jog-Dial" and Main Touch Button - Best Durability, Best Mobility, Best Convenient to Operate with Back-Light Function
* 2 Internal K-type Temp Sensor Operating Independently :
  - 1 Temp Control Sensor for Temperature Accuracy
  - 1 Over Temp Detection Sensor for User Safety
* Hot Top Indicator LED Lamp : Hot Surface(Over 50℃) Warning Lamp for User Safety
* Excellent for Sample Drying and most General Lab Heating Applications
* User's Self -Compensation Function : to Control Difference between Real Temp and Indicated Temp (±20.0℃)
* Accurate Temp Control of the Sample in the Vessel using PT100 Sensor (Optional)
* Storage Function for the set Values : Temp and Timer
* Use of the Special Advanced Insulation for the safety of the Body Temp
* Locking Mode Supported for Experimental Safety (Input to Jog-Dial can be Disabled)

Specifications & Ordering information

<L2>

Spec. \ Model		A. "MSH500" (Package-set)	B. "MSH500" (Unit Only)
Material	Body	Powder Coated Aluminum	
	Plate	Solid Ceramic Glass Plate, 200×200mm	
Motor & Stirring Capa.		Permanently Brushless Shade Motor(BLAC), Max. 20 Lit	
Speed & Control Resolution		80~1,500 rpm, 5 rpm	
Temp Range & Accuracy		Max. 500℃, ±0.3℃ at Set Temperature	
Temp Resolution		0.1℃-Display, 0.5℃-Control	
Temp Uniformity		Specially Designed Heating Module : Temp Difference 10% less	
Heating Power / Consumption		850W	
Timer & Alarm		99hr 59min (with Continuous run.), Error status & Timer-end	
Display		Digital LCD with Back-Light Function	
Controller		Digital Feedback Controller with Jog Dial (Turn+Push) and Touch button.	
Stirring Bar		3cm bar-included, Usable : up to 5cm bar	
Safety Circuit		Over Temp Protection, Hot Top Indicator LED Lamp	
included Standard Acc.		1ea Stir Bar, ②Temp Probe ③Rod ④Holder+Clamp	1ea Stir Bar
Permissible Temp & RH %		Ambient +5℃~50℃, 85% RH	
Dimension & Weight		200×332×h114mm, 3.8kg	
Electrical Reqts.		1 Phase, AC 120 V, 60 Hz or AC 230 V, 50 / 60 Hz, with Cord/Plug	
Cat. No.	230V	**DH.WMH00500**	**DH.WMH01500**
	120V	**DH.WMH00501**	**DH.WMH01501**
Price, Each. ₩		744,000	667,000

*** Other Specifications are available upon Customer's Request.**

Component of Package-set

* Package-set : ① Hotplate Stirrer Unit ② **"SS500"** PT100 External / Direct Contact Temp Probe, ③ **"RD200"** Stainless-steel Support Rod Φ12×L450mm ④ **"CL220"** Holder+Clamp+Clip for External Temp Probe

Optional External Temp Probe · Stand Rod · Holder · Clamp · Clip

		Ea. Price, ₩
DH.WHP503060	(1) External / Direct Contact Temp Probe, **"SS500",** Stainless-steel, Φ4×L250mm, Cable L190mm	53,800
DH.WHP503061	(2) External / Direct Contact Temp Probe, **"SS510", Teflon Coated,** Φ4×L250mm, Cable L190mm,	63,800
DH.WHP503036	(3) Stand Rod **"RD200",** Stainless-steel, Φ12×L450mm, 1.5p screw, for **"MSH500"**	23,800
DH.WHP503012	(4) Holder / Clamp / Clip, **"CL220",** for Temp Probe	30,000

※ The Price(VAT is extra) for Korean End-user, and Changeable.

DAIHAN® 380℃ Standard Analog & Digital Hotplate Stirrer "MSH-A" & "MSH-D", Ceramic-Coated Plate, 80~1,500 rpm

180×180mm or 260×260mm Plate, with Accurate Temp. Control, Superior Temp Uniformity, with Certi. & Traceability

Permanently Brushless Motor(BLDC), **아날로그 & 디지털 가열 자력 교반기, 우수한 온도제어 · 온도균일성 · 세라믹 코팅 플레이트**

A. 180×180mm Plate,

Ⅰ. Analog Unit "MSH-20A"

Ⅱ. Digital Unit & Ⅲ. Package Set

"MSH-20D" "MSH-20D Set"



① Hotplate "MSH-20D"

2-Year Warranty

Ⅲ. Fig ; Digital Package Set (MSH-20D Set)

B. 260×260mm Plate,

Ⅰ. Analog Unit "MSH-30A"

Ⅱ. Digital Unit & Ⅲ. Package Set

"MSH-30D" "MSH-30D Set"



2-Year Warranty

(Ⅱ-B) Digital "MSH-30D", 260×260mm Plate

- *Supplied by DAIHAN Korea*
- *CE Certified*
- *PL (Product Liability) Insurance*
- *with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System*
- *Excellent for Sample Drying and most General Lab Heating Applications*
- *Permanently Brushless Motor(BLDC)*

Ⅰ. Analog PWM Control System "MSH-A"

∗ Superior Linearity PWM Control for Temperature & Stirring Speed

Ⅱ. Digital Microprocessor Control System "MSH-D"

- *Patented Jog-Shuttle Control System*

∗ Speed & Control Resolution : 80 ~ 1,500 rpm, 5 rpm
∗ Temp Accuracy / Resolution : ±0.3℃ at Set Temp / 0.1℃-Display, 0.5℃-Control
∗ Timer & Alarm : 99hr 59min(with Continuous run), Error status & Timer-end
∗ Safety Circuit : Over Temp Protection
∗ User's Self-Compensation : Control Difference between Real Temp & Indicated Temp (±20.0℃)
∗ Accurate Temp Control of the Sample in the Vessel using PT100 Sensor
∗ Storage Function for the set Values : Temp and Timer
∗ Locking Mode Supported for Experimental Safety (Input to Jog-Shuttle can be Disabled)

Ⅲ. Digital Package-set ; Complete with

∗ **Ⅲ-A. "MSH-20D" Set :** ① Hotplate Stirrer **"MSH-20D"**, ② **"SS500"** PT100 External / Direct Contact Temp Probe, ③ **"RD200"** Stainless-steel Support Rod Φ12×L450mm, ④ **"CL220"** Holder+Clamp+Clip for External Temp Probe

∗ **Ⅲ-B. "MSH-30D" Set :** ① Hotplate Stirrer **"MSH-30D"**, ② **"SS500"** PT100 External / Direct Contact Temp Probe, ③ **"RD100"** Stainless-steel Support Rod Φ12.7×L390mm, ④ **"CL220"** Holder+Clamp+Clip for External Temp Probe

Specifications & Ordering information

<L1>

Spec. \ Model		A. 180×180mm Plate (I-A) Analog "MSH-20A" (Ⅱ-A) Digital "MSH-20D"	B. 260×260mm Plate (I-B) Analog "MSH-30A" (Ⅱ-B) Digital "MSH-30D"
Plate Size(mm)		180×180mm Plate-type	260×260mm Plate-type
Material	Body	Powder Coated Aluminum	Powder Coated steel
	Plate	Ceramic Coated Aluminum (Chemical / Acid Resistance, Easy to Clean)	
Motor & Stirring Capa.		Permanently Brushless Motor(BLDC, Rating : 10w), Max. 20Lit	
Temp Uniformity		Specially Designed Heating Module : Temp Difference 10% less	
Heating Power/Consumption		600W	1.2kW
Stirring Bar		3cm bar-included, Usable : up to 5cm bar	
Permissible Temp & RH %		Ambient +5℃~50℃, 85% RH	
Dimension & Weight		206×307×h99mm, 3.3kg	286×387×h99mm, 3.5kg
Packing Size & Gross Weight		400×280×h200mm, 5kg	430×320×h200mm, 5kg
Electrical Reqts.		1 Phase, AC 120V, 60Hz or AC 230V, 50 / 60Hz	
Ⅰ. Analog Unit Only		**(I-A) "MSH-20A"**	**(I-B) "MSH-30A"**
Cat. No.	230V	**DH.WMH03120**	**DH.WMH03121**
	120V	**DH.WMH02120**	**DH.WMH02121**
Price, Each. ₩		357,000	568,000
Ⅱ. Digital Unit Only		**(Ⅱ-A) "MSH-20D"**	**(Ⅱ-B) "MSH-30D"**
Cat. No.	230V	**DH.WMH03020**	**DH.WMH03022**
	120V	**DH.WMH02020**	**DH.WMH02022**
Price, Each. ₩		423,000	630,000
Ⅲ. Digital Package-set		**(Ⅲ-A) "MSH-20D" Set**	**(Ⅲ-B) "MSH-30D" Set**
Cat. No.	230V	**DH.WMH03021**	**DH.WMH03023**
	120V	**DH.WMH02021**	**DH.WMH02023**
Price, Each. ₩		535,000	758,000

∗ Other Specifications are available upon Customer's Request.



(1) Stainless-steel Temp Probe



(2) Teflon Coated Temp Probe

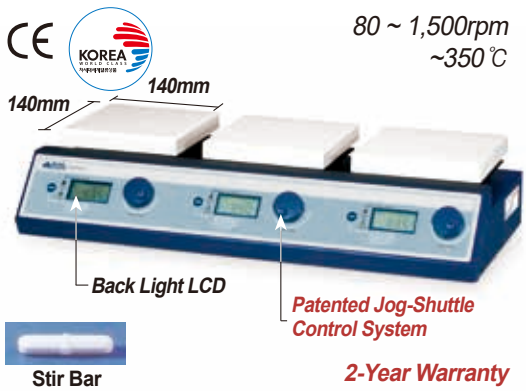
Optional External Temp Probe · Stand Rod · Holder · Clamp · Clip

		Ea. Price, ₩
DH.WHP503060	(1) Temp Probe, **"SS500", "PT100"**, Φ4×L250mm	53,800
DH.WHP503061	(2) **Teflon Coated** Temp Probe, **"SS510"**, Φ4×L250mm	63,800
DH.WHP503011	Stand Rod, **"RD100"**, Φ12.7×L390 for **"MSH-30A / 30D"**	11,300
DH.WHP503036	, **"RD200"**, Φ12×L450 for **"MSH-20A / 20D"**	23,800
DH.WHP503012	Holder / Clamp / Clip, **"CL220"**, for Temp Probe	30,000

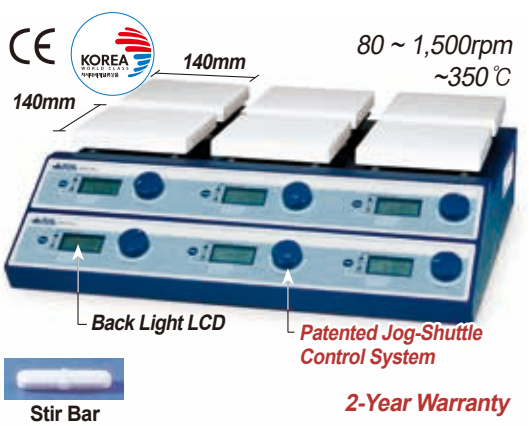
DAIHAN® 350℃ Systematic Multi-Hotplate Stirrer "SMHS", 3- or 6-Places, Ceramic-Coated Plate, 80~1,500 rpm

With Digital Feedback Control, Independent Heating & Stirring Control, Permanently Brushless Motor(BLDC)

멀티 가열 자력 교반기, 우수한 온도균일성, 3- or 6- 구 개별 조절 가능

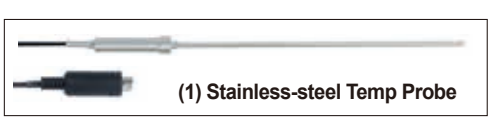


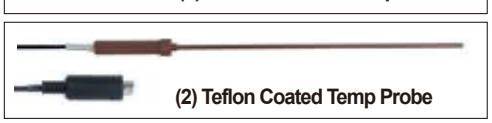
A. 3 Plate-type Multi-Hotplate Stirrer "SMHS-3"

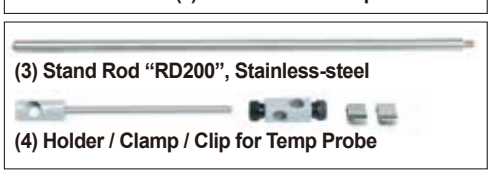


B. 6(3×2) Plate-type Multi-Hotplate Stirrer "SMHS-6"

※ 3 Rear Hotplate Stirrer SMHS-6 have 3 Ports available to connect External Temp Probe


(1) Stainless-steel Temp Probe


(2) Teflon Coated Temp Probe


(3) Stand Rod "RD200", Stainless-steel

(4) Holder / Clamp / Clip for Temp Probe

■ *Supplied by DAIHAN Korea* ■ *CE Certified* ■ *PL (Product Liability) Insurance*
■ *with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System*
■ *Excellent for Multi-use and Wide Range Sample Testing*
■ *Patented Jog-Shuttle Control System* ■ *Permanently Brushless Motor(BLDC)*

* Digital Feedback Control by High-Performance Microprocessor
* Ceramic Coated Plate-Chemical/Acid Resistance
* Maximum Temperature of 350℃ with ±0.3℃ Control Accuracy
* Accurate Temp Control of the Sample in the Vessel using PT100 Sensor (Optional)
* Digital Timer Function Included : 99 hr 59 min
* Storage Function for the Set Values : Temperature, RPM and Timer
* Locking Mode for Experimental Safety Supported

Specifications & Ordering information

〈L1〉

Spec. \ Model		A. "SMHS-3" 3 Plates	B. "SMHS-6" 6 Plates
Plate-type		3 Plate-type	6(3×2) Plate-type
Plate Size		140×140mm	
Motor & Stirring Capa.		Permanently Brushless Motor(BLDC), Max. 20Lit(H_2O)	
Motor Rating		9/4W×3	9/4W×6
Speed & Control Resolution		80 ~ 1,500 rpm, 5 rpm	
Temp Range & Accuracy		Max. 350℃, ±0.3℃ at Set Temp	
Temp Resolution		0.1℃-Display, 0.5℃-Control	
Temp Uniformity		Specially Designed Heating Module : Temp Difference 10% less	
Heating Power/Consumption		400 W ×3 Plates	400 W ×6 Plates
Timer & Alarm		99hr 59min (with Continuous run.), Error status & Timer-end	
Display		Digital LCD with Back-Light Function	
Controller		Digital Feedback Controller with Jog Shuttle Switch (Turn+Push)	
Stirring Bar		3cm bar-included, Usable : up to 5cm bar	
Ports for Stand Rod		2ea	4ea
Permissible Temp & RH %		Room Temp +5℃~50℃, 85% RH	
Material	Body	Powder Coated steel	
	Plate	Ceramic Coated Aluminum	
Dimension & Weight		510×240×h100mm, 10kg	510×410×h180mm, 18kg
Packing Size & Gross Weight		540×330×h170mm, 10kg	570×540×h230mm, 18kg
Electrical Reqts.		1 Phase, AC 120V, 60Hz or AC 230V, 50 / 60Hz	
Cat. No.	230V	DH.WMH03503	DH.WMH03506
	120V	DH.WMH02503	DH.WMH02506
Price, Each. ₩		1,113,000	2,082,000

* Other Specifications are available upon Customer's Request. ※ 운임 별도

※ 3 Rear Hotplate Stirrer SMHS-6 have 3 Ports available to connect External Temp Probe.

Optional External Temp Probe · Stand Rod · Holder · Clamp · Clip

		Ea. Price, ₩
DH.WHP503060	(1) External / Direct Contact Temp Probe, **"SS500",** Stainless-steel, Φ4×L250mm, Cable L190mm	53,800
DH.WHP503061	(2) External / Direct Contact Temp Probe, **"SS510", Teflon Coated,** Φ4×L250mm, Cable L190mm,	63,800
DH.WHP503036	(3) Stand Rod **"RD200",** Stainless-steel, 1.5p screw, Φ12×L450mm, for **"SMHS"**	23,800
DH.WHP503012	(4) Holder / Clamp / Clip, **"CL220",** for Temp Probe	30,000

※ The Price(VAT is extra) for Korean End-user, and Changeable.

DAIHAN® Overhead Stirrer Selection Guide of Product Line

Key Specification of Product Line

Speed or High Torque	High Speed							High Torque						
Controller Type	Analog Model		Digital Model					Digital Model						
	Integrated Controller		Integrated Controller		Remote Controller		Premium Digital Model	Integrated Controller		Remote Controller			Premium Digital Model	
Model Name	HS-50A	HS-120A	HS-30D	HS-100D	HS-30T	HS-100T	OVS-S05	HT-50DX	HT-120DX	HT-50T	HT-120T	HT-140T	OVS-T16	OVS-G30
Max. Stirring Capacity(H_2O)	10Lit	20Lit	10Lit	20Lit	10Lit	20Lit	100Lit	40Lit	60Lit	40Lit	60Lit	100Lit	100Lit	100Lit
Max. Viscosity(mPas) (Viscosity Standard Oil 1.5Lit)	5,000	10,000	5,000	10,000	5,000	10,000	50,000	60,000	90,000	60,000	90,000	120,000	200,000	350,000
Motor Rating (Input / Output)	83W /75W	130W /120W	83W /75W	130W /120W	83W /75W	130W /120W	200W /180W	83W /75W	130W /120W	83W /75W	130W /120W	130W /120W	200W /180W	200W /180W
Max. Torque (N·cm)	70	80	70	80	70	80	200	180	210	180	210	300	700	800
Speed Range (RPM)	200 ~ 3,000							50 ~ 1,000					50 ~ 2,000	10 ~ 550
Max. Push Through Shafts Φ(mm)	8						10							
Max. Chcuk Grip Capa. Φ(mm)	10							12					10	
Controller	Analog Phase Controller		Digital Feedback Controller with Jog Shuttle Switch (Turn+Push)		Digital Feedback Controller with Jog Shuttle Switch (Turn+Push), Remote type		Digital Feedback Controller with Jog Shuttle Switch (Turn + Push)	Digital Feedback Controller with Jog Shuttle Switch (Turn+Push)		Digital Feedback Controller with Jog Shuttle Switch (Turn+Push), Remote type			Digital Feedback Controller with Jog Shuttle Switch (Turn+Push)	
Display	None		Back Light LCD					Back Light LCD						
Permissible Temp. & Humidity	0 ~ 40°C / 80%													
Power Supply	1 Phase, AC 120 V, 60 Hz or AC 230 V, 50 / 60 Hz													

Selection Guide for Standard Viscosity

(Unit : mPas)

Material	Viscosity	Recommended Models							
Water	1	HS-50A HS-30D HS-30T	HS-120A HS-100D HS-100T	OVS-S05	HT-50DX HT-50T	HT-120DX HT-120T	HT-140T	OVS-T16	OVS-G30
Milk	3								
Soybean oil	160								
Varnish	500								
Lacquer	1,000								
Honey	3,000								
Viscosity Standard Oil	5,000								
	10,000	-	-	-	-	-	-	-	
	15,000								
Ketchup	30,000								
Viscosity Standard Oil	50,000								
	60,000								
Mustard	70,000								
Viscosity Standard Oil	90,000								
Corn Syrup	100,000								
Viscosity Standard Oil	120,000								
	150,000								
	200,000								
Peanut Butter	250,000								
Viscosity Standard Oil	350,000								

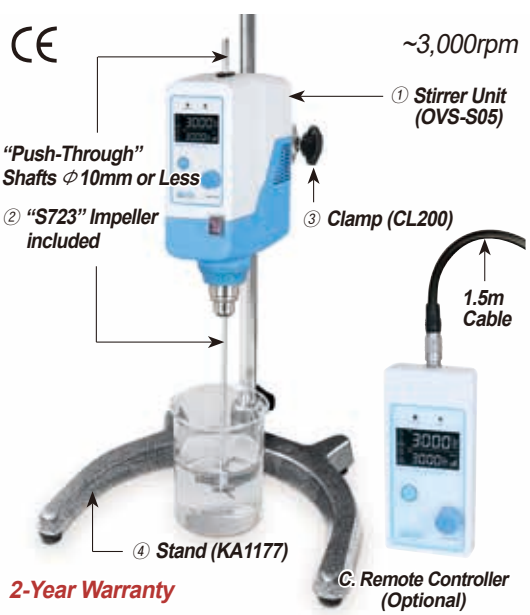
DAIHAN® Premium Hi-Speed Overhead Stirrer "OVS-S05", with Permanently Brushless Motor(BLDC), 2:1, Max. 3,000rpm

With Torque(Ncm) · Viscosity(mPas) · Temperature(℃) · Real Time Display, Optional Remote Control, 50,000mPas, Max. 100Lit

"Push-Through" Shaft(Φ10mm or Less), 프리미엄 고속 교반기, 저/중점도용, 고사양 BLDC-motor, 토크 · 점도 · 온도 표시기능



A. Max. 100Lit (H₂O) Premium "OVS-S05" Unit Only



B. Max. 100Lit (H₂O) Premium "OVS-S05" Package-set

- ***Supplied by DAIHAN Korea*** ■ ***CE Certified*** ■ ***PL (Product Liability) Insurance***
- ***Patented Jog Dial & Touch Button***
- ***Hi-Capacity Brushless Motor(BLDC) : High Efficiency Stirring Performance and Precise Speed Control(Minimize RPM Fluctuation), Low Maintenance Cost***
- ***Torque Value(Ncm)-/Viscosity(mPas)-/Temperature(℃) Real-time Display Can be used with K-type Temp Probe for Temperature Display.***
- ***Can be used with Optional Digital Remote Controller.***
- ***"Push-Through" Shafts(Φ10mm or Less) ; Ideal for Raising or Lowering the Stir-Shafts without Moving the Motor Head - "Adjustable Height of Shaft"***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***

∗ Ideal for Low-/Middle-Viscosity ∗ Smooth Start and Change of the Stirring Speed.
∗ Large Size Digital LCD Display

Specifications & Ordering information

〈L1〉

Spec. \ Model	"OVS-S05" Max. Speed 3,000rpm
Stirring Capacity	Max. 100Lit (H_2O)
Maximum Viscosity / Torque	50,000 mPas / 200 Ncm
Speed Range & Motor	200~3,000RPM, Hi-Capacity Brushless Motor(BLDC), 2:1
Motor Rating (Input / Output)	200 / 180W
Controller / Safety Device	Digital PID Control / Over Heat & Current Protector for Motor
Chuck Grip Capa. Φmm	dia Φ3~10mm Shafts, Flex-Coupling(Φ6~12mm)
"Push-Through" Shafts	dia Φ10mm or Less
Permissible Temp & Humidity	0℃~40℃, 80%
Dimension & Weight & Material	84×205×h275mm, 3.5kg, Aluminum Die Casting
Power Consumption	250W
Electrical Reqts.	1 Phase, AC 120V, 60 Hz or AC 230 V, 50 / 60 Hz

∗ Other Specifications are available upon Customer's Request

A. Unit-only

		Ea. Price, ₩
DH.StiO0005	Hi-Speed Overhead Stirrer Unit **"OVS-S05"**, 230V	1,347,000
DH.StiO0005.1	, 120V	1,347,000

B. Package-set

∗ Complete with ① **"OVS-S05"** StirrerUnit
② **"S723"** Stainless-steel Impeller (Rod Φ8×L650mm, 3-Blade Φ80mm)
③ **"CL200"** Clamp
④ **"KA1177"** Safety Stand (Rod Φ23×L800mm, Base 34×29cm)

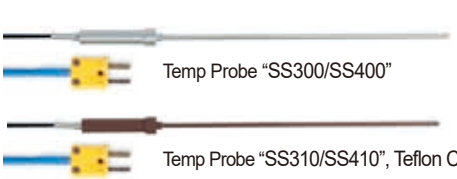
		Ea. Price, ₩
DH.StiO0105	Overhead Stirrer **"OVS-S05"** Package-set, 230V	1,483,000
DH.StiO0105.1	, 120V	1,483,000

C. Optional Digital Remote Controller, with Connecting Cable 1.5m

∗ **Assembly-type, Torque / Viscosity / Temp**-Control & Display
∗ Connecting Cable 1.5m(Included) and 2m(Option)
∗ Size : w75×d150×h30mm, Weight : 150g

		Ea. Price, ₩
DH.WOS50010	Digital Remote Controller with 1.5m Connecting Cable & Plug	147,000
DH.Cabl002	Optional Connecting Cable & Plug, 2m	25,000

Optional Temperature Probe



(1) Direct Contact Temp Probe, K-type (Optional)



(2) K-type PTFE Encapsulated Stainless-steel Thermocouple Probe (Optional)

(1) Direct Contact Temp Probe, K-type

		Ea. Price, ₩
DH.WHP503040	Temp Probe, K-type, **"SS300"**, L250×Φ4.8 mm	61,300
DH.WHP503050	, **"SS400"**, L380×Φ4.8 mm	63,800
DH.WHP503041	Temp Probe, K-type, **"SS310"**, Teflon Coated, L250×Φ5 mm	101,300
DH.WHP503051	, **"SS410"**, Teflon Coated, L380×Φ5 mm	107,500

(2) K-type PTFE Encapsulated Stainless-steel Thermocouple Probe

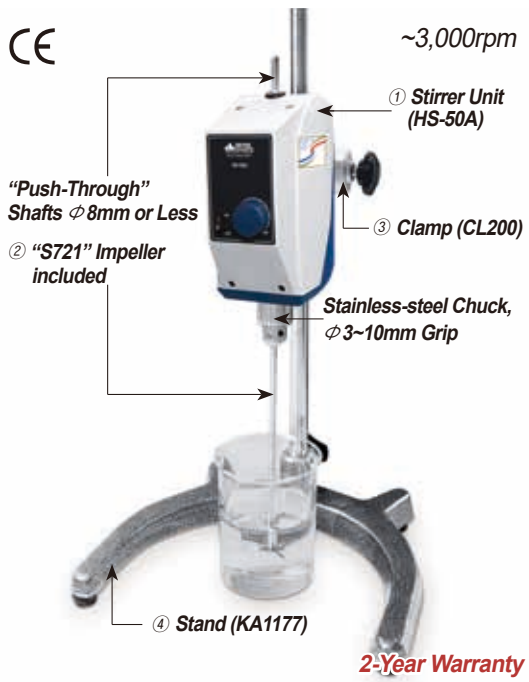
※ **Note! Optional Probes ⇒ See the "Measuring, Thermometers, K-type" Section.**
Optional Stirrer Shafts ⇒ See the "Stirrer, Accessories" Section.

※ The Price(VAT is extra) for Korean End-user, and Changeable.

DAIHAN® High-Speed Analog Overhead Stirrer "HS-A", for Low-/Middle-Viscosity, Max.10 · 20Lit, Max. 3,000rpm

With "Push-Through" Shaft(Φ8mm or Less) and Chuck grip Φ3~10mm, Flex-Coupling Φ6~12mm, up to 5,000 · 10,000mPas

아날로그 고속 교반기, 저/중점도용, 사용교반봉 ; ①기본은Φ3~10mm, ②관통은Φ3~8mm, & ③별도의 Flex-Coupling 활용시Φ6~12mm



Max. 10 Lit (H_2O) High-Speed Analog Overhead Stirrer "HS-50A" Package-set

■ *Supplied by DAIHAN Korea* ■ *CE Certified* ■ *PL (Product Liability) Insurance*

■ *Ensure Minimize RPM Fluctuation : Very Stable Stirring Speed(RPM) Performance*

∗ with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System

∗ "Push-Through" Shafts(Φ8mm or Less) ; Ideal for Raising or Lowering of the Stir-Shafts without Moving the Motor Head - "Adjustable Height of Shaft"

∗ Easy-to-use Dial for Speed Setting ∗ Smooth Start and Change of the Stirring Speed

Specifications & Ordering information

〈L1〉

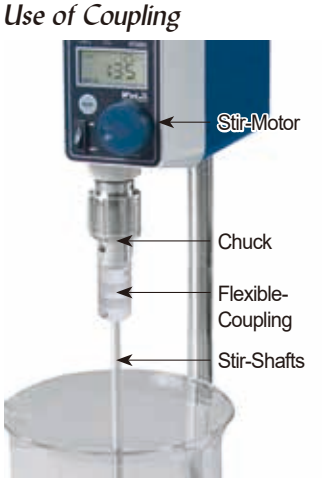
Spec. \ Models		"HS-50A" Max. Stirring Capa. 10 Lit	"HS-120A" Max. Stirring Capa. 20 Lit
Stirring Capacity		Max. 10 Lit (H_2O)	Max. 20 Lit (H_2O)
Maximum Viscosity / Torque		5,000 mPas / 85 Ncm	10,000 mPas / 145 Ncm
Speed Range & Motor		200 ~ 3,000 rpm, Direct Driven DC Motor	
Motor Rating (Input / Output)		83 / 75 W	130 / 120 W
Controller / Safety Device		Analog Phase Controller / Over Heat Protector for motor	
Chuck Grip Capa. Φmm		dia Φ3~10mm Shafts	
"Push-Through" Shafts		dia Φ8mm or Less	
Permissible Temp. & Humidity		0℃~40℃, 80%	
Material		ABS and Aluminum	
Dimension & Weight		90×145×h180mm, 4.5 kg	90×145×h180mm, 5.3 kg
Packing Size & Gross Weight		320×300×h180mm, 5 kg	320×300×h180mm, 8 kg
Power Consumption		85 W	130 W
Electrical Reqts.		1 Phase, AC 120 V, 60 Hz or AC 230 V, 50 / 60 Hz	
Unit-only			
Cat. No.	230V	**DH.WOS01210**	**DH.WOS01215**
	120V	**DH.WOS02210**	**DH.WOS02215**
Price, Each. ₩		357,000	394,000
Package-set (with ① Stirrer Unit, ② Impeller, ③ Clamp, ④ Stand)			
Cat. No.	230V	**DH.WOS01211**	**DH.WOS01216**
	120V	**DH.WOS02211**	**DH.WOS02216**
Price, Each. ₩		449,000	487,000

∗ **Other Specifications are available upon Customer's Request.**

∗ **"HS-50A" Package-set :** Complete with ① **"HS-50A"** Stirrer Unit, ② **"S721"** Stainless-steel Impeller (Rod Φ8×L500mm, 3-Blade Φ50mm), ③ **"CL200"** Clamp, and ④ **"KA1177"** Safety Stand (Rod Φ23×L800mm, Base w34×d29cm)

∗ **"HS-120A" Package-set :** Complete with ① **"HS-120A"** Stirrer Unit, ② **"S723"** Stainless-steel Impeller (Rod Φ8×L650mm, 3-Blade Φ80mm), ③ **"CL200"** Clamp, and ④ **"KA1177"** Safety Stand (Rod Φ23×L800mm, Base w34×d29cm)

The Figure ; Use of Coupling





Hi-flex Metal for Φ6~16mm Shafts

Flexible Coupling, for Safety Stirring of Φ6~16mm Shafts of Overhead Stirrers

For Stirrers between Stirring Motor and Shaft, 안전교반용 유연성 커플링

■ *Supplied by DAIHAN Korea* ■ *Used to Compensate Any Vibrations Between The Motor and Stirring Shafts*

∗ Made of DURALUMIN ∗ Shaft Fastening by Screw Clamp Band

∗ with Exchangeable SS Chucking Rod Φ8 / 10 / 12mm, L40mm

〈L1〉

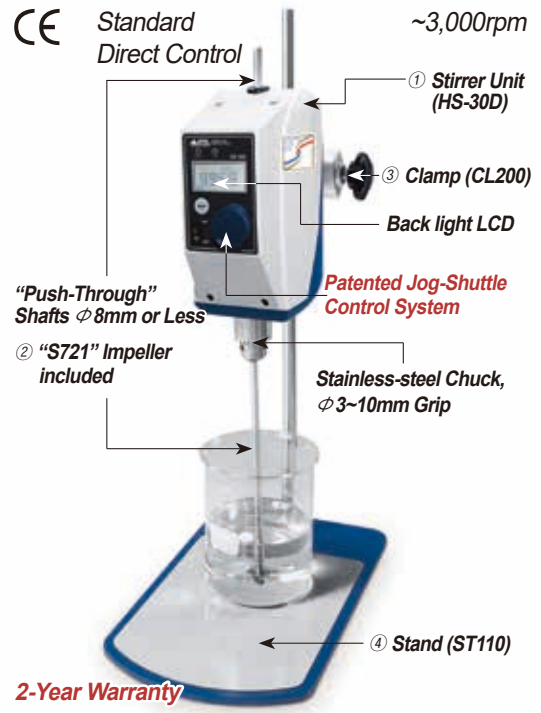
		Ea.	Price, ₩
SL.StiC011	Stir-Coupling, Hi-flex, Φ8mm Chuck-rod , for-Φ6mm Stir-Shaft , 56g , Φ25×h44mm		62,500
SL.StiC012	-Φ8mm Stir-Shaft , 53g , Φ25×h44mm		62,500
SL.StiC013	-Φ10mm Stir-Shaft, 49g , Φ25×h44mm		62,500
SL.StiC014	, Φ10mm Chuck-rod, for-Φ8mm Stir-Shaft , 49g , Φ25×h44mm		62,500
SL.StiC015	-Φ10mm Stir-Shaft, 43g , Φ25×h44mm		62,500
SL.StiC016	-Φ12mm Stir-Shaft, 33g , Φ25×h44mm		62,500
SL.StiC017	, Φ12mm Chuck-rod, for-Φ10mm Stir-Shaft, 33g , Φ25×h44mm		62,500
SL.StiC018	-Φ12mm Stir-Shaft, 123g, Φ32×h60mm		75,000
SL.StiC019	-Φ14mm Stir-Shaft, 120g, Φ32×h60mm		75,000
SL.StiC020	-Φ16mm Stir-Shaft, 118g, Φ32×h60mm		75,000

※ **Note! Details of Wide-Range Coupling : See the "Stirrer, Accessories" Section.**

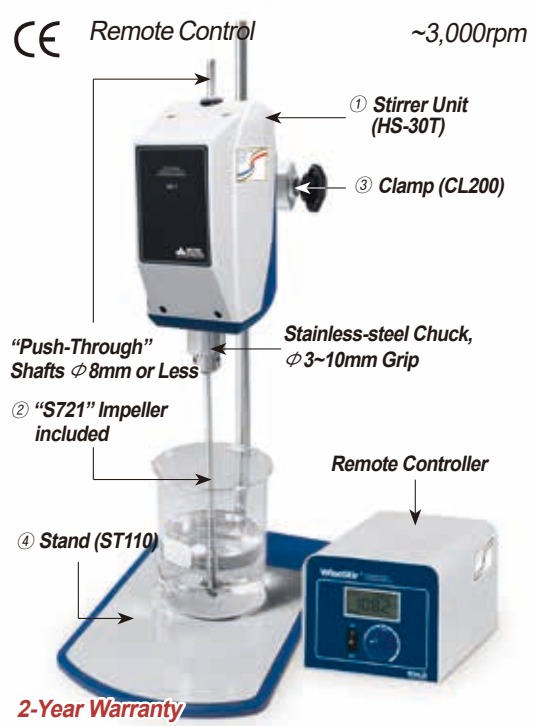
DAIHAN® High-Speed Digital Overhead Stirrers "HS-D" & "HS-T", for Low-/Middle-Viscosity, Max.10 · 20Lit

With "Push-Through" Shaft and Chuck grip Φ3~10mm, Flex-Coupling Φ6~12mm, Max. 3,000rpm, up to 5,000 · 10,000mPas

디지털 고속 교반기, 저/중점도용, 사용교반봉 ; ①기본은Φ3~10mm, ②관통은Φ3~8mm, & ③별도의 Flex-Coupling 활용시Φ6~12mm



(I-A) Max. 10 Lit (H_2O) High-Speed Digital Overhead Stirrer "HS-30D" Package-set



(II-A) Max. 10 Lit (H_2O) High-Speed Digital Overhead Stirrer, with Remote Controller "HS-30T" Package-set

■ *Supplied by DAIHAN Korea* ■ *CE Certified* ■ *PL(Product Liability) Insurance*

■ *Ensure Minimize RPM Fluctuation : Very Stable Stirring Speed(RPM) Performance*

■ *Patented Jog-Shuttle Control System*

* with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System
* "Push-Through" Shafts(Φ8mm or Less) ; Ideal for Raising or Lowering of the Stir-Shafts without Moving the Motor Head - "Adjustable Height of Shaft"
* Smooth Start and Change of the Stirring Speed

I. Digital Standard-type "HS-D"

〈L1〉

Spec. \ Models		A. "HS-30D" Max. Stirring Capa. 10 Lit	B. "HS-100D" Max. Stirring Capa. 20 Lit
Maximum Viscosity / Torque		5,000 mPas / 70 Ncm	10,000 mPas / 80 Ncm
Speed Range & Resolution		200~3,000 rpm, 1 rpm-Display / 1 rpm-Control	
Motor / Safety		Device Direct Driven DC Motor / Overload & Heat Protector for Motor	
Motor Rating (Input / Output)		83 / 75 W	130 / 120 W
Timer & Alarm		99hr 59min (with Continuous run.), Error status & Timer-end	
Controller / Display		Digital Feedback Controller / Digital LCD with Back-Light Function	
Chuck Grip Capa. Φmm		dia Φ3~10mm Shafts	
"Push-Through" Shafts		dia Φ8mm or Less	
Permissible Temp. & Humidity		0℃~40℃, 80%	
Material		ABS and Aluminum	
Dimension & Weight		90×145×h180mm, 4.5kg	90×145×h180mm, 5.3kg
Packing Size & Gross Weight		320×300×h180mm, 5kg	320×300×h180mm, 8kg
Power Consumption		85 W	130 W
Electrical Reqts.		1 Phase, AC 120V, 60 Hz or AC 230V, 50 / 60 Hz	
Unit-only			
Cat. No.	230V	**DH.WOS01015**	**DH.WOS01025**
	120V	**DH.WOS02015**	**DH.WOS02025**
Price, Each. ₩		480,000	518,000
Digital Package-set (with ① Stirrer Unit, ② Impeller, ③ Clamp, ④ Stand)			
Cat. No.	230V	**DH.WOS01016**	**DH.WOS01026**
	120V	**DH.WOS02016**	**DH.WOS02026**
Price, Each. ₩		575,000	630,000

II. Digital Remote Controlled-type "HS-T"

Spec. \ Model		A. "HS-30T" Max. Stirring Capa. 10 Lit	B. "HS-100T" Max. Stirring Capa. 20 Lit
Maximum Viscosity / Torque		5,000 mPas / 70 Ncm	10,000 mPas / 80 Ncm
Speed Range & Motor		200~3,000 rpm, Direct Driven DC Motor	
Motor Rating (Input / Output)		83 / 75 W	130 / 120 W
Timer & Alarm		99hr 59min (with Continuous run.), Timer-end Alarm	
Controller / Display		Digital Feedback Controller / Digital LCD with Back-Light Function	
Chuck Grip Capa. Φmm		dia Φ3~10mm Shafts	
"Push-Through" Shafts		dia Φ8mm or Less	
Permissible Temp. & Humidity		0℃~40℃, 80%	
Safety Device / Material		Overload & Heat Protector for motor / ABS and Aluminum	
Dimension & Weight*		90×100×h180mm, 3kg	90×100×h180mm, 3.8kg
Packing Size & Gross Weight		580×340×h230mm, 5kg	580×340×h230mm, 8kg
Power Consumption		75 W	120 W
Electrical Reqts.		1 Phase, AC 120V, 60 Hz or AC 230V, 50 / 60 Hz	
Unit & Remote Controller			
Cat. No.	230V	**DH.WOS01035**	**DH.WOS01045**
	120V	**DH.WOS02035**	**DH.WOS02045**
Price, Each. ₩		579,000	619,000
Remote Package-set (with ① Stirrer Unit + Remote Controller, ② Impeller, ③ Clamp, ④ Stand)			
Cat. No.	230V	**DH.WOS01036**	**DH.WOS01046**
	120V	**DH.WOS02036**	**DH.WOS02046**
Price, Each. ₩		665,000	724,000

* **Weight of Remote Controller = 2.5kg** ** **Other Specifications are available upon Customer's Request.**

* **"HS-30D(30T)" Package-set :** Complete with ① **"HS-30D(30T)"** Stirrer Unit (with Remote Controller), ② **"S721"** Stainless-steel Impeller(Rod Φ8×L500mm, 3-Blade Φ50mm), ③ **"CL200"** Clamp, and ④ **"ST110"** Standard Plate Stand(Rod Φ16×L800mm, Base w20×d35cm)
* **"HS-100D(100T)" Package-set :** Complete with ① **"HS-100D(100T)"** Stirrer Unit (with Remote Controller), ② **"S723"** Stainless-steel Impeller(Rod Φ8×L650mm, 3-Blade Φ80mm), ③ **"CL200"** Clamp, and ④ **"ST120"** Wide Plate Stand(Rod Φ23×L1,000mm, Base w30×d40cm)

※ The Price(VAT is extra) for Korean End-user, and Changeable.

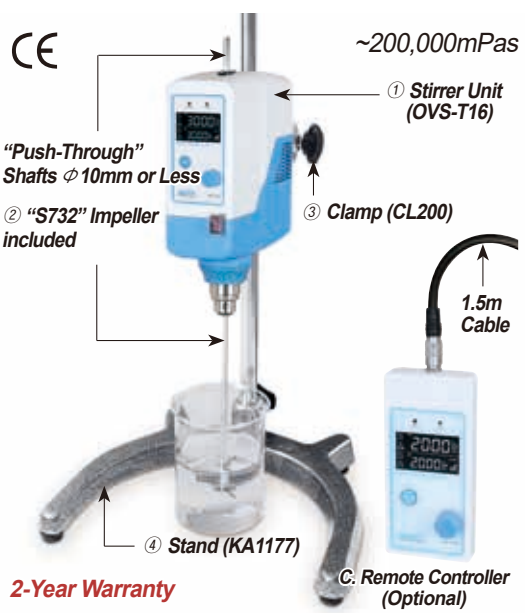
DAIHAN® Premium Hi-Torque Overhead Stirrer "OVS-T16", with Permanently Brushless Motor(BLDC), Max. 14:1, 200,000mPas

With Torque(Ncm) · Viscosity(mPas) · Temperature(℃) · Real Time Display, Optional Remote Control, Max. 2,000rpm

"Push-Through" Shaft(Φ10mm or Less), Chuck Grip Capa. Φ6~14mm Shafts, 프리미엄 중/고점도용 교반기, 고사양 BLDC-motor, 토크 · 점도 · 온도 표시기능



A. Max. 100Lit (H₂O) Premium "OVS-T16" Unit Only



B. Max. 100Lit (H₂O) Premium "OVS-T16" Package-set

- ■ Supplied by DAIHAN Korea ■ CE Certified ■ PL (Product Liability) Insurance
- ■ 다양한 점도 교반을 위해 Φ6~14mm 의 Impeller Shaft가 장착 가능한 Chuck Grip.
- ■ Patented Jog Dial & Touch Button
- ■ Hi-Capacity Brushless Motor(BLDC) : High Efficiency Stirring Performance and Precise Speed Control(Minimize RPM Fluctuation), Low Maintenance Cost
- ■ Torque Value(Ncm)-/Viscosity(mPas)-/Temperature(℃) Real-time Display Can be used with K-type Temp Probe for Temperature Display.
- ■ Can be used with Optional Digital Remote Controller.
- ■ "Push-Through" Shafts(Φ10mm or Less) ; Ideal for Raising or Lowering the Stir-Shafts without Moving the Motor Head - "Adjustable Height of Shaft"
- ■ Wide Range Chuck Grip Capa. Φ6~14mm for High Viscosity.
- ■ with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System

∗ Ideal for Low-/Middle-Viscosity ∗ Smooth Start and Change of the Stirring Speed.
∗ Large Size Digital LCD Display

Specifications & Ordering information

‹L1›

Spec. \ Model	"OVS-T16" Max. Torque 200,000mPas
Stirring Capacity	Max. 100 Lit (H_2O)
Maximum Viscosity / Torque	200,000 mPas / 700 Ncm
Speed Range & Motor	50~2,000RPM, Hi-Capacity Brushless Motor(BLDC), Gear(2.6:1 / 14:1)
Motor Rating (Input / Output)	200 / 180W
Controller / Safety Device	Digital PID Control / Over Heat & Current Protector for Motor
Chuck Grip Capa. Φmm	dia Φ6~14mm Shafts, Flex-Coupling(Φ6~16mm)
"Push-Through" Shafts	dia Φ10mm or Less
Permissible Temp & Humidity	0℃~40℃, 80%
Dimension & Weight & Material	84×205×h275mm, 3.5kg, Aluminum Die Casting
Power Consumption	250W
Electrical Reqts.	1 Phase, AC 120V, 60 Hz or AC 230V, 50 / 60 Hz

∗ Other Specifications are available upon Customer's Request

A. Unit-only

		Ea. Price, ₩
DH.StiO0016	Hi-Torque Overhead Stirrer Unit **"OVS-T16"**, 230V	1,603,000
DH.StiO0016.1	, 120V	1,603,000

B. Package-set

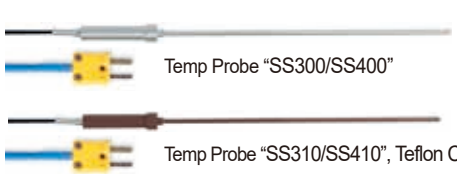
∗ Complete with ① **"OVS-T16"** Stirrer Unit
② **"S732"** Stainless-steel Impeller (Rod Φ8×L500mm, 4-Blade Φ70mm)
③ **"CL200"** Clamp
④ **"KA1177"** Safety Stand (Rod Φ23×L800mm, Base 34×29cm)

		Ea. Price, ₩
DH.StiO0116	Overhead Stirrer **"OVS-T16"** Package-set, 230V	1,738,000
DH.StiO0116.1	, 120V	1,738,000

C. Optional Digital Remote Controller, with Connecting Cable 1.5m

∗ **Assembly-type, Torque / Viscosity / Temp**-Control & Display
∗ Connecting Cable 1.5m(Included) and 2m(Option)
∗ Size : w75×d150×h30mm, Weight : 150g

		Ea. Price, ₩
DH.WOS50010	Digital Remote Controller with 1.5m Connecting Cable & Plug	147,000
DH.Cabl002	Optional Connecting Cable & Plug, 2m	25,000



(1) Direct Contact Temp Probe, K-type (Optional)



(2) K-type PTFE Encapsulated Stainless-steel Thermocouple Probe (Optional)

Optional Temperature Probe

(1) Direct Contact Temp Probe, K-type

		Ea. Price, ₩
DH.WHP503040	Temp Probe, K-type, **"SS300"**, L250×Φ4.8 mm	61,300
DH.WHP503050	, **"SS400"**, L380×Φ4.8 mm	63,800
DH.WHP503041	Temp Probe, K-type, **"SS310"**, Teflon Coated, L250×Φ5 mm	101,300
DH.WHP503051	, **"SS410"**, Teflon Coated, L380×Φ5 mm	107,500

(2) K-type PTFE Encapsulated Stainless-steel Thermocouple Probe

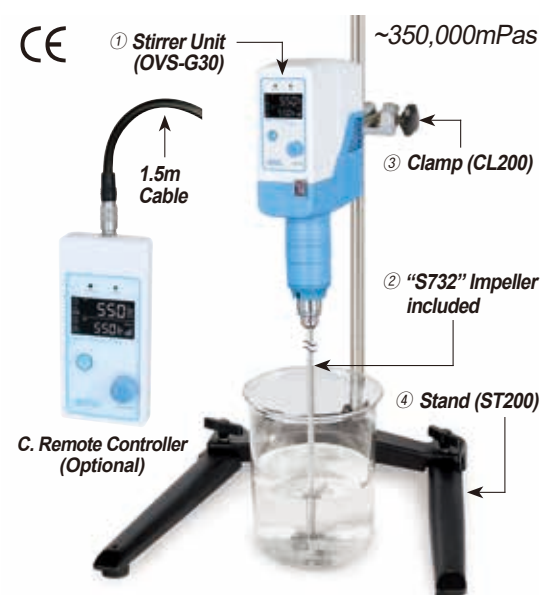
※ **Note! Optional Probes ⇒ See the "Measuring, Thermometers, K-type" Section.**
Optional Stirrer Shafts ⇒ See the "Stirrer, Accessories" Section.

DAIHAN® Premium Ultra Hi-Torque Overhead Stirrer "OVS-G30", with Permanently Brushless Motor(BLDC), Max. 60:1, 350,000mPas

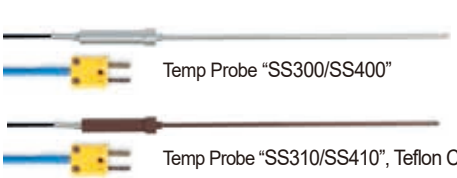
With Planetary-gear, Torque(Ncm) · Viscosity(mPas) · Temperature(℃) · Real Time Display, Optional Remote Control, Max. 550rpm Chuck Grip Capa. Φ6~14mm Shafts, **프리미엄 초고점도용 교반기, 고사양** BLDC-motor, **토크 · 점도 · 온도 표시기능**



A. Max. 100Lit (H₂O) Premium Ultra "OVS-G30" Unit Only



B. Max. 100Lit (H₂O) Premium Ultra "OVS-G30" Package-set



(1) Direct Contact Temp Probe, K-type (Optional)



(2) K-type PTFE Encapsulated Stainless-steel Thermocouple Probe (Optional)

- ***Supplied by DAIHAN Korea*** ■ ***CE Certified*** ■ ***PL(Product Liability) Insurance***
- ***다양한 점도 교반을 위해 Φ6~14mm 의 Impeller Shaft가 장착 가능한 Chuck Grip.***
- ***Patented Jog Dial & Touch Button***
- ***Hi-Capacity Brushless Motor(BLDC) : High Efficiency Stirring Performance and Precise Speed Control(Minimize RPM Fluctuation), Low Maintenance Cost***
- ***Torque Value(Ncm)-/Viscosity(mPas)-/Temperature(℃) Real-time Display Can be used with K-type Temp. Probe for Temperature Display.***
- ***Excellent Planetary Gear Design for High Torque(60:1 Ratio)***
- ***Wide Range Chuck Grip Capa. Φ6~14mm for High Viscosity.***
- ***Can be used with Optional Wire Digital Remote Controller.***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***

∗ Ideal for Low-/Middle-Viscosity ∗ Smooth Start and Change of the Stirring Speed.
∗ Large Size Digital LCD Display

Specifications & Ordering information

〈L1〉

Spec. \ Model	"OVS-G30" Max. Torque 350,000mPas
Stirring Capacity	Max. 100 Lit (H_2O)
Maximum Viscosity / Torque	350,000 mPas / 800 Ncm
Speed Range & Motor	10~550RPM, Hi-Capacity Brushless Motor(BLDC), Gear(11:1 / 60:1)
Motor Rating (Input / Output)	200 / 180W
Controller / Safety Device	Digital PID Control / Over Heat & Current Protector for Motor
Chuck Grip Capa. Φmm	dia Φ6~14mm Shafts, Flex-Coupling(Φ6~16mm)
Permissible Temp. & Humidity	0℃~40℃, 80%
Dimension & Weight & Material	84×205×h355mm, 3.5kg, Aluminum Die Casting
Power Consumption	250W
Electrical Reqts.	1 Phase, AC 120V, 60 Hz or AC 230V, 50 / 60 Hz

∗ **Other Specifications are available upon Customer's Request**

A. Unit-only

		Ea. Price, ₩
DH.StiO0030	Ultra Hi-Torque Overhead Stirrer Unit **"OVS-G30"**, 230V	1,960,000
DH.StiO0030.1	, 120V	1,960,000

B. Package-set

∗ Complete with ① **"OVS-G30"** Stirrer Unit
② **"S732"** Stainless-steel Impeller (Rod Φ8×L500mm, 4-Blade Φ70mm)
③ **"CL200"** Clamp
④ **"ST200"** Safety Stand (Rod Φ23×L1,200mm, Base 34×29cm)

		Ea. Price, ₩
DH.StiO0130	Overhead Stirrer **"OVS-G30"** Package-set, 230V	2,172,000
DH.StiO0130.1	, 120V	2,172,000

C. Optional Digital Remote Controller, with Connecting Cable 1.5m

∗ **Assembly-type, Torque / Viscosity / Temp**-Control & Display
∗ Connecting Cable 1.5m(Included) and 2m(Option)
∗ Size : w75×d150×h30mm, Weight : 150g

		Ea. Price, ₩
DH.WOS50010	Digital Remote Controller with 1.5m Connecting Cable & Plug	147,000
DH.Cabl002	Optional Connecting Cable & Plug, 2m	25,000

Optional Temperature Probe

(1) Direct Contact Temp Probe, K-type

		Ea. Price, ₩
DH.WHP503040	Temp Probe, K-type, **"SS300"**, L250×Φ4.8 mm	61,300
DH.WHP503050	, **"SS400"**, L380×Φ4.8 mm	63,800
DH.WHP503041	Temp Probe, K-type, **"SS310"**, Teflon Coated, L250×Φ5 mm	101,300
DH.WHP503051	, **"SS410"**, Teflon Coated, L380×Φ5 mm	107,500

(2) K-type PTFE Encapsulated Stainless-steel Thermocouple Probe

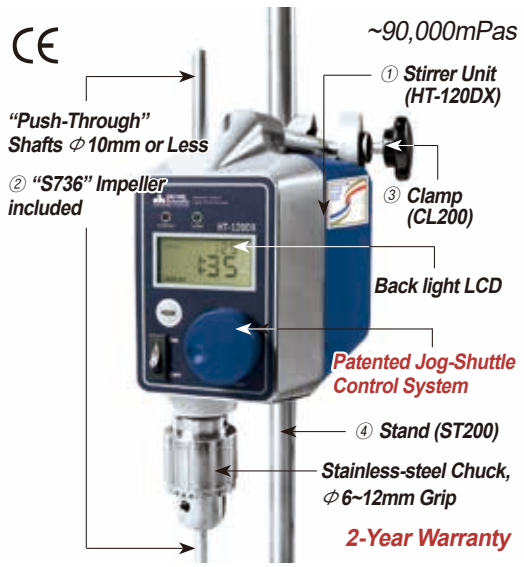
※ Note! Optional Probes ⇒ See the "Measuring, Thermometers, K-type" Section.
Optional Stirrer Shafts ⇒ See the "Stirrer, Accessories" Section.

※ The Price(VAT is extra) for Korean End-user, and Changeable.

DAIHAN® High-Torque Digital Overhead Stirrer "HT-DX", for Middle-/High-Viscosity, Max.40 · 60Lit, 60,000 · 90,000mPas

With "Push-Through" Shaft(Φ10mm or Less) and Chuck grip Φ6~12mm, Flex-Coupling Φ6~16mm, Max.1,000rpm

중/고점도용 강력교반기, 사용교반봉 ; ①기본은Φ6~12mm, ②관통은Φ6~10mm, & ③별도의 Flex-Coupling 활용시Φ6~16mm



B. Max. 60Lit Digital "HT-120DX" Package-set



■ *Supplied by DAIHAN Korea* ■ *CE Certified* ■ *PL (Product Liability) Insurance*

■ *Ensure Minimize RPM Fluctuation : Very Stable Stirring Speed(RPM) Performance*

■ *Patented Jog-Shuttle Control System*

* with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System
* 3.5:1 Ratio Worm-geared Motor
* "Push-Through" Shafts(Φ10mm or Less) ; Ideal for Raising or Lowering of the Stir-Shafts without Moving the Motor Head - "Adjustable Height of Shaft"
* Digital LCD with Back-Light Function
* Speed Range : 50 ~ 1,000 rpm, Control and Display by 1 rpm
* Timer : 99hr 59min (with Continuous run), Error status & Timer-end Alarm

► Digital Stirrer Package-set

* **A. "HT-50DX" Set :** Complete with ① **"HT-50DX"** Stirrer Unit, ② **"S732"** Stainless-steel Impeller (Rod Φ8×L500mm, 4-Blade Φ70mm), ③ **"CL200"** Clamp, and ④ **"ST120"** Wide Plate Stand (Rod Φ23×L1000mm, Base w30×d40cm)
* **B. "HT-120DX" Set :** Complete with ① **"HT-120DX"** Stirrer Unit, ② **"S736"** Stainless-steel Impeller (Rod Φ10×L650mm, 4-Blade Φ90mm), ③ **"CL200"** Clamp, and ④ **"ST200"** Deluxe Safety Stand (Rod Φ23×L1200mm, Base w39×up to 75cm)

Specifications & Ordering information

〈L1〉

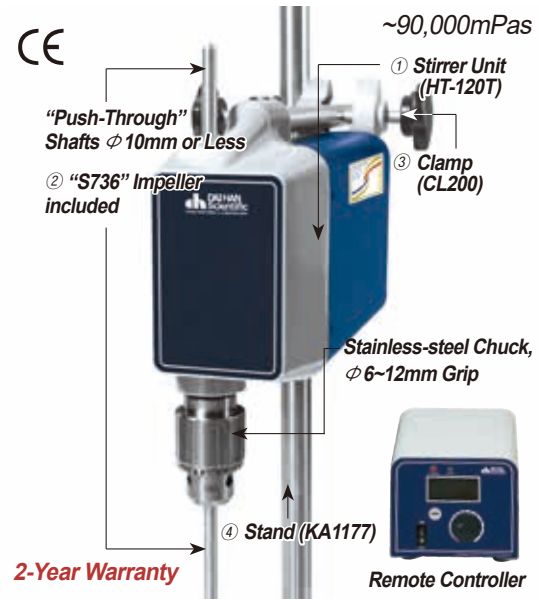
Spec. \ Model		A. "HT-50DX" Max. Stirring Capa. 40Lit	B. "HT-120DX" Max. Stirring Capa. 60 Lit
Stirring Capacity		Max. 40 Lit (H_2O)	Max. 60 Lit (H_2O)
Maximum Viscosity / Torque		60,000 mPas / 180 Ncm	90,000 mPas / 210 Ncm
Motor		Worm-Geared DC Motor (3.5:1 Ratio)	
Motor Rating (Input / Output)		83 / 75 W	130 / 120 W
Chuck Grip Capa. Φmm		dia Φ6~12mm Shafts	
"Push-Through" Shafts		dia Φ10mm or Less	
Permissible Temp. & Humidity		0℃~40℃, 80%	
Safety Device / Material		Overload & Heat Protector for Motor / ABS and Aluminum	
Dimension & Weight		90×180×h130mm, 3.5 kg	90×210×h130mm, 4 kg
Packing Size & Gross Weight		320×300×h180mm, 5 kg	320×300×h180mm, 8 kg
Power Consumption		85 W	130 W
Electrical Reqts.		1 Phase, AC 120V, 60 Hz or AC 230V, 50 / 60 Hz	
Digital Stirrer Only			
Cat. No.	230V	DH.WOS01051	DH.WOS01071
	120V	DH.WOS02051	DH.WOS02071
Price, Each. ₩		604,000	664,000
Digital Package Set (with ① Stirrer Unit, ② Impeller, ③ Clamp, ④ Stand)			
Cat. No.	230V	DH.WOS01052	DH.WOS01072
	120V	DH.WOS02052	DH.WOS02072
Price, Each. ₩		708,000	833,000

* Other Specifications are available upon Customer's Request.

DAIHAN® Remote Control High-Torque Digital Overhead Stirrer "HT-T", for Middle-/High-Viscosity, Max.40 · 60 · 100Lit

With "Push-Through" Shaft(Φ10mm or Less) and Chuck grip Φ6~12mm, Flex-Coupling Φ6~16mm, 120,000mPas, Max.1,000rpm

원격조절식 디지털 중/고점도용 강력교반기, 사용교반봉 ; ①기본은Φ6~12mm, ②관통은Φ6~10mm, & ③별도의 Flex-Coupling 활용시Φ8~16mm



Digital High-Torque Overhead Stirrer with Stirring Speed Remote Controller "HT-120T" Package-Set



"HT-140T" Digital High-Torque Overhead Stirrer (included Stirring Speed Remote Controller and Temp. Display) in Modular Reactor System

- ***Supplied by DAIHAN Korea*** ■ ***CE Certified*** ■ ***PL (Product Liability) Insurance***
- ***Ensure Minimize RPM Fluctuation : Very Stable Stirring Speed(RPM) Performance***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
- ***Patented Jog-Shuttle Control System***

∗ "Push-Through" Shafts(Φ10mm or Less) ; Ideal for Raising or Lowering of the Stir-Shafts without Moving the Motor Head - "Adjustable Height of Shaft"

∗ Included Remote-type Digital Feedback Controller :
- **"HT-50T", "HT-120T" model :** Included Stirring-speed Remote Controller
- **"HT-140T" model :** Ideal for Reaction System. Included Stirring-speed Control and Temperature Display Remote Controller for Reactor Module.

Specifications & Ordering information

〈L1〉

Spec. \ Model	"HT-50T" Max. Stirring Capa. 40L	"HT-120T" Max. Stirring Capa. 60L	"HT-140T" Max. Stirring Capa. 100L
Stirring Capacity(H_2O)	Max. 40 Lit	Max. 60 Lit	Max. 100 Lit
Maximum Viscosity / Torque	60,000 mPas / 180 Ncm	90,000 mPas / 210 Ncm	120,000 mPas / 300 Ncm
Speed Range & Motor	50~1,000 rpm		50~800 rpm
	Worm-Geared Motor(3.5:1 Ratio)		
Motor Rating (Input / Output)	83 / 75 W	130 / 120 W	
Timer & Alarm	99hr 59min (with Continuous run.), Timer-end Alarm		
Controller / Display	Digital Feedback Remote Controller / Digital LCD with Back-Light Function		
	Stirring Speed Remote Controller		Stirring Speed & Temp. Display Remote Controller
Max. Impeller Shaft Diameter	Φ10 mm		
Permissible Temp. & Humidity	0℃~40℃, 80%		
Safety Device	Overload & Heat Protector for motor		
Material	ABS and Aluminum		
Dimension & Weight*	155×180×h110mm, 3.5kg	155×230×h110mm, 4kg	
Packing Size & Gross Weight	580×340×h230mm, 5kg	580×340×h230mm, 8kg	
Power Consumption	75 W	120 W	
Electrical Reqts.	1 Phase, AC 120 V, 60 Hz or AC 230 V, 50 / 60 Hz		

Unit & Remote Controller				
Cat. No.	230V	DH.WOS01065	DH.WOS01075	DH.WOS01085
	120V	DH.WOS02065	DH.WOS02075	DH.WOS02085
Price, Each. ₩		704,000	764,000	824,000
Package-set (with ① Stirrer+Remote Contoller, ② Impeller, ③ Clamp, ④ Stand)				
Cat. No.	230V	DH.WOS01066	DH.WOS01076	-
	120V	DH.WOS02066	DH.WOS02076	-
Price, Each. ₩		802,000	922,000	-

∗ Weight of Remote Controller = 2.5kg **∗∗ Other Specifications are available upon Customer's Request.**

∗ **"HT-50T" Package-set :** Complete with ① **"HT-50T"** Stirrer Unit with Remote Controller ②**"S732"** Stainless-steel Impeller (Rod Φ8×L500mm, 4-Blade Φ70mm) ③**"CL200"** Clamp, and ④**"ST120"** Wide Plate Stand(Rod Φ23×L1000mm, Base w30×d40cm)

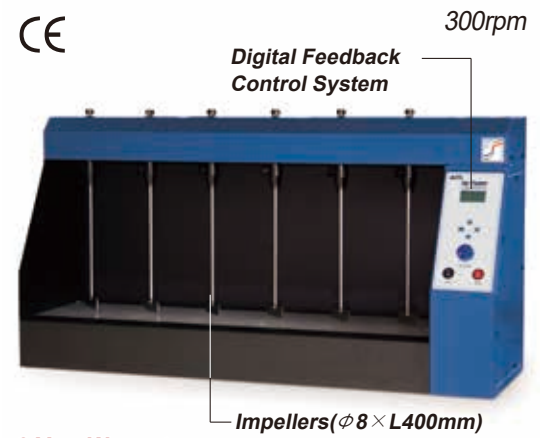
∗ **"HT-120T" Package-set :** Complete with ① **"HT-120T"** Stirrer Unit with Remote Controller ②**"S736"** Stainless-steel Impeller (Rod Φ10×L650mm, 4-Blade Φ90mm) ③**"CL200"** Clamp, and ④**"ST200"** Deluxe Safety Stand (Rod Φ23× L1,200mm, Base 39×up to 75cm)

※ Note! Details of Wide-Range Coupling : See the "Stirrer, Accessories" Section.

DAIHAN® Digital Jar Tester "JT-M6C", 6-Paddle Stirrer for Flocculation Test, 300 rpm, with Certi. & Traceability

With Programmable Digital Feedback Control, 6 Impellers, 6 Independent Light Source, up to 6×1Lit Beakers

프로그램/디지털 자 테스터, 정밀 직류 기어드 모터와 특화된 타이밍벨트, 디지털 피드백 컨트롤



2-Year Warranty

Jar Tester, Φ8×L400mm Shaft "JT-M6C"

- ■ *Supplied by DAIHAN Korea* ■ *CE Certified* ■ *PL (Product Liability) Insurance*
- ■ *with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System*
- ■ *Ideal for Flocculation Testing in Water Treatment Laboratories*
- ■ *6 Independent Light Source for Each Stirring Point*
- ∗ Deciding on Coagulant Chemistries ∗ Digital Display for RPM, Power Bar-Graph and Status
- ∗ Digital Feedback Control using Microprocessor : Stable and Accurate Stirring Speed
- ∗ Geared DC Motor and Specially Designed Timing Belt used
- ∗ Stable and Accurate Stirring Speed by Feedback Control
- ∗ Digital LCD with Back-Light Function ∗ Programmable Operation : 10 Steps, 6 Programs

Specifications & Ordering information

〈L1〉

Spec. \ Model	"JT-M6C"	
6×Paddler (Stainless steel Shaft)	Φ8×L400mm	
	Straight Blade w75×h25mm	
Stirring Capacity	6×1 Liter Beaker	
Motor & Power	Geared DC Motor with Timing Belt (10:1 ratio), 40W	
Speed & Accuracy	20~300 rpm, ±5 rpm	
Timer	99hr 59min 59sec (Programmable)	
Display	Digital LCD with Back-Light for RPM, Power Bar-Graph and Status	
Controller	Programmable Digital Feedback Controller with Jog-Shuttle Switch (Turn + Push)	
Program Function	10 Steps, 6 Programs, and Storage for Set Values : RPM and Timer	
Florescent Lamp	20W×6 (Independent Light Source for Each Sample)	
Dimension (w×d×h) (mm)	1,000×310×535	
Safety Device	Overload & Over Heat Protector for motor	
Others	PL(Product Liability) Insurance and Storage Function (RPM, Timer)	
Packing and Gross Weight	1,120×430×h740mm, 69 kg	
Electrical Reqts.	1 Phase, AC 120 V, 60 Hz or AC 230 V, 50 / 60 Hz	
Cat. No. Price, Each. ₩ 230V	DH.WJT06020	2,329,000
120V	DH.WJT06021	2,348,000

※ 운임 별도



Geared DC Motor with Special Timing Belt

, Stirrer Accessories 액세서리



SciLab® DURAN glass Stirring Rod, with Round Ends, Φ7~Φ10, L200~650mm

Borosilicate Glass α 3.3, **글라스핸디 교반봉, 끝부분이 둥근모양, 긁힘방지**

■ ***Made of DURAN® Glass Rod : by SciLab Korea.*** ∗ Rounded Ends for Extra Safety ∗ Non-Scratching

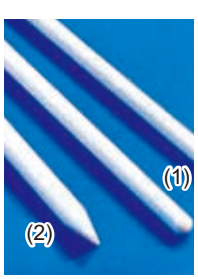
〈L1〉

(1) L200~350mm Length

		Ea. Price,₩
SL.StiS201	Glass Rod, Φ7, L200mm	3,790
SL.StiS202	, L250mm	3,840
SL.StiS203	, L300mm	3,930
SL.StiS204	Glass Rod, Φ8, L300mm	4,070
SL.StiS205	, L350mm	4,100

(2) L400~650mm Length

		Ea. Price,₩
SL.StiS206	Glass Rod, Φ8, L400mm	4,180
SL.StiS207	, L500mm	4,300
SL.StiS208	Glass Rod, Φ10, L450mm	5,920
SL.StiS209	, L500mm	5,920
SL.StiS210	, L650mm	6,450



Cowie® PTFE Handy Stirring Rod, Φ6/8×L200~400mm

With Steel-core or Solid PTFE, −200℃+280℃, <UK-Made> Teflon **핸디 교반봉**

∗ Can be Bent into a Permanent Shape

〈L1〉

(1) With PTFE/Steel Core

		Ea. Price,₩
CW.003.250	PTFE/Steel Rod, Φ6×L250 mm	13,580
CW.003.300	, Φ6×L300 mm	16,240
CW.003.350	, Φ6×L350 mm	20,630
CW.003.400	, Φ6×L400 mm	23,290

(2) With Solid PTFE, Tapered End

		Ea. Price,₩
CW.003.1200	PTFE Rod, Φ8×L200 mm	8,820
CW.003.1250	, Φ8×L250 mm	10,300
CW.003.1300	, Φ8×L300 mm	11,740

Articles	Cat. No	Description



Stainless-steel Stirring Rod, L165 & 240mm
For Bacteriological Applications, Autoclavable, **삼각 교반봉, 다용도**

■ ***Supplied by SciLab Korea***

∗ Ideal for Spreading and Dispersing, Distribution of Bacterial Substances on Solid Nutrient Media
∗ Smooth Triangular ends for Smooth Spreading

〈L1〉

		Ea. Price, ₩
SL.Spr7001	Cell Spreader/Stirring Rod, Stainless-steel, Φ3×L165×Blade width 35mm	2,590
SL.Spr7002	, Φ3×L165×Blade width 45mm	2,590
SL.Spr7003	, Φ3×L240×Blade width 30mm	2,740

Vacuum Stirrer-Guide, with DURAN® PBT Opentop Cap & PTFE/ Silicone O-Ring Seal and 24/- ~ 45/- Glass Joints
For Φ8~12mm Shafts, with Red PBT Screw Grip System, Chemically Inert, 200℃ Stable, **스크류 스터러 씰**



■ ***Supplied by SciLab Korea*** ■ ***Custom-Made Available / 규격외 Items 자유롭게 주문하세요!***

〈L1〉

(1) with ASTM 24/40~45/50 Joint

		Ea. Price,₩
SL.StiS241	for Φ8 mm Rod , GL25, 24/40	35,020
SL.StiS242	, 29/42	36,440
SL.StiS243	, 34/45	41,500
SL.StiS245	for Φ10mm Rod, GL25, 24/40	39,420
SL.StiS246	, 34/45	48,370
SL.StiS247	, GL32, 34/45	54,370
SL.StiS251	for Φ12mm Rod, GL32, 34/45	54,120
SL.StiS252	, 45/50	60,280

(2) with DIN 24/29~45/40 Joint

		Ea. Price,₩
SL.StiS241D	for Φ8 mm Rod , GL25, 24/29	35,240
SL.StiS242D	, 29/32	36,230
SL.StiS243D	, 34/35	44,370
SL.StiS245D	for Φ10mm Rod, GL25, 24/29	39,640
SL.StiS246D	, 34/35	48,370
SL.StiS247D	, GL32, 34/35	53,270
SL.StiS251D	for Φ12mm Rod, GL32, 34/35	53,020
SL.StiS252D	, 45/40	66,670



SciLab® Stirrer-Guide/Seals, PTFE, for Φ8~Φ14mm Shafts, with 24/- & 34/-Joints
With 2 Bearings / Screw-Retainer / Viton O-ring, −180℃+260℃ Stable, <Korea-Made> PTFE **스터러 씰**

〈L1〉

(1) for Φ8mm Stir-Shafts

		Ea. Price,₩
SL.Ada405	for Φ8mm Rod, 24/40	45,900
SL.Ada407	, 34/45	51,000

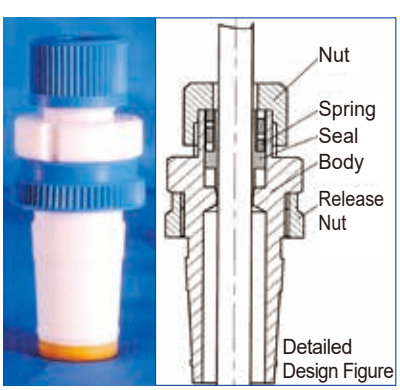
(2) for Φ10mm Stir-Shafts

		Ea. Price,₩
SL.Ada409	for Φ10mm Rod, 24/40	46,750
SL.Ada411	, 34/45	51,000

(3) for Φ12 & 14mm Stir-Shafts

		Ea. Price, ₩
SL.Ada413	PTFE Stir-Guide, for Φ12mm Rod, 34/45	51,000
SL.Ada415	, for Φ14mm Rod, 34/45	51,000

Cowie® Taper Joint-PTFE/PEEK High-class Vacuum Stirrer Guide, with ASTM/DIN Glass Cone Joint, for Φ8~16mm Shafts
Ideal for Middle/Low-Vacuum, Max-800rpm, Chemically Inert, −200℃+280℃ Stable, <UK-Made> **고품질 진공 교반씰**



■ ***Suitable for Glass Same Size Socket of ASTM or DIN*** ∗ PTFE in the only Media Contact Material

〈L1〉

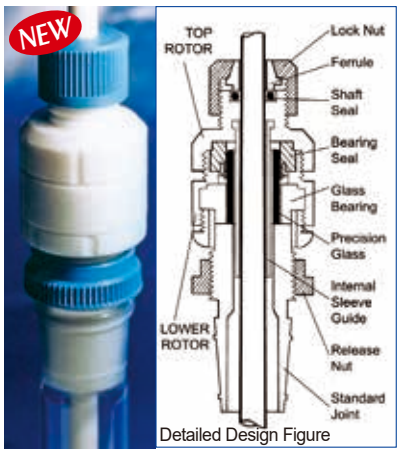
(1) for ASTM Socket Joint Sizes ; for Φ8~16mm Shaft

		Ea. Price, ₩
CW.005.0.0824	Stirrer Seal, USA-type, for-Φ 8mm Shafts, 24/40 Joint	243,040
CW.005.0.1024	-Φ10mm Shafts, 24/40 Joint	243,040
CW.005.0.1034	-Φ10mm Shafts, 34/45 Joint	263,280
CW.005.0.1434	-Φ14mm Shafts, 34/45 Joint	87,560
CW.005.0.1634	-Φ16mm Shafts, 34/45 Joint	344,370

(2) for DIN/ISO Socket Joint Sizes ; for Φ8~14mm Shaft

		Ea. Price, ₩
CW.005.00.0824	Stirrer Seal, EUROPE-type, for-Φ 8mm Shafts, 24/29 Joint	192,820
CW.005.00.1029	-Φ10mm Shafts, 29/32 Joint	204,190
CW.005.00.1045	-Φ10mm Shafts, 45/40 Joint	266,570

※ The Price(VAT is extra) for Korean End-user, and Changeable.



for High Vacuum / Pressure

Cowie® High-Vacuum/Pressure Stirrer Guide, PTFE/PEEK & Glass-Bearing Seal

For Φ8~16mm Shafts, Useable up to 800rpm, 280℃ Stable, <UK-Made> 고진공/압력용 교반 씰

■ ***High Vacuum 5mmHg & Pressure 3~5psi Performance***

∗ Anti-Whip, Reduced Vibration, No-Shedding, Self-Releasing Joint Ring, Totally Inert.

∗ Specially Fabricated Glass Ball-Bearing & PTFE/PEEK Seal : Useable up to 800rpm

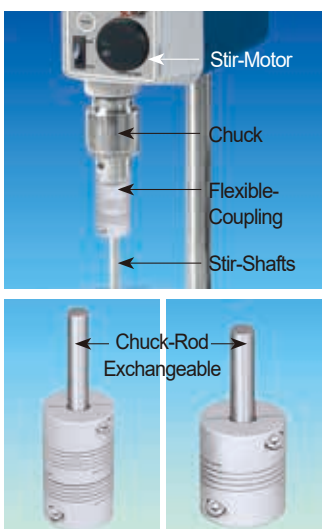
〈L1〉

(1) for ASTM Socket Joint Sizes ; for Φ8~16 mm Shafts

		Ea. Price, ₩
CW.005.1047	Stirrer Seal, USA-type, for-Φ 8mm Shafts, 24/40 Joint	566,580
CW.005.1057	-Φ10mm Shafts, 24/40 Joint	566,580
CW.005.1067	-Φ10mm Shafts, 29/42 Joint	566,580
CW.005.1097	-Φ14mm Shafts, 34/45 Joint	1,344,990
CW.005.1117	-Φ16mm Shafts, 34/45 Joint	662,920

(2) for DIN/ISO Socket Joint Sizes ; for Φ10~16 mm Shafts

		Ea. Price, ₩
CW.005.2067	Stirrer Seal, EUROPE-type, for-Φ10mm Shafts, 29/32 Joint	515,040
CW.005.2077	-Φ10mm Shafts, 34/35 Joint	515,040
CW.005.2097	-Φ14mm Shafts, 34/35 Joint	1,353,000
CW.005.2127	-Φ16mm Shafts, 45/40 Joint	602,690



(1) Hi-flex Metal for Φ6~16 Shafts | (2) Heavy-duty Metal for Φ10~16 Shafts

Flexible Coupling, for Safety Stirring of Φ6~16mm Shafts of Overhead Stirrers

For Stirrers between Stirring Motor and Shaft, 안전교반용 유연성 커플링, 교반축의 불균형등을 완전 보정

■ ***Made in Korea*** ■ ***Used to Compensate Any Vibrations Between The Motor and Stirring Shafts***

∗ Made of DURALUMIN ∗ Shaft Fastening by Screw Clamp Band

∗ with Exchangeable SS Chucking Rod Φ8 / 10 / 12mm, L40mm

(1) UTILITY High-Flex. Metal Coupling, with 2×Flex-band, for Φ6~16mm Stir-Shafts Ideal for Low/High Viscosity and High/Low Speed

〈L1〉

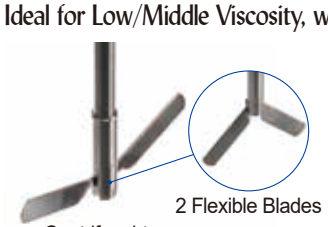
		Ea. Price, ₩
SL.StiC011	Stir-Coupling, Hi-flex, Φ8mm Chuck-rod , for-Φ6mm Stir-Shaft , 56g , Φ25×h44mm	62,500
SL.StiC012	-Φ8mm Stir-Shaft , 53g , Φ25×h44mm	62,500
SL.StiC013	-Φ10mm Stir-Shaft, 49g , Φ25×h44mm	62,500
SL.StiC014	, Φ10mm Chuck-rod, for-Φ8mm Stir-Shaft , 49g , Φ25×h44mm	62,500
SL.StiC015	-Φ10mm Stir-Shaft, 43g , Φ25×h44mm	62,500
SL.StiC016	-Φ12mm Stir-Shaft, 33g , Φ25×h44mm	62,500
SL.StiC017	, Φ12mm Chuck-rod, for-Φ10mm Stir-Shaft, 33g , Φ25×h44mm	62,500
SL.StiC018	-Φ12mm Stir-Shaft, 123g, Φ32×h60mm	75,000
SL.StiC019	-Φ14mm Stir-Shaft, 120g, Φ32×h60mm	75,000
SL.StiC020	-Φ16mm Stir-Shaft, 118g, Φ32×h60mm	75,000

(2) Heavy-duty Metal Coupling, with Short Flex-band, for Φ10~16mm Stir-Shafts Low-Flexible type, Ideal for High Viscosity and Middle/Low Speed

		Ea. Price, ₩
SL.StiC023	Stir-Coupling, Low-flex, Φ10mm Chuck rod, for-Φ10mm Stir-Shafts., 45g , Φ25×h30	31,500
SL.StiC024	-Φ12mm Stir-Shafts., , Φ25×h30	31,500
SL.StiC025	, Φ12mm Chuck rod, for-Φ12mm Stir-Shafts., 105g, Φ32×h38	42,000
SL.StiC026	-Φ14mm Stir-Shafts., , Φ32×h38	42,000
SL.StiC027	-Φ16mm Stir-Shafts., , Φ32×h38	42,000

Bochem® Stainless-steel Centrifugal-type Stirring Shaft, for Lab & Industrial Overhead Stirrers, Rod Φ8 & 10×L400~650mm

Ideal for Low/Middle Viscosity, with 2 Flexible Blades, Non-magnetic/Rust-free, <Germany-Made> 스텐레스 교반봉 / 임펠러



Centrifugal-type

■ ***Good Finished : Surface & Stirring Center*** ■ ***Recommended to use with Flexible Coupling for Gentle Stirring & Safety Working*** ∗ 18/10 SS ; Non-magnetic, Rust-free, Anti-Acid / Chemicals / Heat

〈L1〉

		Ea. Price, ₩
BC.9210	Stir-Shaft, SS, Rod-Φ8×L400mm , Swingrotor-Φ90×h10mm	53,840
BC.9211	, Rod-Φ8×L500mm , Swingrotor-Φ90×h10mm	56,270
BC.9213	, Rod-Φ10×L400mm, Swingrotor-Φ90×h10mm	59,680
BC.9214	, Rod-Φ10×L500mm, Swingrotor-Φ90×h10mm	63,970
BC.9215	, Rod-Φ10×L650mm, Swingrotor-Φ90×h10mm	93,680

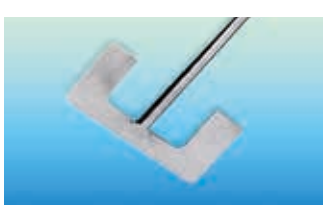
Articles	Cat. No	Description

SciLab® Stainless-steel Stirring Shaft, for Lab & Industrial Overhead Stirrers, Rod Φ8~12×L500~1000mm
Ideal for Universal-use of Wide-range Speed & Viscosity, <Korea-Made> 스텐레스 교반봉/임펠러


(1) 3-bladed Propeller-type
Universal-use


(2) 4-bladed Propeller-type
Standard-model


(3) 4-bladed Dissolver Diamond-type


(4) Heavy-duty Anchor-type

■ ***Made of Rustless Stainless-steel #304*** ■ ***Good Finished : Surface & Stirring Center*** ■ ***Recommended to use with Flexible Coupling for Gentle Stirring & Safety Working*** ■ ***The Rod may be Cut to Any Length with a Hacksaw***

(1) 3-bladed Propeller-type, ideal for Universal-use in Middle/High Speed with Rod Φ8~12×L500~1000, Rotor Φ50~140 mm, and Good for Low/Middle Viscosity

<L1>

∗ Designed for Efficient Flow : mixed from Top to Bottom of Vessel ∗ Minimum Shearing

		Ea. Price, ₩
SL.StiS721	Stir-Shaft, **"S721"**, #304, Rod-Φ8×L500 , Rotor-Φ50×h15 mm	16,370
SL.StiS722	, **"S722"**, -Φ8×L500 , -Φ60×h15 mm	16,370
SL.StiS723	, **"S723"**, -Φ8×L650 , -Φ80×h20 mm	17,540
SL.StiS724	, **"S724"**, -Φ8×L650 , -Φ100×h24 mm	17,540
SL.StiS726	, **"S726"**, -Φ10×L500 , -Φ60×h15 mm	17,540
SL.StiS727	, **"S727"**, -Φ10×L650 , -Φ80×h20 mm	18,700
SL.StiS728	, **"S728"**, -Φ10×L800 , -Φ100×h24 mm	20,340
SL.StiS729	, **"S729"**, -Φ12×L1000, -Φ140×h30 mm	25,720

(2) Standard 4-bladed Propeller-type, ideal for Low/Middle Speed & Viscosity Popular-model, with Rod Φ8~12×L500~1000, Rotor Φ50~140mm, 45°Angled

		Ea. Price, ₩
SL.StiS731	Stir-Shaft, **"S731"**, #304, Rod-Φ8×L500 , Rotor-Φ50×h20 mm	16,370
SL.StiS732	, **"S732"**, -Φ8×L500 , -Φ70×h25 mm	16,370
SL.StiS733	, **"S733"**, -Φ8×L650 , -Φ90×h35 mm	17,540
SL.StiS734	, **"S734"**, -Φ8×L650 , -Φ110×h35 mm	17,540
SL.StiS736	, **"S736"**, -Φ10×L650 , -Φ90×h35 mm	18,700
SL.StiS737	, **"S737"**, -Φ10×L800 , -Φ110×h40 mm	19,180
SL.StiS738	, **"S738"**, -Φ10×L1000, -Φ110×h40 mm	22,450
SL.StiS739	, **"S739"**, -Φ12×L1000, -Φ140×h40 mm	25,720

(3) 4-bladed Dissolver Diamond-type, Good for Particle Reduction in Middle/High Speed with Rod Φ8 & 10×L500~650, Rotor Φ70~110mm, and Good for Low/Middle Viscosity

		Ea. Price, ₩
SL.StiS741	Stir-Shaft, **"S741"**, #304, Rod-Φ8×L500 , Rotor-Φ70×h20 mm	16,370
SL.StiS742	, **"S742"**, -Φ8×L500 , -Φ90×h25 mm	16,370
SL.StiS743	, **"S743"**, -Φ8×L650 , -Φ110×h25 mm	17,540
SL.StiS744	, **"S744"**, -Φ10×L650, -Φ110×h25 mm	18,700

(4) Heavy-duty Anchor-type, ideal for Middle/High Viscosity, Rod Φ8~12mm Good for Low/Middle Speed, Rotor Φ70~180mm

		Ea. Price, ₩
SL.StiS751	Stir-Shaft, **"S751"**, #304, Rod-Φ8×L500 , Rotor-Φ70×h14 mm	14,120
SL.StiS752	, **"S752"**, -Φ8×L650 , -Φ90×h16 mm	15,350
SL.StiS753	, **"S753"**, -Φ10×L650 , -Φ90×h16 mm	16,340
SL.StiS754	, **"S754"**, -Φ10×L800 , -Φ140×h25 mm	18,570
SL.StiS755	, **"S755"**, -Φ10×L1000, -Φ160×h30 mm	22,280
SL.StiS757	, **"S757"**, -Φ12×L1000, -Φ180×h30 mm	27,230

Bochem® Stainless-steel Square-type Stirring Shaft, with 6×Φ12mm Hole, for Lab & Industrial Overhead Stirrers, Rod Φ8 & 10×L400 & 500mm
Ideal for Low/Middle Viscosity, Non-magnetic/Rust-free, <Germany-Made> 스텐레스 교반봉/임펠러


Square-type

■ ***Good Finished : Surface & Stirring Center***
■ ***Recommended to Use with a Flexible Coupling for Gentle Stirring & Safety Working***

<L1>

∗ 18/10 Stainless-steel; Non-magnetic, Rust-free, Anti-Acid / Chemicals / Heat

		Ea. Price, ₩
BC.9504	Stir-Shaft, SS, Rod-Φ8×L400mm , Rotor-Φ70×h65mm×t1.7mm, 6×Φ12mm Hole	69,340
BC.9505	, Rod-Φ8×L500mm , Rotor-Φ70×h65mm×t1.7mm, 6×Φ12mm Hole	70,000
BC.9507	, Rod-Φ10×L400mm, Rotor-Φ70×h65mm×t1.7mm, 6×Φ12mm Hole	73,750
BC.9508	, Rod-Φ10×L500mm, Rotor-Φ70×h65mm×t1.7mm, 6×Φ12mm Hole	78,640


Heavy-duty Helical Ribbon-type

Heavy-duty Helical Ribbon-type, Ideal for Middle/High Viscosity and Lab~Industry
With Rod Φ8~12mm, L500~1100, Rotor Φ60~190mm, Good for Reaction-system

■ ***Made in Korea*** ∗ Patented Helical Ribbon High Efficient Mixing Performance
∗ Generates Axial Flow. ∗ Designed for Middle / High Viscosity. High Flow Rate and Efficient Mixing.
∗ For Homogeneous Mixing and Medium is Conveyed from the Bottom upwards.

<L1>

		Ea. Price, ₩
SL.Sti761	Stir-Shaft, **"S761"** , #304, Rod-Φ8×L500 , Rotor-Φ60×h100 mm	54,000
SL.Sti762	, **"S762"** , -Φ8×L650 , -Φ80×h130 mm	68,000
SL.Sti762.1	, **"S762.1"**, -Φ10×L650 , -Φ100×h160 mm	68,000
SL.Sti763	, **"S763"** , -Φ10×L650 , -Φ115×h175 mm	68,000
SL.Sti764	, **"S764"** , -Φ10×L800 , -Φ125×h190 mm	68,000
SL.Sti765	, **"S765"** , -Φ12×L1000, -Φ160×h240 mm	108,000
SL.Sti766	, **"S766"** , -Φ12×L1100, -Φ190×h290 mm	108,000

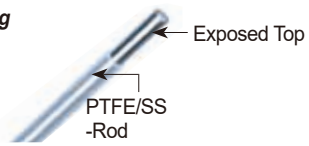
※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description

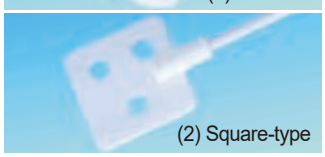
PTFE Stirring Shaft, with Stainless-steel Insert, for Lab & Industrial Overhead Stirrers, Rod Φ8 & 10×L300~650mm

With Centrifugal & Square-type, High Temperature Resistant and Corrosion-Proof, −200℃+260℃, Normal-grade, PTFE **교반봉/임펠러**

- ***Supplied by SciLab Korea***
- ***Recommended to Use with a Flexible Coupling for Gentle Stirring & Safety Working***
- ***The PTFE Rod with Stainless-steel Insert : ① OD Φ8mm with Φ6mm Steel Insert-"Φ8/6"***
  ② OD Φ10mm with Φ8mm Steel Insert-"Φ10/8"
- ***Ideal for PURE-Working / Chemically Inert / Non-Contaminating / Thermally Stable***
- ***Exposed Top Rod 4~5cm (Stainless-steel Core) : For Strong Clamping in the Stir-Chuck or Flexible Coupling.*** ⇒




(1) 2-bladed


(2) Square-type

〈L1〉

(1) 2-bladed Centrifugal-type

		Ea. Price, ₩
SL.Sti4091	PTFE Stirring Rod, Φ8/6×L300mm , Swing rotor-Φ63mm×h24mm	15,820
SL.Sti4092	, Φ8/6×L400mm , -Φ80mm×h25mm	20,370
SL.Sti4093	, Φ8/6×L500mm , -Φ100mm×h30mm	29,420
SL.Sti4094	, Φ8/6×L600mm , -Φ110mm×h34mm	36,180
SL.Sti4095	, Φ10/8×L650mm, -Φ110mm×h34mm	73,490

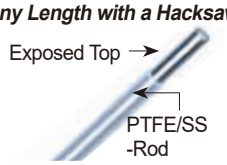
(2) Square-type, with Φ12mm Three Holes

		Ea. Price, ₩
SL.Sti4098	PTFE Stirring Rod, Φ10/8×L350mm, Rotor 70×70mm×t4mm, 3×Φ12mm Hole	67,830
SL.Sti4099	, Φ10/8×L450mm, Rotor 70×70mm×t4mm, 3×Φ12mm Hole	85,980

SciLab® Premium PTFE Stirring Shaft, with Stainless-steel Insert, for Overhead Stirrers, Rod Φ8~14×L500~1100mm

Ideal for PURE Working & Universal-use of Wide-range Speed & Viscosity, Chemically Inert, −200℃+280℃-stable, PTFE **교반봉/임펠러**

- ***Recommended to Use with a Flexible Coupling for Gentle Stirring & Safety Working.***
- ***Rod may be Cut to Any Length with a Hacksaw.***
- ***The PTFE Rod with Stainless-steel Insert :***
  ① OD Φ8mm with Φ6mm Steel Insert-"Φ8/6", ② OD Φ10mm with Φ8mm Steel Insert-"Φ10/8",
  ③ OD Φ12mm with Φ10mm Steel Insert-"Φ12/10" , and ④ OD Φ14mm with Φ12mm Steel Insert-"Φ14/12".
- ***Ideal for PURE-Working / Chemically Inert / Non-Contaminating /Thermally Stable, -200℃+280℃-stable.***
- ***Exposed Top Rod 4~5cm (Stainless-steel Core) : For Strong Clamping in the Stir-Chuck or Flexible Coupling.*** ⇒




(1) 2-bladed Centrifugal-type
Good for Narrow-Neck
<ex> 24/- & 34/-Joint neck

〈L1〉

(1) 2-bladed Centrifugal-type, ideal for 24/- & 34/-Joints(Narrow) Necks & Low Viscosity with Rod Φ8 & 10×L500~650, Rotor Φ50~100 mm, and Good for Middle/High Speed

		Ea. Price, ₩
SL.StiS403	Stir-Shaft, PTFE, Rod-Φ8/6×L500 , Swingrotor-Φ50×h14mm , fit to 24/-joints	48,000
SL.StiS404	-Φ8/6×L500 , -Φ70×h17mm , fit to 24/-joints	51,000
SL.StiS405	-Φ8/6×L650 , -Φ100×h24mm, fit to 34/-joints	54,000
SL.StiS406	-Φ10/8×L650, -Φ100×h24mm, fit to 34/-joints	57,000


(2) Standard 4-bladed
Propeller-type

(2) Standard 4-bladed Propeller-type, ideal for Low/Middle Speed and High Viscosity Good for Reactors, with Rod Φ8~14×L500~1100 and Rotor Φ50~140 mm, 45°Angled

∗ Standard Stirring Shafts. ∗ Designed for Efficient Mixing : from Top to Bottom of Vessel

		Ea. Price, ₩
SL.StiS410	Stir-Shaft, PTFE, Rod-Φ8/6×L500 , Rotor-Φ50×h20mm	100,000
SL.StiS411	-Φ8/6×L500 , -Φ70×h25mm	110,000
SL.StiS412	-Φ8/6×L650 , -Φ70×h25mm	140,000
SL.StiS413	-Φ10/8×L650 , -Φ90×h35mm , Good for 5~10Lit Vessels	142,000
SL.StiS414	-Φ10/8×L800 , -Φ90×h35mm , Good for 10~20Lit Vessels	160,000
SL.StiS415	-Φ10/8×L1000 , -Φ90×h35mm , Good for 20~50Lit Vessels	160,000
SL.StiS416.1	-Φ12/10×L800 , -Φ110×h40mm, Good for 10~20Lit Vessels	162,000
SL.StiS416.2	-Φ12/10×L1000, -Φ110×h40mm, Good for 30~50Lit Vessels	166,120
SL.StiS416.3	-Φ12/10×L1000, -Φ140×h40mm, Good for 30~80Lit Vessels	313,530
SL.StiS417	-Φ14/12×L1100, Exchangeable Rotor-Φ140×h40mm, Good for 50~100Lit Reactors	334,400


(3) with 2-Rotors, Propeller-type

(3) with 2-Exchangeable Rotors of 4-bladed Propeller-type, for 20~100Lit Reaction Vessels Ideal for High Viscosity & Large Volume Stirring, with Rod Φ12 & 14×L 800~1100 mm

∗ Translucent PFA Shaft with Stainless-steel Insert, Totally Chemical Inert

		Ea. Price, ₩
SL.StiS416.4	Stir-Shaft, PTFE, for 20~30Lit, Rod-Φ12/10×L800, 2-Rotors of (1) Exchangeable 1st Rotor Φ110×h40 and (2) Bottom Rotor Φ110×h40mm	366,740
SL.StiS418	Stir-Shaft, PTFE, for 30~80Lit, Rod-Φ12/10×L1000, 2-Rotors of (1) Exchangeable 1st Rotor Φ110×h40 and (2) Bottom Rotor Φ110×h40mm	387,920
SL.StiS419	Stir-Shaft, PTFE, for 50~100Lit, Rod-Φ14/12×L1100, 2-Rotors of (1) Exchangeable 1st Rotor Φ140×h40 and (2) Bottom Rotor Φ140×h40mm	547,100


(4) Heavy-duty Anchor-type

(4) Heavy-duty Anchor-type, ideal for Middle/High Viscosity, Rod Φ8~12mm Good for Low/Middle Speed, Rotor Φ80~140 mm, <UK-Made>

		Ea. Price, ₩
CW.005.340.82	Shaft, Φ8×L400mm Rod , Φ80mm Anchor	105,070
CW.005.350.82	, Φ8×L500mm Rod , Φ80mm Anchor	106,400
CW.005.355.2	, Φ10×L550mm Rod, Φ100mm Anchor	109,840
CW.005.0365.102	, Ex-type, Φ10×L650mm Rod , Φ140mm Anchor	139,230
CW.005.0375.102	, Φ10×L750mm Rod , Φ140mm Anchor	140,790
CW.005.0375.122	, Φ12×L750mm Rod , Φ140mm Anchor	193,920
CW.005.03100.122	, Φ12×L1000mm Rod, Φ140mm Anchor	212,030

Articles	Cat. No	Description


(1) Glass-shaft


(2) PTFE-shaft

GLASS and PTFE/Steel Cored Shaft and PTFE Blade, Exchangeable
Ideal for 24/- & 34/-Joint (Narrow) Necks, 교체형 글라스 & PTFE 교반봉과 임펠러

∗ Glass Shafts : DURAN Borosilicate Glass 3.3 Rod Φ8 & 10mm : Made in Korea
∗ PTFE Encapsulated Stainless-steel Shafts Φ8 & 12mm, -200℃+280℃ Stable : Made in U.K.

〈L1〉

(1) GLASS-Shaft, Φ8/10, L400~600mm

		Ea. Price,₩
SL.StiS260	Glass-Shaft, Φ8, L400mm	25,500
SL.StiS261	, L500mm	25,670
SL.StiS262	, L600mm	25,830

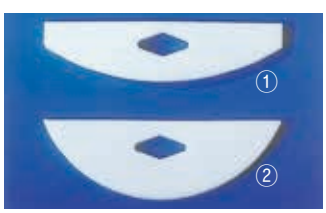
		Ea. Price,₩
SL.StiS265	Glass-Shaft, Φ10, L400mm	26,240
SL.StiS266	, L500mm	26,240
SL.StiS267	, L600mm	26,750

(2) Cowie® PTFE/Steel Cored Shaft, Φ8 & 12mm, L400~750mm, without Blade, <UK-Made>

∗ The Rod may by Cut to Any Length with a Hacksaw

		Ea. Price,₩
CW.005.540.81	Shaft, PTFE, Φ8×L400mm	74,270
CW.005.550.81	, Φ8×L500mm	75,680
CW.005.555.1	, Φ10×L550mm	73,920

		Ea. Price,₩
CW.005.565.1	Shaft, PTFE, Φ10×L650mm	75,350
CW.005.0575.101	, Φ10×L750mm	96,300
CW.005.0575.121	, Φ12×L750mm	155,470



(3) PTFE Blade,
with Φ6.5 Connect-hole

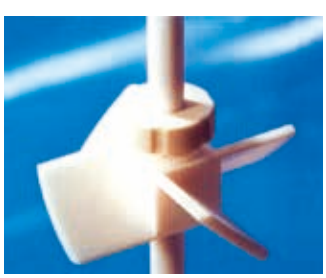
(3) Cowie® PTFE Stir-Blade, Thick-3.2mm, Ideal for 24/- & 34/-Joint Necks, <UK-Made>

① with Square End, Fit to 24/-Joints

		Ea. Price,₩
CW.002.052.1	Blade, Squ. 52×h14mm	4,740
CW.002.076.1	. 76×h19mm	6,180
CW.002.090.1	. 90×h28mm	8,450

② with Plain End, Fit to 34/-Joints

		Ea. Price,₩
CW.002.1065.1	Blade, Pla. 65×h25mm	6,500
CW.002.1075.1	. 75×h25mm	6,970
CW.002.1105.1	. 105×h25mm	7,850
CW.002.1125.1	. 125×h25mm	8,180
CW.002.1150.1	. 150×h25mm	9,050


(1) "Screw Propeller" only
Φ50 ~ Φ140mm

All PTFE Adjustable Exchangeable Rotor, Screw Propeller- & Turbine-type, Shaft-Option
For Shaft Φ8~16mm, −200℃+280℃, PTFE 교체형/조절식 교반 임펠러

■ ***The Exchangeable Rotors fit to Φ8~16mm Rods and Lock in place with Screw Nut***

(1) SciLab® Exchangeable "Screw Propeller" Rotor, Only 45°Angled 4 Blade

〈L1〉

∗ Made in Korea

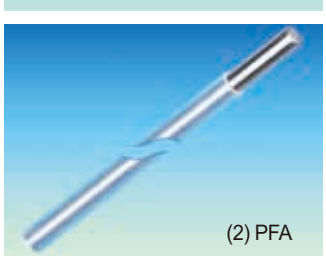
		Ea. Price, ₩
SL.StiS461	Rotor, PTFE, for Shaft-Φ8, Rotor-Φ50×h20mm	68,000
SL.StiS462	-Φ70×h25mm	84,000
SL.StiS463	, for Shaft-Φ10, Rotor-Φ70×h25mm	84,000
SL.StiS464	-Φ90×h35mm	110,000
SL.StiS465	, for Shaft-Φ12, Rotor-Φ110×h40mm	120,000
SL.StiS466	, for Shaft-Φ14, Rotor-Φ140×h40mm	156,000


(2) "Turbine" Rotor Only
Φ50 ~ Φ150mm

(2) Cowie® Exchangeable "Turbine" Rotor only, Φ50~150mm, <UK-Made>

		Ea. Price, ₩
CW.005.90850	Rotor, PTFE, for Shaft-Φ8mm, Rotor-Φ50mm	108,290
CW.005.90875	-Φ75mm	137,420
CW.005.91075	, for Shaft-Φ10mm, Rotor-Φ75mm	141,790
CW.005.910100	-Φ100mm	182,250
CW.005.912100	, for Shaft-Φ12mm, Rotor-Φ100mm	192,080
CW.005.916150	, for Shaft-Φ16mm, Rotor-Φ150mm	319,800


(1) Glass


(2) PFA

Glass & PFA (Stainless-steel Insert) PLAIN Shaft, For Exchangeable Rotor

(1) DURAN® Glass Shaft, Round Ends, Boro-glass 3.3, Φ8 & 10, L400~650mm

〈L1〉

∗ Good for Eco-Pure Work

		Ea. Price,₩
SL.StiS206	Glass Shaft, Φ8×L400mm	4,180
SL.StiS207	, Φ8×L500mm	4,300

		Ea. Price,₩
SL.StiS208	Glass Shaft, Φ10×L450mm	5,920
SL.StiS209	, Φ10×L550mm	5,920
SL.StiS210	, Φ10×L650mm	6,450

(2) PFA with Stainless-steel Insert Shaft, Φ8~14×L500~1100mm

∗ The Rod may by Cut to Any Length with a Hacksaw
∗ Translucent PFA, Totally Chemical Inert, -200℃+260℃

		Ea. Price,₩
SL.StiS451	Shaft, PFA, Φ8/6×L500mm	65,080
SL.StiS452	, Φ8/6×L650mm	70,750
SL.StiS453	, Φ8/6×L800mm	75,250
SL.StiS454	, Φ10/8×L650mm	74,750

		Ea. Price,₩
SL.StiS455	Shaft, PFA, Φ10/8×L800mm	80,750
SL.StiS456	, Φ12/10×L800mm	118,500
SL.StiS457	, Φ12/10×L1000mm	126,000
SL.StiS458	, Φ14/12×L1100mm	155,080

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



(1) (2) (3) (4)

Kartell® PP & PVC Plastic Stirring Shaft, PP-Blade, PVC-Rod with Steel Core, Rod Φ8×L350mm

Good for Acid & Chemicals resistance, <Italy-Made> PP & PVC 플라스틱 교반봉/임펠러

■ ***Ideal for Acids, Chemicals and Anti-corrosion***
■ ***Material : PP-Blade, PVC-Rod with Steel Core : Φ8×L350mm***
∗ Polypropylene(PP) : -10℃+125/140℃ ∗ Polyvinylchloride(PVC) : -20℃+80℃

〈L1〉

		Ea.	Price, ₩
KA.428	(1) Stirring Paddle, with 2 fixed blade (w39×h15mm), Rod Φ8×L350mm		32,920
KA.430	(2) , "U" shaped blade (w65×h78mm), Rod Φ8×L350mm		32,920
KA.431	(3) , with 2 flexible paddle (Swing w57mm), Rod Φ8×L350mm		37,550
KA.432	(4) , with 2 flexible paddle (Swing w98mm), Rod Φ8×L350mm		37,550



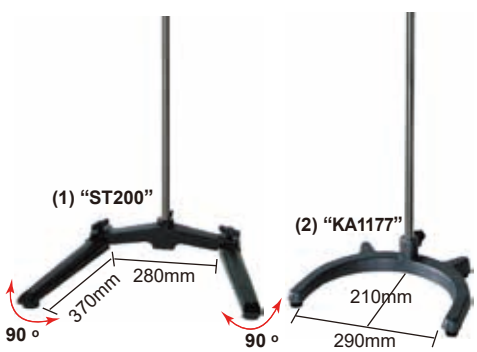
DAIHAN® Plate Stand, High Quality, with Stainless-steel Rod Φ16/23mm

Ideal for the Stand of Homogenizer & Overhead Stirrers 대리석 뷰렛 스탠드

■ ***High-Quality Plate-type Stand with Support Rod and Silicone Rubber Pad adhered***
■ ***with 1.5P Screwed Support Rod made of Stainless-steel specially designed***

〈L1〉

		Ea.	Price, ₩
DH.WOS501510	(1) Standard Steel Plate Stand **"ST110"**, Powder Coated, with Base Plate/Silicone Pad for Stirrer and Homogenizer(w20×35cm), and 1.5P Screw Rod **"RD 511"**, Φ16×h800mm		95,000
DH.WOS501515	(2) Wide Steel Plate Stand **"ST120"**, Powder Coated, with Base Plate/Silicone Pad for Stirrer and Homogenizer(w30×40cm), and 1.5P Screw Rod **"RD 522"**, Φ23×h1000mm		111,300





(3) "CL200"

DAIHAN® Heavy Duty Safety Stand, High Safety, with Stainless-steel Rod Φ23mm

Ideal for the Stand of Overhead Stirrers

■ ***Never Fall Down by Safety Mechanism.***
■ ***High-Safety H-/U-type Stand with Stainless-steel Support Rod***

〈L1〉

(1) Adjustable Foot Distance Deluxe Safety Stand

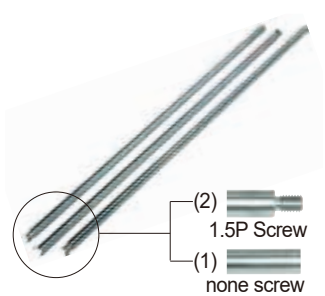
		Ea.	Price, ₩
DH.WOS501520	Deluxe Safety Stand **"ST200"**, H-type Base w39~75cm adjust, RodΦ23×h1200mm		153,800

(2) U-type Safety Stand

		Ea.	Price, ₩
DH.WOS1177	Safety Stand **"KA1177"**, U-type Base w34/29×27/21cm, RodΦ23×h800mm		73,800

(3) Universal Jumbo Clamp Holder, for Stand Rod

		Ea.	Price, ₩
SL.Cla8011	Clamp Holder **"CL200"**, Cast Aluminum, Grip Capacity, Φ23mm for Stand Rod		16,250



Stainless-steel Rod
With or Without 1.5P Screw

DAIHAN® Φ16 & 23mm High-Quality Stainless-steel (#304) Rod, for Stand Bases

〈L1〉

(1) Plain-type Φ16mm Rod, without Screw

		Ea.	Price, ₩
DH.WOS502001	Stainless-steel Rod, **"RD501"**, Φ16×h800mm , non-screw		23,800
DH.WOS502002	, **"RD502"**, Φ16×h1000mm, non-screw		26,300
DH.WOS502003	, **"RD503"**, Φ16×h1200mm, non-screw		28,800
DH.WOS502031	, **"RD531"**, Φ23×h800mm , non-screw		31,300
DH.WOS502033	, **"RD533"**, Φ23×h1200mm, non-screw		33,800

(2) 1.5P Screw-type Φ16 & 23mm Rod

		Ea.	Price, ₩
DH.WOS502011	Stainless-steel Rod, **"RD511"**, Φ16×h800mm , 1.5P Screw		26,300
DH.WOS502012	, **"RD512"**, Φ16×h1000mm, 1.5P Screw		25,000
DH.WOS502013	, **"RD513"**, Φ16×h1200mm, 1.5P Screw		28,800
DH.WOS502021	, **"RD521"**, Φ23×h800mm , 1.5P Screw		30,000
DH.WOS502022	, **"RD522"**, Φ23×h1000mm, 1.5P Screw		30,000
DH.WOS502023	, **"RD523"**, Φ23×h1200mm, 1.5P Screw		32,500

Articles	Cat. No	Description

PTFE Micro Magnetic Stirrer Bar, for Lab & Industry, L5~12mm, PTFE 마이크로 마그네틱바



■ ***Supplied by SciLab Korea*** ∗ for Universal Application ∗ Excellent for Chemical and Corrosion Resistance
∗ -200℃+260℃ 〈L1〉

		Ea. Price,₩			Ea. Price,₩
SL.Sti4012	Plain, Micro, Φ1.5×L9mm	680	**SL.Sti4015**	Plain, Micro, Φ3×L12mm	680
SL.Sti4013	, Φ3×L5mm	600	**SL.Sti4016**	, Φ4×L10mm	680
SL.Sti4014	, Φ3×L10mm	650			

PTFE Plain-type Stirrer Bar, for Lab & Industry, L15~100mm, PTFE 플레인형 마그네틱바



■ ***Supplied by SciLab Korea*** ∗ Excellent for Chemical and Corrosion Resistance ∗ Round Smooth Surface
∗ -200℃+260℃ 〈L1〉

		Ea. Price,₩			Ea. Price,₩
SL.Sti4017	Plain, Φ5×L15mm	800	**SL.Sti4024**	Plain, Φ10×L50mm	3,880
SL.Sti4018	, Φ6×L20mm	1,000	**SL.Sti4025**	, Φ10×L60mm	4,400
SL.Sti4019	, Φ7×L20mm	1,240	**SL.Sti4026**	, Φ10×L70mm	4,870
SL.Sti4020	, Φ7×L30mm	1,710	**SL.Sti4027**	, Φ10×L80mm	5,550
SL.Sti4021	, Φ8×L30mm	1,940	**SL.Sti4028**	, Φ13×L82mm	9,730
SL.Sti4022	, Φ8×L40mm	2,070	**SL.Sti4029**	, Φ16×L100mm	17,040
SL.Sti4023	, Φ8×L50mm	2,460			

PTFE Plain-type Stirrer Bar-Set, for Lab & Industry, L15~80 mm, 16pcs/set
Excellent for Chemical and Corrosion Resistance, For Universal Application, PTFE 플레인형 마그네틱바 세트



■ ***Supplied by SciLab Korea***
■ ***Useful Assortment of the Most Popular Size of PTFE Magnetic Stirrer Bars***
■ ***Component :*** *(Φ5×L15mm) · (Φ7×L20mm) · (Φ7×L30mm) · (Φ8×L30mm) · (Φ8×L40mm) · (Φ8×L50mm) · (Φ10×L60mm) · (Φ10×L80mm)×2pcs*

∗ Ideal for Storage of Small Parts and Accessory. ∗ Sectional Utility Box, with Assembly Partition
∗ Including Hanging Loop & Hinged Locking Lid

SL.Sti4102 Set of 16 PTFE Plain-type Stirrer Bars



〈L1〉

Set.	Price, ₩
16pcs	39,790

PTFE Pivot Ring-type Magnetic Stirrer Bar, Efficient Spinning even on Curved or Uneven Bases, L30~60mm
Excellent for Chemical and Corrosion Resistance, for Lab & Industry, PTFE Pivot Ring-type 마그네틱바



■ ***Supplied by SciLab Korea*** ∗ -200℃+260℃ 〈L1〉

		Ea. Price,₩			Ea. Price,₩
SL.Sti4041	Pivot Ring, Φ6×L30mm	1,480	**SL.Sti4044**	Pivot Ring, Φ9×L50mm	3,180
SL.Sti4042	, Φ7×L30mm	1,710	**SL.Sti4045**	, Φ10×L60mm	3,960
SL.Sti4043	, Φ8×L45mm	2,180	**SL.Sti4046**	, Φ12×L55mm	5,860

PTFE Octagonal-type Magnetic Stirrer Bar, for Lab & Industry, L15~75mm, PTFE 팔각/옥타고날형 마그네틱바



■ ***Supplied by SciLab Korea*** ∗ Excellent for Chemical and Corrosion Resistance ∗ -200℃+260℃
∗ Create more Turbulence and Strong 〈L1〉

		Ea. Price,₩			Ea. Price,₩
SL.Sti4031	Octagonal, Φ8×L15mm	1,120	**SL.Sti4035**	Octagonal, Φ8×L38mm	2,690
SL.Sti4032	, Φ8×L20mm	1,630	**SL.Sti4036**	, Φ8×L40mm	2,930
SL.Sti4033	, Φ8×L25mm	2,070	**SL.Sti4037**	, Φ8×L50mm	3,050
SL.Sti4034	, Φ8×L30mm	2,460	**SL.Sti4038**	, Φ8×L75mm	6,330

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description

PTFE Plain- & Octagonal-type Mixed Stirrer Bar-Set, for Lab & Industry, L15~75mm, 18pcs/set
Excellent for Chemical and Corrosion Resistance, For Universal Application, −200℃+260℃, PTFE 플레인형+옥타고날형 마그네틱바 세트



■ ***Supplied by SciLab Korea***
■ ***Useful Assortment of the Most Popular Size of PTFE Magnetic Stirrer Bars***
■ ***Component*** : ***Plain*** - *(Φ5×L15mm) · (Φ7×L20mm) · (Φ7×L30mm) · (Φ8×L50mm)×2pcs, (Φ10×L60mm)×1pcs*
Octagonal - *(Φ8×L15mm) · (Φ8×L25mm) · (Φ8×L30mm) · (Φ8×L40mm)×2pcs, (Φ8×L75mm)×1pcs*
∗ Sectional Utility Box, with Assembly Partition
∗ Including Hanging Loop & Hinged Locking Lid



〈L1〉

		Set.	Price, ₩
SL.Sti4106	Set of 18 PTFE Plain- & Octagonal-type Mixed Stirrer Bars	18pcs	39,740
B3.802	**Spare Box,** Divider & Hinged Locking Lid, 10-divid. type : 200×130×h35mm	1ea	2,320

PTFE Octagonal-type Stirrer Bar-Set, for Lab & Industry, L15~75mm, 16pcs/set
Excellent for Chemical and Corrosion Resistance, For Universal Application, PTFE 팔각/옥타고날형 마그네틱바 세트



■ ***Supplied by SciLab Korea***
■ ***Useful Assortment of the Most Popular Size of PTFE Magnetic Stirrer Bars***
■ ***Component :*** *(Φ8×L15mm) · (Φ8×L20mm) · (Φ8×L25mm) · (Φ8×L30mm) · (Φ8×L38mm) · (Φ8×L40mm) · (Φ10×L50mm) · (Φ10×L75mm)×2pcs*
∗ Sectional Utility Box, with Assembly Partition ∗ Including Hanging Loop & Hinged Locking Lid
∗ −200℃+260℃



〈L1〉

		Set.	Price, ₩
SL.Sti4101	Set of 16 PTFE Octagonal-type Stirrer Bars	16pcs	43,550

PTFE Tapered-type Magnetic Stirrer Bar, for Lab & Industry, L10~40mm, PTFE 테파/경사형 마그네틱바



■ ***Supplied by SciLab Korea*** ∗ Excellent for Chemical and Corrosion Resistance
∗ Effective Stirrer with Similar Action to Oval/Pivot Ring types ∗ -200℃+260℃

〈L1〉

		Ea. Price,₩			Ea. Price,₩
SL.Sti4049	Tapered, Φ4×L10mm	1,000	**SL.Sti4052**	Tapered, Φ8×L30mm	2,530
SL.Sti4050	, Φ5×L15mm	1,280	**SL.Sti4053**	, Φ8×L40mm	2,690
SL.Sti4051	, Φ7×L20mm	1,710			

PTFE Oval-/Egg-type Magnetic Stirrer Bar, for Round Bottom Flask, L10~70mm, PTFE 타원/달걀형 마그네틱바



■ ***Supplied by SciLab Korea*** ∗ Excellent for Chemical and Corrosion Resistance
∗ -200℃+260℃

〈L1〉

		Ea. Price,₩			Ea. Price,₩
SL.Sti4058	Oval, Φ5×L10mm	650	**SL.Sti4065**	for Production, Φ20×L40mm	6,330
SL.Sti4059	, Φ7×L15mm	800	**SL.Sti4066**	, Φ20×L50mm	8,270
SL.Sti4060	, Φ9×L20mm	1,120	**SL.Sti4067**	, Φ20×L63mm	9,730
SL.Sti4061	, Φ10×L25mm	1,480	**SL.Sti4068**	, Φ25×L70mm	12,180
SL.Sti4062	, Φ12×L25mm	1,750			
SL.Sti4063	, Φ15×L35mm	2,460			
SL.Sti4064	, Φ16×L48mm	3,180			

PTFE Oval- & Octagonal-type Mixed Stirrer Bar-Set, for Lab & Industry, L10~75mm, 18pcs/set
Excellent for Chemical and Corrosion Resistance, −200℃+260℃, PTFE 타원/달걀형+옥타고날형 마그네틱바 세트



■ ***Supplied by SciLab Korea***
■ ***Useful Assortment of the Most Popular Size of PTFE Magnetic Stirrer Bars***
■ ***Component : Oval*** - *(Φ5×L10mm) · (Φ7×L15mm) · (Φ15×L35mm) · (Φ16×L48mm)×2pcs, (Φ25×L70mm)×1pcs*
Octagonal - *(Φ8×L15mm) · (Φ8×L20mm) · (Φ8×L30mm) · (Φ8×L50mm)×2pcs, (Φ8×L75mm)×1pcs*
∗ For Universal Application ∗ Ideal for Storage of Small Parts and Accessory.
∗ Sectional Utility Box, with Assembly Partition ∗ Including Hanging Loop & Hinged Locking Lid



〈L1〉

		Set.	Price, ₩
SL.Sti4107	Set of 18 PTFE Oval- & Octagonal-type Mixed Stirrer Bars	18pcs	47,620
B3.802	**Spare Box,** Divider & Hinged Locking Lid, 10-divid. type : 200×130×h35mm	1ea	2,320

Articles	Cat. No	Description





PTFE Oval-type Stirrer Bar-Set, for Lab & Industry, L10~70 mm, 12pcs/set
Excellent for Chemical and Corrosion Resistance, PTFE Oval-type 마그네틱바 세트

■ ***Supplied by SciLab Korea***
■ ***Useful Assortment of the Most Popular Size of PTFE Magnetic Stirrer Bars***
■ ***Component :*** *(Φ20×L50mm) · (Φ25×L70mm)×1pcs, (Φ5×L10mm) · (Φ7×L15mm) · (Φ10×L25mm) · (Φ15×L35mm) · (Φ16×L48mm)×2pcs*

∗ For Universal Application
∗ Ideal for Storage of Small Parts and Accessory.
∗ Sectional Utility Box, with Assembly Partition
∗ Including Hanging Loop & Hinged Locking Lid



SL.Sti4103 **Set** of 12 PTFE Oval-type Stirrer Bars

〈L1〉

Set.	Price, ₩
12pcs	37,380

PTFE Cross-type Magnetic Stirrer Bar, for Lab & Industry, L20~50mm, PTFE Cross-type 마그네틱바



■ ***Supplied by SciLab Korea*** ∗ Excellent for Chemical and Corrosion Resistance
∗ Very Stable General Purpose Stirring ∗ Increased turbulence at low speed
∗ -200℃+260℃

〈L1〉

		Ea. Price,₩
SL.Sti4079	Cross, Φ8×L20mm	2,780
SL.Sti4080	, Φ9×L25mm	3,330
SL.Sti4081	, Φ10×L30mm	4,410
SL.Sti4082	Cross, Φ10×L40mm	4,600
SL.Sti4083	, Φ15×L50mm	8,220

PTFE Elliptical-type Magnetic Stirrer Bar, for Round Bottom Flasks, −200℃+260℃, L20~41mm
Excellent for Chemical and Corrosion Resistance, for Lab & Industry, PTFE Elliptical-type 마그네틱바



■ ***Supplied by SciLab Korea***
∗ Ideal for Round Bottom Flasks ∗ Rounded pivot point to reduce friction

〈L1〉

		Ea.	Price, ₩
SL.Sti4071	Stirrer Bar, Elliptical, Φ10×L20mm		1,480
SL.Sti4072	, Φ12×L26mm		1,710
SL.Sti4073	, Φ14×L34mm		2,460
SL.Sti4074	, Φ14×L41mm		2,930
SL.Sti4075	, Φ16×L40mm		3,410



Square-type

Cowie® PTFE Square-type Stirrer Bar, L12~51mm
For Low Speed, −200℃+280℃, <UK-Made> PTFE 4각 마그네틱바

∗ High Performance Stirring Bars at Disposable Prices!

〈L1〉

		Ea.	Price, ₩
CW.001.1412	Stirrer bar, Square, L12×h4mm		1,000
CW.001.1425	, L25×h5.5mm		1,780
CW.001.1435	, L35×h6mm		2,200
CW.001.1450	, L51×h7.5mm		3,010



Triangular-type

Cowie® PTFE Triangular-type Stirrer Bar, for Lab & Industry, L12~136mm
Suitable for Mixing High Viscosity, −200℃+280℃, <UK-Made> PTFE 삼각형 마그네틱바

∗ Ideal for Dissolving Solids and Mixing Sediments Because of the Scraper-Like Action

〈L1〉

		Ea. Price,₩
CW.001.412	Triangular, Φ6×L12mm	2,630
CW.001.420	, Φ8×L20mm	3,190
CW.001.425	, Φ8×L25mm	2,870
CW.001.435	, Φ9×L35mm	4,450
CW.001.440	, Φ14×L40mm	5,370
CW.001.455	, Φ14×L55mm	7,280
CW.001.480	for Production, Φ14×L80mm	9,700
CW.001.4110	, Φ36×L110mm	61,460
CW.001.4136	, Φ36×L136mm	76,360

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



Cowie® PTFE Hub-type Stirrer Bar, Φ27~37mm, L45~70mm
For Low Speed, −200℃+280℃, <UK-Made> PTFE 허브/수레바퀴형 마그네틱바

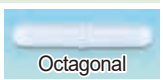
∗ Very stable Stirrer, Especially at Low Speeds.

〈L1〉

		Ea. Price, ₩
CW.001.2301	Stirrer bar, Hub, L45×Center Circle Φ27mm	12,010
CW.001.2302	, L62×Center Circle Φ37mm	20,670
CW.001.2303	, L70×Center Circle Φ37mm	24,080

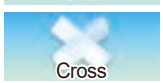



Plain


Octagonal


Oval


Elliptical


Cross

PTFE Combination Mixed Stirrer Bar-Set, for Lab & Industry, L2~60mm, 28pcs/set
Excellent for Chemical and Corrosion Resistance, −200℃+260℃, PTFE 마그네틱바 종합세트



■ ***Supplied by SciLab Korea***
■ ***Useful Assortment of the Most Popular Size of PTFE Magnetic Stirrer Bars***
■ ***Component : Plain(7pcs)*** - (Φ6×L2㎜) · (Φ7×L20㎜) · (Φ7×L30㎜) · (Φ8×L30㎜) · (Φ8×L40㎜) · (Φ8×L50㎜) · (Φ10×L60㎜)
Octagonal(7pcs) - (Φ8×L15㎜) · (Φ8×L20㎜) · (Φ8×L25㎜) · (Φ8×L30㎜) · (Φ8×L38㎜) · (Φ8×L40㎜) · (Φ8×L50㎜)
Oval(6pcs) - (Φ5×L10㎜) · (Φ7×L15㎜) · (Φ10×L25㎜) · (Φ15×L35㎜) · (Φ20×L40㎜) · (Φ20×L50㎜)
Elliptical(4pcs) - (Φ10×L20㎜) · (Φ12×L26㎜) · (Φ14×L34㎜) · (Φ16×L40㎜)
Cross(4pcs) - (Φ8×L20㎜) · (Φ9×L25㎜) · (Φ10×L40㎜) · (Φ15×L50㎜)

∗ For Universal Application
∗ Sectional Utility Box, with Assembly Partition
∗ Ideal for Storage of Small Parts and Accessory.
∗ Including Hanging Loop & Hinged Locking Lid

〈L1〉

		Set.	Price, ₩
SL.Sti4104	**Set** of 28 PTFE Combination Stirrer Bars	28pcs	74,620


Glass Cover-type

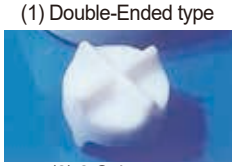
Cowie® Glass Covered Magnetic Stirrer Bar, L6~60mm
Excellent for Chemical and Heat resistance, 400℃, <UK-Made> 글라스 마그네틱바

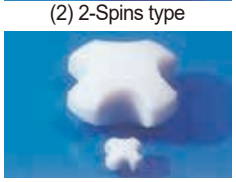
■ ***400℃까지의 고온용과 강한 내약품성(불산제외)***

〈L1〉

		Ea. Price,₩
CW.001.1206	Glass-covered, Φ5×L6mm	8,260
CW.001.1212	, Φ5×L12mm	8,570
CW.001.1225	, Φ6×L25mm	9,080
CW.001.1245	Glass-covered, Φ8×L45mm	9,930
CW.001.1260	, Φ8×L60mm	10,710


(1) Double-Ended type


(2) 2-Spins type


(3) Disc-type


(4) Spherical -type


(5) Tube-type, Cell

Cowie® PTFE Functional Magnetic Stirrer Bar, −200℃+280℃, <UK-Made> PTFE 각종기능성 마그네틱 바

(1) PTFE Double-ended type

∗ Ideal for Double Paddle Action for Efficient Stirring Plus High Stability

〈L1〉

		Ea. Price,₩
CW.001.1335	Double-ended, Φ8×L35mm, Natural	13,450
CW.001.1335R	, Φ8×L35mm, Red	16,340
CW.001.1335Y	, Φ8×L35mm, Yellow	16,340
CW.001.1355	, Φ8×L55mm, Natural	16,130
CW.001.1355R	, Φ8×L55mm, Red	19,620
CW.001.1355Y	, Φ8×L55mm, Yellow	19,620

(2) PTFE 2-Spins Bar

∗ Designed for Use with Tube-like Container yet Very Effective as General Stirrers.

		Ea. Price,₩
CW.001.1110	Double spin, Φ10×h8mm	2,700
CW.001.1114	, Φ14×h10mm	2,950
CW.001.1122	, Φ22×h15mm	4,890
CW.001.1130	, Φ30×h12mm	5,740
CW.001.1140	, Φ40×h14mm	11,290
CW.001.1160	, Φ60×h15mm	19,170

(3) PTFE Disc-type

∗ Use in Tubes or Small Container

		Ea. Price,₩
CW.001.709	Disc, Φ9×h6mm	2,950
CW.001.710	, Φ10×h6mm	3,080
CW.001.720	, Φ20×h10mm	4,200
CW.001.730	, Φ30×h12mm	5,290

(4) PTFE Spherical-type

∗ Ideal for Test Tube and Conical Bottom

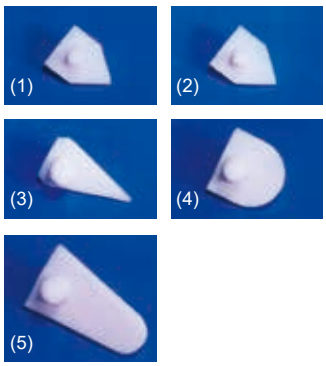
		Ea. Price,₩
CW.001.1512	Spherical, Φ12mm	4,200

(5) PTFE Tube-type for Spectro-cell

∗ Designed for Use with 10mm Standard Cuvettes

		Ea. Price,₩
CW.001.1609	Tube, Φ9×h6mm	2,780

Articles	Cat. No	Description



Cowie® PTFE Wing-type Stirrer Bars, for Test-tubes & V-vials

Excellent for Chemical and Corrosion resistance, −200℃~+280℃, PTFE 날개형 마그네틱바

■ ***Made in U.K.***

For V-vials & Test Tubes, for tube Φ6~12mm

Cat. No			<L1> Ea. Price, ₩
CW.001.2201.1	(1) Stirrer bar, Φ5.5×h9mm , Tube id Φ6-7mm		5,030
CW.001.2201	(2) , Φ8×h11mm , Tube id Φ9-10mm		5,290
CW.001.2202	(3) , Φ10×h16mm, Tube id Φ11-12mm		6,560

For Test tubes & Centrifuge Tubes, for tube Φ14~15mm

Cat. No		Ea. Price, ₩
CW.001.2203	(4) Stirrer bar, Rounded, Tube id Φ14-15mm	5,610
CW.001.2204	(5) , Tapered , Tube id Φ14-15mm	7,000



PTFE Magnetic Retriever, −200℃+280℃, Φ9 & 10×L250~450mm

PTFE 마그네틱 리트리버/홀더

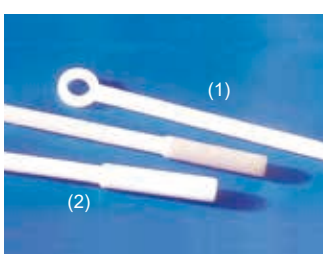
■ ***Supplied by SciLab Korea***

■ ***실험 용기로부터 마그네틱 바를 꺼내는 집게 역할의 홀더임.***

∗ Can be used to Remove the Stirrer Bar from the Vessel



Cat. No		<L1> Ea. Price, ₩
SL.Sti4087	Retriever, PTFE, Φ9×L250mm	6,320
SL.Sti4088	, Φ9×L300mm	7,470
SL.Sti4089	, Φ9×L340mm	8,630
SL.Sti4090	, Φ10×L450mm	22,400



(1), (2) PTFE & PP Retriever



(3) SmCo Retriever

Cowie® Premium Magnetic Retriever, PP & PTFE, L150~450mm, <UK-Made> 마그네틱 리트리버

(1) PP Magnetic Retrievers with Hanging Ring, −10℃+120/140℃

∗ Made of polypropylene(PP) ∗ Hanging Ring



Cat. No		<L1> Ea. Price, ₩
CW.004.1300	Retriever, PP, Φ10×L300mm	12,700
CW.004.1350	, Φ10×L350mm	13,070
CW.004.1450	, Φ10×L450mm	13,860

(2) PTFE Magnetic Retrievers, −200℃+280℃

∗ Straight shaft

Cat. No		Ea. Price, ₩
CW.004.150	Retriever, PTFE, Φ10×L150mm	21,010
CW.004.250	, Φ10×L250mm	25,790
CW.004.350	, Φ10×L350mm	29,260
CW.004.450	, Φ10×L450mm	33,800

(3) PTFE SmCo Extra Power Magnetic Retrievers, −200℃+280℃

∗ Ideal for Giant Stirrer Bars.

Cat. No		Ea. Price, ₩
CW.004.250.RE	Magnetic Retriever, Φ10×L250mm	28,080
CW.004.350.RE	, Φ10×L350mm	30,970
CW.004.450.RE	, Φ10×L450mm	33,970

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



(1) Straignt-type



(2) 90°Angle-type

DURAN® Universal Stopcock, GU® Borosilicate Glass 3.3
GU® with PTFE Needle-valve, −40℃+200℃, 다용도 Teflon 니들밸브/콕

〈L6〉

(1) Straight-type
* Supplied by DURAN® in Germany

		Ea. Price,₩	Pk.	Price, ₩
SM.28605800	Stopcock, GU valve, 0~2.5mm pass, Arm od 9mm	43,250	10ea	432,390
SM.28605810	, 0~4.0mm pass, Arm od 10mm	43,250	10ea	432,390
SM.28605820	, 0~6.0mm pass, Arm od 10mm	46,490	10ea	464,800

(2) 90° Angle-type
* Supplied by DURAN® in Germany

		Ea. Price,₩	Pk.	Price, ₩
SM.28605850	Stopcock, GU valve, 0~2.5mm pass, Arm od 9mm	39,700	10ea	396,900
SM.28605860	, 0~4.0mm pass, Arm od 10mm	39,700	10ea	396,900
SM.28605870	, 0~6.0mm pass, Arm od 10mm	43,250	10ea	432,390



(1) 10^{-6} mbar



(2) 10^{-9} Torr

High-Vacuum Stopcock, PTFE Needle valve, Straight-type
Made of Borosilicate Glass α 3.3, 고진공 Teflon 니들밸브/콕

* Locking Ring to Prevent Accidental Removal of the Key
* Ergonomic Key for Good Grip and Easy Operation, Interchangeable
* No Lubrication
* Excellent Chemical Resistance

〈L6〉

(1) DURAN® 10^{-6} mbar Hi-Vacu.
* Made in Germany

		Ea. Price,₩	Pk.	Price, ₩
SM.28605580	Straight Stopcock, PRODURAN®, Bore 2.5mm, Arm od 9mm	93,900	10ea	938,900
SM.28605600	, Bore 4mm , Arm od 10mm	93,900	10ea	938,900
SM.28605620	, Bore 6mm , Arm od 10mm	123,440	10ea	1,234,290
SM.28605640	, Bore 10mm , Arm od 18mm	207,880	10ea	2,078,700

(2) PYREX® Rotaflo® 10^{-9} Torr Hi-Vacu.
* Made in UK
* Individually Tested by Mass Spectrometer and Supplied with Certificate

		Ea.	Price, ₩
Pyg.HP3ST.7	Straight Stopcock, Rotaflo®, Bore 3mm , Arm od 10mm		68,390
Pyg.HP6ST.7	, Bore 6mm , Arm od 10mm		68,370
Pyg.HP6ST.10	, Bore 6mm , Arm od 13mm		74,650
Pyg.HP10ST.10	, Bore 10mm, Arm od 13mm		106,020



(1) 90° Angle-type, 10^{-6} mbar



(2) 90° Angle-type, 10^{-9} Torr

High-Vacuum Stopcock, PTFE Needle valve, 90° Angle-type
Made of Borosilicate Glass α 3.3, 고진공 Teflon 니들밸브/콕

* Locking Ring to Prevent Accidental Removal of the Key
* Ergonomic Key for Good Grip and Easy Operation, Interchangeable
* No Lubrication
* Excellent Chemical Resistance

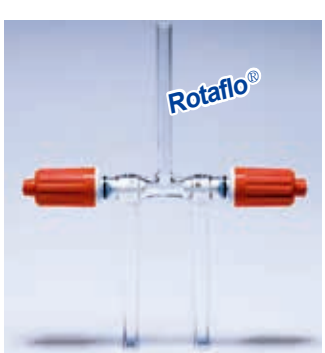
〈L6〉

(1) DURAN® 10^{-6} mbar Hi-Vacu.
* Made in Germany

		Ea. Price,₩	Pk.	Price, ₩
SM.28605660	90° angle Stopcock, PRODURAN®, Bore 2.5mm, Arm od 9mm	88,650	10ea	886,420
SM.28605680	, Bore 4mm , Arm od 10mm	88,650	10ea	886,420
SM.28605700	, Bore 6mm , Arm od 10mm	110,830	10ea	1,108,190
SM.28605710	, Bore 10mm , Arm od 18mm	192,070	10ea	1,920,590

(2) PYREX® Rotaflo® 10^{-9} Torr Hi-Vacu.
* Made in UK
* Individually Tested by Mass Spectrometer and Supplied with Certificate

		Ea.	Price, ₩
Pyg.HP3RA.7	90° angled Stopcock, Rotaflo®, Bore 3mm , Arm od 10mm		68,390
Pyg.HP6RA.7	, Bore 6mm , Arm od 10mm		64,650
Pyg.HP10RA.10	, Bore 10mm, Arm od 13mm		99,600



3 way-type, 10^{-9} Torr

PYREX® Rotaflo® High-Vacuum 3-Way Stopcock, with 2 PTFE Valves, 10^{-9} Torr
Made of Borosilicate Glass α 3.3, <UK-Made> 3방 고진공 Teflon 니들밸브/콕

■ ***Individually Tested by Mass Spectrometer and Supplied with Certificate***
* Locking Ring to Prevent Accidental Removal of the Key
* Pressure Range of +1bar to 10^{-9} Torr
* Ergonomic Key for Good Grip and Easy Operation, Interchangeable

〈L6〉

		Ea.	Price, ₩
Pyg.HP3TW.5	3-Way Stopcock, Bore 3mm, Arm od 8mm		131,320
Pyg.HP6TW.7	, Bore 6mm, Arm od 10mm		145,690

Spare PTFE Valve/Plug & Locking Ring for Rotaflo®



		Ea. Price,₩	Pk.	Price, ₩
Pyg.HP3K	3mm Bore - PTFE Valve / Plug	32,120	2ea	64,200
Pyg.LR3	- Locking Ring	2,040	5ea	10,120
Pyg.HP6K	6mm Bore - PTFE Valve / Plug	32,290	2ea	64,570
Pyg.LR6	- Locking Ring	2,130	5ea	10,580
Pyg.HP10K	10mm Bore - PTFE Valve / Plug	39,140		
Pyg.LR10	- Locking Ring	2,090	5ea	10,430

Articles	Cat. No	Description

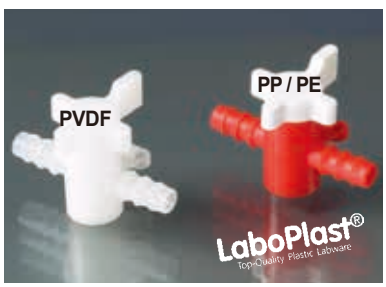


Kartell® PP/HDPE Stopcock, for Gas & Liquid, <Italy-Made> 스탑콕, 액체/기체용

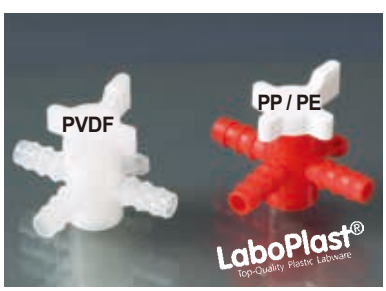
∗ Good for Acids, Chemicals and Thermal(-10℃+100℃) Resistance
∗ HDPE-Body, PP-Plug ∗ Can be Used in Low Vacuum.
∗ NO-Breakage, NO-Grease ∗ Operating Pressure 0.5 bar

〈L1〉

Cat. No		Ea.	Price, ₩
KA.374	Stopcock, PP / PE, Bore 4.9 mm, Arm od 8 mm, White		2,380
KA.371	, Bore 7.0 mm, Arm od 10 mm, Green		1,980
KA.376	, Bore 10.9 mm, Arm od 13 mm, Green		2,740
KA.379	, Bore 12.7 mm, Arm od 15 mm, Green		2,780



(1) 2-Way



(2) 3-Way

Burkle® PP and High-Temp PVDF 2- & 3-Way Stopcock, for Gas or Liquid, for Φ5~13mm
With Mounting Plate, 1bar, Bore Φ4~8mm, <Germany-Made> PP 혹은 내열 내약품성 PVDF 콕

■ ***PVDF : Excellent Chemical Resistance, Transparent, High-Temp. 160℃ max, Good for Food***
■ ***Operating Temperature : PVDF White : 0℃ up to 70℃, PP / PE Red / White : 5℃ up to 50℃***
■ ***Resistant to Compression max. 1 bar*** ■ ***With Mounting Plate for Easy Installation***
∗ Two and three-way valves are used for transfer of liquids or gases in order to release the flow, to block it or to change its direction.

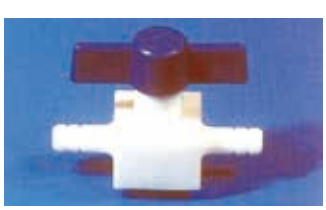
〈L1〉

(1) 2-Way : PP/PE or PVDF Stopcock

Cat. No		Ea.	Price, ₩
BK.8605.0060	PP/PE Two-way Red/White, for dia, Φ5~7mm , Bore - 4mm		18,090
BK.8605.0080	, Φ7~9mm , - 6mm		20,900
BK.8605.0100	, Φ9~11mm , - 8mm		23,900
BK.8605.0120	, Φ11~13mm, - 8mm		23,900
BK.8607.0060	PVDF Two-way White, for dia, Φ5~7mm , Bore - 4mm		30,420
BK.8607.0080	, Φ7~9mm , - 6mm		35,940
BK.8607.0100	, Φ9~11mm , - 8mm		41,090
BK.8607.0120	, Φ11~13mm, - 8mm		41,090

(2) 3-Way : PP/PE or PVDF Stopcock

Cat. No		Ea.	Price, ₩
BK.8606.0060	PP/PE Three-way Red/White, for dia, Φ5~7mm , Bore - 4mm		30,120
BK.8606.0080	, Φ7~9mm , - 6mm		35,530
BK.8606.0100	, Φ9~11mm , - 8mm		40,800
BK.8606.0120	, Φ11~13mm, - 8mm		40,800
BK.8608.0060	PVDF Three-way White, for dia, Φ5~7mm , Bore - 4mm		47,140
BK.8608.0080	, Φ7~9mm , - 6mm		53,350
BK.8608.0100	, Φ9~11mm , - 8mm		57,470
BK.8608.0120	, Φ11~13mm, - 8mm		57,470



(1) Straight Bore-type PTFE Valve



(1) #4011&4012 ; Korea-made



(2) "T"-type PTFE Valve

Cowie® PTFE Stopcock, for Tubing and Hose, for Vacuum(5mmHg)/Pressure(1bar)
Good High Temp · Chemical · Corrosion Resistance, with Bore 2~14mm, PTFE 밸브/콕

■ ***Supplied by Cowie® in U.K. (CW.), Supplied by SciLab Korea (SL.)***
∗ Ideal for Laboratory, Chromatography, Chemical Pipeline System and Pilot-Plant
∗ All Contact Parts are PTFE(-200℃+280℃) ∗ Handle of Valve is Talc filled PP (-10℃+140℃)
∗ Maximum Pressure 1 Bar and 5 mm Hg ∗ Chemical/Corrosion-Resist, Grease Free

〈L1〉

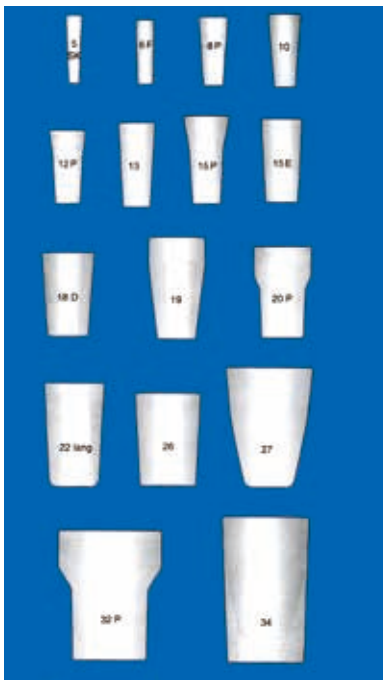
(1) PTFE Straight Stopcock, Bore 2~14mm

Cat. No		Ea.	Price, ₩
CW.016.702.5.2	Stopcock PTFE, 1-way, Arm od Φ4×Bore 2mm		41,300
CW.016.702.2	, Arm od Φ6×Bore 2mm		41,270
CW.016.703.7.2	, Arm od Φ7×Bore 3mm		43,390
CW.016.703.2	, Arm od Φ8×Bore 3mm		43,390
CW.016.704.9.2	, Arm od Φ9×Bore 4mm		43,790
CW.016.704.2	, Arm od Φ10×Bore 4mm		44,880
CW.016.705.2	, Arm od Φ11×Bore 5mm		71,680
SL.Sto4011	, Arm od Φ15×Bore 10mm		144,000
SL.Sto4012	, Arm od Φ20×Bore 14mm		168,000

(2) PTFE "T"-type Stopcock

Cat. No		Ea.	Price, ₩
CW.016.802.5.2	Stopcock PTFE, "T", Arm od Φ4×Bore 2mm		47,720
CW.016.802.2	, Arm od Φ6×Bore 2mm		48,040
CW.016.803.7.2	, Arm od Φ7×Bore 3mm		50,480
CW.016.803.2	, Arm od Φ8×Bore 3mm		51,900
CW.016.804.9.2	, Arm od Φ9×Bore 4mm		52,820
CW.016.804.2	, Arm od Φ10×Bore 4mm		53,280
CW.016.805.2	, Arm od Φ11×Bore 5mm		68,420

※ The Price(VAT is extra) for Korean End-user, and Changeable.





Heinz® Bio-Steristopper® made of Cellulose, for id Φ4.5~71mm, Air Permeable
Ideal for Bacteria Filtering, Reusable-type, Autoclavable to 200℃, 바이오스토퍼

■ ***Supplied by Heinz Herenz® in Germany*** ■ ***Air Permeable***
■ ***Bacteria-Filtering*** ■ ***Up to 200℃ Autoclavable***

∗ Provide as an Excellent Sealing for Microbiological Samples and Tissue Cultures in Test Tubes, Flasks and Bottles
∗ In order to select the Best Fitting Size of Steristoppers® only the Internal Diameter of the Glasses will be relevant
∗ Saving Time in the Laboratory ∗ Competitive Price

〈L1〉

			dh pk.	Price, ₩	Cs.	Price, ₩
HH.2010503	Stopper, Bio. 5SK, for id.	Φ4.5~6.5 mm	50ea	15,500	100pk	911,120
HH.2010604	. 6F ,	Φ6.5~7.5 mm	50ea	13,830	100pk	812,080
HH.2010801	. 8P ,	Φ7.5~10.5 mm "P"-form	50ea	14,230	36pk	300,880
HH.2011000	. 10 ,	Φ9.5~11.5 mm	50ea	12,200	20pk	143,400
HH.2011201	. 12P ,	Φ11.5~13.0 mm "P"-form	50ea	12,820	20pk	150,650
HH.2011300	. 13 ,	Φ12.5~14.5 mm	50ea	13,870	20pk	162,940
HH.2011501	Stopper, Bio. 15P , for id.	Φ14.0~16.5 mm "P"-form	50ea	16,090	100pk	945,680
HH.2011516	. 15E ,	Φ15.5~17.0 mm	50ea	15,740	100pk	925,270
HH.2011806	. 18D ,	Φ17.5~19.5 mm	25ea	9,040	20pk	106,270
HH.2011900	. 19 ,	Φ19.0~22.0 mm	25ea	17,640	100pk	1,036,830
HH.2012001	. 20P ,	Φ19.0~22.5 mm "P"-form	25ea	13,390	100pk	786,790
HH.2012208	. 22 ,	Φ22.0~24.0 mm (Long)	25ea	19,800	80pk	930,970
HH.2012600	Stopper, Bio. 26 , for id.	Φ26.0~27.0 mm	25ea	19,320	80pk	908,050
HH.2012700	. 27 ,	Φ27.0~32.5 mm	25ea	29,890	40pk	702,970
HH.2013201	. 32P ,	Φ32.0~33.0 mm "P"-form	25ea	46,720	30pk	824,050
HH.2013400	. 34 ,	Φ33.5~36.5 mm	25ea	40,280	30pk	710,630
HH.2013600	. 36 ,	Φ35.5~39.5 mm	25ea	45,170	24pk	637,280

For id Φ40~71mm, Large-neck Flasks/Vessels

			dh pk.	Price, ₩	Cs.	Price, ₩
HH.2013800	Stopper, Bio. 38 , for id.	Φ40.0~43.5mm	20ea	42,850	25pk	629,880
HH.2014001	. 40P ,	Φ42.0~46.5mm "P"-form	20ea	63,870	25pk	939,090
HH.2014501	. 45P ,	Φ47.0~48.0mm "P"-form	20ea	91,730	15pk	809,270
HH.2014800	. 48 ,	Φ47.0~49.0mm	20ea	63,330	20pk	744,770
HH.2016001	. 60P ,	Φ57.0~60.0mm "P"-form	20ea	158,120	10pk	929,980
HH.2017005	. 70K ,	Φ69.0~71.0mm	10ea	83,430	10pk	490,640



Normal Size (Φ12~50)



Large Size (Φ55~75)

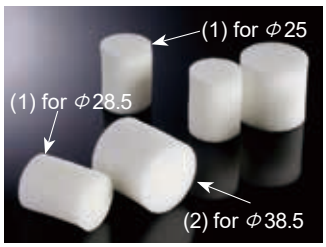
SciLab® Cork Stopper, Air Permeable, Superior Grade Corks
Made of Eco Friendly Materials, <Korea-Made> 친환경 콜크마개

■ ***Made in Korea***
■ ***Cork Using 100% Natural Ingredients Harmless to Human Body and Environment-friendly***
■ ***Air Permeable*** ■ ***Renewable and Recyclable***
∗ Strong Elastic ∗ Insulation Effect ∗ Strength : 170~240 (kg/m³)
∗ Ideal for Cell / Tissue-Culture / General Lab / Medical / Sample Vessel / Microbiological / Chemical / Biological Agriculture / Medicine

〈L1〉

Cat. No.	Stopper Number	Stopper Size Φ Upper/Bottom × H(mm)	Pk.	Price ₩
SL.Sto9011	No.2	Normal Size Φ12 / 9 × h15mm	10ea	1,500
SL.Sto9012	No.3	Φ15 / 11 × h20mm	10ea	1,630
SL.Sto9013	No.4	Φ17 / 13 × h20mm	10ea	1,750
SL.Sto9014	No.4-1	Φ19 / 15 × h20mm	10ea	1,880
SL.Sto9015	No.5	Φ21 / 16 × h27mm	10ea	2,750
SL.Sto9016	No.6	Φ23 / 18 × h27mm	10ea	3,000
SL.Sto9017	No.7	Φ25 / 20 × h27mm	10ea	3,250
SL.Sto9018	No.8	Φ27 / 21 × h30mm	10ea	4,130
SL.Sto9019	No.9	Φ30 / 24 × h30mm	10ea	4,630
SL.Sto9020	No.11	Φ33 / 27 × h30mm	10ea	5,250
SL.Sto9021	No.12	Φ36 / 30 × h30mm	10ea	9,750
SL.Sto9022	No.14	Φ41 / 33 × h39mm	5ea	5,380
SL.Sto9023	No.15	Φ45 / 37 × h39mm	5ea	6,000
SL.Sto9024	No.16	Φ50 / 42 × h39mm	5ea	6,500
SL.Sto9025	No.18	Large Size Φ55 / 47 × h39mm	5ea	7,250
SL.Sto9026	No.20	Φ60 / 52 × h39mm	5ea	8,500
SL.Sto9027	No.21	Φ65 / 57 × h39mm	5ea	9,380
SL.Sto9028	No.23	Φ70 / 62 × h39mm	1ea	1,980
SL.Sto9029	No.24	Φ75 / 67 × h39mm	1ea	2,330

Articles	Cat. No	Description



SciLab® PE-foam Drosophila Stopper, Sponge-Type, Disposable, Non-sterile
For Vials(Φ25 & Φ28.5mm) and Bottles(Φ38.5mm), 초파리 배양 베셀용 마개

■ ***Supplied by SciLab Korea*** ∗Ideal for Minimal Shedding as well as Reduce Evaporation ∗Flat Surface : Marking Possible ∗Superior Barrier to Mite Infestation ∗Stretches yet maintains tight fit after repeated removal and closing ∗Maintains Tight Fit after Repeated Removal and Closing

(1) for Drosophila Vials Φ25 & Φ28.5mm

〈L2〉

		Pk.	Price,₩
SL.Sto3001	Stopper, PE Foam, for neck Φ25mm Vials	100ea	37,380
SL.Sto3002	, for neck Φ28.5mm Vials	100ea	37,380

(2) for Drosophila Bottles, Neck id Φ38.5mm

		Pk.	Price,₩	Cs.	Price, ₩
SL.Sto3003	Stopper, PE Foam, for neck id Φ38.5mm Bottles	50ea	49,520	1000ea	458,330



SciLab® ASTM Joint Stopper, Hollow-Glass, 19/38, 24/40, 29/42, and 34/45
With Flat Bottom, Long Taper, Boro-glass α 3.3, ASTM 조인트 글라스 스토퍼

■ ***Supplied by SciLab Korea***

〈L1〉

		Ea.	Price, ₩
SL.Sto2101	Stopper, Glass, Flat Bottom, ASTM-19/38, Round-head		4,690
SL.Sto2102	-24/40, Round-head		5,200
SL.Sto2103	-29/42, Round-head		6,070
SL.Sto2104	-34/45, Round-head		7,440


(1) Flat Bottom


(2) Drip Tip


(3) Amber-glass

DIN Joint Stopper, Hollow Hexagonal Head, Boro-glass 3.3
With Flat-bottom or Drip Tip-bottom, DIN 조인트 글라스 스토퍼

(1) Flat Bottom-type

〈L6〉

		Ea. Price,₩
SM.28612180	Stopper, DIN 7/16	4,480
SM.28612250	, DIN 10/19	2,800
SM.28612350	, DIN 12/21	2,980
SM.28612460	, DIN 14/23	2,840
SM.28612620	, DIN 19/26	3,830
SM.28612780	, DIN 24/29	4,280
SM.28612900	, DIN 29/32	5,320
SM.28613030	, DIN 34/35	14,830
SM.28613090	, DIN 45/40	20,690

(2) Drip Tip/Pointed-type

		Ea. Price,₩
SM.28611380	Stopper, DIN 7/16	4,290
SL.Sto2011	, DIN 10/19	2,120
SL.Sto2012	, DIN 12/21	2,120
SL.Sto2013	, DIN 14/23	2,430
SL.Sto2014	, DIN 19/26	3,470
SL.Sto2015	, DIN 24/29	4,690
SL.Sto2016	, DIN 29/32	6,580
SL.Sto2017	, DIN 34/35	8,780
SM.28611810	, DIN 45/40	20,730

(3) Amber-glass, Flat Bottom-type

〈L1〉

		Ea. Price,₩
SL.Sto2022	Stopper, Amber, DIN 14/23	3,870
SL.Sto2025	, DIN 29/32	7,090


(1)


(2)

DIN Joint PE Stopper, with Octagonal- & Flower-Head, Non-Autoclavable, 7/16~60/46
Excellent for Sealing, Non-Breakage, Good Grip, −50℃+105/120℃, PE 스토퍼, DIN 규격

(1) With Octagonal-head

〈L1〉

		Ea. Price,₩	Pk.	Price,₩
WI.0306007	Stopper, DIN 7/16	950	10ea	9,040
WI.0306010	, DIN 10/19	880	10ea	8,370
WI.0306012	, DIN 12/21	1,040	10ea	10,050
WI.0306014	, DIN 14/23	1,130	10ea	10,720
WI.0306019	, DIN 19/26	1,500	10ea	14,390
WI.0306024	, DIN 24/29	1,570	10ea	15,070
WI.0306029	, DIN 29/32	1,950	10ea	18,740
WI.0306034	, DIN 34/35	3,600	10ea	34,800
WI.0306045	, DIN 45/40	5,570	10ea	53,870
WI.0306060	, DIN 60/46	8,470	10ea	81,970

(2) With Flower-head

		Ea. Price,₩	Pk.	Price,₩
SL.Sto3011	Stopper, DIN 10/19	590	10ea	5,280
SL.Sto3012	, DIN 12/21	770	10ea	7,150
SL.Sto3013	, DIN 14/23	770	10ea	7,150
SL.Sto3014	, DIN 19/26	840	10ea	7,870
SL.Sto3015	, DIN 24/29	1,240	10ea	11,630
SL.Sto3016	, DIN 29/32	1,430	10ea	13,470
SL.Sto3017	, DIN 34/35	1,970	10ea	18,620

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description


(1)


(2)

VITLAB® DIN Joint PP Stopper, Autoclavable, 10/19~60/46

With Red Core, Autoclavable, 0℃~125/140℃ Stable, <Germany-Made> PP 조인트 스토퍼

(1) With Square-knob

〈L1〉

		Ea. Price,₩
VI.906.94	PP Stopper, Square-knob, DIN 10/19	1,150
VI.907.94	, DIN 12/21	1,330
VI.908.94	, DIN 14/23	1,540
VI.909.94	, DIN 19/26	1,790
VI.910.94	, DIN 24/29	2,080

(2) With Octaganal-knob

		Ea. Price,₩
VI.921.94	PP Stopper, Octaganal-knob, DIN 29/32	2,890
VI.912.94	, DIN 34/35	4,490
VI.913.94	, DIN 45/40	5,450
VI.914.94	, DIN 60/46	7,840



SciLab® Utility Pure PTFE Joint Stopper, Excellent Chemical · Corrosion · Temp-Resistance

ASTM & DIN Joint, With Trapezoidal Ring for High Vacuum & Tight Sealing Effect, −200℃+280℃, PTFE 스토퍼

■ ***Supplied by SciLab Korea*** ∗ Non-Contaminating ∗ Autoclavable

(1) With ASTM 14/35~34/45

〈L1〉

		Ea. Price,₩
SL.Sto4021	PTFE Stopper, 14/35, h46mm	12,270
SL.Sto4022	, 24/40, h55mm	18,380
SL.Sto4024	, 29/42, h57mm *New*	20,130
SL.Sto4023	, 34/45, h60mm	24,520

(2) With DIN 10/19~60/46

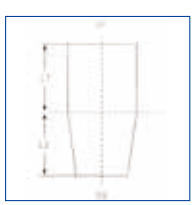
		Ea. Price,₩
SL.Sto4026	PTFE Stopper, 10/19, h31mm	7,980
SL.Sto4027	, 14/23, h34mm	11,040
SL.Sto4028	, 19/26, h38mm	14,380
SL.Sto4029	, 24/29, h44mm	16,100
SL.Sto4030	, 29/32, h47mm	17,250
SL.Sto4031	, 34/35, h51mm	20,700
SL.Sto4036	, 45/40, h58mm *New*	28,750
SL.Sto4037	, 60/46, h64mm *New*	54,620

ShinEtsu® Silicosen® Silicone Rubber Stopper & Snap Cap, Air Permeable, for Culture Tube · Flask · Bottle

For Cultivation of Micro-organism, Yeasts, Molds and Others, 가스 투과성 실리콘 고무 스토퍼

■ ***Air-permeable Silicone Rubber Plugs for Tubes, Bottles and Flasks for the Cultivation***
■ ***The Water Evaporation Rate is significantly Lower which avoids Cultivars to dry and Concentrations to Change***





(1) Stopper, for id Φ10~60mm

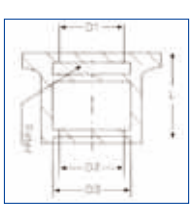
∗ Excellent Heat Resistance and Reusable by Dry Air Sterilization at 180℃ or Autoclaving at 125℃
∗ The Water Evaporation Rate is less than Half of the Rate through a Cotton Plug by which Culture Media will not dry or Change Concentrations or pH Level.
∗ Excellent Chemical Resistance ∗ Can be cleaned with Hot Water and Neutral Detergents.
∗ Prevent the Stray Entry of Airborne Bacteria for both Stationary and Shaking Cultures
∗ Due to its Hydrophobic Property, Silicosen prevent Microbes on its Surface even at High Atmospheric Moisture Levels.

(1) Stopper, for id Φ10~60mm

〈L3〉

Cat. No	D1	D2	L1	L2	Application	Ea. Price, ₩
H21.T12	12	9	14	17	Small Tube	2,050
H21.T15	15	11	15	20	Medium Tube	2,250
H21.T17	17	13	10	30		2,570
H21.T19	19	15	12	30	Large Tube(id 18mm)	2,740
H21.T22	22	18	15	30	Large Tube(id 20mm)	2,920
H21.T24	24	20	21	31	50㎖ Flask	3,070
H21.T28	28	20	21	35	50㎖ Flask	4,270
H21.T32	32	22	23	32	100㎖ Flask	4,490
H21.T38	38	27	29	42	250~500㎖ Flask	14,480
H21.T42	42	32	35	50	1,000㎖ Flask	17,030
H21.T52	52	42	40	60	Large Spout Bottle	18,690
H21.T66	66	54	40	60		36,330



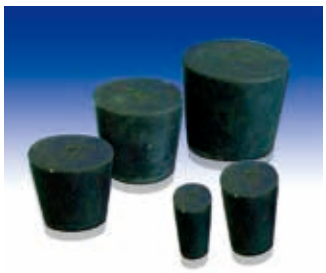


(2) Snap Cap, for 50~3,000ml Flasks

(2) Snap Cap, for 50~3,000㎖ Flasks

Cat. No	D1	D2	L1	L2	Application	Ea. Price, ₩
H21.C20	16	12	20	28	50㎖ Flask	5,720
H21.C30	26	18	30	28	100㎖ Flask	7,340
H21.C40	36	27	40	28	250~500㎖ Flask	9,790
H21.C55	50	34	55	28	1,000㎖ Flask	14,000
H21.C65	57	42	65	29	3,000㎖ Flask	23,180

Articles | Cat. No | Description



(1) Rubber Stopper



(2) Silicone Stopper

SciLab® Rubber and Silicone Stopper, Φ12~Φ110mm, 고무 마개(흑색)와 실리콘 마개

■ *Made in Korea*

Specifications & Ordering <L1>

Stopper Number	(1) Rubber (Black)				<L2> (2) Silicone			
	Cat. No.	Stopper Size Top/Bot. Dia.×h(mm)	Pk.	Price ₩	Cat. No.	Stopper Size Top/Bot. Dia.×h(mm)	Pk.	Price ₩
No.1	SL.Sto6011	Φ12/8×h20 mm	10ea	1,350	SL.Sto6051	Φ12/8×h20 mm	10ea	2,540
No.2	SL.Sto6012	Φ13/9×h19 mm	10ea	1,580	SL.Sto6052	Φ12.5/9×h19 mm	10ea	3,630
No.3	SL.Sto6013	Φ15/12×h20 mm	10ea	1,800	SL.Sto6053	Φ15/12×h20 mm	10ea	4,720
No.4	SL.Sto6014	Φ17/12×h22 mm	10ea	2,030	SL.Sto6054	Φ16.5/12×h22 mm	10ea	5,440
No.5	SL.Sto6015	Φ21/16×h23 mm	10ea	2,250	SL.Sto6055	Φ21/16×h25 mm	10ea	6,530
No.6	SL.Sto6016	Φ23/18×h23 mm	10ea	2,480	SL.Sto6056	Φ23/18×h25 mm	10ea	7,800
No.7	SL.Sto6017	Φ26/20×h22 mm	10ea	2,930	SL.Sto6057	Φ26/20×h30 mm	10ea	8,890
No.8	SL.Sto6018	Φ28/23×h24 mm	10ea	3,380	SL.Sto6058	Φ28/22×h30 mm	5ea	5,540
No.9	SL.Sto6019	Φ29/26×h24 mm	10ea	3,830	SL.Sto6059	Φ29.5/24×h30 mm	5ea	5,900
No.10	SL.Sto6020	Φ31/27×h28 mm	10ea	4,280	SL.Sto6060	Φ32/26×h35 mm	5ea	7,440
No.11	SL.Sto6021	Φ34/30×h29 mm	10ea	4,950	SL.Sto6061	Φ35/28×h35 mm	5ea	8,340
No.12	SL.Sto6022	Φ37/30×h33 mm	10ea	5,850	SL.Sto6062	Φ36/29×h32 mm	5ea	9,250
No.13	SL.Sto6023	Φ39/34×h32 mm	5ea	3,380	SL.Sto6063	Φ39/34×h31 mm	5ea	11,520
No.14	SL.Sto6024	Φ42/38×h33 mm	5ea	3,940	SL.Sto6064	Φ42/37×h32 mm	5ea	14,140
No.15	SL.Sto6025	Φ45/41×h32 mm	5ea	4,500	SL.Sto6065	Φ45/41×h31 mm	5ea	17,680
No.16	SL.Sto6026	Φ48/43×h37 mm	5ea	5,630	SL.Sto6066	Φ48/43×h36 mm	5ea	21,490
No.17	SL.Sto6027	Φ50.5/45.5×h36 mm	5ea	6,750	SL.Sto6067	Φ52/45.5×h36 mm	1ea	5,430
No.18	SL.Sto6028	Φ54/49×h36 mm	5ea	7,880	SL.Sto6068	Φ54/49×h35 mm	1ea	6,200
No.19	SL.Sto6029	Φ58/53×h38 mm	5ea	9,000	SL.Sto6069	Φ58/52×h36 mm	1ea	6,930
No.20	SL.Sto6030	Φ61/55×h41 mm	5ea	10,130	SL.Sto6070	Φ60/54×h40 mm	1ea	7,370
No.21	SL.Sto6031	Φ65/59×h42 mm	5ea	12,380	SL.Sto6071	Φ64/58.5×h41 mm	1ea	8,650
No.22	SL.Sto6032	Φ68/62×h42 mm	5ea	13,500	SL.Sto6072	Φ67/61×h42 mm	1ea	9,690
No.23	SL.Sto6033	Φ72/65×h42 mm	5ea	14,630	SL.Sto6073	Φ71/64×h42 mm	1ea	11,220
No.24	SL.Sto6034	Φ75/68×h43 mm	5ea	16,880	SL.Sto6074	Φ74/67×h42 mm	1ea	12,100
No.25	SL.Sto6035	Φ79/71×h43 mm	5ea	19,130	SL.Sto6075	Φ78/70×h42 mm	1ea	14,840
No.26	SL.Sto6036	Φ83/75×h43 mm	5ea	21,380	SL.Sto6076	Φ81/73×h42 mm	1ea	16,590
No.27	SL.Sto6037	Φ89/81×h43 mm	5ea	24,750	SL.Sto6077	Φ87/79×h42 mm	1ea	19,190
No.28	SL.Sto6038	Φ94/87×h43 mm	1ea	5,630	SL.Sto6078	Φ93/86×h42 mm	1ea	21,300
No.29	SL.Sto6039	Φ97/90×h44 mm	1ea	6,300	SL.Sto6079	Φ96/89×h43 mm	1ea	23,900
No.30	SL.Sto6040	Φ108/101×h46 mm	1ea	6,980	SL.Sto6080	Φ110/95×h53 mm	1ea	29,150





One-Hole Silicone Stopper

SciLab® One-Hole Silicone Stopper, with Hole Φ6 & 14mm

Ideal for Using with Thermometer · Inlet-tube · Filter-flask · Funnel, 원-홀 실리콘 마개

■ *Made in Korea*
■ *Useful for the Stem of Thermometer / Inlet (or Outlet) Tubes*
■ *Φ14mm Hole Stoppers are Especially Designed for Duran Filtering Flask 500 · 1000 · 2000㎖*

Specifications & Ordering <L1>

Cat. No.	Stopper Number	Hole Dia.Φ (mm)	Stopper Size Top/Bottom Dia.×h(mm)	Useful for Joints	Ea. Price ₩
(1) Φ6mm-hole Stoppers for Thermometers & Inlet/Outlet-tubes					
SL.Sto6101	No.3	Φ6mm	Φ14.5 / 12×h17.5 mm	14/13 & 14/23	750
SL.Sto6102	No.6	Φ6mm	Φ23 / 18×h25 mm	19/26 & 19/38	1,240
SL.Sto6103	No.7	Φ6mm	Φ26 / 23×h30 mm		1,400
SL.Sto6104	No.8	Φ6mm	Φ28 / 22×h30 mm	24/29 & 24/40	1,690
SL.Sto6105	No.12	Φ6mm	Φ36 / 29×h32 mm	34/35 & 34/45	2,730
(2) Φ14mm-hole Stoppers for DURAN® Filtering Flasks 500~2000㎖					
SL.Sto6106	No.12	Φ14mm	Φ36 / 29×h32 mm	34/35 & 34/45 Filtering Flask 500㎖	2,730
SL.Sto6107	No.16	Φ14mm	Φ48 / 43×h36 mm	45/40 & 45/50 Filtering Flask 1000㎖	5,850
SL.Sto6108	No.21	Φ14mm	Φ64 / 58.5×h41 mm	Filtering Flask 2000㎖	11,030

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



One-Hole Soft Silicone Stopper

One-Hole Soft Silicone Stopper, with Breathable Quartz Sand Septa, Hole Φ8~Φ15mm

Ideal for Using with Thermometers · Inlet-tubes · Flask · Funnel &c., Soft **원홀 실리콘 마개, 셉타포함**

■ ***Supplied by SciLab Korea*** ■ ***with Quartz Sand Septa for Feeble Breathableness***

* Center Hole is appeared by Removing the Septa
* Center Hole - Φ8/11/15mm, Stopper Bottom · Φ8~47mm
* Useful for the Incubation Flask / Stem of Thermometer / Inlet (or Outlet) Tubes

Specifications & Ordering

〈L1〉

Cat. No.	Stopper Size Φ Upper / Bottom × h(mm)	Hole Dia (mm)	Suit for Tube (mm)	Ea. Price ₩
SL.Sto6121	Φ 22 / 18 × h36 mm	Φ 8 mm	for id Φ20 mm	1,140
SL.Sto6122	Φ 25 / 21 × h40 mm	Φ 8 mm	for id Φ23 mm	1,230
SL.Sto6123	Φ 28 / 23 × h40 mm	Φ 11 mm	for id Φ26 mm	1,270
SL.Sto6124	Φ 31 / 26 × h40 mm	Φ 11 mm	for id Φ29 mm	1,340
SL.Sto6125	Φ 35 / 30 × h40 mm	Φ 11 mm	for id Φ32 mm	1,570
SL.Sto6126	Φ 38 / 33 × h42 mm	Φ 11 mm	for id Φ35 mm	3,520
SL.Sto6127	Φ 45 / 40 × h47 mm	Φ 15 mm	for id Φ42 mm	3,680
SL.Sto6128	Φ 53 / 47 × h47 mm	Φ 15 mm	for id Φ50 mm	5,940



SciLab® Rubber Sleeve Septa/Stopper with Snap-lip for Socket Joint 14 · 19 · 24

Ideal for Joint Socket Stopper & Needle Injection, **러버 슬리브 스냅 셉타/스토퍼, 조인트 소켓 스토퍼용 및 니들 인젝션용**

■ ***Made in Korea***

* Sleeve Septa/Stopper with Hollow Plugs, Rounded Corners, and Needle Guide.
* Stopper Folds Down Over Neck of Bottle. Is Easily Perforated with Hypodermic Needles.

〈L1〉

		Pk.	Price, ₩
SL.Sto6201	Sleeve Septa, Rubber, 14/23, 14/35	100ea	39,380
SL.Sto6202	, 19/26, 19/38	100ea	45,000
SL.Sto6203	, 24/29, 24/40	100ea	65,250



(1) Sleeve-Type

Wheaton® Stopper, for Serum Bottles & Vials, Autoclavable, 스토퍼

* Manufactured from the Highest Quality Raw Materials.
* Variety of Styles, Sizes and Rubber Formulations.
* Components Manufactured to Yield Exceptional Dimensional Stability
* Snap-on style provided maximum sealing for vials with a blow-back glass finish.
* Sleeve style stoppers feature a fold-over skirt for sealing in serum finish vials without a crimp closure

〈L1〉

(1) Sleeve-Type

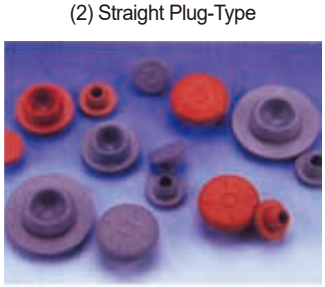
		Pk.	Price, ₩	Cs.	Price, ₩
WH.224100.020	Stopper, Sleeve type, od 11 × id 5, Red Rubber	100ea	46,000	10pk	425,250
WH.224100.060	, od 13 × id 7, Red Rubber	100ea	111,320	10pk	1,030,100
WH.224100.161	, od 20 × id 13, Red Rubber	100ea	101,440	10pk	938,840
WH.224100.320	, od 30 × id 15, Red Rubber	100ea	163,280	10pk	1,511,350
WH.224100.160	, od 20 × id 10, Red Rubber	100ea	105,980	10pk	980,650



(2) Straight Plug-Type

(2) Straight Plug-Type

		Pk.	Price, ₩	Cs.	Price, ₩
WH.224100.070	Stopper, Strai. Plug type, od 13 × id 7, Red Rubber	100ea	35,490	10pk	328,190
WH.224100.072	, od 13 × id 7, PTFE / Gray Butyl	100ea	191,700	10pk	1,774,720
WH.224100.172	, od 20 × id 13, Red Rubber	100ea	47,990	10pk	443,780
WH.W224100.173	Stopper, Strai. Plug type, Gray Butyl	100ea	61,120	10pk	565,370
WH.224100.175	, PTFE / Gray Butyl	100ea	250,280	10pk	2,317,040
WH.224100.177	, Black Viton®(Teflon)	100ea	921,200		
WH.224100.178	, Silicone	100ea	149,480	10pk	1,383,520
WH.224100.330	, od 30 × id 15, Red Rubber	100ea	118,080	10pk	1,093,120
WH.224100.331	, Gray Butyl	100ea	131,090	10pk	1,213,430



(3) Snap-On-Type

(3) Snap-On Type

		Pk.	Price, ₩	Cs.	Price, ₩
WH.224100.080	Stopper, Snap-On type, od.13 × id.7, Red Rubber	100ea	38,950	10pk	360,230
WH.W224100.081	, Gray Butyl	100ea	41,830	10pk	386,730
WH.224100.180	, od 20 × id 13, Red Rubber	100ea	62,040	10pk	573,880
WH.W224100.181	, Gray Butyl	100ea	61,120	10pk	565,370
WH.W224100.342	, od 30 × id 15, Gray Butyl	100ea	134,770	10pk	1,247,520



(4), (5) Leg Plug-Type

(4) 2-Leg Plug(Slotted) Type

		Pk.	Price, ₩	Cs.	Price, ₩
WH.W224100.093	Stopper, 2-Leg type, od 13 × id 7, Gray Butyl	100ea	39,780	10pk	367,880
WH.W224100.193	, od 20 × id 13, Gray Butyl	100ea	58,720	10pk	543,290

(5) 3-Leg Plug Type

		Pk.	Price, ₩	Cs.	Price, ₩
WH.W224100.202	Stopper, 3-Leg type, od 20 × id 13, Gray Butyl	100ea	52,590	10pk	486,550

Articles | Cat. No | Description



DURAN® Multi-use Silicone Lid, 2 Colors for Identification, S · M · L · XL-size, Autoclavable
Ideal for Sealing & Covering Beakers, Cylinders, Flasks &c., −40℃+180℃, **범용 실리콘 커버**

■ ***Supplied by DURAN® in Germany***
■ ***다양한 사이즈의 비커, 실린더, 플라스크 등의 용기류에 내용물을 편리하고, 안전하고, 위생적으로 보관하기 위한 범용 실리콘 커버***
∗ Dish washer Resistant ∗ Excellent Stretchability ∗ Reusable
∗ Please Note that Prolonged Exposure to a Solvent will Cause Swelling of the Material.
∗ XL Size is not included in Set(DU.29110001 & DU.29110002)

〈L1〉

Size	Opening Diameter (mm)	Suitable for Beaker	Pink		Blue	
			Cat. No.	Ea. Price, ₩	Cat. No.	Ea. Price, ₩
S	Φ43~61mm	50~100㎖	**DU.29110111**	4,890	**DU.29110112**	4,890
M	Φ64~76mm	150~250㎖	**DU.29110211**	6,420	**DU.29110212**	6,420
L	Φ84~116mm	400~600㎖	**DU.29110311**	8,050	**DU.29110312**	8,050
XL	Φ102~116mm	800~1000㎖	**DU.29110411** NEW	11,530	**DU.29110412** NEW	11,530
Set (S / M / L)			**DU.29110001**	17,220	**DU.29110002**	17,220



PP Caps for od Φ12~Φ25mm Culture Tube, with Internal Ribs
Autoclavable, −10℃+125/140℃, **컬처튜브용 PP 캡**

〈L1〉

■ ***Supplied by SciLab Korea***

		Pk.	Price, ₩
SL.Cap3001	Cap, PP, for OD. Φ12mm Tube	100ea	23,870
SL.Cap3002	. Φ15mm Tube	100ea	23,870
SL.Cap3003	. Φ18mm Tube	100ea	27,850
SL.Cap3004	. Φ20mm Tube	100ea	35,780
SL.Cap3005	. Φ25mm Tube	100ea	40,820



(1) Standard-type



(2) Gripped-type

"witeg" Aluminum Cap, for Aerobic Culture Vessels OD 15~39mm Neck
For Culture Tube · Flask · Bottle, Aerobic, **알루미늄 컬쳐 캡, 호기성**

■ ***Supplied by "witeg" in Germany***
■ ***Aerobic(호기성) Cap, Bottles · Flasks · Tubes 등의 Mouth 외경 Size에 따라 선택*** ∗ Material : Clean Aluminum, Autoclavable
∗ Use : Aerobic Cap can be Selected by Bottles / Flasks / Tubes of external diameter sizes

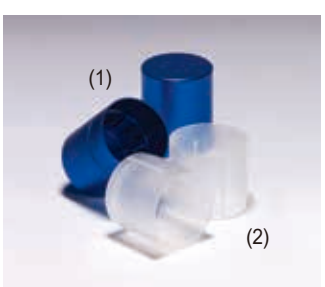
〈L1〉

(1) Standard-type, for Flask · Tube · Bottle OD 15~39mm Neck

		Ea.	Price, ₩	Pk.	Price, ₩
WI.0175504	Cap, Labocap®, for Neck od 15~16 mm	3,080		10ea	29,780
WI.0175506	17~18 mm	2,820		10ea	27,120
WI.0175507	19~20 mm	3,330		10ea	32,130
WI.0175508	21~23 mm	6,050		10ea	58,540
WI.0175509	24~26 mm	6,780		10ea	65,570
WI.0175510	28~30 mm	7,740		10ea	74,940
WI.0175514	37~39 mm	13,450		10ea	130,450

(2) Gripped-type, for Culture Tubes OD 15~18mm Neck

		Ea.	Price, ₩	Pk.	Price, ₩
WI.0175603	Cap, Labocap®, for Neck od 15~16 mm	3,740		10ea	36,150
WI.0175604	17~18 mm	3,980		10ea	38,480



Culture Flask Cap

Φ38-Neck Culture Flask Cap, Aluminum and PP, for Aerobic Culture
Ideal for od Φ38mm Culture Flask & Vessel, Autoclavable, **알루미늄 & PP 컬쳐 캡, 호기성**

■ ***Aerobic(호기성) Cap, Bottles · Flasks · Tubes 등의 Mouth 외경 Size에 따라 선택***

〈L1〉

(1) Anodized Aluminium Cap ■ *Supplied by "witeg"(WI.) in Germany*

		Ea.	Price, ₩	Pk.	Price, ₩
WI.0175514	Cap, Al. Culture, for od Φ37~39mm Neck Flasks	13,450		10ea	130,450

(2) 2-position PP(polypropylene) Cap ■ *Supplied by PYREX® in UK.*

		Ea.	Price, ₩	Pk.	Price, ₩
Py.4540.38P	Cap, PP, Culture, for od Φ37~38mm Neck Flasks	8,790		10ea	85,140

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



MediTop® Disposable Ethanol Swab, for Skin Disinfection, 30×30 & 40×40mm, *Medicaluse*

Sterile or Non-sterile, with 78.85% Ethyl Alcohol, **일회용 에탄올 스왑, 멸균/비멸균 소독솜**

■ Made in Korea ***■ Made of Rayon Staple Fiber*** ***■ Ideal for Disinfection of Wound & Medical Equipment***

∗ Easier and more Comfortable to Use for Disinfection ∗ Easy to Carry ∗ No Skin Irritation
∗ for External Use Only ∗ Approx Size Swab : 30×30 & 40×40mm

〈M3〉

1. Sterile, 78.85% Ethanol Swab

		Pk.	Price,₩	Cs.	Price, ₩
DM.Swa2001	(1) Ethanol Swab, **Sterile**, **Individual Package**, 30×30mm	100pads	2,330	60pk	139,430
DM.Swa2002	(2) , **100pads/Package** , 40×40mm	100pads	1,270	100pk	125,130

2. Non-sterile, 78.85% Ethanol Swab

		Pk.	Price,₩	Cs.	Price, ₩
DM.Swa2003	(1) Ethanol Swab, Non-sterile, **Individual Package**, 30×30mm	100pads	2,150	60pk	117,000
DM.Swa2004	(2) , **100pads/Package** , 40×40mm	100pads	1,270	100pk	125,130
DM.Swa2005	(3) , **200pads/Package** , 40×40mm	200pads	1,620	48pk	77,220



MediTop® Disposable Isopropanol Swab, for Skin Disinfection, 30×30mm, *Medicaluse*

With 70% Isopropyl Alcohol, Rayon Staple Fiber, **일회용 이소프로판올 스왑, 살균소독용**

■ Made in Korea ***■ Made of Rayon Staple Fiber*** ***■ Ideal for Disinfection of Wound & Medical Equipment***

∗ Easier and more Comfortable to Use for Disinfection ∗ Easy to Carry ∗ No Skin Irritation
∗ for External Use Only ∗ Approx Size Swab : 30×30mm

〈M3〉

		Pk.	Price,₩	Cs.	Price, ₩
DM.Swa2007	Isopropanol Swab, 30×30mm, Individual Package	100pads	2,330	60pk	139,430



25mm Sterile Cotton-tipped Swab, with White Flexible PP Stick, L100mm, *Medicaluse*

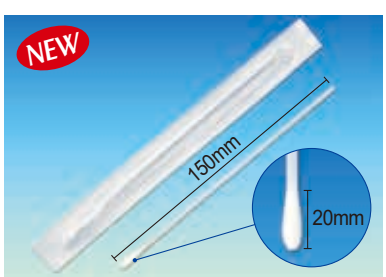
Ideal for Medical Application, Sterile Package, Disposable, **멸균면봉, 외상 치료용**

■ 질병검사 등을 위한 샘플 채취 가능 ***■ 식약처허가 의약외품(대전 516-2호)***

∗ Sterile Inner Package : 2pcs / Poly Bag

〈M3〉

		Cs.	Price, ₩
H13.SW01001	Swab, Sterile, Cotton Tip Φ10×ℓ25mm, PP stick Φ3×ℓ75mm	60ea	5,940



mediclin® 20mm Sterile Viscose-tipped Dry Swab, with Snappable PS Stick, L150mm

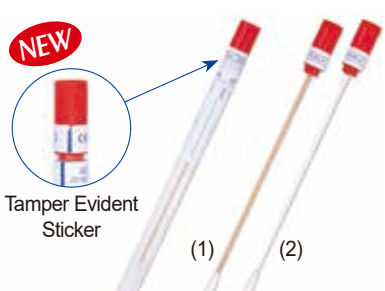
CE Certified, Individual or Bulk Package, **멸균 드라이 면봉**

■ Supplied by DAIHAN Korea ***■ CE Certified*** ***■ Sterilized by E.O/Gamma Radiation.***
■ Suitable for Variety of Applications including First Aid, Cosmetics Application, Cleaning, etc and the Collection and Transport of Virus of Flu, Hand-Foot and Mouth Disease, Measles etc.

∗ Viscose Tip : Φ4.5×20mm ∗ PS Stick : Φ2×130mm

〈M1〉

		Pk.	Price, ₩	Cs.	Price, ₩
DM.Swa3011	Dry Swab, Sterile, Viscose Tip, Bulk pack	100ea	1,930	200pk	357,410
DM.Swa3012	, Individual peel Package	100ea	8,730	50pk	404,170



mediclin® Sterile Dry Transport Swab Tube, PP, Cotton- and Viscose-Tip, Φ13×173mm

For Specimen Collection, Individual Package, NO-Medium, **멸균 스왑튜브, 샘플채취용**

■ Supplied by DAIHAN Korea ∗ Information wrote on Label : Sterile, LOT No., Name, Date, Hour, BED, REF
∗ The Multiplication of the Bacteria is Prevented. ∗ with Tamper Evident Sticker

〈M1〉

Ⅰ. Individual Packed in Peel Pack

		Pk.	Price,₩	Cs.	Price, ₩
DM.Swa3001	(1) Swab Tube, Cotton Tip-Φ5×14mm, Wooden Stick-Φ3×120mm	100ea	42,630	20pk	789,450
DM.Swa3002	(2) , Viscose Tip-Φ5×16mm, PS Stick-Φ2×122mm	100ea	42,630	20pk	789,450

Ⅱ. Individual Packed in Polybag

		Pk.	Price,₩	Cs.	Price, ₩
DM.Swa3003	(3) Swab Tube, Viscose Tip-Φ4.5×20mm, PS Stick-Φ2×130mm	100ea	19,190	20pk	355,380



3M® Pipette Swab-Sampler, Ideal for Microbial Sample Collection, Cotton Tip, L114mm

Sample Collection & Dispensing, All In One Swab, Convenient Use, **피펫스왑 샘플러, 작업장 표면 검사용**

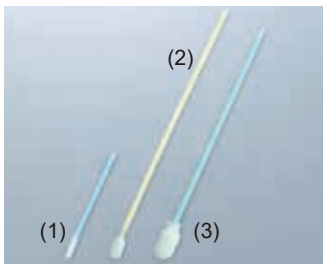
■ 식품위생 검사 및 미생물 검사를 위한 환경 샘플링용 스왑
■ 샘플링, 희석, 분주가 한번에 가능 : 면봉 샘플 채취도구와 1㎖ 용량의 디스펜서가 합쳐짐
■ Two Type of Broth- BPW (Buffered Peptone Water) & Saline (0.85% NaCl)
■ Accurate Pipette Injecting 1㎖ with Silicone Pump ***■ Certified ISO 9001:2008 for Quality Assurance***

∗ Quick Inoculation by Press the Pump ∗ Prevent the Cross Contamination
∗ Easy to Open and Close the Cap ∗ Consistent and Reliable Test Results

〈L4〉

		Pk.	Price, ₩	Cs.	Price, ₩
3M.01.2001	(1) Pipette Swab-Sampler, BPW, Cotton Tip : Φ5×L10mm, Total L114mm	10ea	19,540	40pk	781,250
3M.01.2002	(2) , Saline, Cotton Tip : Φ5×L10mm, Total L114mm	10ea	19,540	40pk	781,250

Articles	Cat. No	Description

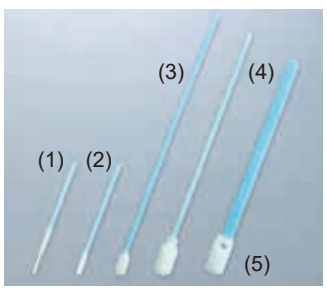


Apro® Electrostatic Discharge Polyurethane Tipped Swab, Class 100, L68~163mm
Good for Clean Room, Conductive Handle, **정전기 방지용 폴리우레탄 면봉, 크린룸용 폴리우레탄헤드, 전도성 핸들**

■ ***Made in Korea*** ■ ***Anti-Static Packing*** ∗ Ideal for Sensitive to Static Product : PCB, LED, LCD, etc. 〈L3〉

∗ Anti-static : Conductive Handle

			Pk.	Price, ₩	Cs.	Price, ₩
N4.PF301E	(1)	Swab, EDS, PU, Tip : t 3 ×13(2.8⁺mm), Stick : Φ3.2×68mm	100ea	19,140	10pk	177,190
N4.PF601E	(2)	: t 6 ×17(5⁺mm) , Stick : Φ3.2×163mm	100ea	24,620	10pk	227,820
N4.PF602E	(3)	: t 11×22(10⁺mm) , Stick : Φ4×152mm	50ea	14,590	10pk	135,000

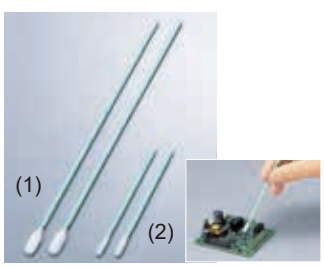


Apro® Polyurethane Tipped with Polypropylene Handle Swab, Class 100, L68~163mm
For Clean Room · Electronics · Laboratory, &c., Non-LINT, **크린룸용 폴리우레탄 면봉, 폴리우레탄헤드**

■ ***Made in Korea*** ■ ***정밀 제품의 미세한 부분, 빈틈 등의 이물질 제거시 사용*** 〈L3〉

∗ Various Types of Tips

			Pk.	Price, ₩	Cs.	Price, ₩
N4.PF302	(1)	Swab, Sock, PU, Tip : Φ3 ×10(4.21⁺mm), Stick : Φ3×68mm	100ea	17,330	10pk	160,320
N4.PF301	(2)	: Φ3 ×13(2.8⁺mm) , Stick : Φ2.3×68mm	100ea	17,330	10pk	160,320
N4.PF601	(3)	: Φ6 ×17(5⁺mm) , Stick : Φ3.6×163mm	100ea	27,340	10pk	253,130
N4.PF602	(4)	: Φ11×22(10⁺mm) , Stick : Φ3.3×152mm	50ea	14,140	10pk	130,790
N4.PFB601	(5)	: Φ11×23(9⁺mm) , Stick : Φ6.2×135mm(2.8⁺mm)	50ea	15,040	10pk	139,230



Sterile Clean Room Swab, Polyesther-Tip, with PP-Handle, L70 & 163.3mm, 크린룸용 멸균 면봉

■ ***γ-Rays Sterilized, Double Clean-pack***

∗ Polyesther-Tip Head : Specific Process for Sterilization

∗ Anti-eruptivity & Low-solubility, Good Absorption 〈L2〉

			Pk.	Price, ₩	Cs.	Price, ₩
SL.Swa3111	(1)	Swab, Tip : 6.4×16.8(3.4⁺mm), Stick : 3×163.3mm	100ea	91,780		
SL.Swa3112	(2)	: 4.0×12(3.6⁺mm) , Stick : 3×70mm	100ea	48,940	5pk	226,500

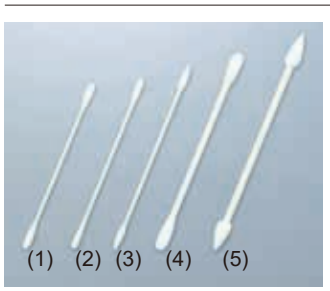


Heavy-duty Clean Room Swab, Polyester-Tip, Length 127.5mm
With PP-Handle, **크린룸용 강력 멸균 면봉**

■ ***Heavy-duty : Tip-12.7×25.7×Thickness 4.21ᵗmm, Handle-5.2×102×Thickness 3ᵗmm*** 〈L2〉

∗ Heating-adhesive Tip : Can not be Mixed with Adhesive at Using Object

		Pk.	Price, ₩	Cs.	Price, ₩
SL.Swa3116	Swab For CR, Heavy-duty	50ea	78,300	2pk	144,980

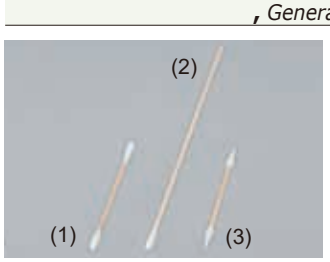


Apro® Clean Room Swab, Class 100, Double-Ended, 100% White Cotton-Tip, Various Tip Shape
With 3inch Paper Stick-Handle, Anti-static, Low-Lint, L75.5~83mm, **크린룸용 양면 면봉, 100% 순면 팁** 〈L3〉

■ ***Ideal for Clean work, Clean Room, Electronics, Laboratory***

			Pk.	Price, ₩	Cs.	Price, ₩
A7.BB001	(1)	Swab, Cotton, Tip : Φ3.2×14mm, Stick : Φ1.3×75.5mm	25ea	1,600	100pk	147,670
A7.BB002	(2)	: Φ2.6×14mm, Stick : Φ1.5×75.5mm	25ea	1,600	100pk	147,670
A7.BB003	(3)	: Φ3.0×11mm, Stick : Φ1.5×78mm	25ea	1,600	100pk	147,670
A7.CA002	(4)	: Φ4.4×15mm, Stick : Φ2.5×80mm	25ea	1,240	50pk	56,970
A7.CA003	(5)	: Φ5.0×13mm, Stick : Φ2.5×83mm	25ea	1,600	50pk	73,840

, *General Purpose*



High-quality Cotton/Rayon Swab, Length 75 & 150mm
With Wood-Handle, High-quality Cotton/Rayon - Tip, **고품질 레이온 면봉**

■ ***High-quality Swabs : Cotton / Rayon Mix Fabric, Non-LINT*** 〈L2〉

			Pk.	Price, ₩
SL.Swa3121	(1)	Swab, for CR, Cotton / Rayon Tip : Φ4.5×15mm, Stick : Φ2.5×L75mm	100ea	4,530
SL.Swa3122	(2)	: Φ4.5×15mm, Stick : Φ2.5×L150mm	100ea	5,700
SL.Swa3123	(3)	: Φ4.0×10mm, Stick : Φ2.3×L75mm	12ea	2,170

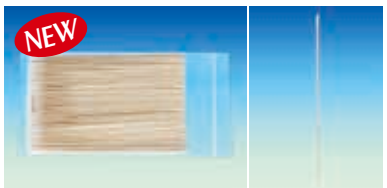


Cotton Swab, Double-ended, 100% Cotton-Tip, Paper Stick-Handle
Excellent Absorption, Length 146mm, Φ4.7mm Tip **종이핸들 면봉** 〈L2〉

		Pk.	Price, ₩	Cs.	Price, ₩
SL.Swa3106	Swab, Tip : Φ4.7×ℓ15mm, Stick : Φ2.5×ℓ146mm	100ea	6,070	10pk	56,130

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



Long Handle Precise Cotton Swab, Φ2.3mm Tip, for General Use
With Paper Handle, L160mm, 100pcs/Zipper bag, **얇은 코튼 팁 면봉**

■ ***특수 가공처리로 깨끗한 사용이 가능*** ■ ***위생적인 100% 순면 면봉*** 〈L2〉

∗ Good for Precisely Clean ∗ Tip : 100% Cotton(Cellulose) ∗ Handle : Paper

Cat. No	Description	Pk.	Price, ₩
SL.Swa3131	Swab, 100% Cotton, Tip : Φ2.3×16mm, Handle : Φ2.3×146mm	100ea	10,830

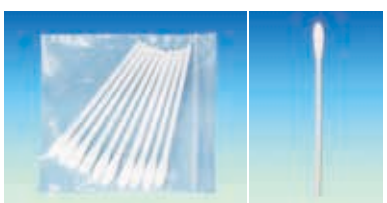


Long Handle Cotton-tipped Swab, Φ5.3mm Single-Tip, Autoclavable
With PP-Handle, L150mm, 100pcs/Zipper bag, **긴 핸들 면봉**

■ ***Supplied by DAIHAN Korea*** ∗ Long handle : Φ2.5×ℓ150mm, Heat resistant Polypropylene (PP) 〈B2〉

∗ Clean Single Tip : Φ5.3mm

Cat. No	Description	Pk.	Price, ₩
DH.SW01013	Swab, Tip : Φ5.3×20mm, Stick : Φ2.5×150mm	100ea	1,850



Large Cotton-tipped Swab, for Multi-use, Φ10×L20mm Cotton Tip · Single
With PP-Handle, L100mm, Autoclavable, **대형 다용도 면봉**

■ ***Supplied by DAIHAN Korea*** ∗ Large Heavy Duty-Type, Suitable for Medical as a Multi-purpose Use. 〈B2〉

∗ Clean Jumbo Tip : Φ10×ℓ20mm, PP-Handle : Φ3.5×ℓ100mm

Cat. No	Description	Pk.	Price, ₩
DH.SW01015	Swab, Tip : Φ10×30mm, Stick : Φ3.5×100mm	10ea	900

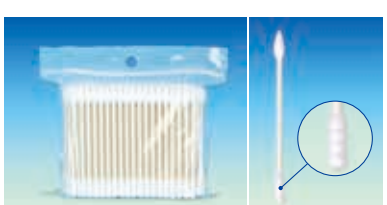


Long Wood Handle Cotton-tipped Applicator, Φ5mm Single Cotton Tip, Autoclavable
Ideal for Cleaning Long · Narrow Small Articles, L150mm, **나무 핸들 면봉**

■ ***Supplied by DAIHAN Korea*** ∗ Suitable for Cleaning Long/Narrow Small Articles like Test Tubes. 〈B2〉

∗ Single Cotton Tip : Φ5mm, Wood handle : Φ2.2×ℓ150mm

Cat. No	Description	Pk.	Price, ₩
DH.SW01017	Swab, Tip : Φ5×10mm, Wood handle : Φ2.2×150mm	100ea	880

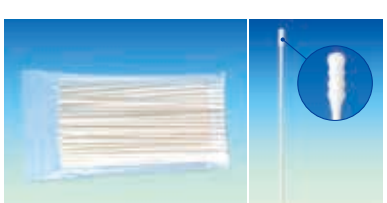


Paper Handle Cotton-tipped Swab, Double-Ended, L78mm, 2Tips Φ5.3mm
Ideal for Cleaning Mini-or Micro-Articles, 200pcs/Zipper bag, **종이 핸들 양면 다용도면봉**

■ ***Supplied by DAIHAN Korea*** 〈B2〉

∗ One Spiral-Shaped Tip & One Spearhead Tip-type, 2 Side Cotton-Tips : Φ5.3mm

Cat. No	Description	Pk.	Price, ₩
DH.SW01024	Swab, Cotton, Tip : Φ5×13mm, Stick : Φ2.4×78mm	200ea	2,520



Long Paper Handle One Cotton-tipped Swab, Multi-use, L150mm, 1Tip Φ5.3mm
With Antibacterial · Spiral-Shaped Cotton tip, 100pcs/Zipper Bag, **종이 핸들 나선면봉**

■ ***Supplied by DAIHAN Korea*** ∗ Long Paper handle : Φ3×ℓ150mm 〈B2〉

∗ Antibacterial Spiral-Shaped Cotton tip : Φ5.3×ℓ14mm

Cat. No	Description	Pk.	Price, ₩
DH.SW01023	Swab, Tip : Φ5.3×14mm, Stick : Φ3×150mm	100ea	2,520



Cotton Micro Point Head Swab, with Wood Handle, L76mm, Autoclavable
Ideal for Cleaning Micro-Articles or Electronic Components or Chips, **미니 면봉**

■ ***Supplied by DAIHAN Korea*** ∗ Micro-type Swabs, Suitable for Cleaning Micro-Articles 〈B2〉

∗ Tip : Micro Point Head/Thin/Pointed ∗ Stick : Wood Handle

Cat. No	Description	Pk.	Price, ₩
DH.SW01022	Swab, Micro Point Head, Tip : Φ1.5×6mm, Stick : Φ2.1×76mm	100ea	900

Articles | Cat. No | Description



1~50㎖ Single-use Medical Syringe PP, with Rubber Gasket & Needle, *Medicaluse*

Steriled, Individual Pack, PP 의료용 일회용주사기, 고무가스켓 부착형

■ ***Made in Korea*** ■ ***CE Certified*** ■ ***GMP(Good Manufacturing Practice) Certified*** ■ ***ISO9001 and ISO13485***

∗ Application : Rubber Gasket on the Plunger, Ideal for Medical ∗ Sterilized by E.O Gas

∗ Graduations PP-Barrel and PP-Plunger, Needle Included, Sterile Individual Packaging

〈M3〉

		Pk.	Price, ₩
DM.Syr3051	Slip Tip, 1 / 0.01㎖, 26G	100ea	7,470
DM.Syr3052	, 2 / 0.1㎖, 23G	100ea	7,040
DM.Syr3053	, 3 / 0.1㎖, 23G	100ea	7,040
DM.Syr3054	, 5 / 0.2㎖, 23G	100ea	8,420
DM.Syr3055	Slip Tip, 10 / 1㎖, 23G	100ea	12,120
DM.Syr3056	, 20 / 1㎖, 23G	50ea	9,670
DM.Syr3057	, 30 / 1㎖, 21G	50ea	15,040
DM.Syr3058	, 50 / 1㎖, 21G	25ea	9,250



1~50㎖ Filtered Single-use Medical Syringe PP, with Filter Needle, Rubber Gasket, *Medicaluse*

With 5㎛ Membrane Filter Needle, Steriled, Individual Pack, PP 의료용 필터주사기

■ ***Made in Korea*** ■ ***CE Certified*** ■ ***GMP(Good Manufacturing Practice) Certified*** ■ ***ISO9001 and ISO13485***

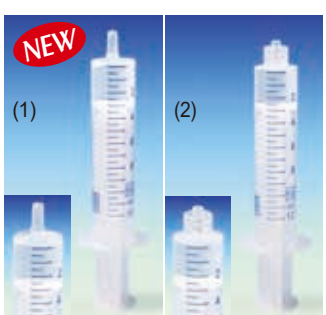
■ ***필터주사침과 일반주사침이 같이 들어있는 주사기, 약액을 흡입시 필터 주사침으로 이물질을 걸러내고 일반 주사침으로 주사한다.***

∗ Application : Rubber Gasket on the Plunger, Ideal for Medical ∗ Sterilized by E.O Gas

∗ Graduations PP-Barrel and PP-Plunger, Filter Needle & Needle Included, Sterile Individual Packaging

〈M3〉

		Pk.	Price, ₩
DM.Syr3071	Syringe, Filter Needle, Slip Tip, 1 / 0.01㎖, 26G	100ea	29,540
DM.Syr3072	, 3 / 0.1㎖, 23G	100ea	29,470
DM.Syr3073	, 5 / 0.2㎖, 23G	100ea	29,540
DM.Syr3074	, 10 / 1㎖, 23G	100ea	29,630
DM.Syr3075	, 20 / 1㎖, 23G	50ea	16,570
DM.Syr3076	, 30 / 1㎖, 21G	50ea	18,290
DM.Syr3077	, 50 / 1㎖, 21G	25ea	9,250





Package : DH.Syr3002~3005

2~50㎖ Laboratory Syringe without Rubber Gasket & Needles, ALL-PP or PP/HDPE, 2 Parts

Reuseable or Disposable, Steriled, Individual Pack, 무공해 랩 시린지, PP, 고무가스켓 없음, 재사용 가능

■ ***용매와 약품에 약한 고무가스켓이 없는 랩용 무공해 주사기, 일회용 혹은 재사용 가능***

■ ***Application : No Rubber Gasket on the Plunger, No-Pollution type Syringe***

■ ***Wisd™ (DH.Syr~); Consist of PP-Barrel and PP-Plunger (125/140℃), Excellent Chemical Resistance***

■ ***Henke-Ject® (N7.A~); Consist of PP-Barrel (125/140℃) and HDPE-Plunger (105/125℃)***

∗ Ideal for Multi-use in Laboratory

∗ Stable in the Experiment : Silicone Oil- / Synthetic Oil-Free

∗ Needles is Not Included

〈L5〉

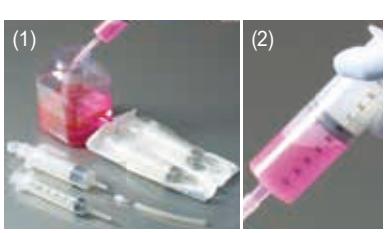
(1) *Wisd*™ Luer Tip type NEW

		Pk.	Price, ₩
DH.Syr3002	**ALL PP** Luer Tip , 2 / 0.1㎖	200ea	15,300
DH.Syr3003	, 5 / 0.2㎖	150ea	18,400
DH.Syr3004	, 10 / 0.5㎖	100ea	15,200
DH.Syr3005	, 20 / 1㎖	50ea	12,950
N7.A30	PP / HDPE Luer Tip, 30 / 1㎖	50ea	52,000
N7.A50	, 50 / 2㎖	30ea	36,250

(2) Henke-ject® Luer Lock Tip type

∗ N7.~ ; Germany-made

		Pk.	Price, ₩
N7.AL03	PP / HDPE Luer Lock Tip, 3 / 0.1㎖	100ea	26,250
N7.AL05	, 5 / 0.2㎖	100ea	33,500
N7.AL10	, 10 / 0.5㎖	100ea	39,880
N7.AL20	, 20 / 1㎖	100ea	53,500
N7.AL30	, 30 / 1㎖	50ea	55,000
N7.AL50	, 50 / 2㎖	30ea	46,880



Burkle® 50 & 100㎖ PP Sterile Sampling Syringe, Graduated

With Luer Adapter(for 100㎖), Individually Packed, −10℃+125/140℃, 살균 샘플 시린지

■ ***Supplied by Burkle® in Germany***

∗ The syringe is used to take sterile samples and store them.

∗ The syringe can be extended to any length with additional tubing.

〈L1〉

		Ea.	Price, ₩	Cs.	Price, ₩
BK.5325.0060	(1) PP Sterile Sampling Syringe, 50 / 1㎖	6,400		10ea	59,220
BK.5325.0100	(2) , 100 / 2㎖, with Luer Adapter	19,070		10ea	176,500

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



Single-Use Medical Hypodermic Needle, Stainless-steel, 21~27 Gauge, *Medicaluse*

E.O Steriled, Individual Pack, <Korea-Made> 일회용 멸균 주사침 · 일반 주사침

■ 국제 기준에 따른 세밀한 가공으로 부드러운 삽입 가능 ■ CE, GMP, ISO9001 and ISO13485

〈M3〉

		Pk.	Price, ₩
DM.Nee3001	Needle, Individual Pack, Tip Φ0.81×L32 mm, 21G, Green	100ea	3,300
DM.Nee3002	, Tip Φ0.71×L32 mm, 22G, Black	100ea	3,300
DM.Nee3003	, Tip Φ0.64×L25 mm, 23G, Blue	100ea	3,300
DM.Nee3004	, Tip Φ0.56×L19 mm, 24G, Violet	100ea	3,300
DM.Nee3005	, Tip Φ0.51×L25 mm, 25G, Orange	100ea	3,300
DM.Nee3006	, Tip Φ0.46×L13 mm, 26G, Beige	100ea	3,300
DM.Nee3007	, Tip Φ0.41×L13 mm, 27G, Gray	100ea	3,300



Stainless-steel Needle, Luer-Lock Tip, 니들, 주사바늘

■ 바늘 끝 각도 : 12°/18° ■ 재질 : 18-8 스테인레스

〈L2〉

Cat. No.	Needle O.D×Length(mm)	Needle Gauge	Needle-tip Angle	Pk.	Price, ₩
SL.Syr7021	Φ0.6×L26	23G	12°	12ea	34,370
SL.Syr7022	Φ0.7×L33	22G	18°	12ea	34,370

INCYTO® Hollow Micro-needle, Disposable, Immunology, Toxicology, Ophthalmology, Entomology

For Animals, Luer Tip, Tip O.D 38G(130㎛), Length 18mm with 3mm Micro-tip, 38G 마이크로 니들



Pack



■ Versatile Applications : Immunology, Toxicology, Ophthalmology, Entomology
■ Failsafe Infusion / Animal Care
* No Waste of Infusion * No Need Vasodilation * Sterilized Package

〈L3〉

		Pk.	Price, ₩
I5.38GMB	Micro-needle, Tip O.D 38G, Length 18mm with 3mm Micro-tip	6ea	101,250



HSW® PC/Silicone Luer to Luer-Lock Tip Adapter, Conversion-type, 루어락 팁 어댑터

■ 표준 루어 팁을 루어락 팁으로! * Material : Main Part/PC(Polycarbonate), Stem Part /Silicone Rubber
* Ideal for Use Luer Lock Needle * Suitable for Connection Standard Luer Syringe and Luer.

〈L2〉

		Ea.	Price, ₩	Pk.	Price, ₩
SL.Ada3091	Luer to Luer-Lock Tip Adapter, PC/Silicone	4,520		10ea	44,830



Intravascular Catheter, with Needles, Individual EO Sterile Package, *Medicaluse*

Ideal for Short-term Medication Injection, Blood Collection, 혈관내튜브 · 정맥카테터



Comfortable Fit

■ Made in Korea ■ 환자의 혈관에 단기간(24시간 이내) 삽입하여 약물 주입 및 혈액 채취에 사용됨
■ Teflon 튜브재질로 환자의 혈관에 손상을 입히지 않고 채혈/수혈에 용이
■ Complete Set with : (1) Herb Tube (K-Resin Herb/Teflon Tube), (2) Needle (K-Resin Herb/Stainless-steel Needle), (3) Case (PP)
* Tube : Non-Toxic(무독성) · Non-Pyrogenic(비발열성) · Radiopaque Teflon(방사선 비투과 테프론)

〈M3〉

		Pk.	Price, ₩
DM.Ned0018	Intravascular Catheter, Sterile, with 18 Gauge Needle, Herb Tube-1.3×32mm	50ea	19,500
DM.Ned0020	, with 20 Gauge Needle, -1.1×32mm	50ea	19,340
DM.Ned0022	, with 22 Gauge Needle, -0.9×25mm	50ea	19,340
DM.Ned0024	, with 24 Gauge Needle, -0.7×19mm	50ea	18,530



LANZO® Adjustable Lancing Device for Blood Testing, 5 Depth Control, *Medicaluse*

Works with Lancets, Ideal for Blood Test, Avoid Infection, Safety, Φ16×L106mm, 채혈기/사혈기

■ Made in Korea ■ CE Marked ■ 소량의 채혈 및 사혈을 위해 전용 침(란셋)을 넣어 사용하는 기구, 침 깊이 5단 조절
* Specially Designed for the Highest Comfort in Daily Diabetes Management
* Adjustable 5 depth Tip Settings for Personalized Comfort * Painless and Hygienic

〈M4〉

		Ea.	Price, ₩
DM.Lan3001	Medical Blood Lancing Device, for Blood Test, Φ16×L106mm		3,130



Safety Sterile Lancet, with Safety Removable Twist Top, Blood Collection, Single Use, *Medicaluse*

3mm Depth Needle, Gauge 26G · 28G · 30G, 일회용 멸균 채혈침

■ Made in Korea ■ 소량의 채혈 및 사혈을 위한 수동식 멸균침 ■ 안전한 트위스트형 보호캡
* Designed for Comfortable, Easy Monitoring Your Daily Health.

〈M4〉

		Pk.	Price,₩	Cs.	Price, ₩
DM.Lan7001	Safety Lancet, d3mm Needle, 26G	200ea	2,980	100pk	297,500
DM.Lan7002	, 28G	200ea	2,980	100pk	297,500
DM.Lan7003	, 30G	200ea	2,980	100pk	297,500

Articles	Cat. No	Description



(1)



(2)

Topsyringe® *TRÜTH™* Precision Glass Syringe, 0.25~1㎖
With Luer/Luer-Lock Tip, ISO/CE Certified, **정밀형 글라스 시린지**

■ ISO 9001 & 13485 Certified ***■ Syringes confirmed to ISO 594/1 ; 595/2***
■ Made of Borosilicate Heat Resistant Glass.
■ Widely used in Clinical and Research Procedures for the Administration of Precise Low Volume Doses.
■ Cylinder Plunger Fit meets the Requirement of Federal Specifications GG-S-92 Ib/A-A-54840/ISO 7886.
■ Fabricated of Chemically resistant Borosilicate Glass with Easy to Read Accurate Permanent Calibration Lines.

∗ Autoclavable ∗ Available in Standard Tip Style of All Glass Slip, Metal Luer Lock.
∗ Thoroughly Checked for Any Leakage or Backflow and for Smooth Plunger Movement.
∗ Offer Clarity, Physical Strength, Chemical Inertness and Safety that are assured with Glass.
∗ Luer-Tip and Luer-Lock Tip of Syringe are manufactured as per International Standard ISO 594/1.

〈L1〉

(1) with Glass Luer-Tip, 0.25~1.0㎖

		Pk.	Price, ₩	Cs.	Price, ₩
TS.0401.0101	Glass Syringe, Precision, w/Glass Luer Tip, 0.25㎖, Divi. 0.01㎖	1ea	31,990	10pk	309,970
TS.0402.0101	, 0.5㎖, Divi. 0.01㎖	1ea	24,050	10pk	232,820
TS.0404.0101	, 1㎖, Divi. 0.01㎖	1ea	12,840	10pk	124,270

(2) with Metal Luer-Lock Tip, 1.0㎖

		Pk.	Price, ₩	Cs.	Price, ₩
TS.0404.0201	Glass Syringe, Precision, w/Metal Luer-Lock Tip, 1㎖, Divi. 0.01㎖	1ea	24,330	10pk	235,430



(1), (2)



(3), (4)

Topsyringe® *TRÜTH™* Standard Glass Syringe, 2~100㎖
With Luer/Luer-Lock Tip, with Amber Graduation, ISO/CE Certified, **글라스 시린지**

■ ISO 9001 & 13485 Certified ***■ Confirmed to ISO 594/1 ; 595/2*** ***■ Made of Borosilicate Heat Resistant Glass.***
■ Cylinder Plunger Fit meets the Requirement of Federal Specifications GG-S-92 Ib/A-A-54840/ISO 7886.
■ Syringes are inspected Individually for any Defects in Glass and it's Annealing.

∗ Available in Standard Tip Style of All Glass Slip, Metal Luer Lock. ∗ Autoclavable
∗ Thoroughly Checked for Any Leakage or Backflow and for Smooth Plunger Movement.
∗ Offer Clarity, Physical Strength, Chemical Inertness and Safety that are assured with Glass.
∗ Barrel and Plunger are carefully engineered for Snug Fit and are Precisely Calibrated for Accurate Dosage.
∗ Luer-Tip and Luer-Lock Tip of Syringe are manufactured as per International Standard ISO 594/1.

〈L1〉

(1) with Glass Luer-Tip, Standard-type, 2~100㎖

		Pk.	Price, ₩	Cs.	Price, ₩
TS.0105.0104	Glass Syringe, w/Glass Luer Tip, 2㎖, Divi. 0.1㎖	1ea	2,580	10pk	24,740
TS.0108.0105	, 5㎖, Divi. 0.2㎖	1ea	3,350	10pk	32,020
TS.0109.0105	, 10㎖, Divi. 0.2㎖	1ea	4,240	10pk	40,730
TS.0110.0110	, 20㎖, Divi. 0.5㎖	1ea	6,880	10pk	66,320
TS.0111.0107	, 30㎖, Divi. 1.0㎖	1ea	15,330		
TS.0113.0110	, 50㎖, Divi. 5.0㎖	1ea	30,590		
TS.0115.0110	, 100㎖, Divi. 5.0㎖	1ea	89,900		

(2) with Glass Luer-Tip, Smooth-type(LOR), 2~100㎖

		Pk.	Price, ₩	Cs.	Price, ₩
TS.0305.0104	Glass Syringe, w/Glass Luer Tip, Smooth-type(LOR), 2㎖, Divi. 0.1㎖	1ea	5,800	10pk	55,840
TS.0308.0105	, 5㎖, Divi. 0.2㎖	1ea	6,630	10pk	63,970
TS.0309.0105	, 10㎖, Divi. 0.2㎖	1ea	8,280	10pk	79,950
TS.0310.0106	, 20㎖, Divi. 0.5㎖	1ea	11,580	10pk	111,920
TS.0313.0110	, 50㎖, Divi. 5.0㎖	1ea	41,980		
TS.0315.0110	, 100㎖, Divi. 5.0㎖	1ea	111,480		

(3) with Metal Luer-Lock Tip, Standard-type, 2~100㎖

∗ Designed to Prevent Tip Portion from Accidental Chipping or Breakage

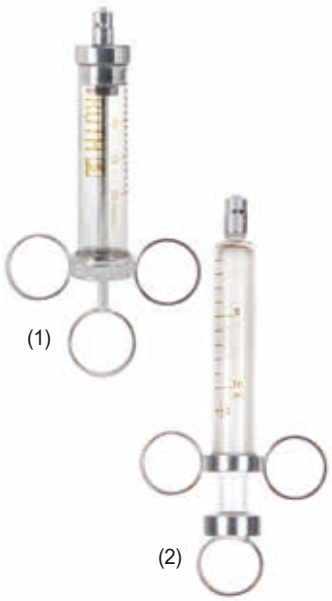
		Pk.	Price, ₩	Cs.	Price, ₩
TS.0105.0204	Glass Syringe, w/Metal Luer-Lock Tip, 2㎖, Divi. 0.1㎖	1ea	4,990	10pk	48,000
TS.0108.0205	, 5㎖, Divi. 0.2㎖	1ea	5,270	10pk	50,900
TS.0109.0205	, 10㎖, Divi. 0.2㎖	1ea	6,340	10pk	61,080
TS.0110.0210	, 20㎖, Divi. 0.5㎖	1ea	9,930	10pk	95,940
TS.0111.0207	, 30㎖, Divi. 1.0㎖	1ea	16,750		
TS.0113.0210	, 50㎖, Divi. 5.0㎖	1ea	34,190		
TS.0115.0210	, 100㎖, Divi. 5.0㎖	1ea	97,120		

(4) with Metal Luer-Lock Tip, Smooth-type(LOR), 2~100㎖

		Pk.	Price, ₩	Cs.	Price, ₩
TS.0305.0204	Glass Syringe, w/Metal Luer-Lock Tip, Smooth-type(LOR), 2㎖, Divi. 0.1㎖	1ea	7,680	10pk	74,130
TS.0308.0205	, 5㎖, Divi. 0.2㎖	1ea	8,590	10pk	82,850
TS.0309.0205	, 10㎖, Divi. 0.2㎖	1ea	9,490	10pk	91,580
TS.0310.0206	, 20㎖, Divi. 0.5㎖	1ea	16,200	10pk	156,950
TS.0313.0210	, 50㎖, Divi. 5.0㎖	1ea	56,220		
TS.0315.0210	,100㎖, Divi. 5.0㎖	1ea	143,080		

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



Topsyringe® *TRÜTH™* Control Glass Syringe, with 3 Finger Ring, 10~50㎖
With Metal Luer Lock Tip, Glass/Metal Piston, ISO/CE Certified, **컨트롤 글라스 시린지**

■ ISO 9001 & 13485 Certified ***■ Syringes confirmed to ISO 594/1; 595/2***
■ The 3 Ring offers better Grip while Holding the Syringe and Administering the Dose.
■ Graduated Glass Syringe with Precision Cut.
∗ Autoclavable ∗ Luer Lock attachment to Secure Needle.
∗ Solid Glass / Metal Version. Ground-in Piston with 'O' Ring made of Stainless steel.
∗ Plunger and Glass Syringes can be interchanged as desired
∗ The Stainless steel Piston Glass Syringes is Transparent.
∗ There is no Danger of Breakage if Glass Syringe is not taken to Pieces for Sterilizing.
∗ Luer-Lock Tip of Syringe are manufactured as per International Standard ISO 594/1.

〈L1〉

(1) with 3 Finger Ring, with Metal Piston, 10~50㎖

		Pk.	Price, ₩
TS.1930.0205	Control Glass Syringe, w/Metal Piston, 10㎖, Divi. 0.2㎖	1ea	90,940
TS.1931.0207	, 20㎖, Divi. 1.0㎖	1ea	120,880
TS.1932.0208	, 50㎖, Divi. 2.0㎖	1ea	387,180

(2) with 3 Finger Ring, with Glass Piston, 10~50㎖

		Pk.	Price, ₩
TS.1909.0205	Control Glass Syringe, w/Glass Piston, 10㎖, Divi. 0.2㎖	1ea	36,220
TS.1910.0207	, 20㎖, Divi. 1.0㎖	1ea	66,420
TS.1913.0207	, 50㎖, Divi. 1.0㎖	1ea	193,640

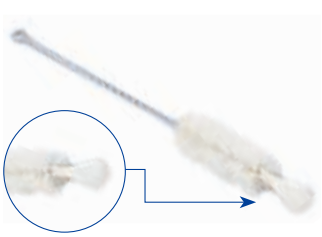


Topsyringe® *TRÜTH™* Record Glass Syringe, Metal Record Tip, 1~50㎖
With Stainless Steel Piston & Rubber Ring, ISO/CE Certified, **글라스/메탈 시린지**

■ ISO 9001 & 13485 Certified
■ Fulfill the Demands of Veterinary Application in Simplicity and Reliability in Every Way.
■ Syringes confirmed to ISO 594/1; 595/2 ***■ Graduated Glass Syringe with Precision Cut.***
∗ Autoclavable ∗ Plunger and Glass Syringes can be interchanged as Desired.
∗ Transparent and Even after Long Use shows no Sign of Wear, as does the Stainless Steel Plunger.
∗ There is no Danger of Breakage if Glass Syringe is not taken to Pieces for Sterilizing.
∗ The Plunger is Smooth and so ensures Enhanced Tightness.

〈L1〉

		Pk.	Price, ₩
TS.1704.2101	Record Glass Syringe, w/Metal Record Tip, 1㎖, Divi. 0.01㎖	1ea	19,670
TS.1705.2101	, 2㎖, Divi. 0.01㎖	1ea	21,830
TS.1708.2105	, 5㎖, Divi. 0.2㎖	1ea	23,830
TS.1709.2106	, 10㎖, Divi. 0.5㎖	1ea	47,770
TS.1710.2107	, 20㎖, Divi. 1.0㎖	1ea	64,900
TS.1713.2107	, 50㎖, Divi. 1.0㎖	1ea	93,370



Laboran® Syringe Brush, Gentle Cleaning for Syringe, Φ21~30mm
Made of Steel Wire, with Horse Hair & Special Both Hair, L200~300mm, **시린지용 브러쉬**

〈L2〉

∗ Ideal for Cleaning Syringe

		Ea.	Price, ₩	Pk.	Price, ₩
SL.Bru3095	Syringe Brush, Bristle L125×Φ21, Total L200mm	2,930		11ea	29,720
SL.Bru3096	L150×Φ25, Total L260mm	3,850		11ea	39,100
SL.Bru3097	L165×Φ30, Total L300mm	4,620		11ea	46,920

SGE® Gas Tight Micro Syringe, Fixed Needle · Removable Needle · Fixed Luer Lock-type, 10~500㎕ & 1~100㎖
Made of Borosilicate Glass, 가스 타이트 시린지

- ***Made in Australia***
- ***10㎕ to 100 ㎖ capacities.***
- ***Accuracy & reproducibility : ±1 %***
- ***Replaceable plungers on all models***
- ***Replace Hamilton 1000 and 1700 Series syringe***



(1) Fixed Needle Type



(2) Removable Needle Type



(3) Luer Lock Type

(1) Fixed Needle Type Gas Tight Syringe

〈L3〉

Part No.	Volume	Length (mm)	Gauge	o.d(mm)	Tip Style	Syringe Code	Ea. Price, ₩
SE.002200	10 ㎕	50	26	0.47	Bevel	10F-GT	59,190
SE.002208	10 ㎕	70	26	0.47	Bevel	10F-GT-7	81,640
SE.003200	25 ㎕	50	25	0.50	Bevel	25F-GT	80,980
SE.004200	50 ㎕	50	25	0.50	Bevel	50F-GT	83,130
SE.005200	100 ㎕	50	25	0.50	Bevel	100F-GT	91,620
SE.006200	250 ㎕	50	25	0.50	Bevel	250F-GT	94,440
SE.007200	500 ㎕	50	25	0.50	Bevel	500F-GT	96,930
SE.008102	1 ㎖	50	22	0.72	Bevel	1MDF-GT	102,590
SE.008502	2.5 ㎖	50	22	0.72	Bevel	2.5MDF-GT	102,590

(2) Removable Needle Type Gas Tight Syringe

Part No.	Volume	Length (mm)	Gauge	o.d(mm)	Tip Style	Syringe Code	Needle Part No.	Ea. Price, ₩
SE.002250	10 ㎕	50	26	0.47	Bevel	10R-GT	037110	99,750
SE.003250	25 ㎕	50	25	0.50	Bevel	25R-GT	038110	99,090
SE.004250	50 ㎕	50	25	0.50	Bevel	50R-GT	038110	96,270
SE.005250	100 ㎕	50	25	0.50	Bevel	100R-GT	038110	106,400
SE.006250	250 ㎕	50	25	0.50	Bevel	250R-GT	038110	107,080
SE.007250	500 ㎕	50	25	0.50	Bevel	500R-GT	038110	115,050
SE.008100	1 ㎖	50	23	0.63	Bevel	1MDR-GT	039110	132,680
SE.008500	2.5 ㎖	50	23	0.63	Bevel	2.5MDR-GT	039110	132,340
SE.008700	5 ㎖	50	23	0.63	Bevel	5MDR-GT	031516	150,470
SE.008900	10 ㎖	50	23	0.63	Bevel	10MDR-GT	031516	177,570

Spare Syringe Needle

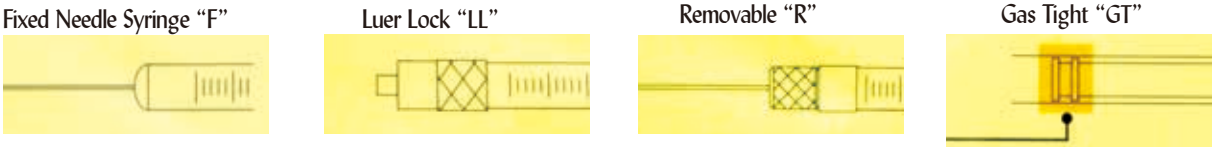
		Pk.	Price, ₩
SE.037110	Syringe Needle, for 10 ㎕ (26G)	5ea	70,670
SE.038110	, for 25 ㎕ ~ 500 ㎕ (25G)	5ea	70,670
SE.039110	, for 1 ㎖ ~ 2.5 ㎖ (23G)	5ea	70,670
SE.031516	, for 5 ㎖ ~ 10 ㎖ (23G)	5ea	62,850

(3) Luer Lock Type Gas Tight Syringe

Part No.	Volume	Length (mm)	Gauge	o.d(mm)	Tip Style	Syringe Code	Ea. Price, ₩
SE.004230	50 ㎕	-	-	-	-	50F-LL-GT	91,620
SE.005230	100 ㎕	-	-	-	-	100F-LL-GT	97,430
SE.006230	250 ㎕	-	-	-	-	250F-LL-GT	94,440
SE.007230	500 ㎕	-	-	-	-	500F-LL-GT	109,400
SE.008025	1 ㎖	-	-	-	-	1MDF-LL-GT	111,570
SE.008425	2.5 ㎖	-	-	-	-	2.5MDF-LL-GT	109,400
SE.008762	5 ㎖	-	-	-	-	5MDF-LL-GT	107,740
SE.008960	10 ㎖	-	-	-	-	10MDF-LL-GT	128,690
SE.009463	25 ㎖	-	-	-	-	25MDR-LL-GT	318,540
SE.009660	50 ㎖ (Removable Luer Fiting)			-	-	50MR-LL-GT	396,680
SE.009760	100 ㎖ (Removable Luer Fiting)			-	-	100MR-LL-GT	592,850

Syringe Selection Guide

Terminations : Fixed Needle Syringe "F" | Luer Lock "LL" | Removable "R" | Gas Tight "GT"

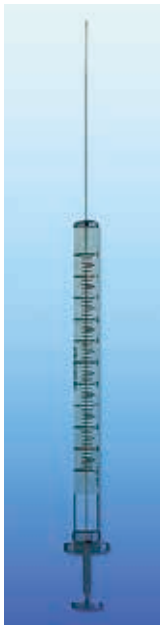


Needle Selection : Bevel Needle Tip "BV" | Cone Needle Tip "C" | HPLC Needle Tip "LC" | Side-Hole Needle Tip "H"



※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles | Cat. No | Description



(1) Fixed Needle Type Manual GC Syringe



(2) Removable Needle Type Manual Syringe

SGE® Manual Standard GC Syringe, 5~500㎕

■ ***Made in Australia***
∗ 5㎕ to 500㎕ capacities.

■ ***Fixed-needle or Removable-needle Versions For Gas Chromatography***
∗ Accuracy & reproducibility : ±1 %
∗ Replace Hamilton 700 Series syringe

(1) Fixed Needle Type Manual GC Syringe

Needle Specifications 〈L3〉

Part No.	Volume	Length (mm)	Gauge	o.d(mm)	Tip Style	Syringe Code	Ea. Price, ₩
SE.001000	5 ㎕	50	26	0.47	Bevel	5F	69,500
SE.002000	10 ㎕	50	26	0.47	Bevel	10F	38,920
SE.003000	25 ㎕	50	25	0.50	Bevel	25F	60,190
SE.004000	50 ㎕	50	25	0.50	Bevel	50F	79,800
SE.005000	100 ㎕	50	25	0.50	Bevel	100F	70,830
SE.006000	250 ㎕	50	25	0.50	Bevel	250F	91,620
SE.007000	500 ㎕	50	25	0.50	Bevel	500F	97,430

(2) Removable Needle Type Manual Syringe

Needle Specifications

Part No.	Volume	Length (mm)	Gauge	o.d(mm)	Tip Style	Syringe Code	Needle Part No.	Ea. Price, ₩
SE.001050	5 ㎕	50	26	0.47	Bevel	5R	036110	94,100
SE.002050	10 ㎕	50	26	0.47	Bevel	10R	037110	75,490
SE.003050	25 ㎕	50	25	0.50	Bevel	25R	038110	90,450
SE.004050	50 ㎕	50	25	0.50	Bevel	50R	038110	90,450
SE.005050	100 ㎕	50	25	0.50	Bevel	100R	038110	96,770
SE.006050	250 ㎕	50	25	0.50	Bevel	250R	038110	136,000
SE.007050	500 ㎕	50	25	0.50	Bevel	500R	038110	141,820

Spare Syringe Needle

		Pk.	Price, ₩
SE.036110	Syringe Needle, for 5 ㎕	5ea	75,820
SE.037110	, for 10 ㎕	5ea	70,670
SE.038110	, for 25 ㎕ to 500 ㎕	5ea	70,670



(1) Fixed Needle Type HPLC Syringe



(2) Removable Needle Type HPLC Syringe

SGE® HPLC Syringe for Rheodyne and Valco Valve, 5~500㎕

■ ***Made in Australia***

(1) Fixed Needle Type

Needle Specifications 〈L3〉

Part No.	Volume	Length (mm)	Gauge	o.d(mm)	Tip Style	Syringe Code	Ea. Price, ₩
SE.001301	5 ㎕	2	22	0.028	LC	5F-LC	78,140
SE.002301	10 ㎕	2	22	0.028	LC	10F-LC	60,530
SE.003300	25 ㎕	2	22	0.028	LC	25F-LC	72,990
SE.004300	50 ㎕	2	22	0.028	LC	50F-LC	68,500
SE.005300	100 ㎕	2	22	0.028	LC	100F-LC	70,830
SE.006300	200 ㎕	2	22	0.028	LC	250F-LC	94,440
SE.007300	500 ㎕	2	22	0.028	LC	500F-LC	112,730

(2) Removable Needle Type

Needle Specifications

Part No.	Volume	Length (mm)	Gauge	o.d(mm)	Tip Style	Syringe Code	Needle Part No.	Ea. Price, ₩
SE.001310	5 ㎕	2	22	0.028	LC	5R-LC	036250	88,950

Spare Syringe Needle

		Pk.	Price, ₩
SE.036250	Syringe Needle, for 5 ㎕	5ea	75,820
SE.037250	, for 10 ㎕	5ea	70,670

Articles	Cat. No	Description

DAIHAN® Digital Pro-Tachometer "TAC3", Contact & Non-Contact 2 in 1 Meter, 10.0~99,999rpm, Auto Power off in 20min

Non-Contact type with Red LED-Beam, Contact type with Convex Tip or Concave Tip, **프로급 타코미터, 접촉/비접촉 겸용**



Digital Pro-Tachometer

(A) (B) (C)

■ ***Supplied by DAIHAN Korea*** ∗ Three Steps to Switch Operation Mode

∗ Speed Units are Selectable in Contact Mode : rpm, m.min, ft/min, yd/min

Specifications & Ordering information

〈L1〉

Spec. \ Model	DH.TAC3
3×Measuring Range	(1) Rotation (Non-contact) : 10.0 ~ 99999rpm (2) Rotation (Contact) : 10.0 ~ 19999rpm (3) Surface Speed (Contact) : 1.0000 ~ 9999.9M/Min.
Accuracy / Measuring Distance	±(0.1% of rdg. +2digit) / 5 ~ 30cm (Non-contact)
Resolution	rpm : 0.001 / 0.01 / 0.1 / 1, Others : 0.0001 / 0.001 / 0.01 / 0.1
Time Base & Sampling Time	4.0Mhz Quartz Crystal / 1sec.(> 60rpm), > 1sec.(10-60rpm)
Dimension / Weight(g)	165×51×h32mm (LCD Size : 15×33 mm) / 90g
Standard Package	Meter / Battery / Manual / Reflective Tape / Convex Tip / Concave Tip
Cat. No. & Price ₩	DH.Tac3003 ₩ 163,240 / Set

Spare Accessories

		Ea. Price, ₩
DH.Tac3003.1	(A) Convex Tip for contact Rotate Speed Use	1,990
DH.Tac3003.2	(B) Concave Tip for contact Rotate Speed Use	1,990
DH.Tac3003.3	(C) Reflective Tape for Non-Contact Rotate Speed, 16×600mm	4,020

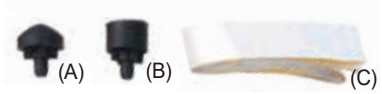
DAIHAN® Digital Pocket Tachometer "TAC5" & "TAC7", Contact or Non-Contact 2-type, 10~99999rpm, Auto Power off in 20min

Non-Contact type with Red LED-Beam, Contact type with Convex Tip or Concave Tip, Hold Function, **접촉식 or 비접촉식 타코미터**

Non-Contact type
(DH.TAC5)



Contact type
(DH.TAC7)



(A) (B) (C)

■ ***Supplied by DAIHAN Korea*** ∗ Speed Units are Selectable in Contact Mode : RPM, M/Min, Ft/Min, Yd/Min

∗ Contact Type : Straight-line Contact with the Center of the Rotating Body

∗ Non-contact Type : Reflective Tape Affixed to an Object and Measuring the Rotation. (50 to 150mm)

Specifications & Ordering information

〈L1〉

Spec. \ Model	DH.TAC5	DH.TAC7
Measure Range	Rotation(Non-contact) : 10.0 ~ 99999rpm	Rotation(Contact) : 10.0 ~ 19999rpm, Surface Speed(Contact) : 1.000~9999.9M/Min
Accuracy	± (0.1% of rdg. +2digit)	
Resolution	rpm : 0.001 / 0.01 / 0.1 / 1, Others : 0.0001 / 0.001 / 0.01 / 0.1	
Measure Distance	5~30cm	Contact
Power Consumption / Time Base	5uA(Idle), 18mA(Measurement) / 4.0Mhz Quartz Crystal	
Sampling Time / LCD Size	1Second(> 60RPM), > 1Second(10~60RPM) / 33×h15mm	
Battery	1×9V Battery	
Dimension / Weight(g)	124×50×h33mm / ~80g	149×50×h33mm / ~85g
Standard Package	Meter / Battery / Manual / Paper Box / Reflective Tape / Convex Tip / Concave Tip	
Cat. No. & Price ₩	DH.Tac3005 ₩ 92,600 / Set	DH.Tac3007 ₩ 91,370 / Set

Spare Accessories

		Ea. Price, ₩
DH.Tac3003.1	(A) Convex Tip for contact Rotate Speed Use	1,990
DH.Tac3003.2	(B) Concave Tip for contact Rotate Speed Use	1,990
DH.Tac3003.3	(C) Reflective Tape for Non-Contact Rotate Speed, 16×600mm	4,020

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description

3M® Steri-Strip™ Medical Reinforced Skin Closure, Hypoallergenic Adhesive, Wound Support, w6 & 12×L100mm, *Medicaluse*
Sterile, Breathable, Comfortable to Wear, Non-Invasive Design, **병원용 멸균 피부봉합 반창고**





■ ***필라멘트가 들어가 있어 강한 장력을 제공; 흉터형성이 적음, 착용감 편함***
■ ***Ideal for Surgical Lacerations and the Closure of Lacerations***
■ ***A Sterile, Breathable Adhesive Strip Reinforced with Polymer Filaments, for Strong, Reliable Closure of Incisions and Skin Lacerations.***
∗ Easy to Apply ∗ Allows Early Staple or Suture Removal
∗ Provides Wound Support
∗ Increases the Tensile Strength of the Wound, Compared to Sutures
∗ Non-invasive & Sterile Design Reduces Scarring and the Risk for Infection

〈M4〉

		Pk.	Price, ₩	Cs.	Price, ₩
3M.07.1546	Steri-Strip, Reinforced Skin Closure, w6mm ×L100mm	50ea	75,290	4pk	292,120
3M.07.1547	, w12mm×L100mm	50ea	75,290	4pk	292,120

3M® Tegaderm™ Medical Transparent Film Dressing/Bandage, Frame Style, Easy Monitoring of Wounds, *Medicaluse*
Hypoallergenic, Waterproof, Versatility, **병원용 투명 방수 필름 드레싱/밴디지**





■ ***투명하여 Wound와 IV Site 관찰 용이, 고정력 우수, 부드러운 접착, 독특한 Frame Style로 드레싱 부착, 편이성 우수.***
■ ***3M™ Tegaderm™ Transparent Film Dressings can be used to cover and protect catheter sites and wounds, to maintain a moist environment for wound healing and to secure devices to the skin.***
■ ***Ideal for Securing Tubing and devices, Improving Patient Comfort, and Minimizing Trauma to Tender Catheter Sites.***
∗ Provides a Waterproof, Sterile Barrier to External Contaminants including Liquids, Bacteria and Viruses
∗ Easy to Cut to any Shape and Size
∗ IV catheter and percutaneous devices securement

〈M4〉

		Pk.	Price, ₩	Cs.	Price, ₩
3M.07.1622W	I.V. Film Dressing / Bandage, Clear, 4.4cm×4.4cm	100ea	27,000	4pk	104,730
3M.07.1624W	, 6cm ×7cm	100ea	32,680	4pk	126,770
3M.07.1626W	, 10cm ×12cm	50ea	28,420	4pk	110,240

3M® Durapore™ Surgical Silky Hypoallergenic Tape, White, Hi-Strength, Versatile, w1.25~5cm, L9.14m Roll, *Medicaluse*
Water Resistance, Conformable, **병원용 실키 반창고, 백색, 우수한 내구성**





■ ***접착력이 우수한 실크 느낌의 흰색 반창고; 내구성 우수, 양방향으로 찢어짐, 건조 피부에 적합***
■ ***Ideal for Securing Tubing / Devices / I.V. Catheter, Anchoring Bulky Dressings, Immobilizing Finger & Toe and Stabilizing Finger Splints***
∗ Adheres well to Dry Skin ; High Strength / Versatile / Conformable
∗ Convenient Bidirectional Tear, Hypoallergenic

〈M4〉

		Pk.	Price, ₩	Cs.	Price, ₩
3M.07.1538.0	Durapore™ Silk-like Tape, White, 1.25cm×9.14m roll	24 roll	20,040	10pk	200,290
3M.07.1538.1	, 2.5cm ×9.14m roll	12 roll	20,040	10pk	200,290
3M.07.1538.2	, 5cm ×9.14m roll	6 roll	20,040	10pk	200,290

3M® Transpore™ Surgical Tape, Clear, Porous, Plastic Hypoallergenic, w1.27~5.08cm, L9.14m Roll, *Medicaluse*
Water Resistance, Good Initial & Long-term Adhesion, **외과용 투명 필름/반창고, 적용 부위 관찰 용이, 찢기 편리**





■ ***격자 무늬가 있어서 양방향으로 찢기 편리한 투명 필름 반창고; 접착력 우수, 적용 부위 관찰 용이***
■ ***Ideal for Anchoring Bulky Dressing and Securing I.V. Catheter / Tubing & Devices***
∗ Easy / Straight / Bi-Directional Tear, Easy to Handle with Glove, Transparent, Porous
∗ Good Adhesion to Skin and Tubing ∗ Easy to Customized Tape Width
∗ Hypoallergenic and Not Made with Natural Rubber Latex

〈M4〉

		Pk.	Price, ₩	Cs.	Price, ₩
3M.07.1527.0	Transpore™ Surgical Acryl Tape, 1.27cm×9.14m roll	24 roll	17,050	10pk	165,350
3M.07.1527.1	, 2.54cm×9.14m roll	12 roll	17,050	10pk	165,350
3M.07.1527.2	, 5.08cm×9.14m roll	6 roll	17,050	10pk	165,350

3M® Micropore™ Surgical Paper Tape, White, Hi-Breathable, Hypoallergenic, w1.27~5.08cm, L9.14m Roll, *Medicaluse*
Taping at Fragile & Risk Skin, **병원용 가장 범용 의료 종이 반창고, 저자극성/통기성**





■ ***병원에서 가장 범용적으로 사용되는 저자극, 저알러지성, 반복테이핑에 적합***
■ ***Ideal for Securing Small to Medium Dressings / Lightweight Tubing / I.V. Catheter and Repeated Taping*** ∗ Gentle Adhesion, Conformable and Highly Breathable
∗ Reliably Secures Dressings and Devices to Skin
∗ Convenient Bidirectional Tear, Hypoallergenic

〈M4〉

		Pk.	Price, ₩	Cs.	Price, ₩
3M.07.1530.0	Micropore™ Surgical Paper Tape, White, 1.27cm×9.14m roll	24 roll	12,650	10pk	126,500
3M.07.1530.1	, 2.54cm×9.14m roll	12 roll	12,650	10pk	139,070
3M.07.1530.2	, 5.08cm×9.14m roll	6 roll	12,650	10pk	139,070

Articles	Cat. No	Description

3M® Medical Soft Cloth Tape with Liner, for Critical Securement Gentle on Skin, w5~15cm×L10m Roll, *Medicaluse*

Good Adhesion, High Breathable, Hypoallergenic, **의료용 부드러운 천 반창고/테이프**



■ ***통기성과 점착력이 우수; 굴곡진 신체 부위에도 잘 밀착됨***

■ ***Ideal for Anchoring Post-surgical Dressings, Securing Tubing / Devices / Catheters, and Minimizing the Risk for Skin Injury***

* Adhered to the Bending Body Part Well
* Soft Cloth Material to Maintain Skin Integrity
* Easy to Cut to a Desired Size
* Excellent Cross and Diagonal Stretch to Accommodate Movement or Swelling
* Wave Patterned Adhesive Coating for Better Breathability and Patient Comfort
* Suitable for Using on Surgical Sites & Areas where Skin May Stretch

〈M4〉

		Roll. Price, ₩	Cs. Price, ₩
3M.07.2762	Soft Cloth Tape, 5cm ×10m roll	4,130	36roll 143,850
3M.07.2763	, 7.5cm×10m roll	6,250	24roll 145,500
3M.07.2764	, 10cm ×10m roll	8,250	18roll 143,850
3M.07.2766	, 15cm ×10m roll	11,380	12roll 132,280





▶Label Tapes & Write-on Labels
⇒ See the "Labels"&"Label Tapes" Section!

, Living & Office 사무용



(1) 4.2mm Tape-set



(2) Refill Cartridge

3M® Scotch® "1652" 4.2mm Correction Tape, Available Clean Copy, 4.2mm×L8m

With Dispenser, Cartridge-type One-Click Refill Tape, 4.2mm **수정 테이프**

* Clean Handling When Copying.
* No Stained Foreign Substance Stand-type.
* Refill Cartridge Tape : "One-Click" System.
* Clear Plastic BLISTER Packaging with Description Print Card

〈B4〉

		Pk. Price,₩	Cs. Price, ₩
3M.02.6001	(1) "1652" Correction Tape, Dispenser Set, 4.2mm×L8m	1ea 1,800	30pk
3M.02.6002	(2) , Refill Cartridge Tape	1ea 1,520	30pk



(1)



(2)

5mm Correction Tape, Available Clean Copy, 5.0mm×L8m

With Dispenser, Optional Refill Tape, 5mm **수정 테이프**

■ ***Made in Korea***

* Writing Immediately after Correction can be any Writing Instrument.
* After Correction, Write-On Possible.
* Easy to Use Both Hand.

〈B4〉

		Pk. Price, ₩
DH.Off3051	(1) 180° Correction Tape, Dispenser Set, 5.0mm×L8m	1ea 1,200
DH.Off3052	(2) , Refill Tape, 2 Pcs / Pk.	2roll 1,250



(1)



(2)



(3)

3M® Scotch® "810D" Write-On-Label Magic Tape with Dispenser, w12 & 18mm, L18~32m

Ideal for Permanent Applications, Translucence, Easy to Write on Text, Using Hand-tear, **매직라벨테이프**

* Preferred Tape for offices, Home offices and Schools, Original Matte Finish, Invisible Tape.
* Write on it with Pen, Pencil or Marker.
* Ideal for Permanent Applications Like Mending and Splicing.

〈B4〉

		Pk. Price, ₩	Cs. Price, ₩
3M.02.6003	(1) "810D" Magic Tape, Dispenser Set, 12mm×L20m	1roll 2,300	180pk
3M.02.6004	, 18mm×L30m	1roll 3,450	180pk
3M.02.6005	(2) "810R" Refill, Magic Tape Roll, 12mm×L18m	1roll 1,660	120pk
3M.02.6006	, 18mm×L32m	1roll 3,380	120pk

(3) "SM-3Deal" Comfort-kit, With 3 Magic Tape 18mm×L32m and 1 Reusable Dispenser "C-40"

		Pk. Price, ₩	Cs. Price, ₩
3M.02.6007	"SM-3Deal" Magic Tape Kit, Dispenser+3Tape(18mm×L32m)	1kit 11,410	20pk

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



3M® Scotch® Multiuse Transparent Tape, w12 & 18mm
For Home & Office, 20m or 30m Length, an Excellent Multi-purpose Tape, **다용도 테이프**

* Clear & Transparent Material of the Tape, Moisture Resistant, Long Lasting Adhesion, Most Commonly Used in Office.
* A Great Value for General Purpose for Bonding, Mending, Sealing, Wrapping.
* With a Refillable Dispenser.

〈B4〉

		Pk.	Price, ₩	Cs.	Price, ₩
3M.02.6009	"522D" Multiuse Tape, Dispenser set, w12mm×L20m	1roll	1,190	144pk	
3M.02.6010	"583D" Multiuse Tape, Dispenser set, w18mm×L30m	1roll	3,020	144pk	
3M.02.6011	Multiuse Tape, Refill Tape, w12mm×L20m	1roll	1,400	144pk	
3M.02.6012	, w18mm×L30m	1roll	2,330	144pk	





3M® Scotch® Desktop Tape Dispenser, High Performance · Convenience · Stylish
For up to 19mm×L38.2m of 1″ Core Tapes, **테이프 디스펜서 / 커터**

(1) "810RB" Rabbit Dispensers, with 1Roll Magic Tape 18mm×L16m with Non-slip Pad Base, 125×60×h67mm

〈B4〉

		Pk.	Price, ₩	Cs.	Price, ₩
3M.02.6016	"810RB" Rabbit Dispenser & 1roll Tape, Blue-color	1ea	6,100	24pk	
3M.02.6017	, Pink-color	1ea	6,100	24pk	

(2) "SB61" One-touch Tape Cutter / Dispenser, for up to 2-roll Tapes, with Nonslip Pad Base up to 4Strips at One Touch "Push", 165×90×h80mm

		Pk.	Price, ₩	Cs.	Price, ₩
3M.02.6018	"SB61" One Touch Cutter, for 2Rolls, Black-color	1ea	18,070	8pk	



3M® Scotch® "238" Removable Double-Sided Tape, with Dispenser, Transparent, w19mm×L5.08m
Ideal for Photo-safe · Scrapbooking · other Craft Projects, **재접착 투명 양면테이프**

■ ***Ideal for Scrapbooking!(Photo, Data), Re-stickable, Easy to Use as Holding the Pen, Replaceable Cartridge Tape.***

* Photo-safe for Scrapbooking & other Craft Projects
* Great for Cut-And-Paste Applications
* Sticks firmly, yet is easily Removed and Repositioned.

〈B4〉

		Pk.	Price, ₩	Cs.	Price, ₩
3M.02.6026	Scotch® "238" Remov. 2-sided Tape / Dispens. w19mm×L5.08m	1roll	4,170	72pk	

3M® Scotch® "136D" & "237D" Permanent Double Sided Tape, Transparent, with Dispenser, w12 & 18mm
Ideal for Science Projects, Art-projects, and Classroom Presentations, **투명 양면테이프**



(1) 12mm Tape / Dispenser



(2) Refill Tapes

* Where Necessary, Clean and Tidy Adhesion. Ease of Use, Precision Work Benefits
* 2.4mil(0.06mm) Thick.
* A No-mess Alternative to Glue for Light-duty Attaching & Mounting Tasks.
* Coated with Photo-safe, Permanent Adhesive on Both Sided.

〈B4〉

		Pk.	Price, ₩	Cs.	Price, ₩
3M.02.6022	(1) Scotch® "136D", Double Sided Tape / Dispens. 12mm × L6.35m	1roll	2,630	72pk	
3M.02.6023	Scotch® "237D", Double Sided Tape / Dispens. 18mm × L7.6m	1roll	3,770	72pk	
3M.02.6024	(2) Refill, Double Sided Tape Roll, w12mm × L6.35m	1roll	2,090	72pk	
3M.02.6025	, w18mm × L7.6m	1roll	3,020	48pk	



3M® Scotch® "017D" 8mm Double Sided Tape-pen, with Dispenser, Transparent, w8mm×L8m
Ideal for Craft & Scrapbooking Projects, Removable, Photo-safe, **8mm 투명 양면테이프-펜**

■ ***Ideal for Scrapbooking!(Photo, Data), Re-stickable, Easy to Use as Holding the Pen, Replaceable Cartridge Tape.***

* for Mounting Pictures, Documents and Memorabilia, Refillable.
* Acid-Free, Photo-Safe.
* Easy Load Cartridges.
* Repositionable.

〈B4〉

		Pk.	Price, ₩	Cs.	Price, ₩
3M.02.6020	(1) Scotch® "017D" Double Sided Tape-pen / Dispens., w8.4mm×L8m	1ea	2,450	30pk	
3M.02.6021	(2) / Refill, "017" Tape Cartridge	1ea	2,300	30pk	

Articles	Cat. No	Description



3M® Scotch® Ultra Powerful Double Sided Tape, High-adhesion, Acrylic Foam, White
"UP115" & "UP213" w12 & 24mm, Strong Bonding, **초강력 폼 양면테이프**

* Strong Bonding and Easy to Use
* Ideal for Using Extensive Surface, Especially Smooth Surface
* Super Strength foam Double-Sided Tape
* Proof Load : PP+PP Load 1.1kg, Stainless-steel+Steel Load 0.82kg

〈B4〉

		Pk.	Price, ₩	Cs.	Price, ₩
3M.02.6047	Ultra Powerful Double sided Tape, UP115, w12mm×L1.5m	1roll	6,890	12pk	
3M.02.6048	, UP213, w24mm×L1.3m	1roll	8,900	12pk	



(1) Semi-transparent-type (2)Transparent-type

3M® Scotch® "2×Strong" Foam Double Sided Tape, "3000" w12 & 24mm, L1.5~2m
For Permanent Banding, Use instead of Magnets or Nails, **2배 강력 폼 양면테이프**

■ ***Clear and Translucent, for Permanent Banding Tapes, Use instead of Magnets or Nails***
* Foam Tape : To Fill Micro Space of Adhesive Face, Well Stick Flexible Tape to Rough Surface. 1mm-thick.
* Clear Plastic BLISTER Packaging with Description Print Card

〈B4〉

(1) "3140" & "3215" Semi-transparent-type

		Pk.	Price, ₩	Cs.	Price, ₩
3M.02.6041	Scotch® Foam Double sided Tape, "3140", w12mm×L2m	1roll	6,810	24pk	
3M.02.6042	, "3215", w24mm×L1.5m	1roll	4,960	24pk	

(2) "3120C" & "3215C" Transparent-type

		Pk.	Price, ₩	Cs.	Price, ₩
3M.02.6043	Scotch® Trans. Foam Double sided Tape, "3120C", w12mm×L2m	1roll	4,530	24pk	
3M.02.6044	, "3215C", w24mm×L1.5m	1roll	4,940	24pk	



3M® Scotch® "138" Paper Double Sided Tape Roll, w12 · 18 · 24mm, L10m
For Light-duty, Easy to Use, Hand-tear Tape, **종이 양면테이프**

* Ideal for Mounting Pictures, Posters, and Many other Light-duty Applications

〈B4〉

		Pk.	Price, ₩	Cs.	Price, ₩
3M.02.6027	Scotch® "138" Paper Double Sided Tape, w12mm×L10m	1roll	1,370	20pk	
3M.02.6028	, w18mm×L10m	1roll	1,580	20pk	
3M.02.6029	, w24mm×L10m	1roll	1,880	20pk	



PTFE Seal Tape, good for Screw-thread Sealing, w13mm×L10m & 15m, 0.1mm Thick
Up to 290℃ Heat Resisting, 0.48g/cm³ Density, **스크류 실링용 테프론 테이프**

■ ***스크류 체결 실링용에 적합*** * Ideal for Screw-thread Sealing

〈B3〉

		Ea.	Price,₩	Cs.	Price, ₩
0412-608	Seal Tape, PTFE, w13mm×L10m		330	100ea	29,400
0577-650	, w13mm×L15m		430	100ea	39,200



Waterproof Silicone Tape, Transparent, Multi-Purpose, w30mm×L2m
Ideal for Prevent Mildew, Durable, 60.2g, **실리콘 방수테이프**

■ ***Supplied by DAIHAN Korea***
■ ***탁월한 방수효과로 곰팡이 방지, 어디든 간편하게 부착 가능*** ■ ***가스레인지, 벽 틈새, 세면대, 싱크대, 욕조, 등 사용 가능***
■ ***Ideal for Sealing Basin, Bathtub, Gas Stove, Kitchen Sink, Wall Edge***
* Long Lasting & Strong Adhesion
* Easy to Remove with any Trace
* Prevent Mildew
* Easy to Use and Clean

〈B1〉

		Ea.	Price, ₩
DH.Tap6001	Silicone Tape, Waterproof, w30mm×L2m		2,300



3M® "8067" Confidential Waterproof Tape, with General Purpose Acrylic Adhesive
Ideal for Building Walls or Gaps in Pipes, Applicable to Varying Temperatures, **방수 기밀 테이프, 사계절용**

■ ***건물 외벽이나 배관의 틈새에 기밀 및 방수 용도로 사용되는 테이프*** ■ ***젖은 표면이나 콘크리트 벽체에도 사용 가능한 높은 접착력***
* Confidentiality and Waterproof Purposes on Building Exterior Walls or Gaps in Piping
* The Special Acrylic Adhesive can be Applied from Low to High Temperatures.
* High Adhesion for Wet Surfaces or Concrete Walls

〈B4〉

		Pk.	Price, ₩
3M.08.1036	"8067" Confidential Waterproof Tape, w50mm ×L22.8m	2roll	23,600
3M.08.1037	, w100mm×L22.8m	2roll	39,560

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



3M® Scotch® "681" Cellophane Film Tape, with Pressure Sensitive Rubber Resin, up to 140℃
Ideal for High-Temperature Packaging, Adhesive to a Variety of Materials, **라이트 듀티 테이프**

■ 미국 ASTM 규격의 도장 부착력 테스트 법에 가장 부합하는 도장 피막 검사용 테이프
■ 고온 포장 용도로 사용하기 위해 고안된 투명 필름 테이프 ■ 페인트 공정, PCB 인쇄 공정에서 많이 사용
■ 천연 고무 접착제는 높은 초기 접착 강도를 자랑하며 다양한 재료에 접착 가능
∗ Dimensionally Stable on a Wide Variety of Applications up to 300°F(140℃)
∗ Controlled Consistent Unwind for Reliable Hand Dispensing.
∗ Easily Dispensed. ∗ Excellent holding properties.

〈B4〉

		Pk.	Price, ₩
3M.08.681	Cellophane Film Tape, w25mm×65.6M, Thick 0.058mm, Clear	1roll	21,710



(1)
(2)

3M® Scotch® "3615R-6" Packing Tape, Transparent & Translucent Milky-Amber
With Water Based Acrylic Adhesive Coated, Odorless, 0.065mm-thick., w48mm×L50m, **박스 테이프, 고급형**

■ 찢어짐이나 변형이 없는 강력한 접착력, 수용성 아크릴 점착제로 인체에 덜 유해함
■ Water Based Acrylic Adhesive Coated Tape : Strong Adhesion / Long Life / Good Water Resistance
∗ High Strength, Flexible, Odorless, Multipurpose and an Excellent Packing Function

〈B4〉

		Pk.	Price, ₩	Cs.	Price, ₩
3M.02.6103	(1) "3615R-6" Box Tape, 5-roll/Pk, w48mm×L50m, Clear	6ea	15,060	10pk	146,020
3M.02.6104	(2) , Milky-Amber	6ea	15,060	10pk	146,020

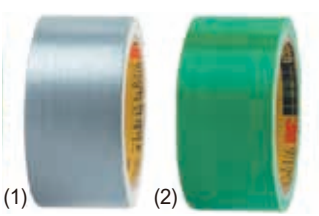


3M® Scotch® "372KS" Box Packing Tape, Transparent & Translucent Milky-Amber
Ideal for High Strength Packaging, Solvent-type, Durable, w48mm×L50m, **박스포장용 테이프, 보급형**

■ 초기 접착력 우수, 모서리 찢김 저항성 ***■ Solvent-type Acrylic Adhesive Coated Tape***
∗ High Edge Tear and Split Resistance ∗ Excellent Tensile Strength

〈B4〉

		Pk.	Price, ₩	Cs.	Price, ₩
3M.08.372KS.C	"372KS" Box Tape, w48mm×L50m, Clear	1roll	1,720	50pk	82,850
3M.08.372KS.A	, Milky-Amber	1roll	1,620	50pk	78,090


(1)
(2)

3M® Scotch® 46mm×L10m "971" Multiuse High-strength Cloth Tape, Gray & Green
Ideal for Duct on Heavy-duty / Packing, 50-mesh, **다용도 강력 면 테이프**

∗ Multiuse / Heavy-Duty : Duct-work, Bookbinding, Packing of Heavy Weight Goods.

〈B4〉

		Pk.	Price, ₩	Cs.	Price, ₩
3M.02.6097	(1) "971" Multiuse Cloth Tape, w46mm×L10m, **Gray-color**	1roll	1,760	50pk	
3M.02.6098	(2) , **Green-color**	1roll	1,760	50pk	

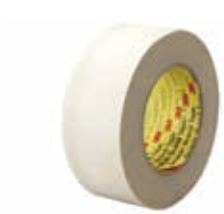


3M® 48mm×L55m Industry Cloth Tape "DT-11", PE Coated with Rubber adhesive
For Industrial Heavy-duty, 0.27mm-thick., Silver, "DT-11" **산업용 강력 면테이프**

∗ Ideal for Industrial Heavy-duty(Pipe / Duct / Line Display / Repair). 93℃ Heat-resist ∗ Good Adhesion to Rough Surfaces.
∗ Use in Demanding Applications at Work Site where Aggressive Holding is Required.

〈B4〉

		Pk.	Price, ₩
3M.04.6061	"DT-11" Duct Tape, 93℃, 0.27mm-t., w48mm×L55m	1roll	13,180



3M® "361" Heat Resistant Glass Cloth Tape, Silicone Adhesive, Clean Removal, −54℃+232℃
Ideal for High Temperature Performance, Strong Abrasion Resistant, Durable, **내열 유리섬유 테이프**

■ 유리섬유 기재로 구성, 내열성이 우수하고 접착력이 강하며 깔끔하게 제거됨
■ 용접 마스킹 및 고온 실링 등 다양한 고온 작업에 주로 사용됨
■ Can be Certified to Meet F.A.R. 25.853, Flame Resistant Specification
∗ Withstand Temperatures Ranging from -54℃ to 232℃ (up to 288℃ or Higher) ∗ Silicone Adhesive Provides Good Holding Power
∗ Deal for Seaming and Sealing Panels, High Temperature Masking, Bundling, Holding and Harness Wrapping
∗ Suitable for Aerospace, Automotive, Roofing, Specialty Vehicle and Ship Building Industries

〈B4〉

		Pk.	Price, ₩
3M.08.361	"361" Glass Cloth Tape, w50mm×L54.8m	1roll	95,560

Articles	Cat. No	Description



General Purpose Electrical Tape, Colored, PVC Backing with Rubber Resin Adhesive
For General Wiring & Cable Maintenance, w19mm×L10m, PVC **범용 전기 절연테이프**

■ ***Supplied by DAIHAN Korea***

∗ Good for General Wiring & Cable Maintenance. ∗ Excellent Weather Resistance / Oil / Chemical Resistance / Adhesive. 〈B4〉

∗ PVC Film Backing with Pressure Sensitive Rubber Adhesive.

		Pk.	Price, ₩	Cs.	Price, ₩
DH.Tap3031	Electrical Tape, PVC, w19mm×L10m, Black	1roll	640	10pk	
DH.Tap3032	, Blue	1roll	640	10pk	
DH.Tap3033	, Red	1roll	640	10pk	
DH.Tap3034	, Yellow	1roll	640	10pk	



3M® Premium Super 33+® Vinyl Electrical Tape, −18℃+105℃, 0.18mm-thick, w19mm×L20m
Ideal for Electrical Insulation up to 600Volts, 600V**급 프리미엄** PVC **전기 절연테이프**

■ ***All Weather Insulation Tape, Excellent - Heat Resistant / Retardant / Abrasion / Acid & Chemical Resistance / Water Resistance and UV Resistance, Max. 1000Volts.***

■ ***Primary Electrical Insulation for All Wire & Cable Splices Rated up to 600Volts and 105℃***

∗ Protection Jacketing for High Voltage Cable Splices & Repairs. 〈B4〉

∗ Harnessing of Cables & Wires. ∗ UL510 Standard and CAS Certi

		Pk.	Price, ₩
3M.04.6067	Super 33+® Electrical Tape, w19mm×L20m, Black	1roll	8,250



3M® Multiuse Kapton® Polyimid Electrical Tape-92®, Amber, Silicone-adhesive, 0.08mm-thick., L33m
For High Temp. Electrical Applications, 180℃, 7500Volts, 1×10^6 Megahms, 7500V**급 다용도 전기 절연테이프**

■ ***Used for High Temp. Electrical Applications in which a Tough, Thin Insulating Material is required for Wrapping Coils, Transformers, Capacitors, and Wire Harnesses.***

∗ Also Used in Printed Circuit Board Assembly as a Wave Solder Masking Tape. ∗ Breaking Strength-30Lbs/in.

∗ Kapton® Polyimide Film / Thermosetting Silicone Adhesive, 0.08mm-thick., 7500Volts(Dielectric Breakdown), Insulation Resistance > 1×10^6 megahms, 180℃ ∗ Printable & UL 510 Flame Retarded : Yes! 〈B4〉

		Pk.	Price, ₩
3M.04.6071	Kapton® Tape -92, amber, 0.08mm-thick., w15mm×L33m	1roll	76,440
3M.04.6072	, w20mm×L33m	1roll	110,120
3M.04.6074	, w25mm×L33m	1roll	147,390



3M® "1181" 10~50mm×16.4m Conductive Copper Foil Tape, 60dB ~ 80dB(30MHz to 1GHz)
For Excellent Electrical Conductivity & EMI-shielding, with Electrically Conductive Acrylic Adhesive, EMI **차폐용 동-테이프**

■ ***EMI(Electro-Magnetic Interference), for Block, Ground.***

∗ Ideal for Applications Requiring Reliable Point-To-Point Electrical Contact, Grounding and Static Change Draining. 〈B4〉

∗ 0.07mm-Thickness, Powerful Insulation Resistance / Adhesion / Flame-retardancy "UL510"

		Pk.	Price, ₩	Cs.	Price, ₩
3M.04.6054	"1181" Conductive Copper tape, 0.07mm-t., w10mm×L16.4m	1roll	25,460	58pk	
3M.04.6055	, w25mm×L16.4m	1roll	62,990	22pk	
3M.04.6056	, w50mm×L16.4m	1roll	131,720	11pk	



3M® "5480" 260℃ L33m PTFE-film Tape, −54℃+260℃, Anti-Stick/Release
For Wrapping Rollers, Gray, Low Coefficient of Friction, 0.09mm-thick, **고온 / 내약품성** PTFE **테이프**

■ ***Ideal for Sliding, Sealing and Masking, Anti-Stick, High Temperature***

∗ Silicone Adhesive, 140%-Elongation at Break, An Excellent Chemical Resistance except Organic Solvents. 〈B4〉

		Pk.	Price, ₩
3M.04.6008	"5480" PTFE-film tape, 260℃, Gray, w10mm×L33m ***New***	1roll	69,640
3M.04.6059	, w25mm×L33m	1roll	145,060
3M.04.6060	, w50mm×L33m	1roll	290,080

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Johnson® COA, MSDS - Easy, Compliant and Available at any time

* Can Download the Certificate of Analysis, Material Safety Data Sheet from 'http://johnsontestpapers.com' with Batch Number on the Surface of the Product / Packing
* Direction for Download: Refer from DAIHAN Scientific Website 'www.daihan-sci.com or www.ALL *for* LAB.com'



Johnson® Lead Acetate Paper, for Sulphide(in Air/Gas) Determination, Color Reaction (White → Brown・Black), High quality

<UK-Made> 공기중의 황화물 검출용 리드아세테이트지, 공기중에 황화물이 존재시에 Black-Stain(흑색반점)으로 변함



■ ***Quality Warranty***
"Johnson" Test Papers Products (Roll / Reel- & Strips-Type and Indicator Pad-Strips indicate) have △ Expiry Date and △ Batch Certification No. on the Product / Packing.

* This Test Paper is used for the detection of hydrogen Sulphide.
* Useful in the Air Environment and GAS INDUSTRY to Determine the Presence of SULPHIDE in AIR / GAS, PLANTS, SEWERS, and etc.
* Sulphides occur in the processing of raw oil and can be found in gas, plants and sewers.
* As Sulphides can be toxic even in low concentrations, critical points are checked for the presence of such gases
* Lead Acetate Paper turns from White to Brown-black in presence of hydrogen sulfide and other soluble sulfides
* Specification : a Book of 20 Strips, 1 Strip : L68×w10mm
* Package : 10 Books(200 Strips) in a Clear Plastic Case / Pk.(10 Books / Pk.)

〈L1〉

		Pk.	Price, ₩
J2.017.1	Lead Acetate Test Paper, 10 Books(200 strips) / a Clear Plastic Case / Pk. 20 Strips / a Book, 1 Strip : L68×w10 mm	200ea	15,440

Johnson® Cobalt Chloride Paper, for Moisture Detection, Color Reaction : Pink(High) or Blue(Low) depend on Moisture Condition

<UK-Made> 공기중의 수분 검출용 염화 코발트지 / Ivory, 수분에서 Pink 색, 40℃~50℃ 건조시 Blue(청색)로 반응



■ ***Quality Warranty***
"Johnson" Test Papers Products (Roll / Reel- & Strips-Type and Indicator Pad-Strips indicate) have △ Expiry Date and △ Batch Certification No. on the Product / Packing.

* For the Quick and Easy Detection of Moisture
* Cobalt Chloride Paper is pink when moist (Ivory->Pink) and blue when dried at 40℃~50℃. (Ivory->Blue)
* Can also be Used to Indicate when Desiccants such as Silica gel are Exhausted
* Also for the Detection of Moisture in the Atmosphere, for Example, Crates Containing
* Specification : a Book of 20 Strips, 1 Strip : L68×w10mm
* Package : 10 Books(200 Strips) in a Clear Plastic Case / Pk.(10 Books / Pk.)

〈L1〉

		Pk.	Price, ₩
J2.015.1	Cobalt Chloride Paper, 10 Books (200 strips) / a Clear Plastic Case / Pk. 20 Strips / a Book, 1 Strip : L68×w10 mm	200ea	10,790

Johnson® Humidity Indicator Paper, for Humidity Detection, RH 45~55%

<UK-Made> 습도 측정용 염화 코발트지, 공기중에 습도의 정량을 측정함



■ ***Quality Warranty***
"Johnson" Test Papers Products (Roll / Reel- & Strips-Type and Indicator Pad-Strips indicate) have △ Expiry Date and △ Batch Certification No. on the Product / Packing.

* Cobalt Chloride Papers give a Quantitative Estimation of Relative Humidity.
* When the Paper has been Allowed to come into Equilibrium with the Ambient Atmosphere, the Color Changes Over the RH Range 45~55%
* Humidity Indicator Paper is available in a Variety of Sheet Size
* Specification : 1 Sheet : L30×w30mm ∗ Package : 100 Sheets/Pk.

〈L1〉

		Pk.	Price, ₩
J2.016.95	Humidity Indicator Paper, 45~55 RH%, (1 Sheet : L30×w30mm)	100ea	23,940



※pH Papers & Comparators

⇒ See the "pH/pX, Test Papers" Section!

Johnson® Fluoride (in solution) Indicator Pad PP Strip, "Non - Bleed" System

Ideal for Water/Environment Control, Eco-Friendly PP Strips : 0~100 ppm, <UK-Made> **불화물 검출용 패드 스트립, 용액/수질 관리용, 친환경 PP재질**



■ ***Quality Warranty***
"Johnson" Test Papers Products (Roll / Reel- & Strips-Type and Indicator Pad-Strips indicate) have △ Expiry Date and △ Batch Certification No. on the Product/Packing.

∗ Ideal for Water/Solution Control, Laboratories, QC, Education and Industry
∗ "NON- BLEED" System : Indicator Pads on the Environmentally Friendly PP(Polypropylene) Strips.
∗ Far Longer & Readable System(Until the Pads are Dry) : Long Life of the Resultant Color Change.
∗ Allow a Quick and Easy Method to Determine the Fluoride ions in Solutions Containing Hydrochloric Acid
∗ Ideal for Water/Solution Control, Laboratories, QC, Education and Industry
∗ Dip Pad Strip into the Solution to be Tested, and Compare to the included Color Chart to Determine ppm values
∗ Specification : a Pad PP Strip : L68×w5 mm, Made by Environmentally Friendly Polypropylene <L1>
∗ Package : 100 Strips in a Plastic Case / Pk. With Standard Color-Chart.(100 Strips / Pk.)

		Pk.	Price, ₩
J2.173.5C	Test Strip Fluoride, PP, 0~100ppm / 0-10-25-50-100 ppm	100ea	20,570

Johnson® Nitrite/Nitrate (Water quality) Indicator Pad PP Strip, "Non - Bleed" System

Ideal for Water/Environment Control, Eco-Friendly PP Strips : (1) 0~25 ppm Low Level and (2) 0~500 ppm High Level
<UK-Made> **아질산염 / 질산염 검출용 패드 스트립, 수질관리에 적합, 친환경 PP재질**



■ ***Quality Warranty***
"Johnson" Test Papers Products (Roll / Reel- & Strips-Type and Indicator Pad-Strips indicate) have △ Expiry Date and △ Batch Certification No. on the Product/Packing.

∗ Ideal for Water/Environment Control, Laboratories, QC, Education and Industry
∗ "NON-BLEED" System : Indicator Pads on the Environmentally Friendly PP(Polypropylene) Strips.
∗ Far Longer & Readable System (Until the Pads are Dry) : Long Life of the Resultant Color Change.
∗ Allows a Quick and Easy Method to Determine the Nitrite/Nitrate in Solution
∗ Ideal for Water/Environment Control, Laboratories, QC, Education and Industry
∗ Dip Pad Strip into the solution to be tested, and Compare to the included Color Chart to Determine ppm values
∗ Specification : a Pad PP Strip : L68×w5 mm, Made by Environmentally Friendly Polypropylene <L1>
∗ Package : 100 Strips in a Clear Plastic Case/Pk. With Standard Color-Chart. (100 Strips/Pk.)

		Pk.	Price, ₩
J2.175.5C	(1) Test Strip, Nitrite, Low Level, PP, 0~25ppm / 0−0.5−1−5−10−25 ppm	100ea	29,620
J2.176.5C	(2) , Nitrate, High Level, PP, 0~500ppm / 0−10−25−50−100−250 - 500 ppm	100ea	29,620

Johnson® Chlorine (Sanitizer) Indicator Pad PP Strip, "Non - Bleed" System, with Certificate of Conformity

3 items : (1) 0~20 ppm, (2) 0~300 ppm & (3) 0~1000 ppm, <UK-Made> **염소이온(소독제) 검출용 패드 PP스트립**



■ ***Quality Warranty***
"Johnson" Test Papers Products (Roll / Reel- & Strips-Type and Indicator Pad-Strips indicate) have △ Expiry Date and △ Batch Certification No. on the Product/Packing.

∗ Ideal for Environment Control, Health care, Swimming Pool, QC and Education
∗ "NON- BLEED" System : Indicator Pads on the Environmentally Friendly PP (Polypropylene) Strips.
∗ Far Longer & Readable system (Until the Pads are dry). : Long Life of the Resultant Color Change.
∗ Allows a Quick and Easy Method to Determine the Free/Available Chlorine in Solution
∗ Ideal for Environment Control, Health care, Swimming Pool, QC and Education
∗ Dip Pad Strip into the solution to be tested, and Compare to the included Color Chart to Determine ppm values
∗ Specification : a Pad PP Strip : L68×w5 mm, Made by Environmentally Friendly Polypropylene <L1>
∗ Package : 100 Strips in a Clear Plastic Case/Pk. With Standard Color-Chart. (100 Strips/Pk.)

		Pk.	Price, ₩
J2.216.1	(1) Test Strip Chlorine, Low Level, PP, 0~20 ppm / 0-0.5-1-3-5-10-20 ppm	100ea	22,970
J2.163.1C	(2) , PP, 0~300 ppm / 0-25-50-100-200-300 ppm	100ea	22,970
J2.164.1C	(3) , PP, 0~1000 ppm / 0-50-100-250-500-1000 ppm	100ea	22,970

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Johnson® Starch & Potassium Iodide Paper, for the Detection of Oxidizing Agents, Color Reaction (White → Deep • Blue)

<UK-Made> 산화제 검출지, 요오드화 칼륨 전분지-White, 용액내에 산화제(염소, 아질산 등)가 존재할시 Deep-Blue(군청색)로 변함



■ ***Quality Warranty***
"Johnson" Test Papers Products (Roll / Reel- & Strips-Type and Indicator Pad-Strips indicate) have △ Expiry Date and △ Batch Certification No. on the Product/Packing.

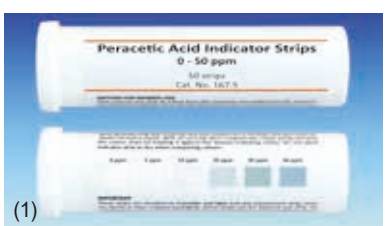
* Ideal for Analysis, QC, Laboratories and Chemical Industry.
* These Papers Detect the Presence of Oxidizing Agents Such as Chlorine and Nitrous Acid. The Papers turn to a Deep Blue Color when Oxidizing Agents in Acid Solution are detected.
* They are also of Value for the Determination of End Point in Titrations Using Sodium Nitrite Solutions
* Take a Drop of the Sample Solution and Allow it to Fall on the Paper or Dip Paper into the Solution. Potassium Iodide/Starch paper turns from White to Deep-Blue in the presence of such as chlorine and nitrous acid.
* Specification : a Book of 20 Strips, 1 Strip : L68×w10mm
* Package : 10 Books (200 Strips) in a Clear Plastic Case / Pk.(10 Books / Pk.)

<L1>

Cat. No		Pk.	Price, ₩
J2.019.1	Starch & Potassium Iodide Paper, 10 Books (200 strips)	200ea	8,880

Johnson® Peracetic Acid (Sanitizer) Indicator Pad PP Strip, "Non-Bleed" System

2 items : (1) 0~50 ppm Low Level & (2) 0~500 ppm High Level, **<UK-Made> 과초산(소독제) 검출용 패드 PP 스트립**



(1)



(2)

■ ***Quality Warranty***
"Johnson" Test Papers Products (Roll / Reel- & Strips-Type and Indicator Pad-Strips indicate) have △ Expiry Date and △ Batch Certification No. on the Product / Packing.
■ ***Provide Certificate of Conformity, Analysis Record, Material Safety Data Sheet***

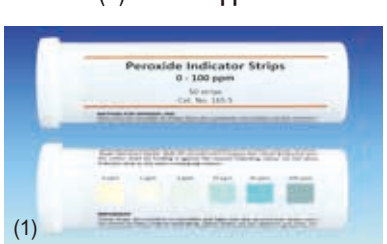
* "NON-BLEED" System : Indicator Pads on the Environmentally Friendly PP(Polypropylene) Strips.
* Far Longer & Readable System (Until the Pads are Dry) : Long Life of the Resultant Color Change.
* Allows a Quick and Easy Method to Determine the Free/Available Peracetic Acid in Solution
* Ideal for Environment Control, Health care, Swimming Pool, QC and Education
* Dip Pad Strip into the solution to be tested, and Compare to the included Color Chart to Determine ppm values
* Standard Color Chart is attached on the product.
* Specification : a Pad PP Strip : L68×w5 mm, Made by Environmentally Friendly Polypropylene
* Package : 100 Strips in a Clear Plastic Case/Pk. with Standard Color-Chart. (100 Strips/Pk.)

<L1>

Cat. No		Pk.	Price, ₩
J2.167.5C	(1) Test Strip Peracetic Acid, Low Level, PP, 0~50ppm / 0-5-10-20-30-50 ppm	100ea	22,970
J2.168.5C	(2) , High Level, PP, 0~500ppm / 0-100-150-200-250 -300-400-500 ppm	100ea	22,970

Johnson® Peroxide (in solution) Indicator Pad PP Strip, "Non-Bleed" System

2 items : (1) 0~100 ppm Low Level & (2) 0~1000 ppm High Level, **<UK-Made> 과산화물 검출용 패드 스트립**



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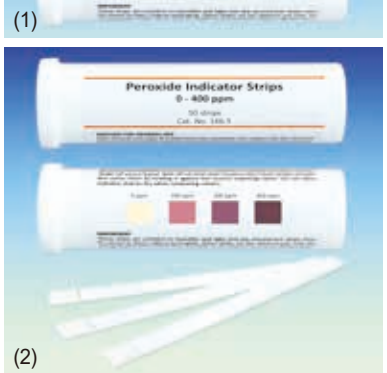


(2)

■ ***Quality Warranty***
"Johnson" Test Papers Products (Roll / Reel- & Strips-Type and Indicator Pad-Strips indicate) have △ Expiry Date and △ Batch Certification No. on the Product / Packing.
■ ***Provide Certificate of Conformity, Analysis Record, Material Safety Data Sheet***

* "NON-BLEED" System : Indicator Pads on the Environmentally Friendly PP(Polypropylene) Strips.
* Far Longer & Readable System (Until the Pads are Dry) : Long Life of the Resultant Color Change.
* Ideal for Solution/Environment Control, Laboratories, QC, Education and Industry.
* Allows a Quick and Easy Method to Determine the Peroxide in Solution
* Dip Pad Strip into the solution to be tested, and Compare to the included Color Chart to Determine ppm values
* Standard Color Chart is attached on the product.
* Specification : a Pad PP Strip : L68×w5 mm, Made by Environmentally Friendly Polypropylene
* Package : 100 Strips in a Clear Plastic Case/Pk. with Standard Color-Chart. (100 Strips/Pk.)

<L1>

Cat. No		Pk.	Price, ₩
J2.165.5C	(1) Test Strip Peroxide, Low Level, PP, 0~100 ppm / 0-1-3-10-30-100 ppm	100ea	22,970
J2.222.1	(2) , High Level, PP, 0~1000 ppm / 0-100-200-400-600-800-1000 ppm	100ea	22,970

Thermo-Hygrometers & Thermometers

Thermo-Hygrometers ····· P. 812~816
- Desktop / Wallmount ····· P. 813~814
- Handy / Pocket ····· P. 813~815
- Infrared(IR) ····· P. 815
- USB Datalogger ····· P. 815
- WBGT Monitors ····· P. 816

Thermometers, Digital ····· P. 817~828
- Dataloggers ····· P. 827~828
- Digital Infra-Red ····· P. 817~818
- Digital K-Type ····· P. 819~821
- Digital NTC-Type ····· P. 822~826
- Digital (HACCP) Pt100 ····· P. 827

Thermometers, Glass ····· P. 828~830
- Mercury-filled ····· P. 828, 830
- No-Mercury ····· P. 828~830
- Plastic Housing ····· P. 829
- Teflon-coated ····· P. 829



DAIHAN® Handy/Digital Thermo-Hygrometer "H9237", Rotary Sensor Protector, ℃/°F & R.H%, Max/Min
With Large LCD, Rubber Coated & Black Carrying Case, −50℃+70℃, 20~99.9% R.H, 0.1 Divi, 포켓/디지털 온습도계

CE

Size :
165×38×18 mm



"A1.H9237"



■ *온도, 습도 측정이 필요한 모든 곳에서 편리하게 사용 가능*

∗ Ideal for Storage Rooms, Pharmaceutical Rooms, Greenhouse, Laboratory, etc. ∗ Pocket Size with Large LCD.
∗ Rubber Coated. ∗ Low Battery Indicator. ∗ Rotary Sensor Protector Protects The Sensor when not in Use.
∗ Battery Included. ∗ Easy to Change Battery. ∗ with Black Carrying Case. ∗ CE Approval.

Specifications & Ordering information ‹L1›

Spec. \ Model	"H9237"
Measurement Range	−50℃+70℃ or −58°F+158°F / 20%~99.9% R.H (No Condensation)
Resolution	0.1° for Whole Range/ 0.1% R.H for Whole Range
Accuracy	±1.0℃ or ±1.8°F In the Range of 0℃~50℃ or −4°F+122°F, Otherwise more than ±1.0℃ or ±1.8°F
Sensor Type	NTC & Humidity
Ambient Temperature	0℃~50℃ or 32°F~122°F
Weight (g) / Color	55g / White
Battery / Package	1×3 Volts "CR 2032" Size or Equivalent / White Box
Dimension	165×37×18mm (LCD Size : 58×12mm)
Cat. No. & Price ₩	**A1.H9237** **₩ 54,780 / Ea**

DAIHAN® 2- & 3-row Jumbo Display Thermo-Hygrometer "H9213" & "H9216", for Indoor/Outdoor, ℃/°F & R.H%
With 3m Cord/Probe, Memory Recalling, −50℃+70℃, 20~99.9% R.H, 0.1 Divi, 2 & 3열 실내·외 온습도계

CE



Size :
120×110×25 mm

(1) Jumbo 2-Row Display , "A1.H9213"



Stand & Hanger

■ *온도 및 습도를 센서로 측정하거나 측정프로브를 통해 측정하는 방법 선택 가능*

∗ Ideal for Office, Home, Greenhouse, Laboratory. ∗ (1) Dual or (2) Triple Row Display for Easy Reading.
∗ Comfortable and Uncomfortable Index (Comfort/Warm/Cool). ∗ Jumbo LCD.
∗ 3m Sensor Wire with Probe for Outdoor Temperature Measurement.
∗ (1) Dual or (2) Triple Row Display for Easy Reading. ∗ Temperature Unit ℃/°F Selectable.

(1) With 2-Row Jumbo Display ; On/Off, ℃/°F, Max/Min (℃/°F), Temperature and Humidity, Indoor Humidity Measurement Indoor/Outdoor Temperature Measurement, Memory Recalling.

Specifications & Ordering information ‹L1›

Spec. \ Model	"H9213"
Measurement Range	−50℃+70℃ or −58°F+158°F / 20%~99.9% R.H (No Condensation)
Resolution	0.1° for Whole Range/ 0.1% R.H for Whole Range
Accuracy	±1.0℃ or ±1.8°F In the Range of −20℃+70℃ or −4°F+158°F Otherwise more than ±1.0℃ or ±1.8°F
Ambient Temperature	0℃~50℃ or 32°F~122°F
Weight (g) / Color	165g / White
Battery / Package	2×1.5 Volts "AAA" Size or Equivalent / Sliding Blister with Print Card
Sensor Type	NTC & Humidity External Sensor : 3m Sensor Wire with Probe(L22.5×Φ5.5mm)
Dimension	120×110×25mm (LCD Size : 72×61mm)
Cat. No. & Price ₩	**A1.H9213** **₩ 63,780 / Ea**

CE



Size :
120×110×25 mm

(2) Jumbo 3-Row Display , with Alarm Timer
"A1.H9216"



Stand & Hanger

(2) With 3-Row Jumbo Display, with Alarm Timer ; On/Off, ℃/°F, Max/Min (℃/°F), Temperature and Humidity Memory Recalling, Clock (HH/MM/SS), Alarm/Snooze Set, 12hr or 24hr Format Selectable, Indoor/Outdoor Temperature Measurement, Indoor Humidity Measurement.

Specifications & Ordering information ‹L1›

Spec. \ Model	"H9216"
Measurement Range / Alarm Timer	−50℃+70℃ or −58°F+158°F / 20%~99.9% R.H (No Condensation) Alarm Timer Function
Resolution	0.1° for Whole Range/ 0.1% R.H for Whole Range
Accuracy	±1.0℃ or ±1.8°F In the Range of −20℃+70℃ or −4°F+158°F, Otherwise more than ±1.0℃ or ±1.8°F
Ambient Temperature	0℃~50℃ or 32°F~122°F
Weight (g) / Color	165g / White
Battery / Package	2×1.5 Volts "AAA" Size or Equivalent / Sliding Blister with Print Card
Sensor Type	NTC & Humidity External Sensor : 3m Sensor Wire with Probe(L22.5×Φ5.5mm)
Dimension	120×110×25mm (LCD Size : 72×61mm)
Cat. No. & Price ₩	**A1.H9216** **₩ 66,080 / Ea**

Articles	Cat. No	Description

SciLab® Desktop/Wallmount Thermo-Hygrometer "THE3001", Jumbo LCD Display with 3-row for Humidity · Temperature · Time With 1.5m Probe Cable, Hourly Chime · Daily Alarm · Calendar Display-function, 대형 온습도계



Size :
100×110×21.5 mm

Desktop / Wallmount Thermo-Hygrometer
"SL.THE3001"

* Ideal for Use in Incubators, Dying Chambers, Hoods, Cleanrooms, Cabinets and General Lab Applications
* Function : ① Temperature/Humidity Display ② Max/Min Temperature and Humidity Memory
③ 12/24 Hourly Clock ④ Hourly Chime and Daily Alarm ⑤ Calendar Display

Specifications & Ordering information <L1>

Spec. \ Model	"THE3001"
Measuring Range	(1) Temperature : −50℃+70℃ / −58°F+158°F (2) Humidity : 10~90%RH
Accuracy	(1) Temperature : ±1℃ (1.8°F) (2) Humidity : +5%RH
Resolution	(1) Temperature : 0.1℃ (0.2°F) (2) Humidity : 1%
Dimension / Weight(g)	100×110×21.5 mm (Body), 80×60 mm(LCD)
Sensor Type	NTC & Humidity External Sensor : 1.5m Sensor Wire with Probe(L22.5×φ5.5mm)
Standard Package	Meter / Manual / Plastic Blister Package
Battery	1×AAA 1.5V
Cat. No. & Price ₩	SL.The3001 ₩ 13,530 / Set

DAIHAN® Desktop/Wallmount Dew-point Thermo-Hygrometer of Temp · RH% · DP℃ "THH7" & "THH9", Max/Min, Hold Programmable Danger Zone, Alarm 65dB, Time Clock, 0℃~50℃, 20~90% RH, −20℃+70℃ DP, 탁자/벽걸이용 이슬점 온습도계



B. SD-Card Logging
Dew-point
Thermo-Hygrometer

(DH.THH9 only)

■ *SD카드를 통해 측정 데이터를 저장 및 재확인이 가능한 온습도계*

* Simultaneously Displays Temperature and Humidity
* Temperature Unit ℃/°F Switchable
* Check Humidity Condense Conditions Through Dew Point
* Max/Min Function to Review Data
* Real Time Display(Hour & Minute, AM/PM)
* Programmable Danger Zone for Warning Purpose
* Audible Beeper and Bright Red Led for Danger Zone Warning
* Long Battery Life One year Via Alkaline Battery
* Designed with Capacitance type humidity Sensor to Get Accurate and Quick Reading
* Advanced SD Card Logging Design for Continuous Recording(DH.THH9 only)

Specifications & Ordering information <L1>

Spec. \ Model	A. "THH7"	B. "THH9"
3×Measuring Range	(1) Temp : 0℃~50℃(display : −10.0℃+70.0℃), (2) Humidity : 20~90%RH(Display : 0%~99.9%RH), (3) Dew Point : −20℃+70℃	
2×Accuracy	(1) Temp : ±1℃, (2) Humidity: ±5%RH (at 25℃, 10~90%RH, other ±7%RH)	
2×Resolution	(1) Temp : 0.1℃/°F, (2) Humidity : 0.1%RH	
Temp Response Time	2 mins	
SD Card	-	Max. 2GB SD Card or 4GB SDHC Card
Battery	3×AA Battery	3×1.5Volts AA Battery or 5V Adaptor
Dimension / Weight(g)	110×91×h30mm(LCD Size : 63×70mm) / 200g	
Standard Package	Meter / Battery / Manual / Paper Box	Meter / Adaptor / Manual / Paper Box / 256MB SD Card
Cat. No. & Price ₩	DH.Thh3007 ₩ 124,690 / Ea	DH.Thh3009 ₩ 343,100 / Ea

DAIHAN® Pocket Dew-point Thermo-Hygrometer of Temp · RH% · DP℃ · WB℃ "THH5", Max/Min, Hold Optional External Temp Probe(−20℃+70℃), −20℃+50℃, 0~100% RH, −78.7℃+50℃ DP, 포켓 다기능 이슬점 온습도계



Rotate Cap to
Protect Sensors
Design Patent
Pending

Pocket Dew-point
Thermo-Hygrometer

■ *Supplied by DAIHAN Korea* ■ *간편히 휴대하면서 온습도 측정이 가능한 제품*

* Designed with Capacitance-type Humidity Sensor to get Accurate and Quick Reading
* Simultaneously Triple Display Temp / RH% / External Probe Temp
* Maximum / Minimum and Reset function
* External Probe for Checking Food Quality & HVAC/R Applications
* Temperature unit ℃/°F Selectable
* Auto Power Off time frame Selectable
* Hold function to Freeze current Reading

Specifications & Ordering information <L1>

Spec. \ Model	"THH5"
4×Measuring Range	(1) Temp : −20℃+50℃, (2) Humidity : 0%RH~100%RH, (3) Dew Point : −78.7℃+50.0℃, (4) Wet Bulb : −21.6℃+50.0℃
2×Accuracy	(1) Temp : ±0.6℃, (2) Humidity : ±3%RH (at 25℃, 10~90%RH, other ±5%RH)
2×Resolution	(1) Temp : 0.1℃/°F, (2) Humidity : 0.1%RH
Battery	2×AAA Battery
Dimension / Weight(g)	48.4×178.5×h24.7mm(LCD Size : 28×33 mm) / 100g
Standard Package	Meter / Battery / Manual / Paper Box
Cat. No. & Price ₩	DH.Thh3005 ₩ 174,280 / Set

Option ;	DH.Gas3007.1	① Cal. Salt Bottle for Calibration, 33%, 56㎖	₩ 82,290 / Ea
	DH.Gas3007.2	② , 75%, 56㎖	₩ 82,290 / Ea
	DH.Thh3005.1	③ External Temp Probe, 116cm, with Handle	₩ 37,420 / Ea

※ The Price(VAT is extra) for Korean End-user, and Changeable.

DAIHAN® Handy Dew-point IR Thermo-Hygrometer for Air & Surface Temp · RH% · DP℃ "THH11"

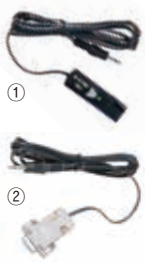
Built in Laser-Beam (670nm), Backlight, PC Data Analysis, −40℃+500℃ IR, 0~100% RH, −68℃+49.9℃ DP, 휴대용 IR 온습도계



Unique Device
Patent Pending.



Hard Carrying Case



① ②

■ *Supplied by DAIHAN Korea* ■ *IR온도계와 습도계 두가지를 동시에 측정 가능한 제품*

∗ The Most Popular IR+ Humidity Two in One Meter ∗ Design with Precision Humidity Sensor
∗ Triple Display Measures Air/Surface Temp & Humidity ∗ Auto Power off Time Adjustable
∗ Gear Damper Device (Design Patent) for Sensor Protection ∗ Temperature Unit ℃/℉ is Switchable
∗ IR Emissivity Value Adjustable 0.3~1.0 ∗ PC Output Data Download
∗ Laser Beam & Backlight Function Selectable ∗ Powered by 4pcs AAA Batteries

Specifications & Ordering information

〈L1〉

Spec. \ Model	"THH11"		
Measure Range	−40℃+500℃	−20℃+50℃	0~100%RH
Resolution	0.1℃ / 0.1℉	0.1℃ / 0.1℉	0.1%RH
Accuracy	±2℃ at 20~200℃, Others is ±3℃	±0.6℃	±3%RH (at 25℃, 10~90%RH, others ±5%RH)
3×Measuring Range	(1) IR Temp : −40℃+500℃, (2) Temp : −20℃+50℃, (3) Humidity : 0~100%RH		
3×Accuracy	(1) IR Temp : ±2℃ at 20~200℃, Others is ±3℃, (2) Temp: ±0.6℃, (3) ±3%RH (at 25℃, 10~90%RH, others ±5%RH)		
3×Resolution	(1) IR Temp : 0.1℃/℉, (2) Temp : 0.1℃/℉, (3) Humidity : 0.1%RH		
Dew Point & Wet Bulb Temp	−68℃+49.9℃ & −21.6℃+49.9℃		
IR Repeatability	±1℃		
Emissivity	0.3~1.0 adjustable		
Dimension / Weight(g)	70×50×h175mm(LCD Size : 44×26mm) / 140g		
Standard Package	Meter / Battery / Manual / Carry Case		
Cat. No. & Price ₩	**DH.Thh3011**		**₩ 392,970 / Ea**

Option ; DH.Gas3013.1	① USB Cable & Software	**₩ 82,290 / Ea**
DH.Gas3013.2	② RS232 Cable & Software	**₩ 82,290 / Ea**

DAIHAN® Temp ℃/℉ & RH% USB Datalogger with PDF Report "THH3", Waterproof(IP65), −30℃+70℃, 0.1~99.9% RH

Auto-Generate a PDF & Excel Report while Plugged into PC, Programmable by Users, 온습도 측정 및 Data 로거



USB Datalogger

■ *Supplied by DAIHAN Korea* ■ *측정 Data를 PC에 연결하여 확인 할 수 있는 USB 형식의 온습도계*

∗ Software & Driver are not required for any operation ∗ High Accuracy Thermistor and Capacitive RH Sensor
∗ Programmable : 6 Language, Sampling Interval, Start Delay, Alarm Delay, Unit, Alarm Range, Alarm Type &c.
∗ Designed with Comprehensive Usage with Waterproof Function(IP65) ∗ EN12830 and RoHS Compliance

Specifications & Ordering information

〈L1〉

Spec. \ Model	"THH3"	
	Temperature	Humidity
Measure Range	NTC Thermistor, −30℃+70℃, −22℉+158℉	Capacitor, 0.1~99.9%RH
Accuracy	±0.5℃	±3% (at 25℃, 10~90%), others ±5%
Resolution	0.1℃ / 0.1℉	0.1%RH
Battery	2×CR2032(3.0 V) Battery	
Dimension / Weight(g)	110×45×h17mm / 80g	
Standard Package	Logger / Manual / Paper Box	
Cat. No. & Price ₩	**DH.Thh3003**	**₩ 184,530 / Ea**

DAIHAN® Temp · Humidity · Barometric Bluetooth Datalogger "THH15", −30℃+70℃, 0.1~99.9% RH, 300~1100hPa

Generate PDF & Excel Report Through APP, Real Time Check without Stopping, Waterproof(IP65), 온습도 및 기압 Data 로거



Bluetooth Datalogger

■ *Supplied by DAIHAN Korea* ■ *측정 Data를 어플리케이션을 통해 실시간으로 볼 수 있으며, 측정 후에도 결과 확인이 가능함*

∗ Programming Logger & Download Data Wirelessly Through Advanced Bluetooth 4.0 Technology
∗ Generate and Send Out PDF Report Through APP Report Contains Data Summary, Graph and Detailed Data
∗ Please Search for "Nice Logger" in APP Store. ∗ EN12830 and RoHS Compliance

Specifications & Ordering information

〈L1〉

Spec. \ Model	"THH15"		
	Temperature	Humidity	Barometric
Measure Range	NTC Thermistor, −30℃+70℃, −22℃+158℉	Capacitor, 0.1~99.9%RH	300~1100hPa 8.9~32.5inHg
Accuracy	±0.5℃	±3% (at 25℃, 10~90%), others ±5%	±3hPa(0~60C), ±5hPa(−20~0C)
Resolution	0.1℃ / 0.1℉	0.1%RH	0.1hPa, 0.1inHg
Ambient Temp	−30℃+70℃, (Humidity < 90%)		
Battery	CR2(3.0 V) Battery×1pc		
Dimension / Weight(g)	70×50×h23mm (Body), 30×18(LCD) / 80g		
Standard Package	Logger / Manual / Paper Box / Battery		
Cat. No. & Price ₩	**DH.Thh3015**		**₩ 236,880 / Ea**

Articles	Cat. No	Description

DAIHAN® WBGT Checker "THE3021", Temp 0℃~50℃ · 0.1~99.9%RH · WBGT 0℃~50℃, with Alarm Function, 70×60×h22mm

Ideal for Outdoor & Indoor Heat Stress Measuring, **휴대용 WBGT 습구흑구 온열지수 측정기, 체감온도 측정, 열사병 예방용**





Wearable Design

WBGT	Flag	Activity Intensity
< 80°F < 26.7℃	White	Normal activity. Caution should be taken.
80-84.9°F 26.7-29.4℃	Green	Discretion is required in planning intense physical activity.
85-87.9°F 29.4-31℃	Yellow	Intense activity for beginners should be curtailed.
88-89.9°F 31-32.2℃	Red	Intense exercise must be curtailed Be on high alert.
> 90°F > 32.2℃	Black	Cancel all outdoor exercise.

■ ***Supplied by DAIHAN Korea***

■ ***WBGT (Wet Bulb Globe Temperature) = 습구흑구 온열지수 : 건구온도 + 습구온도 + 흑구온도 : 기온, 습도, 복사열, 기류 등을 종합적으로 분석해 열에 의해 인간이 받는 스트레스를 나타낸 수치.***

■ ***휴대용, 착용 가능한 제품으로, 야외활동을 주로하는 운동선수나 군인, 산업현장에서의 사용에 유용.***

* Simultaneously Display WBGT, Temperature & RH.
* Programmable Buzzer and Red LED 4 level Danger Zone Warning
* Audible Alarm Volume Adjustable (75 dB / 60 dB / mute)
* Can be used the Tripod to Hold the Checker Vertically for Long Term use.



‹L1›

Specifications & Ordering information

Spec. \ Model	"THE3021"
Temp & Humidity Range (Resolution)	0℃~50℃ & 0.1~99.9% RH (0.1℃ & 0.1% RH)
Temp & Humidity Accuracy	±0.6℃ & ±5%RH (at 25℃, 10~90%RH); others : ±7%RH
Globe Temp & Black Ball Size	0℃~70℃ & Dia. 40mm
WBGT Temp & Alarm Range	0℃~50℃ & 20℃~50℃
Dimensions & Weight	70×60×h22mm (LCD Size : 40×39mm) & 90g
Standard Package	Meter, 2×AAA Battery, Manual, Paper Box, Arm Strap
Cat. No. & Price ₩	**DH.The3021** — **₩ 87,290 / Set**

DAIHAN® Professional WBGT Monitor "THE3023", Temp 0℃~50℃ · 0.1~99.9%RH · WBGT 0℃~50℃, with Alarm Function, 302×75×h36.7mm

Ideal for Outdoor & Indoor Heat Stress Measuring, with Backlight Indicator, **전문가용 WBGT 습구흑구 온열지수 측정기, 열사병 예방용**



Pull up to Protect Sensor Design Patent Pending

WBGT indicator	87785 / 87782	WBGT indicator	87785 / 87782
Green backlight (26.7-29.4℃)		Red backlight (31~32.2℃)	
Yellow backlight (29.4~31℃)		Red ***flashing*** backlight (Above 32.2℃)	

Indicator Display

■ ***Supplied by DAIHAN Korea***

■ ***WBGT (Wet Bulb Globe Temperature) = 습구흑구 온열지수 : 건구온도 + 습구온도 + 흑구온도 : 기온, 습도, 복사열, 기류 등을 종합적으로 분석해 열에 의해 인간이 받는 스트레스를 나타낸 수치.***

■ ***야외활동에서 고온에 대한 적절한 노출 수준 결정을 도와줌 (열사병 예방)***

■ ***흑서의 작업환경이나 산업현장에서의 안전관리 목적으로 사용하기에 적합함.***

* Back Light Indicator Function (Green, Yellow, Red, Flashing red) as WBGT Condition Reminder.
* Easy-to-read Big LCD Display, 6 Dust Proof Rubber Keys.
* One Button Switch to Check Air / Globe temperature & In/Out WBGT.
* Designed with Capacitance Type Humidity Sensor to get Accurate and Quick Reading.
* Hold Function to Freeze Reading and Max/Min Function Included
* Temperature unit ℃/°F Switchable



Can be used with Tripod

‹L1›

Specifications & Ordering information

Spec. \ Model	"THE3023"
Temp & Humidity Range(Resolution)	0℃~50℃ & 0.1~99.9% RH (0.1℃ & 0.1% RH)
Temp & Humidity Accuracy	±0.6℃ & ±3%RH (at 25℃, 10~90%RH); others ±5%RH
Globe Temp(Inside Black Ball)	0℃~80℃
Globe Temp Acc.(Indoor & Outdoor)	±1℃ at 15℃~40℃, others ±1.5℃ & ±1.5℃ at 15℃~40℃, others ±2℃
WBGT Temp & Alarm Range	0℃~50℃ & 20℃~50℃
Dimensions & Weight	302×75×h36.7mm (LCD Size : 50×32mm) & 300g, Black Ball : Dia.75×h75mm
Standard Package	Meter, 4×AAA Battery, Manual, Paper Box
Cat. No. & Price ₩	**DH.The3023** — **₩ 305,190 / Set**

DAIHAN® Heat Stroke Prevention WBGT Monitor "THE3", Temp · RH% · WBGT · Alarm 65dB

Desktop/Wallmount, Programmable Danger Zone, 0℃~50℃, 20~90% RH, WBGT 0℃~60℃, **WBGT 모니터**



W.B.G.T Monitor

■ ***Supplied by DAIHAN Korea*** ■ ***흑서의 작업환경이나 산업현장에서의 안전관리 목적으로 사용하기에 적합***

* Checks Dangerous Heat Conditions through WBGT
* Simultaneously Displays Temperature and Humidity
* Temperature Unit ℃ / °F is Switchable
* Audible Beeper and Bright Red LED for Danger Zone Warning
* Max/Min Function to Review Data
* Real Time Display (Hour & Minute, AM/PM)
* Battery Low indicator

Specifications & Ordering information

‹L1›

Spec. \ Model	"THE3"
3×Measuring Range	(1) Temp : 0℃~50℃ (Display : −10℃+70℃), (2) Humidity : 20 ~ 90%RH (Display : 0 ~ 99.9%RH), (3) WBGT : 0 ~ 60℃
2×Accuracy	(1) Temp : ±1℃ (2) Humidity : ±5%RH (at 25℃, 10 ~ 90%RH, others ±7%RH)
2×Resolution	(1) Temp : 0.1℃/0.1°F, (2) Humidity : 0.1%RH
Temp Response Time	120 Seconds Typical
Dimension / Weight(g)	110×91×h30mm(LCD Size : 63×70 mm) / ~200g
Standard Package	Meter / 3×AA Battery / Manual / Paper Box
Cat. No. & Price ₩	**DH.The3003** — **₩ 124,690 / Set**

※ The Price(VAT is extra) for Korean End-user, and Changeable.

DAIHAN® Non-Contact Precision Healthcare IR Thermometer "The01", Precison 0.1 Divi., *Medicaluse*

With FND Display, Ergonomic Hand Grip, Clinical-mode(32.0℃~43.0℃/±0.3℃) & Object-mode(0℃~100℃/±1.5℃)

비접촉식 적외선 정밀 온도계, 체온계 겸용, 듀얼측정모드

2 Modes;
- Clinical-mode (32.0℃~43.0℃)
- Object-mode (0℃~100℃)

Medicaluse



Non-Contact Precision IR Thermometer with FND Display

- ■ ***Supplied by DAIHAN Korea*** ■ ***PL(Product Liability) Insurance***
- ■ ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
- ■ ***위생적인 비접촉식 측정 방식, 0.5초의 빠른 응답속도***
- ■ ***Personal type Compact Ultra Low Temperature Freezer***
- ■ ***Non-contact Temperature Checker Designed for 32.0℃~43.0℃, 0℃~100.0℃***
- ■ ***Ideal for Checking Body Heat, Bath Water, Milk Temperature and Other Object.***
- ■ ***다양한 온도 측정이 가능한 2종류의 측정 모드***
- ■ ***2×Measuring Mode : (1) Clinical-mode : Ideal for Body Heat, 32.0℃~43.0℃/ ±0.3℃***
  (2) Object-mode : Ideal for Various Object, 0℃~100.0℃/ ±1.5℃

∗ High-quality FND Display ∗ Ergonomic Hand Grip
∗ Fast Response Time : 0.5sec ∗ Temperature Units are °F, ℃(Factory Default : ℃)

Specifications & Ordering information

〈M1〉

Spec. \ Model		"The01"
Measuring Range	Clinical-mode	32.0℃~43.0℃
	Object-mode	0℃~100.0℃
Resolution & Temp Accuracy	Clinical-mode	0.1℃ & ±0.3℃
	Object-mode	0.1℃ & ±1.5℃
Targeting Distance		1~5cm
Battery		2×1.5V Battery(AAA)
Dimension & Weight(g)		40×55×h168mm (FND Size : 26×h28mm) & 108g
Standard Package		Meter, Battery, Manual
Cat. No. & Price ₩		DH.The0100 ₩ 115,000 / Set

DAIHAN® 22℃~41.5℃ Non-Contact Healthcare IR Thermometer "THE19", Precison 0.1 Divi.

Ideal for Surface Temperature Measuring, with Wrist Strap, **비접촉식 적외선 저온정밀 온도계**



Incl. Soft Carry Case

Healthcare IR Thermometer, 22℃~41.5℃

- ■ ***Supplied by DAIHAN Korea***
- ■ ***위생적인 비접촉식 측정 방식, 0.5초의 빠른 응답속도***
- ■ ***Non-contact Temperature Checker Designed for 22℃~41.5℃***
- ■ ***Ideal for Checking Bath Water and Milk Temperature***

∗ Fast Response Time : 0.5sec
∗ Temperature Unit is Factory Default as℃



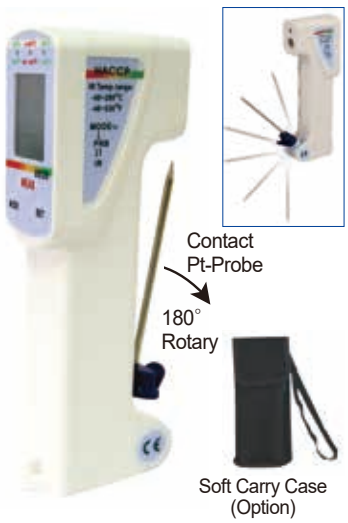


Specifications & Ordering information

〈L1〉

Spec. \ Model	"THE19"
Measuring Range	22℃~41.5℃
Resolution & Temp Accuracy	0.1℃ & ±0.3℃
Targeting Distance	3~5cm
Battery	1×9V Battery
Dimension & Weight(g)	44×40×h170mm (LCD Size : 27×17mm) & 140g
Standard Package	Meter, Battery, Manual, Pouch, Wrist Strap, Paper Box
Cat. No. & Price ₩	DH.The3019 ₩ 153,770 / Set
Spare ; DH.The3019.1	Soft Carry Case(Pouch) 176×75×h35mm, Black for DH.The3019 ₩ 20,140 / Ea

DAIHAN® −40℃+280℃ Waterproof IP65 IR(Infrared)+Contact Pt-Probe Thermometer "THE15", with Laser-pointer, MAX/MIN
With 180° Rotary Piercing Probe 8cm & Timer, Data-hold ℃/°F, **접촉+비접촉 겸용 IR 온도계**



Dual ; IR + Contact Probe
Waterproof, −40℃+280℃

■ ***Supplied by DAIHAN Korea*** ∗ Follow HACCP Principle to Check Food Safety ∗ Certified HACCP
∗ IP65 Waterproof Targeting, Washable Probe ∗ Temperature Unit C / F is Switchable
∗ Quick to Inspect Danger Zone Temperature ∗ Auto Power off in 20 mins Inactivity
∗ Big LCD with Backlight to Display Measured Temperature ∗ Quick and Accurate IR Response Time : 500ms
∗ Flip over Probe for Internal Temperature Measurement ∗ Count down Timer Ensure Food Safety Storage
∗ Built-in Laser to Highlight the Area ∗ Max Reading Displays while in IR Scanning Status

Specifications & Ordering information ‹L1›

Spec. \ Model	"THE15"	
2×Measuring	(1) IR Temp : −40℃+280℃, (2) Probe Temp : −40℃+200℃	
Accuracy	(1) IR Temp : [<0℃(32°F)] : ±1℃(2°F)±0.1, [0℃~65℃(32°F~150°F)] : ±1℃(2°F), [>65℃(150°F)] : ±1.5% of rdg, (2) Probe Temp : [<−5℃(23°F)] : ±1℃(2°F), [−5℃+65℃(23°F~150°F)] : ±0.5℃(1°F), [>65℃(150°F)] : ±1℃ or 1.5% of rdg	
Resolution	(1) IR Temp : 0.1℃/°F, (2) Probe Temp : 0.1℃/°F	
D:S ratio / IR Repeatability / Emissivity	3:1 / ±1℃ / 0.97	
Battery	1×9V Battery or Adaptor	
Dimension / Weight	61.5×35.5×167mm (LCD Size : 21×28mm) / 140g	
Standard Package	Meter / Battery / Manual / Paper Box	
Cat. No. & Price ₩	**DH.The3015**	**₩ 189,130 / Set**
Option ; DH.The3015.1	Soft Carry Case(Pouch) 176×75×h35mm, Black for DH.The3015	**₩ 18,980 / Ea**

DAIHAN® −40℃+500℃ Compact Gun type IR(Infrared) Thermometer "THE13", Comply with FDA Standard Class II
With Ergonomic Hand Grip, ℃/°F, **비접촉 적외선(IR) 온도계**



Gun type IR Thermometer,
−40℃+500℃

■ ***Supplied by DAIHAN Korea*** ∗ Built in Laser Beam(670nm, <1mw) for Targeting.
∗ Adjustable Emissivity from 0.3 to 1.0 for Metal and Non-Metal Surface Measurement.
∗ Product Complies with FDA Standard Class II ∗ Quick and accurate IR Response Time : 500ms.

Specifications & Ordering information ‹L1›

Spec. \ Model	"THE13"	
Measurement Range	−40℃+500℃	
Temp Accuracy	±2% or ±2℃ at −20℃+200℃, others ±3% or 3℃	
Resolution	0.1℃/°F for −40℃+110℃, 1℃/°F for others	
Repeatability / Distance Ratio	±1℃ / 10 : 1	
Battery	1×9V Battery	
Dimension & Weight(g)	80×45×h157mm (LCD Size : 21.8×31.8mm) / 140g	
Standard Package	Meter / Battery / Manual / Paper Box	
Cat. No. & Price ₩	**DH.The3013**	**₩ 199,480 / Set**
Option ; DH.The3013.1	Soft Carry Case(Pouch), Black for DH.The3013	**₩ 18,980 / Ea**

DAIHAN® −40℃+816℃ High Temp IR(Infrared) Thermometer "THE17", with Large LCD & Laser-pointer
With Wrist Strap & Hard Carry Case & Soft Carrying Pouch, ℃/°F, **비접촉 적외선(IR) 온도계**



High Temp IR(Infrared) Thermometer,
−40℃+816℃

■ ***Supplied by DAIHAN Korea***
∗ Built in Laser Beam(670nm, <1mw) for Targeting. ∗ Large LCD w/ Backlight Function.
∗ Quick and accurate IR Response Time: 500ms. ∗ Adjustable Emissivity from 0.3 to 1.0
∗ Rubber-Like Hand Grip Design. ∗ Easy Flip Battery Compartment Design.

Specifications & Ordering information ‹L1›

Spec. \ Model	"THE17"	
Measurement Range	−40℃+816℃	
Temp Accuracy	< 0℃ : ±2℃ / 0℃~300℃ : ±2% or ±2℃ 300℃~500℃ : ±2.5% / > 500℃ : ±3%	
Resolution	0.1℃/°F(<300℃), 1℃/°F(>300℃)	
Distance Ratio / Battery	12 : 1 / 2×AA Battery	
Dimension & Weight(g)	195×134×h50 mm (LCD Size : 34×37mm) / 240g	
Standard Package	Meter / Battery / Manual / Hard Carry Case / Wrist Strap / Soft Carrying Pouch	
Cat. No. & Price ₩	**DH.The3017**	**₩ 299,220 / Set**
Spare ; DH.The3017.1	Soft Carry Case(Pouch) 200×133×h42mm, Black for DH.The3017	**₩ 18,980 / Ea**

※ The Price(VAT is extra) for Korean End-user, and Changeable.

DAIHAN® IP67 Waterproof Digital Thermocouple Thermometer "TC9227A", with K-Probe
With 10 Sets Memories Data Storage, Recalling & Clearing, −100℃+800℃, **방수/휴대용 1채널 디지털 온도계**



Digital Thermocouple Thermometer

∗ Max/Min (°C/°F) Memory Recalling. ∗ EL Backlight for Use in Dim Light Environment.
∗ Alerting Alarm Beeps when Temperature Reaches/Beyond the Pre-set Limit
∗ Built in Holster with Flip Out Stand at the Back of the Unit. ∗ Low Battery Indicator

Specifications & Ordering information
<L1>

Spec. \ Model	"TC9227A"
Measurement Range	−100℃+800℃ or −148°F+1472°F
Resolution & Accuracy	0.1°, and ±2℃
Water Proof & Weight	IP67 and 185g(only main unit) / Grey&Yellow
Battery	3×1.5Volts "AAA" Size or Equivalent
Sensor Type	K - Probe : od.Φ3.5×L110mm Plastic Handle : od.Φ17×L165mm, Cable : od.Φ4×L1050mm
Dimension	54×165×25 mm (LCD Size : 32×23 mm)
Cat. No. & Price ₩	**A1.TC9227A** **₩ 156,190 / Ea**

DAIHAN® Portable Digital 2-Channel Thermocouple Thermometer "T9214T", K・J・E・R・T・N・S-Type Probe Acceptable
With △T=T1−T2・Max-Min・Avg Memory, Without Probe, −200℃+1370℃, 0.1 Divi., **휴대용 2채널 디지털 온도계**



2-Channel Thermocouple Thermometer
with Optional Probes

■ ***Multiple Thermocouple(Type K, J, T, E, N, R, S) Compatible***
∗ 2 Channel Reading (T1 & T2). ∗ Differential Temperature Measurement (△T=T1–T2).
∗ 30 Sets Data Storage ∗ 7″ Large LCD with Function Indicators and Backlight.
∗ Alarm Beeps when Temperature Reaches/ Beyond/ The Pre–Set Limit. ∗ Audible Alarm.
∗ Optional PVC Holster with Flip Out Stand at the Back of the Unit. ∗ Low Battery Indicator.

Specifications & Ordering information
<L1>

Spec. \ Model	"T9214T"
Measurement Range	K-Type : −200℃+1370℃ or −328°F+2498°F, Clock-Timer, Alarm
Resolution	0.1° for Whole Range
Accuracy	±0.05% of Reading +0.3℃(+0.5°F) Below −100℃(+148°F); Add 0.15%
Ambient Temperature	0℃~50℃ or 32°F~122°F
Weight (g) / Color	310 / Yellow·Grey
Battery / Package	Battery Included ; 4×1.5Volts "AAA" Size or Equivalent / White Box
Sensor Type	Type K, J, E, T, N, R, S Thermocouple Acceptable ; Not Include
Dimension	81×172×33 mm (LCD Size : 59×35 mm)
Cat. No. & Price ₩	**A1.T9214T ; Without Probe** **₩ 152,490 / Ea**

※ Option ; K-Probes ⇒ See the 821 Page.

DAIHAN® RS232/PC Data Analysis Thermometer "THE7", with Dual Input & Multiple-Type Probe, Compatible
With Time Clock/Backlight, K・J・T・R・S・E-Probe in Use, −200℃+1370℃ in K-Type, **2채널 다기종 센서 수용 온도계**



■ ***Supplied by DAIHAN Korea***
∗ Non Sleep Mode Function available, Unit ℃/°F is Switchable, Super Big LCD for easy Reading.
∗ RS232 interface for PC download, Data records stamped with real time clock, Backlight for dark area operation.

Specifications & Ordering information
∗ Hold Function to Freeze Current Reading
<L1>

Spec. \ Model	"THE7"
6×Measuring Range	(1) K-temp : −200℃+1370℃, (2) J-temp : −200℃+760℃, (3) T-temp : −200℃+390℃, (4) R-temp : 0℃~1760℃, (5) S-temp : 0℃~1760℃, (6) E-temp : −200℃+736℃
Accuracy	(1) K- / (2) J- / (3) T- / (6) E-temp : ±(0.1% rdg + 0.7℃) (4) R- / (5) S-temp : ±(0.3% rdg + 0.7℃)
Resolution	(1) K-temp : 0.1℃ for −200 ℃+650℃, 1℃ for 640℃~1370℃, (2) J-temp : 0.1℃ for −200℃+500℃, 1℃ for 490℃~760℃, (3) T-temp : 0.1℃ for −200℃+390℃, etc.
Battery	9V×1pc or Adaptor
Dimension / Weight(g)	182×72×h30 mm(LCD Size : 30×51 mm) / 150g
Standard Package	Meter / K Bead Probe / Battery / Manual
Cat. No. & Price ₩	**DH.The3007** **₩ 199,480 / Set**

Spare ;	DH.The3007.1	① 4m K-Bead Thermocouple	₩ 32,430 / Ea
Option ;	DH.Gas3013.1	② USB Cable & Software	₩ 82,290 / Ea
	DH.Gas3013.2	③ RS232 Cable & Software	₩ 82,290 / Ea
	DH.The3007.2	④ Rubber Holster, Blue	₩ 18,980 / Ea



DAIHAN® Wallmount SD-card Logging 4-Channel K-type Thermometer "THE9", −200℃+1370℃

Ultimated Auto-Logging Memories in SD-card, with 2 Bead K-Probe · Alarm · Time Clock, **벽결이 4채널 SD로거/온도계**



SD-Card Logging K-type Thermometer



①

▸ **No-Bothering Computer Setting! Auto-Log Anytime/Anywhere!**

■ ***Supplied by DAIHAN Korea***

∗ Super Big LCD Portable / Wallmount SD-card Logger Measures Temperature via K-type Thermometer
∗ Hold Function Freezers Current Readings, Checking Max / Min Value from Power On ∗ Blue Backlight
∗ One Button Press to Display T1-T2, Display Temperature Change from Baseline ∗ 12/24 hour Timer

Specifications & Ordering information

〈L1〉

Spec. \ Model	"THE9"
K temp range / Resolution	−200℃+1370℃, −328°F+2498°F / 0.1℃, 0.1°F
K temp accuracy	±(0.3% rdg +1℃)
Sampling rate	Programmable from 1 second up
Battery	4×AA Battery 9V adaptor ; Low Battery Indicator
Dimension / Weight(g)	152×100×h39mm(LCD Size : 47×104 mm) / 300g
Standard Package	Meter / 2×Bead Probe / Battery / Manual / SD-card / Plain Box

Cat. No. & Price ₩	**DH.The3009**		**₩ 428,850 / Set**
Option ; DH.The3009.1	① 1m K-Bead Thermocouple		**₩ 27,440 / Ea**
DH.The3009.2	② Universal Plug 9V Adaptor		**₩ 43,920 / Ea**

DAIHAN® Foldable Portable Digital Multi-Thermometer-Set "T9218", with 4 K-type Probe

With 180° Moving Probe Connector, Timer(Count Up), −200℃+1370℃, 0.1 Divi.
With 4 K-Probe for Air · Immers. · Penetrat. · Surface, and Carrying Case, **휴대용 접이식 디지털 온도계 세트**



Foldable/Portable Digital Multi-Thermometer-Set

■ ***Ideal for Multi-use with Multi-Function in Lab & Industry***

∗ Unique Feature of Folding Probe ∗ Four Probes Included ∗ Easy to Operate
∗ Probe Connector is Adjustable Through 45°, 90°, 135°, 180° ∗ CE Approval
∗ Comprehensive and Variety Use ∗ Large LCD ∗ Battery Included
∗ Four Probes Included for Different Measurement (e.g. Surface, Semi-Solid, Air)
∗ Extra Carrying Box for Easy and Protective Storage ∗ High Degree of Accuracy

Function : On/Off, Hold/Test, ℃/°F, Max/Min (℃/°F) Memory Recalling, and Timer.

Specifications & Ordering information

〈L1〉

Spec. \ Model	"T9218"
Measurement Range	−200℃+1370℃ or −328°F+2498°F, Timer
Resolution	0.1° for Whole Range
Accuracy	±1.0℃ or ±1.8°F In the Range of −49℃+740℃ or −56.2°F+1364°F, Otherwise more than ±2.0℃ or ±4°F
Ambient Temperature	0℃~50℃ or 32°F~122°F
Weight (g) / Color	80 / Black
Battery / Package	2×3Volts "CR 2032" Size or Equivalent / Black Carrying Case
Sensor Type	Included 4×Type K Thermocouple
Dimension	153×50×19 mm (LCD Size : 50×22 mm)

Cat. No. & Price ₩	**A1.T9218**	**₩ 162,650 / Ea**
Spare ; A1.TK069T	① Surface Probe, K-type	**₩ 59,150 / Ea**
; A1.TK066A	② Airflow Probe, K-type	**₩ 55,470 / Ea**
; A1.TK148O	③ Immersion Probe, Round, K-type	**₩ 53,140 / Ea**
; A1.TK133S	④ Penetration Probe, K-type	**₩ 47,140 / Ea**



Digital Temp Controller/Displayer for K-type Probes

With Female Minisocket for Miniplug, −50℃+400℃, **디지털 온도측정/조절계**

■ ***Ideal for Temp Control of Reactor-system***

∗ Ideal for Temperature Monitor / Controller for Reactor System
∗ With K-type Probe Connector & Electronic Cable 2m
∗ Jumbo LCD with Digit Height 18mm ∗ 100~240VAC Free
∗ Dimension : 90×70×h50mm ∗ High Accuracy

※ **Note : The Controller Can be used in other Cable & Plug System.**

〈L1〉

		Ea.	Price, ₩
SL.The5011	Digital Temp Controller/Displayer-Set, –50℃+400℃, K-type		300,000

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description

Cowie® K-type PTFE Encapsulated Stainless-steel Thermocouple Probe, Can be Bent, −180℃+280℃
With Miniplug & PFA Insulated 1m & 2m Cable, Probe Body L100~900mm, PTFE **내약품/내부식 청결형 온도 프로브**



■ ***Made in UK.*** ■ ***Ideal for Reactor : Especially Long Body Probes***
∗ Outstanding Chemical Resistance, No-Contamination of Working Media, and Pressure Resistant
∗ Fully Pure PTFE Encapsulated Stainless-steel Core Probe for Rigidity, But can be Bent
∗ with Push-On Ferrule ∗ Response : 50% in 6~14 seconds, -180℃+280℃

(1) With L100~L700mm Probe-body and 1m Cable

〈L1〉

		Ea. Price,₩
CW.600.101.1	PTFE Capsulated K-probe, Body-Φ6×L100, Ferrule-L35mm, Total -L135mm	117,530
CW.600.201.1	-Φ7×L200, -L40mm, -L240mm	127,500
CW.600.301.1	-Φ8×L300, -L40mm, -L340mm	138,200
CW.600.401.1	-Φ8×L400, -L50mm, -L450mm	147,380
CW.600.501.1	-Φ9×L500, -L60mm, -L560mm	168,470
CW.600.601.1	-Φ9×L600, -L60mm, -L660mm	184,980
CW.600.701.1	-Φ9×L700, -L45mm, -L745mm	214,100

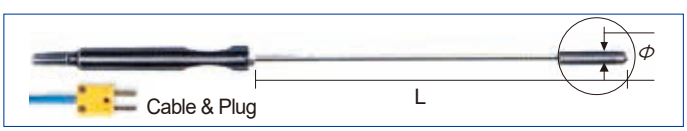
(2) With L900mm Probe-body and 2m Cable

		Ea. Price,₩
CW.600.901.1.2	PTFE Capsulated K-probe, Body-Φ9×L900, Ferrule-L45mm, Total-L945mm	248,990

K-type Thermocouple Probe, for Wide-range Temp −100℃+1000℃
With Common use Plug "Miniature 2 Flat" and Cable, **"K-형" 온도계 & 각종 열기구 온도 프로브**

■ ***K-Type Sensor Probes for Different Applications (Penetration Probe, Surface Probe, Pipe Clamp)*** ■ ***Cable : od.Φ3×L1020mm***
■ ***Miniature 2 Flat (L14× Thick 1mm) Plug Type*** ■ ***Handle : Thermo Plastic od.Φ17×L170mm***

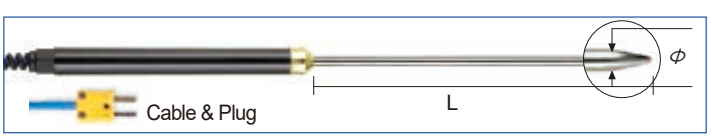
(1) For Liquid & Air, Stainless-steel Probe, Resin Handle with Cable/Plug, −60℃+700℃



〈L2〉

		Ea. Price, ₩
SL.The7193	Liquid/ "K", −40℃+700℃, Φ1.0×L306mm, 1m Cable/Plug	185,250
DH.WHP503040	, −60℃+600℃, Φ4.8×L250mm, 1.8m Cable/Plug	61,300
DH.WHP503050	, −60℃+500℃, Φ4.8×L380mm, 1.8m Cable/Plug	63,800

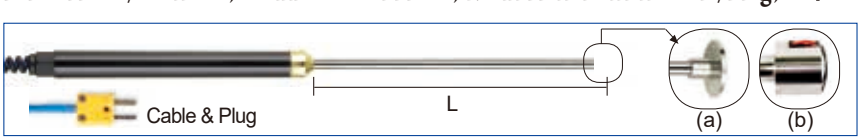
(2) For Semi - solid Penetration-type, Stainless-steel Probe, Resin Handle with Cable/Plug, −100℃+1000℃



〈L1〉

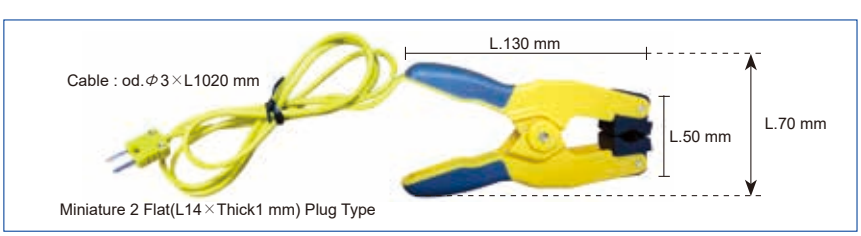
		Ea. Price, ₩
A1.TK175S	Penetration Probe "K", −100℃+800℃ , Φ3.2×L150mm, 1m Cable/Plug	73,940
A1.TK225S	, −100℃+1000℃, Φ6.4×L200mm, 1m Cable/Plug	86,880

(3) For Surface / Contact, Stainless-steel Probe, Resin Handle with Cable/Plug, −100℃+400℃



		Ea. Price, ₩
A1.TK004T	(a) Surface Probe "K", Head : Φ15×t1.5, Stem : Φ3.5×L180mm, −100℃+400℃,1m Cable/Plug	91,500
A1.TK033T	(b) : Φ16×t14 , Stem : Φ6.5×L215mm, −100℃+400℃,1m Cable/Plug	91,950

(4) Pipe Clamping Probe, with Cable Plug, −100℃+120℃



		Ea. Price, ₩
A1.TK0063	Pipe Clamp Probe, Pipe / Tubing, Φ6~22mm Grip, −100℃+120℃	57,770

DAIHAN® IP67 Waterproof Digital Thermocouple Thermometer "T9234", with 1 NTC-Probe
With 10 Sets Memories Data Storage, Recalling & Clearing, −50℃+300℃, 방수/휴대용 1채널 디지털 온도계



* Max/Min (℃/°F) Memory Recalling.
* 1 Second Normal Temperature Sensing Time.
* Alerting Alarm Beeps when Temperature Reaches/Beyond the Pre–set Limit
* EL Backlight for Use in Dim Light Environment.
* Optional One Hour Auto Shut Off
* Supplied with Sensor Probe and Plastic Handle Assembled Together
* CE Approval.
* PVC Holster with Flip Out Stand at the Back of the Unit.
* Low Battery Indicator.

Specifications & Ordering information

〈L1〉

Spec. \ Model	"T9234"	
Measurement Range	−50℃+300℃ or −58°F+572°F	
Resolution	0.1℃ for −19.9℃+199.9℃, Otherwise 1℃	
Accuracy	±1.0℃ or ±1.8°F In the Range of −30℃+250℃ or −22°F+482°F Otherwise more than ±2.0℃ or ±4°F	
Ambient Temperature	0℃~ 50℃ or 32°F~122°F	
Weight(g) / Color / Water Proof	280 / Grey · Yellow / IP 67	
Battery / Package	2×1.5Volts "AAA" Size or Equivalent / White Box	
Sensor Type	NTC Probe : od.Φ3.5×L110mm Plastic Handle : od.Φ17×L120mm, Cable : od.Φ4×L1450mm	
Dimension	77×172×46mm (LCD Size : 51×32 mm)	
Cat. No. & Price ₩	**A1.T9234**	**₩ 116,900 / Ea**

DAIHAN® IP67 Waterproof Digital 2-Channel Thermocouple Thermometer "T9234T", with 2 NTC-Probe
With 10 Sets Memories Data Storage, Recalling & Clearing, −50℃+300℃, 방수/휴대용 2채널 디지털 온도계



* Convenient Function for Calculating Differential Temp-Measurement (△T = T1 – T2).
* Alerting Alarm Beeps when Temperature Reaches/Beyond the Pre-Set Limit
* CE Approval.
* 1 Second Normal Temperature Sensing Time.
* EL Backlight for Use in Dim Light Environment.
* Low Battery Indicator.
* Universal Kit Set with Two Stainless-steel Probes Together.

Specifications & Ordering information

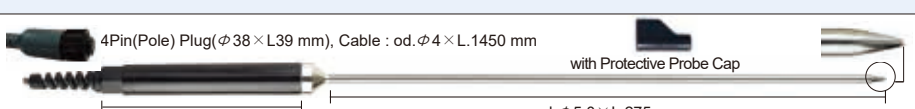
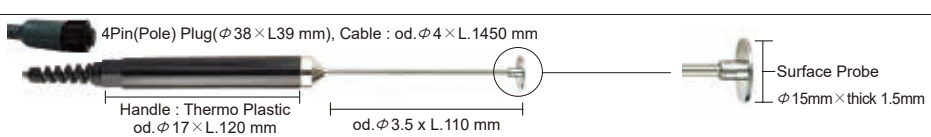
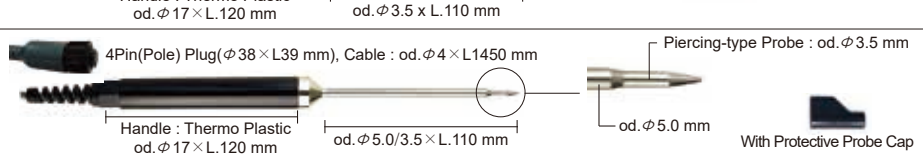
〈L1〉

Spec. \ Model	"T9234T"	
Measurement Range	−50℃+300℃ or −58°F+572°F	
Resolution	0.1℃ for −19.9℃+199.9℃, Otherwise 1℃	
Accuracy	±1.0℃ or ±1.8°F In the Range of −30℃+250℃ or −22°F+482°F Otherwise more than ±2.0℃ or ±4°F	
Ambient Temperature	0℃~ 50℃ or 32°F~122°F	
Weight(g) / Color / Water Proof	280 / Grey · Yellow / IP 67	
Battery / Package	2×1.5Volts "AAA" Size or Equivalent / White Box	
Sensor Type	NTC Probe : od.Φ3.5×L110mm Plastic Handle : od.Φ17×L120mm, Cable : od.Φ4×L1450mm	
Dimension	77×172×46 mm (LCD Size : 51×32 mm)	
Cat. No. & Price ₩	**A1.T9234T**	**₩ 156,190 / Ea**

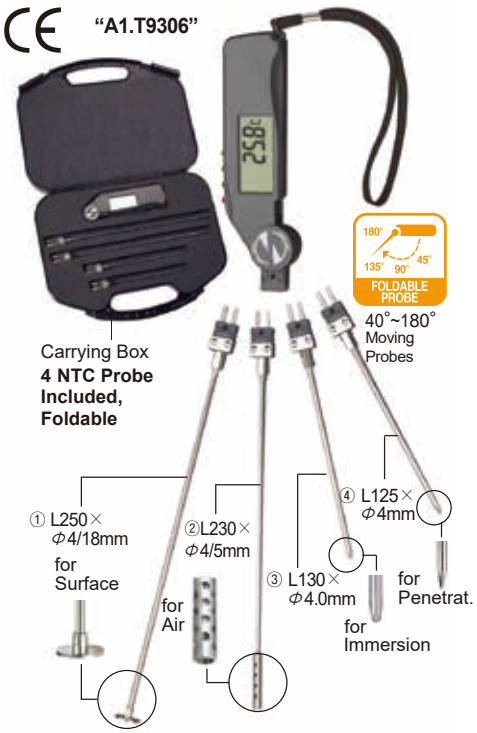
DAIHAN® NTC-type Probe, for NTC-type Thermocouple Thermometer

(1) Penetration Probe : Suitable Semi-Solid, Liquid, Air-Temperature.
(2) Surface Probe : Superior Contact, Plate-Temperature.
(3) Robust Piercing Probe : Stronger Penetration Force, Rapid Response Time, Suitable for Frozen Food.

〈L1〉

Cat. No.	Dimension	Temperature °C / °F / Others	Ea. Price, ₩
(1) **A1.TN0300**		**Penetration,** −50℃+300℃ / −58°F+572°F, Very Sharp Tip	69,320
(2) **A1.TN133T**		**Surface,** −50℃+300℃ / −58°F+572°F, Thin/Flat Disk	62,390
(3) **A1.TN332C**		**Robust Piercing,** −50℃+300℃ / −58°F+572°F, Stronger Penetration Force	62,390

※ The Price(VAT is extra) for Korean End-user, and Changeable.



DAIHAN® Foldable Handy Digital Multi-Thermometer Set "T9306"

With 4 NTC-Probe & 180° Moving Probe, −50℃+300℃, **휴대용 접이식 온도계 세트**

■ 4가지 타입의 NTC 온도 프로브를 포함하고 있는 접이식 온도계 세트 ∗ CE Approval.

∗ Stainless-steel Probe Adjusts From 0° to 180°. ∗ Jumbo LCD with Digit Height 18mm.

∗ Low Battery Indicator. ∗ Black Carrying Case with EVA Foam for Protective and Convenient Carriage.

∗ 1 Second Normal Temperature Sensing Time.

Specifications & Ordering information

〈L1〉

Spec. \ Model	"T9306"
Measurement Range	−50℃+300℃ or −58°F+572°F
Resolution	0.1℃ for −19.9℃+199.9℃, Otherwise 1℃
Accuracy	±1.0℃ or ±1.8°F In the Range of −30℃+250℃ or −22°F+482°F, Otherwise more than ±2.0℃ or ±4°F
Ambient Temperature for Plastic Case	0℃~50℃ or 32°F~122°F
Sensor Type	Included 4 Type NTC Thermocouple
Battery	1×1.5Volts "A76" Size (LR44, G13) or Equivalent
Color	Grey
Dimension & Weight	154×41×17mm (LCD Size : 50×23mm) & 65g
Package	Black Carrying Case with EVA foam
Cat. No. & Price ₩	**A1.T9306** **₩ 129,380 / Ea**

DAIHAN® Module Handy Solar Digital Thermometer "T9277B", Max/Min

With 2 of Internal Sensor & 1m External Cable/NTC-Probe, −50℃+300℃, 0.1/1.0℃ Divi., **태양광 충전 온도계**



Module/Handy Digital Thermometer

■ 태양광 충전을 통해 작동 가능한 휴대용 온도계

∗ 1m Wire with Stainless-steel Probe.

∗ Strong Magnet for Easy Attachment.

■ Unique Design of Using Solar Energy

∗ 1 Second Normal Temperature Sensing Time.

∗ CE Approval.

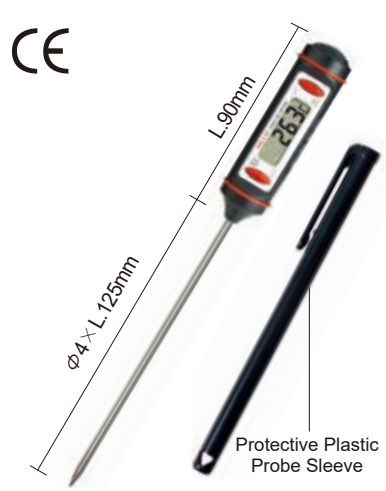
Specifications & Ordering information

〈L1〉

Spec. \ Model	"T9277B"
Measurement Range	−50℃+300℃ or −58°F+572°F
Resolution	0.1℃ for −19.9℃+199.9℃, Otherwise 1℃
Accuracy	±1.0℃ or ±1.8°F In the Range of −30℃+250℃ or −22°F+482°F, Otherwise more than ±2.0℃ or ±4°F
Ambient Temperature	0℃~50℃ or 32°F~122°F
Sensor Type	External Sharp NTC-Probe : od.Φ3.2×L46mm with 1m Cable
Battery	1×1.5Volts "A76" Size (LR44, G13) or Equivalent
Package / Color	Sliding Blister with Print Card / Green
Dimension & Weight	103×43×16mm (LCD Size : 41×15mm) & 70g
Cat. No. & Price ₩	**A1.T9277B** **₩ 43,920 / Ea**

DAIHAN® Pocket Clip Digital Thermometer "T9307", Pen-Shape, L.125mm NTC-Probe Type

With Protective Plastic Sleeve/Pocket Clip, −50℃+300℃, 0.1/1.0℃ Divi., **포켓형 디지털 온도계(포켓 클립형)**



∗ 4mm Diameter of Stainless-steel Probe which Good for Solid Measurement.

∗ Instant and Precision Temperature Display. ∗ 1 Second Normal Temperature Sensing Time.

∗ Large LCD Display with Digit Height 10mm. ∗ CE Approval. ∗ Pen–Shaped Design

Specifications & Ordering information

〈L1〉

Spec. \ Model	"T9307"
Measurement Range	−50℃+300℃ or −58°F+572°F
Resolution	0.1℃ for −19.9℃+199.9℃, Otherwise 1℃
Accuracy	±1.0℃ or ±1.8°F In the Range of −30℃+250℃ or −22°F+482°F, Otherwise more than ±2.0℃ or ±4°F
Ambient Temperature	0℃~50℃ or 32°F~122°F
Weight (g) / Color	35 / Black
Battery / Package	1×1.5 Volts "A76" Size (LR44, G13) or Equivalent / Sliding Blister with Print Card
Sensor Type	NTC-Probe : od.Φ4×L125mm
Dimension	215×27×27mm (LCD Size : 35×11mm)
Cat. No. & Price ₩	**A1.T9307** **₩ 34,670 / Ea**

DAIHAN® Metal Housing Waterproof (IP67) Thermometer "ST9341C", with Z-Clip & Protective Plastic Sleeve

Ideal for Kitchen or Lab, Max/Min, with NTC-Probe, −50℃+150℃, **메탈 디지털 방수 온도계(조절 가능 Z클립)**



Metal Housing Waterproof(IP67) Thermometer

* Unique Design of Metal Pulling Housing
* 2 Points Block Design to Prevent Product Rolling
* Main Unit Heat Resistance to 90℃
* Waterproof IP67 Rated
* Dishwasher Safe
* **▶Z-Clip ; You can Adjust the Immension Depth**

Specifications & Ordering information

〈L1〉

Spec. \ Model	"ST9341C"	
Measurement Range	−50℃+150℃ or −58°F+302°F	
Resolution	0.1℃	
Accuracy	±1℃	
Ambient Temperature	0℃~50℃ or 32°F~122°F	
Weight (g) / Color	30(g) / Silver	
Battery	1×1.5 Volts "393" Size or Equivalent	
Sensor Type	NTC-Probe : od.Φ4×L122mm	
Dimension	146×37×37 mm (LCD Size : 24×12mm)	
Cat. No. & Price ₩	**A1.ST9341C**	**₩ 36,980 / Ea**

DAIHAN® Waterproof Pocket Digital Thermometer "T9231C", Max/Min, Extension Handle, with NTC-Probe

With Protective Sleeve/Pocket Clip, −50℃+300℃, 0.1/1.0℃ Divi., **포켓형 디지털 방수 온도계(손잡이 가변형)**



Waterproof / Pocket Digital Thermometer

* Pen-Shaped Design.
* Waterproof : IP 67.
* Convenient Use of Hanger.
* Ingenious Design of Using Probe Sleeve Vent Hole as a Holder
* Connecting Probe Sleeve to Head of Unit as a Handle Extension.
* CE Approval.
* Press Button Membrane Keypad Function and Display.
* 1 Second Normal Temperature Sensing Time.

Specifications & Ordering information

〈L1〉

Spec. \ Model	"T9231C"	
Measurement Range	−50℃+300℃ or −58°F+572°F	
Resolution	0.1℃ for −19.9℃+199.9℃, Otherwise 1℃	
Accuracy	±1.0℃ or ±1.8°F In the Range of −30℃+250℃ or −22°F+482°F, Otherwise more than ±2.0℃ or ±4°F	
Ambient Temperature	0℃~50℃ or 32°F~122°F	
Weight (g) / Color	40 / Black	
Battery / Package	1×1.5 Volts "A76" Size (LR44, G13) or Equivalent / Sliding Blister with Print Card	
Sensor Type	NTC-Probe : od.Φ4×L115mm	
Waterproof	IP 67	
Dimension	206×13×19mm (LCD Size : 25×8mm)	
Cat. No. & Price ₩	**A1.T9231C**	**₩ 30,040 / Ea**

※ The Price(VAT is extra) for Korean End-user, and Changeable.

DAIHAN® Handy Waterproof Multi-Thermometer "T9304C", with Rubber Coated-Housing/-Hanger
With Detachable Φ5×L280mm Long NTC-Probe, −50℃+300℃, 0.1/1.0℃ Division, **다용도 방수 온도계(분리형 온도센서)**



* Unique Design of Probe Changeable Unit.
* 1 Second Normal Temperature Sensing Time.
* Supplied with Longer and Broader (280mm×Φ5mm) Probe Together.
* Waterproof Function : IP 67.
* Rubber Coated Housing and Hanger.
* Flexible for Multi Usage.
* CE Approval.

Specifications & Ordering information
〈L1〉

Spec. \ Model	"T9304C"	
Measurement Range	−50℃+300℃ or −58°F+572°F	
Resolution	0.1℃ for −19.9℃+199.9℃, Otherwise 1℃	
Accuracy	±1.0℃ or ±1.8°F In the Range of −30℃+250℃ or −22°F+482°F, Otherwise more than ±2.0℃ or ±4°F	
Ambient Temperature	0℃~50℃ or 32°F~122°F	
Weight (g) / Color / Waterproof	275 / Grey · Yellow, IP 67	
Battery / Package	1×1.5Volts "A76" Size (LR44, g13) or Equivalent / White Box	
Sensor Type	NTC-Probe : od.Φ6×L275mm(with Connection 325mm)	
Dimension	59×127×22mm (LCD Size : 39×35mm)	
Cat. No. & Price ₩	**A1.T9304C**	**₩ 101,670 / Ea**

DAIHAN® Waterproof Handy Multi-Thermometer "T9314C", with Adjustable Hanger & NTC-Probe, −50℃+300℃
With Jumbo LCD, Max/Min, High-/Low-Alarm, Jumbo LCD, 0.1/1.0℃ Divi., **포켓형 디지털 방수 온도계(조절 가능 행거)**



* Designed for Comprehensive of Use.
* Rubber Coated Adjustable Hanger.
* Press Button Membrane Keypad Function and Display.
* Alarm Beeps when Temperature Reaches/ Beyond the Pre-Set Unit.
* 1 Second Normal Temp Sensing Time.
* Jumbo LCD Display with Digit Height 18mm.

Specifications & Ordering information
〈L1〉

Spec. \ Model	"T9314C"	
Measurement Range	−50℃+300℃ or −58°F+572°F	
Resolution	0.1℃ for −19.9℃+199.9℃, Otherwise 1℃	
Accuracy	±1.0℃ or ±1.8°F In the Range of −30℃+250℃ or −22°F+482°F, Otherwise more than ±2.0℃ or ±4°F	
Ambient Temperature	0℃~50℃ or 32°F~122°F	
Battery / Package / Waterproof	1×1.5V "A67" Size(LR44, G13) or Equivalent / Sliding Blister with Print Card, IP 67	
Sensor Type	NTC-Probe : od.Φ4×L115mm	
Dimension & Weight	210×53×18mm (LCD Size : 32×30mm) , 70g	
Cat. No. & Price ₩	**A1.T9314C**	**₩ 60,080 / Ea**

DAIHAN® Waterproof Handy Corkscrew Heavy-Duty Thermometer "T9311C", for Frozen Food & Solid
With Φ8mm Corkscrew NTC-Probe, Protective Sleeve, −50℃+300℃, 0.1/1.0℃ Divi., **나사형 방수 온도계**



* Rugged Heavy Duty Design.
* Corkscrew Probe with 8mm Diameter.
* 1 Second Normal Temperature Sensing Time.
* CE Approval.
* Protective Plastic Probe Sleeve with Pocket Clip
* Waterproof : IP 67.

Specifications & Ordering information
〈L1〉

Spec. \ Model	"T9311C"	
Measurement Range	−50℃+300℃ or −58°F+572°F	
Resolution	0.1℃ for −19.9℃+199.9℃, Otherwise 1℃	
Accuracy	±1.0℃ or ±1.8°F In the Range of −30℃+250℃ or −22°F+482°F, Otherwise more than ±2.0℃ or ±4°F	
Ambient Temperature	0℃~50℃ or 32°F~122°F	
Weight (g) / Color / Waterproof	75 / Ivory White, IP 67	
Battery / Package	1×1.5Volts "A76" Size (LR44, G13) or Equivalent / Sliding Blister with Print Card	
Sensor Type	NTC-Probe : od.Φ8×L100mm	
Dimension	161×100×30mm (LCD Size : 35×11mm)	
Cat. No. & Price ₩	**A1.T9311C**	**₩ 64,350 / Ea**

Alla® Folding Oven Thermometer "91000.003F", with 1m Stainless Cable & NTC-Probe, Timer · Alarm · Clock, up to 300℃/572°F

With 1m Stainless Cable & Probe, "Cable-Stay- in Oven", 1°- Display, "23hr-59min-59sec" Timer, **접이식 오븐 온도계**



90° Screen Folding

■ ***Supplied by Alla® in France***

* Useable Thermometer Acts as Great Helper in Kitchen.
* Monitoring of Internal Temperature by Probe
* Comprehensive Multi-Functional Device for Temperature and Alarm Checking.
* With Waterproof Probe (IP 67) and Supplied with 1m Stainless-steel Cable
* Battery & Protective Plastic Probe Cap Included
* Magnet at the Back for Easy Attachment
* Maximum Count : 23 : 59 : 59 (hr : min. : sec)
* In Blister Packaging

Function : On/Off, ℃/°F, Timer, Clock, Alarm, High/Low Alarm

〈L1〉

Spec. \ Model	"91000.003F"
Measurement Range	0℃~300℃(1℃) / 32°F~572°F
Resolution	1℃
Accuracy	±1℃/ 1.8°F between 0℃~150℃/ 32°F~302°F ±3℃/ 5.4°F between 150℃~300℃/ 302°F~572°F
Battery	2×1.5 Volts "AAA" Size
Dimension (mm)	Folding Screen : 125×70×10mm (LCD Size : 50×35mm) Probe & Cable : 150mm×Φ4mm Probe & 100cm Cable
Cat. No. & Price ₩	**AL.91000.003F** — **₩ 81,730 / Ea**

DAIHAN® Digital Soil Thermometer "T9233C", with 0~180° Moving Head

With large LCD Display, Pocket-type, −50℃+300℃, 0.1℃, **토양 온도계, 180° 무빙헤드**



Pocket Digital Thermometer "A1.T9233C"

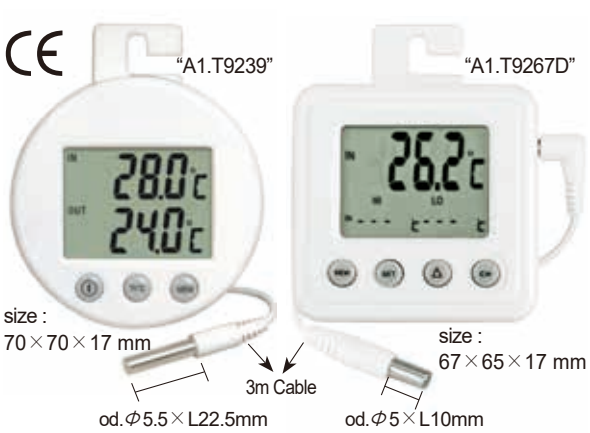
* Unique Moving Head for Different Viewing Angle.
* Large LCD Display with Digit Height 10mm.
* Reduced Tip for Stronger Penetration Force.
* Supplied with Protective Probe Cap.
* 1 Second Normal Temperature Sensing Time.
* CE Approval.

〈L1〉

Spec. \ Model	"T9233C"
Dimension	191×53×53 mm (LCD Size : 37×13 mm)
Measurement Range	−50℃+300℃ or −58°F+572°F
Resolution	0.1° for -19.9° +199.9°, Otherwise 1°
Accuracy	±1.0℃ or ±1.8°F In the Range of −30℃+250℃ or −22°F+482°F, Otherwise more than ±2.0℃ or ±4°F
Ambient Temperature	0℃~50℃ or 32°F~122°F
Weight (g) / Color	40 / Black
Battery / Package	1×1.5 Volts "A76" Size (LR44, G13) or Equivalent / Sliding Blister with Print Card
Sensor Type	NTC-Probe : od.Φ5/3×L120mm
Cat. No. & Price ₩	**A1.T9233C** — **₩ 37,900 / Ea**

DAIHAN® Jumbo 2-row display Indoor/Outdoor Digital Thermometer "T9239" & "T9267D", with NTC-Probe & 3m Cable, Max/Min

With Flip Out Stand · Hanging Hole · Magnet for Attachment, −50℃+70℃, 0.1℃ Divi., **실내/외용 디지털 온도계(2열 표시)**



Jumbo 2-row Display Digital Thermometer

* Ideal for Office, Home, Laboratory, etc.
* Dual Row Display for Easy Reading.
* Indoor/Outdoor Temperature Display.
* Pocket Size with Large LCD Display.
* Flip Out Stand, Hanging Hole and Strong Magnet at the Back for Easy Attachment.
* 3 Meters Sensor Wire with Probe for Outdoor Temperature Measurement.
* CE Approval.

〈L1〉

Spec. \ Model	"A1.T9239"	"A1.T9267D"
LCD Size	LCD Size : 30×40 mm	
Measurement Range	−50℃+70℃ or −58°F+158°F	
Resolution	0.1 for Whole Range	
Accuracy	±1.0℃ or ±1.8°F In the Range of −20℃+70℃ or −4°F+158°F Otherwise more than ±1.0℃ or ±1.8°F	
Ambient Temperature	0℃~50℃ or 32°F~122°F	
Weight (g) / Color	70(g) / White	82(g) / White
Battery	1×1.5 Volts "A76" Size (LR44, G13) or Equivalent	
Dimension	70×70×17mm	67×65×22mm
Cat. No. & Price ₩	**A1.T9239** — **₩ 26,350 / Ea**	**A1.T9267D** — **₩ 23,120 / Ea**

※ The Price(VAT is extra) for Korean End-user, and Changeable.

DAIHAN® −100℃+300℃ Low-High HACCP Precise Pt-100 Thermometer with Timer "THE5", Max · Min · Evg.

Ideal for Foodstuff, with IP67 Waterproof, 99Points Data Record, Alarm & Temp-Programmable, 0.01℃/°F, **정밀 백금 센서 저온-고온 온도계**



■ ***Supplied by DAIHAN Korea***

- ∗ ℃/°F Switchable
- ∗ Max./Min./Avg. Reading Display
- ∗ Hold Function to Freeze Current Reading
- ∗ Countdown Timer Function Included
- ∗ Rigid Housing Design and the Most Accurate Pt100 Probe
- ∗ Complete Set IP67 Waterproof and Washable in Washing Machine
- ∗ Green/Red Dual Color Backlight to` Indicate Temp. Hazard
- ∗ Temp. High Alarm Threshold Programmable

Specifications & Ordering information

<L1>

Spec. \ Model	"THE5"
Measure Range	−100℃+300℃
Resolution	0.01℃ / 0.01°F
Accuracy	±0.15℃
Temp. Response Time	3 mins
RTD Probe Size (mm)	Length - 150mm Diameter - 3.2mm Handle Length - 100mm, Cable Length - 1100mm
Battery	6×AAA Battery
Dimension / Weight(g)	169×78.3×h34.4 mm (LCD Size : 54×32.5mm) / 200g
Standard Package	Meter / RTD Probe / Stainless Holder / Battery / Manual
Cat. No. & Price ₩	**DH.The3005** — **₩ 436,340 / Set**

, Digital USB Dataloggers 온도 데이터 로거

DAIHAN® Single Use USB Cold Chain Temperature Datalogger "THE3035", with PDF Report, Waterproof (IP65), −30℃+70℃

Auto-Generate a PDF & Excel Report, Programmable by Users, **일회용 콜드체인 온도 Data 로거**



■ ***Supplied by DAIHAN Korea***

■ ***온도 값을 측정하고 기록하여 사용자의 필요에 따라 Excel 또는 PDF 형식으로 보고서 생성이 가능함.***

■ ***Temperature Values can be Measured and Recorded to Generate Reports in Excel or PDF Format by the User.***

■ ***USB-type Product : Can be Used by Simply Connecting to a PC without Having to Install any Software.***

∗ IP65 waterproof bag could provide the moisture barrier properties of data logger.

Specifications & Ordering information

<L1>

Spec. \ Model	"THE3035"
Measure Range (Resolution) & Accuracy	−30℃+70℃, −22°F+158°F (0.1℃, 0.1°F) & ±0.5℃
Sampling Point & Interval	8,192 readings & 30 seconds, 5, 10, 30, 60, 90, 120 minutes
Dimensions & Weight	80×43×2.5mm, 105×55×h2.5 mm(with Bag) & 10g
Standard Package & Battery	Logger, Manual, Paper Box, 1×3.0V CR2032 Battery
Cat. No. & Price ₩	**DH.The3035** — **₩ 41,420 / Ea**

DAIHAN® LCD Temperature Datalogger "DL104", 62000 Sets of Data

With USB Cable, −20℃+70℃, **데이터 로거**



- ∗ Instant current temperature read-out
- ∗ Hanging hole and magnet for easy mounting
- ∗ Completed with hidden buttons to avoid unexpected operation
- ∗ Works on Windows XP / Vista / 7 or above

Specifications & Ordering information

<L1>

Spec. \ Model	"DL104"
Measure Range (Resolution) & Accuracy	−20℃+70℃ or −4°F+158°F(0.1℃) &.±1℃
Mode of recording	One-time, Endless Loop (overwriting), End At
Data Capa. and Waterproof	62000 sets of data, and IP×5
Battery	1×3 volts "CR2032" size or equivalent×2
Log interval	1/2/5/10/15/30 seconds, 1/2/5/10/15/30/60/90/120 minutes
Dimension	41×60×23mm (LCD Size : 28×18mm)
Cat. No. & Price ₩	**A1.DL104** — **₩ 60,080 / Ea**

Articles	Cat. No	Description

DAIHAN® Temperature USB 2.0 Datalogger "THE3031", with PDF Report, Waterproof (IP67), −30℃+70℃
Auto-Generate a PDF & Excel Report, Programmable by Users, USB Type 온도 Data 로거



USB Datalogger

■ ***Supplied by DAIHAN Korea***
■ ***온도 값을 측정하고 기록하여 사용자의 필요에 따라 Excel 또는 PDF 형식으로 보고서 생성이 가능함.***
■ ***USB형식의 제품으로 별도의 소프트웨어 설치 필요없이 PC에 연결만 하면 사용할 수 있음.***
■ ***Temperature Values can be Measured and Recorded to Generate Reports in Excel or PDF Format by the User.***
■ ***USB-type Product : Can be Used by Simply Connecting to a PC without Having to Install any Software.***
∗ Automatically Generate a PDF and Excel Report while Plugged into a Computer.

Specifications & Ordering information
〈L1〉

Spec. \ Model	"THE3031"
Measure Range (Resolution) & Accuracy	−30℃+70℃, −22°F+158°F (0.1℃, 0.1°F) & ±0.5℃
Sampling Point & Interval	48,000 readings & 30 seconds, 5, 10, 30, 60, 90, 120 minutes
Dimensions & Weight	110×45×h17mm & 50g
Standard Package & Battery	Logger, Manual, Paper Box, 2×3.0V CR2032 Battery
Cat. No. & Price ₩	**DH.The3031** — **₩ 131,740 / Ea**

DAIHAN® Bluetooth 4.0 Wireless Temperature Monitoring Datalogger "THE3033", Waterproof (IP67), −30℃+70℃
With Free Application for Smart Devices, Bluetooth Type 온도 Data 로거



Bluetooth Datalogger



■ ***Supplied by DAIHAN Korea***
■ ***온도 값을 측정하고 기록하여 Application을 통해 사용자가 실시간으로 데이터 확인 및 보고서 생성이 가능함.***
■ ***Users can Check the Temperature Change in Real-time through the Application "Nice Logger" Downloaded in the App Store.***
∗ Report Contains Data Summary, Graph and Detailed Data.
∗ Big LCD Provides Real-time Data Every 5 seconds.

Specifications & Ordering information
〈L1〉

Spec. \ Model	"THE3033"
Measure Range (Resolution) & Accuracy	−30℃+70℃, −22°F+158°F (0.1℃, 0.1°F) & ±0.5℃
Sampling Point & Interval	48,000 readings & 10 seconds to 120 minutes
Dimensions & Weight	70×50×h23mm & 70g
Standard Package & Battery	Logger, Manual, Paper Box, 1×3.0V CR2 Battery
Cat. No. & Price ₩	**DH.The3033** — **₩ 147,270 / Ea**

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



DAIHAN® Basic Thermometer, Alcohol & Mercury-filled, 봉상 유리온도계, 알콜 & 수은

■ ***Made in Korea*** ＊Φ6~7×L300mm (But, 500℃ ; L450mm)

〈L4〉

(1) Mercury Bar Thermometer 수은 봉상 온도계 : 파손시 수은 조심

		Ea. Price, ₩
D5.0011	Thermometer, Mercury, -30℃+50℃ , Divi. 1℃, L300mm	23,820
D5.0012	, 0℃~100℃, . 1℃, L300mm	18,450
D5.0013	, 0℃~150℃, . 1℃, L300mm	18,450
D5.0015	, 0℃~250℃, . 2℃, L300mm	18,450
D5.0017	, 0℃~360℃, . 2℃, L300mm	18,450
D5.0019	, 0℃~500℃, . 2℃, L450mm	39,690

(2) Red Alcohol Bar Thermometer 무공해 알콜 봉상 온도계

		Ea. Price, ₩
D5.0021	Thermometer, Alcohol, -10℃+50℃ , Divi.0.5℃, L300mm	2,870
D5.0022	, -20℃+110℃, . 1℃, L300mm	1,590
D5.0023	, 0℃~150℃, . 1℃, L300mm	2,870
D5.0024	, 0℃~200℃, . 2℃, L300mm	3,500



Alla® General Purpose Thermometer, Yellow Back, Solid Stem, Red Alcohol-filled

ISO 9000, −20℃+150℃, 1℃ Divi., <France-Made> 친환경 알콜 온도계, 유리봉상

＊Yellow-back
＊No-Mercury ; Friendly Red Alcohol Filled.

〈L1〉

		Ea. Price, ₩
AL.55000.T110	Thermometer, -20℃+110℃, Divi. 1℃, L305mm	6,830
AL.55000.T150	, -20℃+150℃, . 1℃, L305mm	7,240



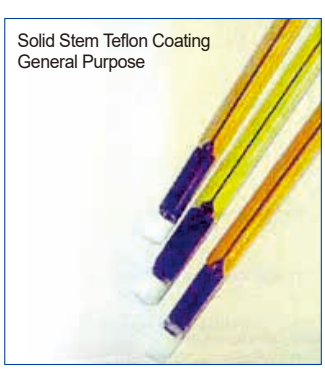
Alla® Precision BioTemp® Thermometer "T003", Solid Stem, No Mercury, Range −20℃+150℃

With Safe Blue Organic Filling Liquid, Φ6~7mm, Divi 0.1 & 1, <France-Made> 무공해 봉상온도계

＊Printed the Scale as Dark as possible and Feature an Arrow Every 10℃ Making the Temperature much Easier to Read.
＊TOT : Total Immersionz
＊76mm : Partial Immersion, a Line Printed around the Thermometer with a Clear Mention "76mm"

〈L1〉

		Ea. Price, ₩
AL.5172T101	Thermometer, -1℃+101℃, Divi. 0.1℃, TOT. , L610mm	116,770
AL.5122T110	, -20℃+110℃, . 1℃, 76mm, L305mm	13,980
AL.5122T150	, -20℃+150℃, . 1℃, 76mm, L305mm	14,690



Alla® Safety Teflon-coated Thermometer "T006", Yellow Back, PTFE-coating, No-Mercury

Filled with Blue-Organic, −50℃+250℃, Divi 1℃, <France-Made> 테프론 코팅 / 안전 봉상온도계, 무공해

■ ***Teflon PTFE-coated Glass for Safety of Damaged item and Prevention if Corrosion***

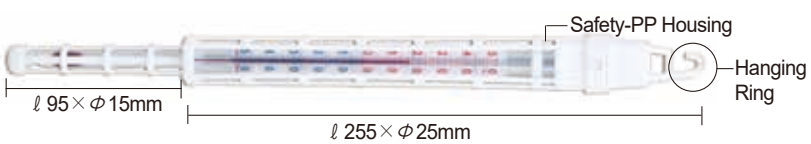
＊Thermometers Filled with Blue-organic Liquid instead of Mercury or Alcohol : Decomposition to H_2O+CO_2
＊Yellow-back ＊Φ6~7mm

〈L1〉

		Ea. Price, ₩
AL.518.110BT	Thermometer, -50℃+110℃, Divi. 1℃, L305mm	65,920
AL.512.110BT	, -20℃+110℃, . 1℃, L305mm	59,590
AL.512.150BT	, -20℃+150℃, . 1℃, L305mm	60,630
AL.512.250BT	, -10℃+250℃, . 1℃, L405mm	72,000
AL.517.051BT	, Precise, -1℃+51℃, Divi. 0.1℃, L460mm	136,180

Alla® PP Housing Teflon-coated Thermometer, for Freezer & Baking, Mercury Free

With Sterilizable PP Housing, L350mm, −50℃+120℃(1℃), <France-Made> 테프론 코팅 PP 하우징 온도계



＊No Risk of Glass Break during Preparation Machine Washable.
＊Teflon Coated Thermometer with White Polypropylene Protection Housing.
＊High Visibility Thermometers with Sterilizable Sleeves
＊Hanging Ring at the Top of Unit

〈L1〉

		Ea. Price, ₩
AL.8010.B050T	Thermometer, For Freezer, −50℃+50℃ , Divi. 1℃	48,040
AL.8010.B120T	, For Baking , −10℃+120℃, Divi. 1℃	48,040

Articles	Cat. No	Description



Alla® Plastic Housing Thermometer, Pen-type, Ideal for Freezer, Mercury Free, Compact Size
With Pen Clip & Hanging Ring, −25℃+50℃, <France-Made> 플라스틱 하우징 온도계, 무공해

* Ideal for Fridge-Freezer
* Blue Liquid Filled
* Conveniently Portable Size
* With Pen Clip and Hanging Ring for Convenient

〈L1〉

Cat. No	Description	Ea. Price, ₩
AL.72500.001SA	Thermometer, Pen-type, −25℃+50℃, Divi. 1℃, L140×φ12mm, 11g	4,350



Alla® ASTM Standard Thermometer, No Mercury, E2251-14, Range −38℃+155℃, Divi 0.01~1℃
With Blue Liquid, <France-Made> ASTM 표준온도계

* Calibration Certificate "EU" : Optional charge
* Filled with a special blue organic liquid, a lot less toxic than mercury

〈L1〉

Cat. No.	ASTM No.	Range. ℃	Divi. ℃	Length mm	Ea. Price ₩
AL.585.005	S5C	−38 +50	1	259	111,680
AL.585.012	S12C	−20 +102	0.2	440	230,970
AL.585.015	S15C	−2 +80	0.2	397	159,180
AL.585.018	S18C	+34 +42	0.1	300	185,930
AL.585.022	S22C	+95 +103	0.1	300	178,480
AL.585.056	S56C	+19 +35	0.02	616	535,770
AL.585.057	57C*	−20 +50	0.5	287	115,550
AL.585.058	S58C	−34 +49	0.5	302	127,450
AL.585.059	S59C	−18 +82	0.5	302	117,030

Cat. No.	ASTM No.	Range. ℃	Divi. ℃	Length mm	Ea. Price ₩
AL.585.062	S62C	−38 +2	0.1	406	225,740
AL.585.063	S63C	−8 +32	0.1	406	167,330
AL.585.064	S64C	+25 +55	0.1	406	269,990
AL.585.065	S65C	+50 80	0.1	406	297,450
AL.585.066	S66C	+75 +105	0.1	406	334,640
AL.585.067	S67C	+95 +155	0.2	406	483,370
AL.585.091	S91C	+20 +50	0.1	395	214,840
AL.585.120	S120C	+36.8 +41.4	0.05	305	249,150
AL.585.130	S130C	−7 +105	0.5	302	119,440



Alla® ASTM & IP Thermometers, ℃ or °F, "T015" ISO 9000, ASTM / IP, <France-Made> 온도계, 봉상유리

* Manufactured to comply with the latest A.S.T.M - I.P standards.
* Calibration Certificate "EU" : Optional charge

▶**Mainly for Mercury Filled Thermometers Except for "6C" & "114C" Temperature**

〈L1〉

Cat. No.	ASTM No.	Equivalent IP No.	Range. ℃	Divi. ℃	Length mm	Ea. Price ₩
AL.595.002	2C	62C	−5 +300	1	390	69,640
AL.595.006	6C	2C	−80 +20	1	230	71,630
AL.595.007	7C	5C	−2 +300	1	385	75,920
AL.595.008	8C	6C	−2 +400	1	385	79,220
AL.595.010	10C	16C	+90 +370	2	290	83,180
AL.595.013	13C	47C	+155 +170	0.5	165	85,450
AL.595.020	20C		+57 +65	0.1	275	83,420
AL.595.021	21C		+79 +87	0.1	275	83,420
AL.595.025	25C		+95 +105	0.2	212	82,120
AL.595.026	26C		+130 +140	0.1	463	105,530
AL.595.027	27C		+147 +182	0.5	301	87,470
AL.595.042	42C		+95 +255	0.5	395	99,470
AL.595.047	47C		+58.6 +61.4	0.05	305	219,830
AL.595.052	52C		−10 +5	0.1	162	133,430
AL.595.060	60C		+77 +260	1	305	83,650
AL.595.068	68C		+145 +205	1	379	168,250
AL.595.069	69C		+195 +305	1	379	191,740
AL.595.070	70C		+295 +405	1	379	379,100
AL.595.086	86C		+95 +175	0.5	167	78,750

Cat. No.	ASTM No.	Equivalent IP No.	Range. ℃	Divi. ℃	Length mm	Ea. Price ₩
AL.595.095	95C		+100 +130	0.2	370	103,730
AL.595.096	96C		+120 +150	0.2	370	108,280
AL.595.100	100C		+145 +205	0.2	370	115,630
AL.595.101	101C		+195 +305	0.2	370	103,390
AL.595.102	102C	84C	+123 +177	0.2	395	101,680
AL.595.103	103C	85C	+148 +202	0.2	395	95,180
AL.595.104	104C	86C	+173 +227	0.2	395	85,580
AL.595.105	105C	87C	+198 +252	0.5	395	101,950
AL.595.106	106C	88C	+223 +277	0.05	395	106,970
AL.595.107	107C		+248 +302	0.05	395	124,980
AL.595.110	110C		+133.6+136.4	0.05	305	318,740
AL.595.111	111C		+170 +250	0.05	395	112,030
AL.595.114	114C	14C	−80 +20	0.2	300	79,950
AL.595.123	123C		−35 −25		305	117,550
AL.595.124	124C		−25 −10		300	121,230
AL.595.125	125C		−15 −5		300	120,930
AL.595.126	126C		−27.4 −24.6		310	191,740
AL.595.127	127C		−21.4 −18.6		310	194,590
AL.595.128	128C		−1.4 +1.4		305	141,620
AL.595.129	129C		+91.6 +94.4		310	290,680

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description

SAUTER® 0~1250μm Digital Coating Thickness Gauge Set "TC" & "TE", with- or without- F- & N- & FN-sensor
Ideal for Measuring of Layer Thickness of Non-magnetic Coating, with Data Interface RS-232, 도막두께 측정기 세트



(1) Standard-type



(2) External Sensor-type

Optional ;


(3) (4)

■ ***Supplied by SAUTER® in Germany***
■ ***Type F/N : For All Coating as for Type F & N on All Metals as for Type F & N***
- ***Type F : Measures the Thickness of Non-magnetic Coatings on Magnetic Metals***
- ***Type N : Measures the Thickness of Insulating Coatings on Non-Magnetic Metals***

∗ Ergonomic Design for Easy Handling ∗ **Incl. Data Interface RS-232**
∗ **Base Plate (Aluminum and Iron) and Calibration Foils**
∗ **Offset-Accur** : Adjusts the Instrument Precisely on the Locally Measured Range by a Two-point Calibration. This Results in a Superior Accuracy of Approx. 1 % of the Measured Value
∗ Selectable Measuring Units : μm, Mil ∗ Delivered in a Robust Carrying Case
∗ **Complete Set with** : ① Thickness Gauge, ② Manual, ③ Calibration Foils, ④ Base Plate (Iron & Aluminum), ⑤ F/N External Sensor (Only TE model)

Specifications
∗ Measuring range : 0~1250 μm
∗ Read-out : 0.1μm (from 0 to 99.9μm), 1μm (above 100μm)
∗ Precision : - Standard: 3 % of Measured Value or ±2.5 μm
∗ Type F : - Convex : 1.5 mm - Concave : 25 mm
∗ Smallest Sample Surface (radius)
∗ Dimensions (w×d×h) : 65×28×131 mm
∗ Net Weight Approx. 81g
∗ Test object : Combination instrument: F/N
- Offset-Accur : 1 % of Measured Value or ±1 μm
∗ Type N : - Convex : 3 mm - Concave : 50 mm
∗ Minimal Base Thickness : 0.3 mm
∗ Battery Operation, Batteries Standard 4×1.5 V AAA

(1) Standard-type, "TC"

		〈L1〉 Set. Price, ₩
SA.TC1250.0.1FN	Test Gauge, for Thickness, 0~1250μm	977,020

(2) External Sensor-type, "TE"
∗ for Difficult-to-Access Measurements.

		Ea. Price, ₩	Set. Price, ₩
SA.TE1250.0.1FN	Gauge, for Thickness, 0~1250μm		977,020
SA.ATE.01	**Spare ;** (3) External Sensor, Type F, for TE model	222,130	
SA.ATE.02	; (4) External Sensor, Type N, for TE model	234,850	
SA.ATC.01	**Option ;** Data Transfer Software, incl. Interface Cable for TC · TE · TF · TG model	193,150	

SAUTER® Premium 0~1250μm Digital Coating Thickness Gauge Set "TF" & "TG", with Scan Mode, 99-Value Internal Memory
Ideal for Paint Coating and Lacquer Coating, with- or without- F- & N- & FN-sensor, with LCD Display Backlight, 고급형 다기능 도막두께 측정기 세트



(1) Standard-type



(2) External Sensor-type

■ ***Supplied by SAUTER® in Germany***
■ ***LCD Display, Backlight, Display of All Information at a Glance***
■ ***Type F/N : For All Coating as for Type F & N on All Metals as for Type F & N***
- ***Type F : Measures the Thickness of Non-magnetic Coatings on Magnetic Metals***
- ***Type N : Measures the Thickness of Insulating Coatings on Non-Magnetic Metals***

∗ **Offset-Accur** : Adjusts the Instrument Precisely on the Locally Measured Range by a Two-point Calibration. This Results in a Superior Accuracy of Approx. 1 % of the Measured Value
∗ **Scan Mode** for Continuous Measurement or Single Point Measuring Mode
∗ **Mini Statistics Kit** : Displays the Measured Result, the Average Value and the Max and the Min Value
∗ Base Plate and Calibration Foils Included ∗ Data Interface RS-232 Standard
∗ Selectable Measuring Units : μm, Mil ∗ Delivered in a Robust Carrying Case
∗ **Complete Set with** : ① Thickness Gauge, ② Manual, ③ Calibration Foils, ④ Base Plate (Iron & Aluminum), ⑤ F/N External Sensor (Only TG model)

Specifications
∗ Measuring range : 0~1250 μm
∗ Read-out : 0.1μm (from 0 to 99.9μm), 1μm (above 100μm)
∗ Precision : - Standard : 3 % of Measured Value or ±2.5 μm
∗ Type F : - Convex : 1.5 mm - Concave : 25 mm
∗ Minimal Base Thickness : 0.3 mm
∗ Battery Operation, Batteries Standard 2×1.5 V AAA
∗ Net Weight Approx. 81g
∗ Test object : Combination instrument: F/N
- offset-Accur : 1 % of Measured Value or ±1 μm
∗ Type N : - Convex : 3 mm - Concave : 50 mm
∗ Dimensions(w×d×h) : 65×35×126 mm

(1) Standard-type, "TF"

		〈L1〉 Set. Price, ₩
SA.TF1250.0.1FN	Gauge, for Thickness, 0~1250μm	1,127,320

(2) External Sensor-type, "TG"
∗ for Difficult-to-Access Measurements.

		Ea. Price, ₩	Set. Price, ₩
SA.TG1250.0.1FN	Gauge, for Thickness, 0~1250μm		1,127,320
SA.ATG.01	**Spare ;** External Sensor, Type FN for TG model	272,430	
SA.ATC.01	**Option ;** Data Transfer Software, incl. Interface Cable for TC · TE · TF · TG model	193,150	

Articles	Cat. No	Description

SAUTER® 1.2~225mm Ultrasonic Compact Material Thickness Gauge "TD", with External Sensor & Data Interface RS-232
Ideal for Difficult-to-Access Measuring Points, 소형 초음파 두께측정기



Ultrasonic Compact Material Thickness Gauge, 1.2~225mm



with Carrying Case

■ ***Supplied by SAUTER® in Germany***
■ ***Analysis Material : All Hard and Homogeneous Materials such as Cast Iron, Aluminum, Copper, Brass, Zinc, Quartz Glass, Polyethylene, PVC, Grey Cast Iron, Nodular Cast Iron, Steel***

* Can not be used to measure Material as, e.g. Concrete, Asphalt, Teflon or Wood.
* Can be used when the Walls of the Item to be Measured are not Accessible for Traditional Caliper Gauges.
* External Sensor for Difficult-to-access Measuring Points
* Data Interface RS-232 Included
* Base Plate for Adjustment Incorporated
* Selectable Measuring Units : mm, Inch
* Delivered in a Robust Carrying Case
* Auto-Power-Off Function
* **Complete Set with :** ① Thickness Gauge, ② Ultrasonic Sensor, ③ Manual, ④ Carrying Case

Specifications
* Precision : 0.5 % of [Max] + 0.1 mm
* Dimensions(w×d×h) : 120×65×h30 mm
* Battery Operation, Batteries Standard 4×1.5 V AAA
* Net Weight Approx. 164g

〈L1〉

Cat. No.	Measuring Range Max mm	Readout d mm	Sensor	Sound Velocity m/sec	Set. Price, ₩
SA.TD225.0.1US	1.2-225	0.1	5 MHz / Φ 8mm	500-9000	911,230

		Ea. Price, ₩
SA.ATC.01	**Optional ;** Data Transfer Software, incl. Interface Cable	193,150
SA.ATB.US01	; External Sensor, 5MHz, Φ6mm for thin Test Materials, Measuring Range (Steel) 1-50mm	403,950
SA.ATB.US02	; External Sensor, 5MHz, Φ12mm for Hot Test Materials, Measuring Range (Steel) 1~225mm at Normal Temperatures, 4~100mm at up to 300℃	618,070

SAUTER® 0.75~230mm Ultrasonic Portable Material Thickness Gauge "TN", with External Sensor & Data Interface USB Standard
Scan- & Single Point Measuring-Mode, Internal Memory, 휴대용 초음파 두께측정기



Ultrasonic Portable Material Thickness Gauge, 0.75~230mm



with Carrying Case

■ ***Supplied by SAUTER® in Germany***
■ ***Analysis Material : All Hard and Homogeneous Materials such as Cast Iron, Aluminum, Copper, Brass, Zinc, Quartz Glass, Polyethylene, PVC, Grey Cast Iron, Nodular Cast Iron, Steel***

* Can not be used to measure Material as, e.g. Concrete, Asphalt, Teflon or Wood.
* Can be used when the Walls of the Item to be Measured are not Accessible for Traditional Caliper Gauges.
* External Sensor for Difficult-to-access Measuring Points
* Data Interface USB, Standard (only for Models with Readout [d] = 0,01 mm)
* Scan Mode (10 Measurements Per Sec.) or Single Point Measuring Mode Possible
* Internal Memory for up to 20 Files (with up to 100 Values Per File)
* Selectable Measuring Units : mm, Inch
* Delivered in a Robust Carrying Case
* Auto-Power-Off Function
* **Complete Set with :** ① Thickness Gauge, ② Ultrasonic Sensor, ③ Manual, ④ Carrying Case

Specifications
* Precision : 0.5 % of [Max] ±0,04 mm
* Dimensions(w×d×h) : 74×32×h150 mm
* Battery Operation, Batteries Standard 2×1.5 V AA
* Net Weight Approx. 245g

〈L1〉

Cat. No.	Measuring Range Max mm	Readout d mm	Sensor	Sound Velocity m/sec	Set. Price, ₩
SA.TN80.0.01US	0.75-80	0.01	7 MHz / Φ 6mm	1000-9999	1,315,190
SA.TN230.0.01US	1.2-200 / 230	0.01 / 0.1	5 MHz / Φ 10mm	1000-9999	1,315,190

		Ea. Price, ₩
SA.ATU.04	**Optional ;** Data Transfer Software, incl. Interface Cable	231,790
SA.ATB.US01	; External Sensor, 5MHz, Φ6mm for thin Test Materials, Measuring Range (Steel) 1-50mm	403,950
SA.ATB.US02	; External Sensor, 5MHz, Φ12mm for Hot Test Materials, Measuring Range (Steel) 3~200mm at Normal Temperatures, 4~100mm at up to 300℃	618,070

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description

SAUTER® Premium 0.75~230mm Ultrasonic Portable Material Thickness Gauge Set "TU", with External Sensor

Ideal for Difficult-to-Access Measuring, Scan- & Single Point Measuring-Mode, Internal Memory for up to 2000 values

With Data Interface RS-232, 프리미엄 초음파 두께측정기 세트



Premium Ultrasonic Portable Material Thickness Gauge, 0.75~230mm



with Carrying Case

■ ***Supplied by SAUTER® in Germany***

■ ***Analysis Material : All Hard and Homogeneous Materials such as Cast Iron, Aluminum, Copper, Brass, Zinc, Quartz Glass, Polyethylene, PVC, Grey Cast Iron, Nodular Cast Iron, Steel***

* Can not be used to measure Material as, e.g. Concrete, Asphalt, Teflon or Wood.
* Can be used when the Walls of the Item to be Measured are not Accessible for Traditional Caliper Gauges.
* External Sensor for Difficult-to-access Measurements
* Base Plate for Adjustment Included
* Data Interface RS-232
* Delivered in a Robust Carrying Case
* Scan Mode (10 Measurements Per Sec.) or Single Point Measuring Mode Possible
* Internal Memory for up to 20 Files (with up to 100 Values per File)
* Measuring with tolerance Range (limit-setting Function) : upper and Lower Limiting Can be Programmed Individually. the Process Is Supported by an Audible and Visual Signal
* Measuring Units : mm, Inch
* Robust Metal Housing
* **Complete Set with :** ① Thickness Gauge, ② Ultrasonic Sensor, ③ Manual, ④ Carrying Case

Specifications

* Precision: 0.5 % of [Max] ±0.04 mm
* Dimensions(w×d×h) : 76×32×132 mm
* Battery Operation, Batteries Standard 2×1.5 V AA
* Net Weight Approx. 345g

〈L1〉

Cat. No.	Measuring Range Max mm	Readout d mm	Sensor	Sound velocity m/sec	Set. Price, ₩
SA.TU80.0.01US	0.75-80	0.01	7 MHz / Φ 6mm	1000-9999	2,461,280
SA.TU230.0.01US	1.2-200 / 230	0.01 / 0.1	5 MHz / Φ 10mm	1000-9999	2,461,280

		Ea. Price, ₩
SA.ATU.04	**Optional ;** Data Transfer Software, incl. Interface Cable	231,790
SA.ATU.US01	; External Sensor, 2.5 MHz, Φ14mm for Thick Samples, in Particular Cast Iron with Rough Upper Surface Measuring Range 3-300mm(Steel)	441,530
SA.ATB.US02	; External Sensor, 5MHz, Φ12mm for Hot Test Materials, Measuring Range (Steel) 3-200mm at Normal Temperatures, 4-100mm at up to 300℃	618,070

Articles	Cat. No	Description

Mitutoyo® Vernier Calipers, Analog- & Digital-type, 0~300mm, 버니어 캘리퍼스



(1) Vernier Calipers

(1) Analog type Vernier Calipers, 0.05mm

＊Easy-to-use Thumb Roller Adjusts Jaws to Measure I.D, O.D & Depth

<B4>

		Ea.	Price, ₩
M12.530101	"530-101", Vernier Calipers, 0~150 / 0.05mm, ±0.05mm		49,000
M12.530108	"530-108", , 0~200 / 0.05mm, ±0.05mm		70,000
M12.530109	"530-109", , 0~300 / 0.05mm, ±0.05mm		161,000



(2) Digital Calipers

(2) Digital type Vernier Calipers, 0.01mm

＊Ideal for Measuring outside Diameter of Stoppers, Inside Diameter of Tubing and Depth of Holes.
＊LCD Display / Set the Scale to Zero / Auto Power on/off / Alarm : Battery Low, Scale Pollution, etc.
＊Battery Average Service Life : About 3.5 years. ＊Ambient Temperature : 0℃~40℃

		Pk.	Price, ₩
M12.500181	Digital Calipers, 0~150mm / 0.01mm / ±0.02mm *New*	1ea	179,200
M12.500182	, 0~200mm / 0.01mm / ±0.02mm	1ea	221,200
M12.500704	, 0~300mm / 0.01mm / ±0.03mm	1ea	588,000



Vogel® Digital Micrometer, 0~25mm, Readability 0.001mm
With 5 Digits LCD Display, mm/inch Changeable, <Germany-Made> 디지털 외측 마이크로미터

■ 정밀한 나사의 회전을 이용해 길이를 정밀하게 측정하며, 버니어 캘리퍼스 보다 더 정확한 측정이 가능함

＊Display : 5 Digits LCD ＊Readability : 0.001mm ＊Accuracy : ±0.002mm
＊Measuring Unit : mm/inch ＊Power Supply : 3V CR2032×1ea (Not Included)

<L1>

		Ea.	Price, ₩
BC.12115	Digital Micrometer, 0~25mm / 0.001mm, Accu. ±0.002mm		490,600



(1)



(2)

Mitutoyo® Digital Micrometer, 디지털 외측 마이크로미터

＊Easy-to-read High, Digital Readout Displays. ＊Power Supply : SR44 Battery×1ea(Included for Testing)

(1) Standard-type, 25~50mm, 0.001mm, ±1㎛, IP65

<L2>

		Ea.	Price, ₩
SL.Too3013	"MCD-50MX", Micrometer, 25~50mm / 0.001mm, ±1㎛		424,150

(2) Compact-type, 0~12mm, 0.01mm, ±0.02mm

<B4>

		Ea.	Price, ₩
M12.700119	"700-119-20", Micrometer, Compact type, 0~12 / 0.01mm, ±0.02mm		231,000

휠러(틈새) 게이지 (25매) TAIWAN
Metric Feeler Gauge with 25 Strips





<B3>

	Thickness mm
Component Set (25pcs)	0.04, 0.05, 0.06, 0.07, 0.08, 0.09, 0.10, 0.15, 0.20, 0.25, 0.30, 0.35, 0.40, 0.45 0.50, 0.55, 0.60, 0.65, 0.70, 0.75, 0.80 0.85, 0.90, 0.95, 1.00mm

ORDER NO.	MODEL NO.	규격(mm) 폭(W)×길이(L)	포장단위 Ea. / Pk.	PRICE, ₩ Ea.
0355-929	77335-25	13×85	1 / 50	9,360



SB® Stainless-steel Taper Gauge, 1~45mm
Made of Stainless-steel 420J Heat Treated Iron, 테퍼 게이지

＊High-quality Stainless-steel SS420J ＊Chrome Coated
＊Application : Measure Inner/Outer Diameter and Interval
＊High Straightness Accuracy

<B4>

		Ea.	Price, ₩
S3.NO700A	Taper Gauge, Stainless-steel, 1-15mm		6,580
S3.NO700B	, 15-30mm		14,360
S3.NO700C	, 30-45mm		34,050

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



Clock 시계

Desktop Digital
Multi-Alarm Clock & Temp

DAIHAN® Desktop Digital Multi-Alarm Clock & Thermometer, Alarm/Snooze Set
With EL/LED Backlight, Count-Up/Down, ℃/°F, −10℃+50℃, **탁상용 디지털 알람 시계/온도계**

* Best Companion to Show Time and Awake User Up.
* Easy Operated Alarm Clock with Snooze Setting.
* Multi Functional Desktop Clock with Temperature Measurement (For T)
* Useful Design for Dual Alarm Display and Setting (For DA)
* Trendy Design with Modern Metallic Touch.
* CE Approval.
* Accuracy / Resolution : ±1.0℃ or ±1.8°F / 0.1
* EL/ LED Backlight.
* Dimension : 123×70×47 mm (LCD Size : 75×40 mm)
* Ambient Temperature : 0℃~50℃
* Measurement Range : −10℃+50℃ or −14°F+122°F
* Battery / Sensor Type / Package : 2×1.5Volts "AAA" Size Battery / NTC / Standard Color Box
* Weight (g) / Color : 135 / Silver and Gold(Multi Color Available)

〈L1〉

Ea.	Price, ₩
A1.TM120T Desktop Digital Multi-Alarm Clock & Thermometer, with EL/Back Light & Snooze Set	28,650



Timer

"witeg" Analog Table Timer, 0~60min/1min
With Bell & Countdown, **기본형 아날로그 테이블 타이머**

■ Supplied by "witeg" in Germany ***■ with Bell 0~60min.*** ***■ Plastic Housing***

* 0~60 min., Divi. 1min.
* Compact Table-type
* Analog-type
* Size : 70×70×h16 mm

〈L1〉

Ea.	Price, ₩
WI.8480112 Timer, Analog, Table Type, 0 ~ 60min.	13,700



Timer

Multi-Timer/Alarm Clock

DAIHAN® Pocket size Digital Timer, LCD Display, Alarm, Count-Up/Down
Compact, 5×4×h2cm, **포켓형 타이머, 알람, 카운트 업/다운**

* Maximum Time Count : 99hr : 59min. : 59sec.
* Count Up and Count Down Function.
* Compact Design
* Easy to read LCD Display
* Easy to operate
* Easy to Identify which Timer is Beeping.
* CE Approval.
* Flip out Stand Clip, Strong Magnet at the Back for Easy Attachment.
* Dimension : 50×40×20 mm (LCD Size : 31×9 mm)
* Ambient Temperature : 0℃~50℃ or 32°F~122°F
* Battery / Package : 1×1.5Volts "A76" Size (LR44, G13) or Equivalent / Sliding Blister with Print Card

〈L1〉

Ea.	Price, ₩
A1.TM190 Timer, Count-Down/-Up, Timer up to 99:59:59	13,880



Timer

SciLab® Digital Timer, Count-Up/Down, LCD Display, 8×7×h2cm
With 10 Setting Buttons, Alert Function, **디지털 타이머**

* Maximum Time Count : 99min. : 59sec.
* When the Count-down Time Finished, there will be Alert Sound for 60 Seconds and LED Indicator Light Flicking
* Large LCD Display, 53×24 mm
* 10 Setting Buttons for Setting the Desire Time
* Flip Open Easel Stand, Spring Fastener Slip
* Easy to Attach with Strong Magnet at the Back

〈L1〉

Ea.	Price, ₩
SL.Tim3001 Digital Timer, Count-up & Count-down, w/10 Setting Buttons	15,170



Timer

size :
69×74×23 mm

3-row Display Timer/Alarm

DAIHAN® Handy 3-row Display Multi Timer, wide LCD, Alarm/Snooze set
Count-Up/Down, Compact, 3 Timers, 12/24hr Selectable, 1sec Divi, **3열 표시 멀티 타이머**

* 3 (T1/T2/T3) Timers in One Unit.
* Maximum Count : 23:59:59 (Hr. : Min. : Sec.)
* Count Up and Count Down Function.
* Pocket Size with Large LCD Display.
* Flip Out Stand and Strong Magnet at the Back for Easy Attachment.
* Triple Row Display for Instant Reading.
* CE Approval.
* Compact Design.
* Different Alarm Sounds for Timers, Easy to Identify which Timer is Beeping.
* Dimension : 69×74×23 mm (LCD Size : 37×34 mm)
* Ambient Temperature : 0℃~50℃ or 32°F~122°F
* Weight (g) / Color / Resolution : 65 / Black / 1 Second
* Battery / Package : 1×1.5Volts "A76" Size (LR44, G13) or Equivalent / Sliding Blister with Print Card

〈L1〉

Ea.	Price, ₩
A1.TM150 3-row Display Digital Multi-Timer, Handy/Pocket, 3(T1/T2/T3) Timers in One Unit	23,120

Articles	Cat. No	Description



Timer

4-channel Multi-Timer/Alarm Clock

DAIHAN® 4-channel Multi-Timer, with Alarm/Snooze set, Count-Up/Down, Large LCD
With LCD, 4 Timers in One Unit, 99:59:59 hr, 12/24hr Selectable, 1sec Division, 디지털 멀티 타이머

∗ 4 (T1/T2/T3/T4) Timers in One Unit. ∗ Maximum Count : 99:59:59 (Hr. : Min. : Sec.)
∗ Count Up and Count Down Function. ∗ Hanging Hole at The Top of Unit.
∗ Flip out Stand Clip, Strong Magnet at the Back for Easy Attachment. ∗ CE Approval.
∗ Different Alarm Sounds for Timers, Easy to Identify which Timer is Beeping.
∗ Dimension : 73×66×25 mm (LCD Size : 50×23 mm) ∗ Ambient Temperature : 0℃~50℃ or 32°F~122°F
∗ Battery / Package : 1×1.5Volts "A76" Size (LR44, G13) or Equivalent / Sliding Blister with Print Card
∗ Weight (g) / Color / Resolution : 60 / White / 1 Second

<L1>

Ea.	Price, ₩
A1.TM044 4-channel Multi-Timer, Count Up & Down, 4 Timers in One Unit	25,430



Timer

ETL® 4-Channel Timer, with Big Display, Range(최소 · 최대 · 정밀도 Sec.), 4채널 타이머

∗ Available in Four Memory Settings more Easily ∗ Simple Timer Initialization Function
∗ Mounting way : Attach to the Table, Cloth, wall Using a Stand type Clip

<L3>

Ea.	Price, ₩
SL.Tim3005 4-Channel Timer, Count-down/-up, 24hr	27,000



Stopwatch -Timer

ETL® Digital Multi-function Stopwatch/Timer, 0.01sec/24hr
With Count-Up/Down, 0.01sec/0~30min, 1sec/30min~24hr, 다기능 스탑워치/타이머

1/100 sec. 30min. 1sec. up to 24 hours in seconds.
Split time(2 at finish). Provides multi-functions of stopwatch, timer, alarm, and calendar

∗ Range : 1) 0.01sec / 0 ~ 30min 2) 1.0sec/30min ~ 24hour 3) 6 Digital LCD-Display
∗ Program Multi-function : · Stopwatch, Timer, Alarm and calendar
· Start / Stop, Addition, Split, Reset and Hanging-cord
· 1.5V Battery operated : about 2 years life-time
∗ Compact Size : w70×d53×h16 mm

<L3>

Ea.	Price, ₩
SL.Tim3002 Stopwatch/Timer, Digital Multi-function	20,250



Stopwatch -Timer

ETL® Digital Multi-function Stopwatch/Timer, 0.01sec~100hr
With Count-Up/Down, Programmable, 다기능 스탑워치/타이머

100 hours count Down/up timer. With 1/100 sec. stopwatch, with memory function and magnet clip stand.

∗ 100 hours Count Down/Up ∗ 0.01 sec. Stopwatch / Timer ∗ Size : w70×d68×h10 mm
∗ Program Multi-function · Stopwatch, Timer, Alarm, and Calendar
· Start / Stop, Addition, Split and Reset
· 1.5V Battery operated : about 2 years life-time
∗ Mounting way : Attach to the Table, Cloth, wall Using a Stand type Clip

<L3>

Ea.	Price, ₩
SL.Tim3004 Stopwatch/Timer, Count-Down/-Up, 100hr	27,000



Stopwatch -Timer

ETL® Digital Timer/Stopwatch, 100min 39sec, 1sec~99min 99sec
With Count-Up/Down, 타이머/스탑워치

∗ 99min 99sec ∗ Alarm Clock ∗ 1sec Stopwatch (Timer and Stopwatch)
∗ 1.5V Battery : about 2 years life-time ∗ Size : w62×d58×h10 mm
∗ Mounting way : Attach to the Table, Cloth, wall Using a Magnet Clip-Stand

<L3>

Ea.	Price, ₩
SL.Tim3003 Timer/Stopwatch, Count-Down/-Up, 99min. 99sec.	20,250

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



(1) "LH35" for Hard Specimen



(2) "LS35" for Soft Specimen



(3) "HS35", Wide Knife

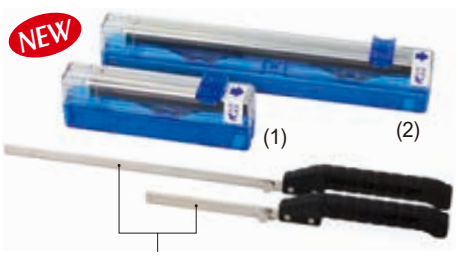
MUTO® Disposable Microtome Blade "Histo Cutter", Stainless-steel, for Soft & Harder Tissue With Excellent Polishing and Coating, Sharp & Durable, <Japan-Made> 일회용 조직절단용 칼

■ ***Tissue Specimen의 원형을 유지하면서 특정 두께로 스크래치 없이 절단***
■ ***Ideal for Sectioning the Specimens at Certain Stable Thickness of Soft & Harder Tissue.***
■ ***Maintain the Original Shape of Tissue Specimen***
* The Paraffin Sections are Maintained almost Same Size of Blocks
* Ideal for the Myoma of the Uterus, the Prostate, the Mammary Gland, the Thyroid Gland, the Bronchial Bones &c.
* Easy Thin Sectioning with a Number of Paraffin Blocks without Scratches on the Specimens
* Average Number of Block per a Blade with 3micron Sectioning
  - 50~60 for Pathological Specimens - 35~40 for Anatomical Specimens

<M3>

		Pk.	Price, ₩
DM.His7001	(1) Stainless-steel Microtome Blade "LH35" for Hard Specimen (t) 0.25mm, 8×80mm, Edge Angle 35°	50ea	113,750
DM.His7002	(2) Stainless-steel Microtome Blade "LS35" for Soft Specimen (t) 0.25mm, 8×80mm, Edge Angle 35°	50ea	113,750
DM.His7003	(3) Stainless-steel Microtome Blade "HS35", Wide Knife (t) 0.32mm, 14×80mm, Edge Angle 35°	50ea	113,750

MUTO® Disposable Trimming Knife, Dispenser type with Handle, Stainless-steel Blade Ideal for Section Semi-fixed Organs & Tissues/Organs with Durability, <Japan-Made> 일회용 조직절단용 트리밍 칼



(3) & (4) Optional Handle

■ ***Semi-fixed Organs, Mammary Gland, Hard Tissues, Hard Tissues with Fibers 등의 섹션에 용이.***
* Easy Setting into Exclusive Handle * Safety Stopper Prevents Knife to be Dropped from Dispenser
* Safe Disposal of Used Knife ;
  Insert Used Knife into the Container of Dispenser after Washing Attached Blood etc.

<M3>

		Pk.	Price, ₩
DM.Tri7001	(1) Stainless-Steel Trimming Knife, in Dispenser, 0.25mm, 18×130mm	50ea	178,750
DM.Tri7002	(2) , 18×260mm	50ea	292,500

Optional Knives

		Ea.	Price, ₩
DM.Han3001	(3) Handle for Trimming Knife, 130mm		97,500
DM.Han3002	(4) , 260mm		97,500



SciLab® h7 & 9mm Stainless-steel Deep-Base Mold, for most Cassettes, 스텐 베이스 몰드

■ ***Supplied by SciLab Korea***
* CE and ISO Certificate
* Can choose 5 sizes according to Specimens
* Made of Stainless-steel
* High Polished Surface for Easy Paraffin Block Removal
* Fit for All Standard Size Cassette

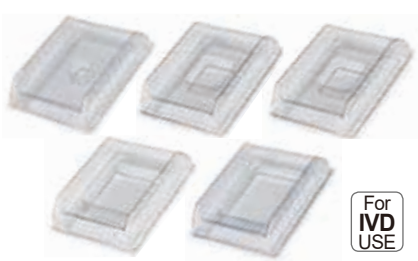
<L1>

(1) 7mm-Height

		Pk.	Price, ₩	Cs.	Price, ₩
SL.Mol7011	Base Mold, Stainless-steel, Int. 7×7×h7mm	10ea	19,380	5pk	93,970
SL.Mol7012	, Int. 15×15×h7mm	10ea	19,380	5pk	93,970
SL.Mol7013	, Int. 24×24×h7mm	10ea	19,380	5pk	93,970
SL.Mol7014	, Int. 30×24×h7mm	10ea	19,380	5pk	93,970
SL.Mol7015	, Int. 34×24×h7mm	10ea	19,380	5pk	93,970

(2) 9mm-Height

		Pk.	Price, ₩	Cs.	Price, ₩
SL.Mol7001	Base Mold, Stainless-steel, Int. 7×7×h9mm	10ea	22,620	5pk	109,710
SL.Mol7002	, Int. 15×15×h9mm	10ea	22,620	5pk	109,710
SL.Mol7003	, Int. 24×24×h9mm	10ea	22,620	5pk	109,710
SL.Mol7004	, Int. 30×24×h9mm	10ea	22,620	5pk	109,710
SL.Mol7005	, Int. 34×24×h9mm	10ea	22,620	5pk	109,710



Simport® h5mm PVC Disposable BaseMold, for Histology, 5-types, 일회용 베이스 몰드

■ ***Supplied by Simport® in Canada*** ■ ***Made of PVC, -30℃+70℃***
* Excellent Thermal Exchange.
* Smooth Interior Finish and Rounded Corners Facilitating Specimen Removal.
* Disposable or Reusable

<L1>

		Pk.	Price, ₩	Cs.	Price, ₩
SP.M475.1	Base Mold, Disposable, Int. 7×7×h5mm	500ea	125,120	2pk	238,290
SP.M475.2	. 15×15×h5mm	500ea	125,120	2pk	238,290
SP.M475.3	. 24×24×h5mm	500ea	125,120	2pk	238,290
SP.M475.4	. 30×24×h5mm	500ea	125,120	2pk	238,290
SP.M475.5	. 37×24×h5mm	500ea	125,120	2pk	238,290

Articles	Cat. No	Description



Simport® h10mm PVC Disposable Deep BaseMold, for Deep Cassettes(MEGA-type)
For Histology, Excellent Thermal Exchange, 37×24×h10 mm, **일회용 딥-베이스 몰드**

■ Supplied by Simport® in Canada ***■ Made of PVC, -30℃+70℃***
* Excellent Thermal Exchange.
* Smooth Interior Finish and Rounded Corners Facilitating Specimen Removal.
* Easy and Convenience Operation * Designed for Deep Casettes

〈L1〉

		Pk.	Price, ₩	Cs.	Price, ₩
SP.M475.10	Deep Base Mold, Disposable, 37×24×h10mm	100ea	24,500	5pk	116,520



Simport® PP Tissue Capsule, with Snap-lid and Whole Surface-Open-Mesh
For Histology, −10℃+125/140℃, <Canada-Made> **티슈 캡슐**

■ Made of PP(Polypropylene)
■ Ideal for Holding Tissue Samples during Processing
* The lid Snaps Securely on the Base, Eliminating the Risk of Tissue Loss during Processing.
* Frosted Write-on Area on Cover for Sample Identification
* Base 100% Open Mesh Surface to facilitate Fluid Exchange
* White Base and Cover

〈L1〉

		Pk.	Price, ₩	Cs.	Price, ₩
SP.M470	Capsule, Tissue, Φ28×h5mm	10ea	2,420	1000ea	228,670
SP.M471	, Φ38×h10mm	10ea	4,530	1000ea	427,830

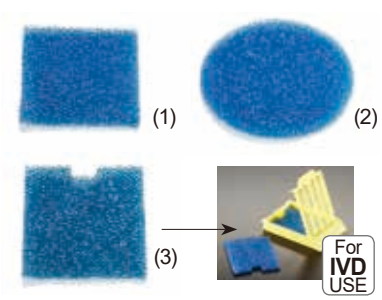


Simport® HIPS Tissue Embedding Ring, with Writing Surface, 티슈 임배딩 링

■ Supplied by Simport® in Canada ***■ Made of High Impact Polystyrene***
■ Ideal for Holding & Identifying Tissue Sample Blocks and Fit Well in Microtome Chuck Adapters.
* Additional Paraffin is poured into the Base Mold to Cement the Ring onto the Tissue Block.
* The Etched Writing Surface on the Ring is Marked with an Identification Number and Placed on Top of the Sample Block.

〈L1〉

		Pk.	Price, ₩	Cs.	Price, ₩
SP.M460	Ring, Embedding, White	250ea	68,170	4pk	259,670



Simport® Biopsy Foam Pad, Polyester-urethane Foam, Calibrated Porosity, <USA-Made> 임배딩 패드

■ Optimum Solvent Flow
* Ideal for Holding Biopsies in place and Prevent them from being Lost during Processing.
* Biopsy Samples are Sandwiched between Two Foam Pads and are Placed either in Tissue Capsules or Cassettes with Metal or Plastic lids.
* -40℃+121℃ Temp-resistant

〈L1〉

		Pk.	Price, ₩	Cs.	Price, ₩
KA.2922.04	(1) Biopsy Pad, 30×25×t 2mm, Italy-made	500ea	29,670	24pk	690,240
SP.M476.3	(2) , Circle-type, Φ34.55×t 2mm	1000ea	75,000	10pk	714,130
SP.M476.5	(3) , Cassettes-type, 30.2×25.4×t 2mm	1000ea	36,150	10pk	343,900





SciLab® One-piece Tissue & Biopsy Cassette, 35° Angled Writing Surface, Attached Lid
Suitable for Automated Labeling Machines, Heat-Resistant, **커버 일체형 티슈 & 바이옵시 카세트**

■ Supplied by SciLab Korea ***■ CE Certified*** ***■ Size ; 40×28×h7mm***
■ Made of POM(Polyoxymethylene Resin) ;
Excellent Resistant to Chemical Action of Histological Solvents, −40℃+90℃ Stable.
■ One-piece with Attached Lid, Good for One-Hand Operation
* Can be Opened & Closed as Often as Possible. * with 35° Angled Writing Surface.

〈L1〉

(1) Tissue Cassette

		Pk.	Price, ₩	Cs.	Price, ₩
SL.Cas3002	Cassettes, Tissue, One-piece Integral Lid, 40×28×h7mm, Blue	250ea	29,630	10pk	274,250
SL.Cas3022	, Yellow *New*	250ea	29,630	10pk	274,250

(2) Biopsy Cassette, with Fine Square Openings

		Pk.	Price, ₩	Cs.	Price, ₩
SL.Cas3007	Cassettes, Biopsy, One-piece Integral Lid, 40×28×h7mm, Blue	250ea	29,630	10pk	274,250
SL.Cas3027	, White *New*	250ea	29,630	10pk	274,250

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description

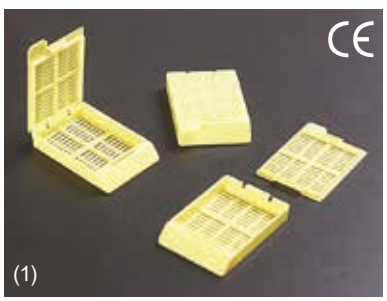


SciLab® Detachable Lid Tissue Cassette, with 45° Angled Writing Surface
Suitable for Automated Labeling Machines, Heat-Resistant, **커버 분리형 티슈 카세트**

■ ***Supplied by SciLab Korea*** ■ ***CE Certified*** ■ ***Size ; 40×28×h7mm***
■ ***Made of POM(Polyoxymethylene Resin) ;***
Excellent Resistant to Chemical Action of Histological Solvents, −40℃+90℃ Stable.
∗ Can be Opened & Closed as Often as Possible.
∗ with 45° Angled Writing Surface. ∗ Detachable Lid Type. White.

〈L1〉

		Pk.	Price, ₩	Cs.	Price, ₩
SL.Cas3003	Cassettes, Tissue, Detachable Lid, 40×28×h7mm, White	250ea	27,350	10pk	253,170
SL.Cas3023	, Pink *New*	250ea	27,350	10pk	253,170



(1)



(2)

SciLab® Tissue & Biopsy Cassette, with Special Hinged Lid & 45° Angled Writing Surface
Suitable for Automated Labeling Machines, Heat-Resistant, **티슈 & 바이옵시 카세트, 경첩식 카세트**

■ ***Supplied by SciLab Korea*** ■ ***CE Certified*** ■ ***Size ; 40×28×h7mm***
■ ***Made of POM(Polyoxymethylene Resin) ;***
Excellent Resistant to Chemical Action of Histological Solvents, −40℃+90℃ Stable.
■ ***Special Hinge hold the Base & Lid ; Soft & Sturdy.***
∗ Can be Opened & Closed as Often as Possible. ∗ with 45° Angled Writing Surface.

〈L1〉

(1) Tissue Cassette

		Pk.	Price, ₩	Cs.	Price, ₩
SL.Cas3001	Cassettes, Tissue, Hinged Lid, 40×28×h7mm, Yellow	250ea	31,340	10pk	290,140
SL.Cas3021	, Blue *New*	250ea	31,340	10pk	290,140

(2) Biopsy Cassette, with Fine Square Openings

		Pk.	Price, ₩	Cs.	Price, ₩
SL.Cas3006	Cassettes, Biopsy, Hinged Lid, 40×28×h7mm, White	250ea	35,710	10pk	330,520
SL.Cas3026	, Yellow *New*	250ea	35,710	10pk	330,520



(1)



(2)

SciLab® Front Hinged Design Tissue Cassette, Standard & 4 Compartment Form
With 45° Angled Writing Surface, Heat-Resistant, Front-Hinged Lid **형 티슈 카세트, 표준형 & 4칸형**

■ ***Supplied by SciLab Korea*** ■ ***CE Certified*** ■ ***Size ; 40×28×h7mm***
■ ***Made of POM(Polyoxymethylene Resin) ;***
Excellent Resistant to Chemical Action of Histological Solvents, −40℃+90℃ Stable.
■ ***Suitable for Automated Labeling Machines.***
∗ Can be Opened & Closed as Often as Possible. ∗ with 45° Angled Writing Surface.

〈L1〉

(1) Standard Form

		Pk.	Price, ₩	Cs.	Price, ₩
SL.Cas3004	Cassettes, Tissue, w/Front-hinged Lid, 40×28×h7mm, Blue	250ea	31,340	10pk	290,140
SL.Cas3024	, Yellow *New*	250ea	31,340	10pk	290,140

(2) 4-Square Compartment Form

		Pk.	Price, ₩	Cs.	Price, ₩
SL.Cas3005	Cassettes, Tissue, w/Front-hinged Lid, 40×28×h7mm, Blue	250ea	35,710	10pk	330,520



(1)



(2)

For IVD USE

Simport® Histosette® II POM Front Hinge Tissue & Biopsy Cassette, 45° Angle, h6.8mm
Suitable for Most Labeling Instruments, **경첩식 티슈 & 바이옵시 카세트**

■ ***Supplied by Simport® in Canada*** ■ ***Anterior Writing Area at a 45° Angle*** ■ ***40×28×h6.8mm***
■ ***The Front Hinge Design allows Single-handed Cassette Manipulation, Made of Acetal Polymer(POM)***
∗ The back-mounted Locking Device Securely Holds the Lid in place
∗ A Secure Locking device Safely Holds the Specimen during Processing
∗ Keeps Specimens Safely Submerged in Liquid
∗ The Efficient Flow-through Slots Maximize Fluid Exchange and Ensure proper Drainage.
∗ Totally Resistant to the Chemical Action of most Histological Solvents

〈L1〉

(1) Front Hinge Tissue Cassette, Attached Lid

		Pk.	Price, ₩	Cs.	Price, ₩
SP.M492.2	Cassette, Tissue, Attached Lid, 45°, White	500ea	104,490	3pk	298,500
SP.M492.5	, Yellow	500ea	104,490	3pk	298,500

(2) Front Hinge Biopsy Cassette, Attached Lid

∗ 1mm Square Openings

		Pk.	Price, ₩	Cs.	Price, ₩
SP.M493.2	Cassette, Biopsy, Attached Lid, 45°, White	500ea	99,690	3pk	284,700
SP.M493.5	, Yellow	500ea	99,690	3pk	284,700

Articles	Cat. No	Description



Kartell® POM Deep-type Tissue Embedding Cassette, 13.6mm High-height
With Lid, 30° Angled Writing Surface, <Italy-Made> Deep형 티슈카세트

■ ***Using : Suitable for Larger/Thicker Specimens*** ■ ***40×28×h13.6mm***
■ ***MEGA-type : Mega-capacity·Mega-Height 13.6mm***
∗ Disposable POM(Polyoxymethylene) Cassette, -40℃+90℃ Heat-resistant
∗ The Efficient Flow-through Slots Maximize Fluid Exchange and Ensure Proper Drainage.
∗ The Clip-On Lid can be Opened or Closed as Often as Necessary and Relock Securely without Danger of Specimen Loss.
∗ Can be Labeling, Writing Area-angle is 30° in front side

〈L1〉

		Pk.	Price, ₩	Cs.	Price, ₩
KA.2925.03	Cassette, Tissue, Deep, White	100ea	39,980	10pk	387,680
KA.2925.04	, Blue	100ea	39,980	10pk	387,680
KA.2925.06	, Yellow	100ea	39,980	10pk	387,680





SciLab® Tissue & Biopsy Cassette in Sleeve, POM, Detachable Lid, 75/Sleeve, h6mm
Suitable for Thermo Fisher Printers, 45° Angle Writing Surface, 슬리브형 카세트, 커버 별도 포장

■ ***Supplied by SciLab Korea*** ■ ***Ideal for Thermal Transfer Printer : Thermo Fisher®***
■ ***생검 또는 조직샘플을 안전하게 취급과 효율적으로 고정, 탈수, 침투 및 포매 처리 및 분석에 적합***
■ ***써모피셔 카세트 라벨링 프린터에 최적화된 슬리브타입의 카세트***
■ ***Made of POM(Polyoxymethylene Resin);***
Excellent Resistant to Chemical Action of Histological Solvents, −40℃+90℃ Stable.
∗ Pre-filled Cassette Sleeves enable Efficient Workflow
∗ Slanted Front Writing Surface of 45° Angle is Adaptable to Most of the Cassette Printers.
∗ Compatible with Inkjet, Thermal Transfer and Laser Printer ∗ Lids Packaged Separately

(1) Tissue Cassettes in Sleeve

∗ Cassette Size; 41.1×28.3×h6mm
∗ Square Opening Size; 5×0.8mm

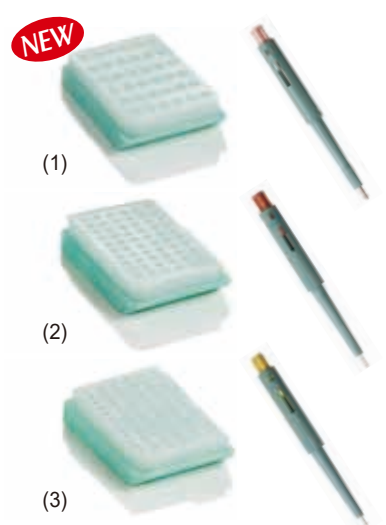
〈L1〉

		Pk.	Price, ₩	Cs.	Price, ₩
SL.Cas3031	Cassette in Sleeve, Tissue, White	75ea	13,930	20pk	257,860
SL.Cas3032	, Blue	75ea	13,930	20pk	257,860

(2) Biopsy Cassettes in Sleeve

∗ Cassette Size; 41.1×28.4×h5.95mm
∗ Square Opening Size; 0.7×0.7mm

		Pk.	Price, ₩	Cs.	Price, ₩
SL.Cas3034	Cassette in Sleeve, Biopsy, White	75ea	13,930	20pk	257,860
SL.Cas3035	, Blue	75ea	13,930	20pk	257,860



Simport® Precast T-Sue™ Paraffin Block Kit, for Constructing Tissue Microarrays up to 72 Specimens
With 6 Precast Paraffin Blocks and 2 Punch Needles with Stylet, Core Φ1.5~3mm, 파라핀블록 키트

■ ***Supplied by Simport® in Canada***
■ ***Molds made of paraffin, Cassettes made of Acetal***
■ ***Punch Needles are Used for Filling Recipient Tissue Microarray Paraffin Blocks***
∗ Constructs a Tissue Array Block in minutes; No Specific Technical Training or Experience is needed
∗ Simply Punch the Donor Tissue Cores and Insert them into the Pre-made Paraffin Recipient Block.
∗ Support Cassette is Permanently Bonded to Block
∗ Color-coded Internal Plunger System of Punch Needles offers a Convenient User Controlled Ejection of Cores.
∗ How-to-use Instructions are included.
∗ Block : 41×28.5×h6mm

〈L1〉

		Set.	Price, ₩
SP.M473.36PC	(1) Paraffin Block, 36×Φ3mm Cores, 3mm Pink Punch	6ea	264,150
SP.M473.60PC	(2) , 60×Φ2mm Cores, 2mm Red Punch	6ea	264,150
SP.M473.72PC	(3) , 72×Φ1.5mm Cores, 1.5mm Yellow Punch	6ea	264,150

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



Simport® Paraffin Block Mailer, for All Regular Tissue & Biopsy Cassettes, 6 Compartments Made of PVC, with Attached Cover, 파라핀블록 메일러, 커버 일체형

■ ***Supplied by Simport® in Canada***
■ ***Designed for Handling and Shipping up to 6 Blocks***
* Suitable for All Regular Models of Tissue and Biopsy Cassettes.
* Transparent for Easy Viewing of Contents
* The Attached Cover is Easy to Close but very Secure when Closed.
* 141×134×h29mm



Fig. Mailer with Cassette

〈L1〉

		Cs.	Price, ₩
SP.M477.6	Paraffin Block Mailer	50ea	156,350



Simport® Koolplate™ Cooling Tray, for Chilling and Preparing Paraffin Blocks, up to 4 Hours Consists of 6 Cooling Trays and 1 Insulating Base, 파라핀블록 쿨링 트레이

■ ***Supplied by Simport® in Canada***
■ ***파라핀 블럭 준비단계 및 냉각시 사용***
■ ***최소 16시간 이상 냉동실에서 얼린 후 스티로폼 단열 베이스와 사용하면 최대 4시간 동안 표면을 차갑게 유지 가능***
■ ***Tray made of Thick Wall HIPS(High Impact Polystyrene) in order to Ensure a Sturdy Construction***
■ ***Insulator Base made of Styrofoam***
■ ***Ideal for Chilling and Preparing Paraffin Blocks for Sectioning at the Microtome***
* It Freezes overnight (16 hours) in a Freezer and the Surface remains Cold for up to 4 Hours when used with the Styrofoam Insulator Base placed under the KoolPlate™
* Prolongs Cooling and Prevents Moisture Accumulation.
* Stackable, Great Space-saving * 279×139.7×h25.4mm

※ **Warning : Not for use with Organic Solvents such as Toluene, Xylene, Acetone, etc.**

〈L1〉

		Cs.	Price, ₩
SP.M479.24	KoolPlate™ 6 Cooling Trays with 1 Insulator Base/set	1set	396,250
SP.M479BA	Styrofoam Insulator Base only, 6ea/set	1set	80,620

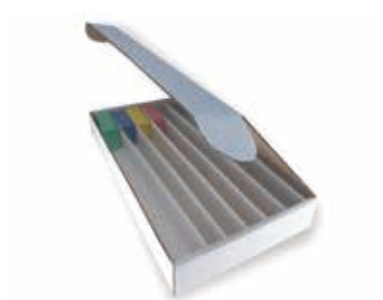


Simport® HIPS Modular Storage Drawer, for Cassettes or Rings, Stackable With Identification Label, <Canada-Made> 카세트/링 보관서랍

■ ***Made of High Impact Polystyrene, -80℃+80℃***
* Each Drawer Stores up to 165 Embedding Rings or 250 Cassettes
* Stackable to any Convenient Height, thanks to Interlocking Ridges on Top and Bottom
* Drawer only, without Cassettes

〈L1〉

		Ea.	Price, ₩	Cs.	Price, ₩
SP.M495.6	Drawer, HIPS, 40.5×23×h5.1cm		32,630	6ea	186,280



Simport® Storage Box, for Cassettes or Rings, Heavy-duty Cardboard With Identification Label and Cardboard Separators, <Canada-Made> 카세트/링 보관박스

■ ***Made of Durable, Wate-resistant, Heavy-duty Cardboard for Long-term Storage***
* Label and Separators for recording of number, date and type of specimens.
* Each Box can Store up to 165 Embedding Rings or 250 Cassettes.

〈L1〉

		Ea.	Price, ₩	Cs.	Price, ₩
SP.M495.7	Storage Box, Heavy-duty cardboard, 40.5×23×h5.1cm		16,020	12ea	182,930

Articles	Cat. No	Description

DAIHAN® Homogenizing Stirrer "HS-30E", for Tissue Grinder, 200~5,000rpm
Analog Phase Control, without Tissue Grinder, with Certi. & Traceability, 호모지나이저 스터러



B. Homogenizing Stirrer Package-Set "HS-30E"

■ ***Supplied by DAIHAN Korea*** ■ ***CE Certified*** ■ ***PL (Product Liability) Insurance***
■ ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
■ ***Ideal for usage with Tissue Grinders***

* Designed for most Laboratory Applications such as Homogenizing or Mixing
* Compact Unit with Solid State Speed Control

Specifications & Ordering information

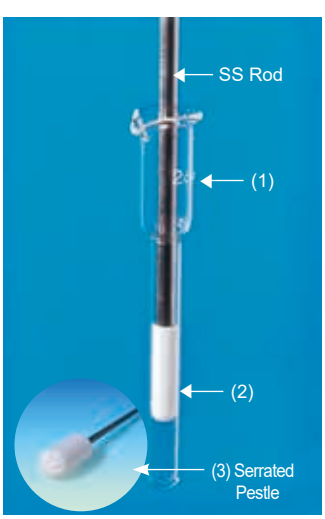
<L1>

Spec. \ Model		A. "HS-30E" Unit Only	B. "HS-30E" Package Set
Speed Range & Max. Torque		200 ~ 5,000 rpm, 85 Ncm	
Stirring Capacity		Max. 10 Lit	
Motor Rating		Input : 83W, Output : 75W, 1/10 HP	
Safety Device		Over Heat Protector	
Controller		Analog Phase Controller	
Consists of		Unit Only	Unit, "CL200" Clamp, "ST110" Stand Set (Rod & Plate)
Dimension & Weight		90×145×h180mm, 3.5kg	
Packing Size & Gross Weight		320×300×h190mm, 5kg	
Power Consumption		75W	
Electric Reqts.		1 Phase, AC 120V, 60Hz or AC 230V, 50 / 60Hz	
Cat. No.	230V	DH.WOS01010	DH.WOS01011
	120V	DH.WOS02010	DH.WOS02011
Price, Each. ₩		392,000	530,000

* Other Specifications are available upon Customer's Request.

※ ***Note!*** **The Package does not Include a Tissue Grinder**

Cowie® Tissue Grinder, with PTFE Pestle Head · Borosilicate Glass Mortar · Stainless-steel Pestle Rod, 2~50㎖
Good Chemical/Heat Resistance, Standard- & Serrated-type PTFE Head Pestles, <UK-Made> 티슈 그라인더



■ ***Supplied by Cowie® in U.K***

* Use for the Controlled Reduction of Particle Size and Homogenisation for a Variety of Substances, especially Biological Material.
* The pestle head is pure PTFE and pestle rod Stainless-steel, Φ6.5mm
* SS Pestle Rod is Perfect for Motor Drive
* Pestle Length : 230~270mm
* The Mortar is precision borosilicate glass.

(1) Glass Mortar, Borosilicate Only, 2~50㎖

<L1>

		Ea. Price, ₩
CW.011.102	Mortar, 2㎖, Φ8×L120mm	61,080
CW.011.105	, 5㎖, Φ12×L135mm	71,150
CW.011.110	, 10㎖, Φ15×L150mm	75,650
CW.011.115	, 15㎖, Φ19×L155mm	84,720
CW.011.130	, 30㎖, Φ25×L175mm	99,500
CW.011.150	, 50㎖, Φ32×L195mm	122,930

(2) Standard-type Pestles Only

		Ea. Price, ₩
CW.011.202	Pestle, S/T, for 2㎖	30,140
CW.011.205	, for 5㎖	29,370
CW.011.210	, for 10㎖	30,430
CW.011.215	, for 15㎖	39,140
CW.011.230	, for 30㎖	48,180
CW.011.250	, for 50㎖	61,050

(3) Serrated-type Pestles Only

		Ea. Price, ₩
CW.011.302	Pestle, Ser., for 2㎖	31,440
CW.011.305	, for 5㎖	31,100
CW.011.310	, for 10㎖	32,230
CW.011.315	, for 15㎖	41,970
CW.011.330	, for 30㎖	51,050
CW.011.350	, for 50㎖	64,280

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description

Wheaton® High-functional Glass Tissue Grinder Set, ASTM/USP type-Ⅰ Standards, 0.1~55㎖, 각종 티슈 그라인더



(1) Micro-Disposable, 0.75㎖



(2) Micro-Potter



(3) Micro-Tapered



(4) Micro-Capped



(5) Tenbroeck



(6) Dounce



(7) Tapered Tissue Grinder
With Glass Pestle

■ ***Supplied by Wheaton® in USA*** ■ ***Set with Mortar & Pestle(Glass or PTFE)***

(1) Disposable Micro Tissue Grinder, Clear Glass, 0.75㎖

∗ Disposable to Eliminate Cross Contamination and Useful for Radioactive Samples.
∗ Small Grinder Area allow for High Sample Recovery.
∗ Made from WHEATON 33 Low Extractable Borosilicate Glass.

〈L1〉

		Cs.	Price, ₩
WH.357860	Tissue Grinder, Mortar 8×44 mm, Pestle L88mm	25ea	506,480

(2) Potter-Elvehjem type, with Reservoir & Pouring Lip, 0.1㎖

∗ Made from Wheaton 33 Low Extractable Borosilicate Glass ∗ Micro Size for Extremely Precise Work
∗ Reservoir and Pouring Lip are incorporated into the design ∗ Pestle Clearance Range : 0.1-0.15mm
∗ Autoclavable

		Cs.	Price, ₩
WH.357844	Tissue Grinder, 0.1㎖, Mortar Φ4×L65 mm, Pestle L110mm	2ea	320,830

(3) Tapered-type, with Teflon spacer, 0.2㎖

∗ Finely Ground Glass Pestle & Mortar. ∗ Made from WHEATON 33 Low Extractable Borosilicate Glass.
∗ PTFE Spacer Aligns Pestle and Reduces Aerosoling of Products.
∗ Provided in Matched sets. ∗ Autoclavable

		Cs.	Price, ₩
WH.357848	Tissue Grinder, 0.2㎖, Mortar Φ7×L33 mm, Pestle L115mm	2ea	252,170

(4) Micro Tissue Grinder, 0.5㎖ with Teflon Pestle & Open top Screwcap

∗ with PTFE Pestle and Screwcap.
∗ 13-425 Open top Screwcap and PTFE Faced Silicone Rubber Liner.
∗ Made from WHEATON 33 Low Extractable Borosilicate Glass.
∗ Autoclavable. ∗ Pestle Clearance Range : 0.002-0.006″(0.05-0.15mm)

		Ea. Price,₩	Cs.	Price, ₩
WH.357535	Tissue Grinder 0.5㎖, Mortar Φ13×L37 mm , Pestle L115mm	302,070	2ea	559,280
WH.357537	Spare Pestle		2ea	204,290

(5) Tenbroeck Tissue Grinder, with Handle, 1~40㎖

∗ Ideal for Grinding Liver, Intestine and Heart Tissue.
∗ Made from WHEATON 33 Low Extractable Borosilicate Glass.
∗ Hollow pestle can be packed with ice and mortar contains expanded reservoir and pouring lip for easy decanting.
∗ Components are interchangeably ground eliminating need to keep parts matched during cleaning.
∗ Unit can be autoclaved/sterilized to prevent cross contamination between samples.
∗ Pestle clearance Range : 0.09-0.16mm

		Ea. Price,₩	Cs.	Price, ₩
WH.357421	Tissue Grinder, 1㎖ , Mortar Φ11× L 48 mm, Pestle L140mm	209,800	2ea	388,480
WH.357422	, 2㎖ , Φ11× L 50 mm, L140mm	264,080	2ea	488,950
WH.357424	, 7㎖ , Φ16× L 82 mm, L190mm	273,300	2ea	506,070
WH.357426	, 15㎖, Φ20× L 94 mm, L250mm	296,270	2ea	548,580
WH.357428	, 40㎖, Φ30×L140 mm, L320mm	382,850	2ea	708,930

(6) Dounce Tissue Grinder, with 2 Handled Pestles, 1~40㎖ Glass

■ ***Ideal for Enzyme studies.*** ■ ***Ball pestle is reduced glass accumulation***
∗ Designed to retain a high percentage of all nuclei and mitochondria in soft tissues.
∗ Large Reservoir Mortar & Pouring Lip.
∗ 2×Pestle : 1) "A-Tight" Pestle(0.001"~0.003" Clearance)
2) "B-Loose" Pestle(0.0035"~0.0055" Clearance)

		Ea. Price,₩	Cs.	Price, ₩
WH.357538	Tissue Grinder, 1㎖ , Mortar Φ11× L 48 mm, Pestle L125mm	292,040	2ea	540,750
WH.357542	, 7㎖ , Φ13× L 82 mm, L175mm	321,500	2ea	595,320
WH.357544	, 15㎖, Φ22× L 94 mm, L210mm	369,570	2ea	684,320
WH.357546	, 40㎖, Φ32×L140 mm, L285mm	459,950	2ea	851,730

(7) Tapered Tissue Grinder, with Glass Pestle

∗ Useful of homogenizing Connective Tissue including Heart, Muscle & Lung, and Skin & Plant Tissue.
∗ Uniform 0.1~0.15mm Clearance between Pestle & Mortar ∗ Autoclavable

		Ea.	Price, ₩
WH.358103	Tissue Grinder, 1㎖ , Mortar Φ11× L 49 mm, Pestle L130mm		291,230
WH.358107	, 3㎖ , Φ11× L 86 mm, L220mm		291,230
WH.358111	, 5㎖ , Φ13× L 93 mm, L220mm		293,770
WH.358115	, 15㎖, Φ18×L114 mm, L240mm		336,340

<Continued On Next Page>

Articles	Cat. No	Description

<*Continued From...* Wheaton® High-functional Tissue Grinders>



(8) Tapered Tissue Grinder With Teflon Pestle / Stainless Rod

(8) Tapered Tissue Grinder With Teflon Pestle/Stainless Rod, 모터 교반용에 편리

∗ Unit can be autoclaved/sterilized to prevent cross contamination between samples.
∗ Ideal for soft Tissues such as Brain ∗ Pestle Rod: Stainless Φ6.5 mm, Autoclavable

〈L1〉

		Ea.	Price, ₩
WH.358133	Tissue Grinder, 1㎖ , Mortar Φ11× L 49 mm, Pestle L130mm		261,500
WH.358137	, 3㎖ , Φ11× L 86 mm, L220mm		261,500
WH.358141	, 5㎖ , Φ13× L 93 mm, L220mm		295,640
WH.358145	, 15㎖, Φ18×L114 mm, L240mm		335,520



(9) Potter-Elvehjem Tissue Grinder

Wheaton® Potter-Elvehjem 2~55㎖ Tissue Grinders, with PTFE Pestle/Stainless Red

■ 모터 Drive용에 최적

∗ Teflon Pestle for soft Tissue such as Brain or Liver ∗ 0.1~0.15 mm Clearance between Mortar & Pestle

(9) Standard-type, 기본형

		Ea. Price,₩	Cs.	Price, ₩
WH.358029	Tissue Grinder, 2㎖ , Mortar Φ11× L45 mm, Pestle L203mm	282,790	2ea	523,600
WH.358034	, 5㎖ , Φ13× L66 mm, L219mm	286,200	2ea	529,970
WH.358039	, 10㎖, Φ16× L74 mm, L219mm	290,620	2ea	538,100
WH.358044	, 15㎖, Φ19× L84 mm, L219mm	331,430	2ea	613,700
WH.358049	, 30㎖, Φ24× L118 mm, L266mm	386,080	2ea	714,890
WH.358054	, 55㎖, Φ30× L130 mm, L266mm	458,840	2ea	849,630
WH.358038	10㎖ Mortar only		2ea	236,930



(10) Safety Plastic Coated-type

(10) Safety Plastic Coated-type/Safe-Grind®, Autoclavable, 안전 코팅형

∗ More Importantly, the Safety Plastic Coating Creates a Greater Safety Factor in the Event the Mortar Cracks or Breaks during Power Homogenization.

		Ea. Price,₩	Cs.	Price, ₩
WH.358003	Tissue Grinder, 2㎖ , Mortar Φ11× L45 mm, Pestle L203mm	281,730	2ea	521,640
WH.358005	, 5㎖ , Φ13× L66 mm, L219mm	285,180	2ea	528,070
WH.358007	, 10㎖, Φ16× L74 mm, L219mm	289,400	2ea	535,850
WH.358009	, 15㎖, Φ19× L84 mm, L219mm	330,750	2ea	612,440
WH.358011	, 30㎖, Φ24× L118 mm, L266mm	381,880	2ea	707,100
WH.358013	, 55㎖, Φ30× L130 mm, L266mm	451,630	2ea	836,280
WH.358014	55㎖ Mortar only		2ea	353,350



Micro Tissue Grinder Kit

Wheaton® Micro Tissue Grinder Kit, with 7×grinder & Case, 0.1~2㎖, <USA-Made>
마이크로 티슈 그라인더-Set/7종

A complete selection of Wheaton Micro Tissue Grinders is conveniently packed in a lightweight protective carrying case. Kit provides a choice of tissue grinder when various types of tissue are to be ground. The 0.5㎖ Micro Tissue Grinder with screw cap can be used for tissue grinding as well as for additional procedures.

∗ Mortal made from WHEATON 33 Low Extractable Borosilicate Glass.
∗ Complete kit includes 7 micro tissue grinders.
∗ Packaged in Polyethylene Case with Foam Inserts.
∗ Autoclavable Tissue Grinders.

Component : ① 357421- 1㎖ Tenbroeck Tissue Grinder
② 357535- 0.5㎖ Tissue Grinder, 13-425cap
③ 357538- 1㎖ Dounce Tissue Grinder
④ 357844- 0.1㎖ Tissue Grinder
⑤ 357848- 0.2㎖ Tissue Grinder
⑥ 358029- 2㎖ Potter-Elvehjem Tissue Grinder
⑦ 358133- 1㎖ Tapered Tissue Grinder

〈L1〉

		Set.	Price, ₩
WH.358204	**Complete Kit** (7 pcs Kit)		1,348,040

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



SciLab® Battery Operated Microtube Homogenizer, for Φ6/7mm Pestle, 12,000rpm
Ideal for Resuspend Protein or Grind Soft Tissue, with Stand 0.5/1.5㎖ 튜브 호모지나이저, 전동

■ ***Made in Korea***
■ ***Ideal for Resuspend Protein or Grind Soft Tissue in 0.5 & 1.5㎖ Microtube***
∗ Lightweight 120g ∗ Power Supply : AAA Battery(1.5V)×3ea(Sold Separately)
∗ Including PP Pestle

〈L1〉

		Pk.	Price, ₩
SL.Gri8001	Homogenizer, Φ32×h235mm, 12,000rpm		50,320



(1) PP Pestle



(2) Teflon Pestle with SS-handle

SciLab® Homogenizer Pestle for 0.5 & 1.5㎖ Microtube, L85 · 87 · 143mm
Good Chemical/Heat Resistance, All-PP Pestle and PTFE/SS Pestle, 0.5/1.5㎖ 튜브용 페슬

■ ***Supplied by SciLab Korea***
■ ***Homogenizing/Grinding Soft Tissue, Resuspend Protein and DNA Pellet in Microtubes***
■ ***Fits Common 1.5㎖ Microcentrifuge Tube*** ∗ Good Finished ∗ Autoclavable

〈L2〉

(1) PP Pestle

		dh pk.	Price, ₩	Pk.	Price, ₩
SL.Tub3191	Pestle, for 0.5㎖ Microtube, Φ5/4(handle)×L85mm 5 Color Random(Blue, Green, Red, Orange, Purple)	1ea	2,730	10ea	25,220
SL.Tub3101.1	, for 1.5㎖ Microtube, Φ6/5(handle)×L87mm, Green	20ea	7,470	100ea	34,500

〈L1〉

(2) PTFE with SS-handle Pestle

		Ea.	Price, ₩
SL.Tub3101.2	Pestle, for 0.5 & 1.5㎖ Microtube, Φ7/3(handle)×L143mm		3,700

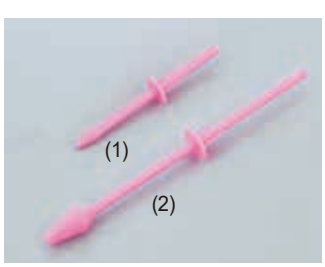


Biofil® PBT White Pestles and 1.5㎖ Micro Centrifuge Tube Set, γ-Sterile, Individually Package
Ideal for Grind of Soft Tissue, Protein and DNA Resuspension, Easy Grip, 1.5㎖, 튜브 & 패슬 세트

■ ***Manufactured in Class 100,000 Cleanroom with Materials Conforming to USP CLASS VI Standards under the Quality Control of ISO 13485 & 9001 and CE.***
■ ***Batch Certifications : Lot No. is Printed on Every Case(or Pack) for Quality Traceability.***
∗ Pestle : Made of PolyButylene Tereohalate, Tube : Made of Polypropylene
∗ High Hardness and Wear Resistance ∗ Special Design Handle Easy to Grip
∗ One Hand Easy Flip to Open the Cap
∗ Certified DNase / RNase free and Non-Pyrogenic

〈L1〉

		Pk.	Price, ₩	Cs.	Price, ₩
J1.S003.002	Pestle and 1.5㎖ Micro Centrifuge Tubes Set	1ea	480	100ea	41,770
J1.S001.002	**Spare** Pestle, for 1.5㎖ Micro Centrifuge Tubes	1ea	390	100ea	34,800



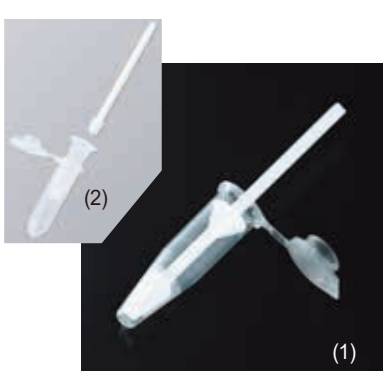


Sterile Homogenizer Pestle, for 1.5㎖ & 5㎖ Conical Tube
Sterilized by γ-Ray, 멸균 호모지나이저 페슬

■ ***재질: PP*** ■ ***γ 선살균*** ■ ***DNase, RNase, DNA프리***
∗ for a Pestle Homogenizer ∗ DNase, RNase free, DNA free
∗ Material : PP(Polyprophylene)

〈L2〉

		Pk.	Price, ₩
SL.Tub3291	(1) Pestle, for 1.5㎖ Conical Bottom Tube, L80mm	10ea	9,880
SL.Tub3292	(2) , for 5㎖ Tube, L154mm	10ea	13,280



Disposable Homogenizer Set of 1.5 & 2㎖ Microtube & Pestle
With PP Microtube & POM Pestle, 일회용 마이크로 튜브 호모지나이저

■ ***EOG 살균*** ■ ***마이크로 튜브는 고압 멸균 가능***
∗ The Crushing Effect is Enhanced by marking Stirring Rod and the Inner Surface of the Micro tube Dimpled
∗ It disrupts effectively as Pretreatment for Ectraction of DNA · RNA · Protein
∗ Material : Microtube-PP(Polyprophylene), Stirring Bar-POM(Polyoxymethylene)
∗ Filter(SL.Tub3182) : PP(Polyprophylene), Pore Size-Φ80~145㎛

〈L2〉

		Pk.	Price, ₩
SL.Tub3181	(1) Homogenizer, with PP micro tube - 1.5㎖ & POM Stirring rod	50set	130,480
SL.Tub3182	(2) - 2.0㎖ & POM Stirring rod	50set	148,200

Articles	Cat. No	Description


for 100~1000ml Beaker

SciLab® Beaker Safety Tong, Stainless-steel, for 100㎖~1000㎖ Beaker
With Bio-insulating Material Attached to Clamp Part, L350mm, <Korea-Made> 비커 집게

■ ***Jaw부분에 가열된 실험기구를 안전하게 홀딩 할 수 있도록 단열 재질로 커버되어있음***
∗ Material : 18/10 Non-magnetic Stainless-steel(SS) ∗ Grip Capa. Up to 100㎖ ~ 1000㎖ Beaker 〈L1〉
∗ with Bio Insulating Jaw for Use in Heating Beaker / Labware

		Ea. Price, ₩
SL.Ton7011	Tong, for beaker, L350mm	11,390


Heavy-duty Beaker Tong

Bochem® Stainless-steel Heavy-duty Beaker Tong, Silicone tube Covered, L250mm
With 3-prong, Non-magnetic, Polished Surface, 비자성 스텐 비커 집게

■ ***Supplied by Bochem® in Germany*** ■ ***가열된 실험기구를 안전하게 홀딩 할 수 있도록 실리콘 커버가 되어있음***
∗ Made of Non-Magnetic 18/10 Stainless-steel(SS), Polished, Melt-point 1,400℃ 〈L1〉
∗ Heavy-duty, Silicone Covered 3-prongs of 6mm Thickness

		Ea. Price, ₩
BC.2200	Beaker Tong, Stainless-steel 3-prong, L250mm	44,850


Grip Capa. 50 mm

SciLab® Flask Safety Tong, Stainless-steel, Grip Capa. 50mm, L230mm
With "V"-shape, for Handling Flask, 플라스크 집게

■ ***Made in Korea*** ∗ Material : Non-magnetic Stainless-steel(SS) 〈L1〉
∗ "V"-Shape Tong Giving on extremely Firm Grip Jaws to Flask of Any Shape

		Ea. Price, ₩
SL.Ton7014	Tong for flask, L230mm, Grip Capa. 50mm	10,890


Grip Capa. 27~110 mm

(1) Double Bent-type

SciLab® Bented Crucible Tong, with Corrugated Tip, L150~500mm
With Double Bent & Single Bent-types, 18/10 Stainless-steel, 스텐 도가니 집게

■ ***Supplied by SciLab Korea*** ∗ Fitted with Hard, Corrugated Tips for Handling Crucible in Furnaces.
〈L1〉

(1) Double Bent-type, L160~L400mm

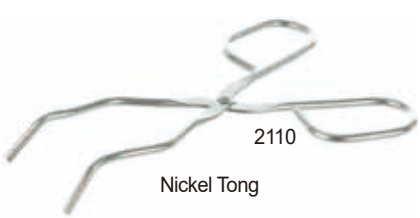
		Ea. Price, ₩
SL.Ton7031	Tong, for Crucible, Stainless-steel, L160mm, Grip capa. 27~60mm	7,630
SL.Ton7032	, L230mm, . 27~80mm	8,570
SL.Ton7033	, L300mm, . 30~100mm	9,530
SL.Ton7034	, L400mm, . 35~110mm	14,600


Grip Capa. 20~115 mm

(2) Heavy-duty Single Bent-type

(2) Heavy-duty Single Bent-type, L150~L500mm

		Ea. Price, ₩
SL.Ton7041	Crucible Tong, Stainless-steel, L150mm, Grip capa. 20~50mm	10,740
SL.Ton7042	, L200mm, . 27~75mm	13,430
SL.Ton7043	, L250mm, . 45~100mm	16,130
SL.Ton7044	, L300mm, . 46~105mm	26,830
SL.Ton7045	, L400mm, . 49~115mm	37,540
SL.Ton7046	, L500mm, . 47~115mm	48,250

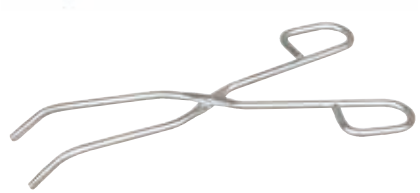


Nickel Tong

Bochem® 99.5% Nickel Crucible Tong, High-quality Shiny, L200mm, MP 1,455℃
For High-temperature Work, "Corrosion-Free" under Inert Gas, 니켈 도가니 집게

■ ***Supplied by Bochem® in Germany***
∗ 99.5% Pure Nickel, Sp 8.89 g/cm³, Melting-point 1,400℃ ∗ Handling Crucible in Furnaces 〈L1〉

		Ea. Price, ₩
BC.2110	Crucible Tong, 99.5% Nickel, L200mm	162,520



SciLab® Utility Straight Tong, L150~500mm
Made of Non-magnetic 18/10 Stainless-steel, 다용도 직선형 집게

■ ***Supplied by SciLab Korea*** 〈L1〉
∗ Made of Non Magnetic 18/10 Stainless-steel (SS), Melting-point 1,455℃

		Ea. Price, ₩
SL.Ton7021	Utility Straight Tong, Stainless-steel, L150mm	10,740
SL.Ton7022	, L200mm	13,430
SL.Ton7023	, L250mm	16,130
SL.Ton7024	, L300mm	26,830
SL.Ton7025	, L400mm	37,540
SL.Ton7026	, L500mm	48,250



Sterilizing Tong

Bochem® Sterilizing Tong, L280mm, 5mm Thickness
Made of Non-magnetic Stainless-steel, Polished Surface, 멸균용 집게

■ ***Supplied by Bochem® in Germany*** 〈L1〉
∗ Made of Non-Magnetic 18/10 Stainless-steel(SS), Polished, Melting-point 1,400℃

		Ea. Price, ₩
BC.2262	Steril. Tong, Stainless-steel, L280mm	22,590

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



Hammacher® Premium Holding Tongs Wironit™ Non-magnetic/Rust-free Stainless-steel
Rigged Jaw, L200 · 255 · 280mm, <Germany-Made> 프리미엄 집게, 독일제, 다용도, 비자성/비부식 특수스텐

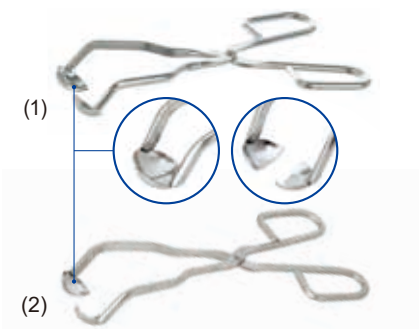
■ *Germany-made 프리미엄급, Wironit™ 특수스텐(18/12 크롬·니켈) 제품; 비자성, 비부식, 내산성/내약품성/내열성 우수*
■ *Wironit™ Special Stainless-steel of 18/12 Cr-Ni; Non-magnetic, Rust-free, Excellent Resistance to Acid / Chemicals / Heat*

(1) Oval-shape, L200 & 280 mm

		〈L1〉 Ea. Price, ₩
HA.HWN310.20	Tong, Oval-shape, Rigged Jaw-Φ4.5mm, L200mm	90,150
HA.HWN312.28	, L280mm	91,950

(2) Triangle-shape, L255mm

		Ea. Price, ₩
HA.HWN309.25	Tong, Triangle-shape, Rigged Jaw-L35mm, L255mm	65,690



Stainless-steel Tong for Assays, L220 & 225mm
With 2×Assay Bowl Tip, Non-magnetic, Polished Surface, Assays 시료-집게

∗ Made of Non-Magnetic 18/10 Stainless-steel(SS), Polished, Melting-point 1,400℃
∗ With 2×Assay Bowl Tip, and 6mm Thickness Tong

(1) Bochem® Tong

■ *Supplied by Bochem® in Germany*

		〈L1〉 Ea. Price, ₩
BC.2240	Assay Tong, SS, L220mm	42,470

(2) Tong

■ *Supplied by SciLab in Korea*

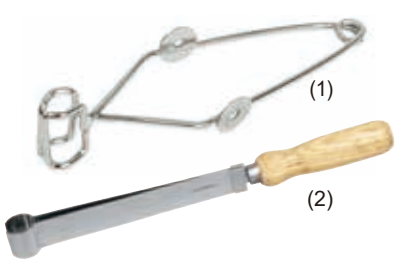
		Ea. Price, ₩
SL.Ton7055	Assay Tong, SS, L225mm	24,170



SciLab® Dish Safety Tong, Stainless-steel, Grip Capa. Φ65~120mm, L280mm
With 3-Safety Hooks to Hold Dish, Polished Surface, 증발접시 집게

■ *Made in Korea* ∗ Non-magnetic Stainless-steel(SS)

		〈L1〉 Ea. Price, ₩
SL.Ton7018	Tong for Dish, Grip capa. Φ65~120mm, L280mm	10,890



SciLab® Stainless-steel Test Tube Tong, Self-Closing, 2-type, for od Φ10~30mm
With Wire/Plate Jaw-type, Rustfree 18/10 Stainless-steel, 1400℃, 시험관 집게

■ *Supplied by SciLab Korea*

(1) Wire Jaw-type, with Finger Grip, for OD. Φ12~30mm Tubes

		〈L1〉 Ea. Price, ₩
SL.Ton7048	T. Tube Tong, Stainless-steel, for Φod 12~30mm L160mm	2,070

(2) Plate Jaw-type, with Wood Handle, for OD. Φ10~25mm Tubes

		Ea. Price, ₩
SL.Ton7050	T. Tube Tong, Stainless-steel, for Φod 10~25mm L250mm	5,400



Large Opening Comfort Tong, Non-Slip Coated, Φ40~100mm Grip
Ideal for Large Volume Articles, 18/10 Stainless-steel, 큰 부피용 집게

■ *Supplied by SciLab Korea*
■ *큰 부피용 집게로 Jaw 부분에 실리콘 커버가 씌워져있어 기물을 보다 안전하게 잡을 수 있음*

		〈L1〉 Ea. Price, ₩
SL.Ton7053	Tong, Silicone coated, grip Φ40~100 mm, L260mm	26,830



Classic Stainless-steel Tong, Multi-Use, L215 & 265mm
Good for Foodstuff, 다용도 스텐레스 집게

		〈B1〉 Pk. Price, ₩
DH.Ton7001	Stainless-steel Tongs, L215mm	1ea 1,540
DH.Ton7002	, L265mm	1ea 1,540



다용도 만능 집게, Multiuse Utility Tongs, L800mm
KOREA

■ *Good for Catching Dirty Objects.*
■ 활용도가 높은 만능 집게. ■ 안전하고 작동이 쉬운 Design.

		〈B3〉 Ea. Price, ₩
0493-831	다용도 만능 집게 "560302", 130×L800mm	6,410

Articles	Cat. No	Description



Emesis Basin, Stainless-steel, L200 & L250mm
High Polished, Corrosion Resistance, <Korea-Made> 농반/베이신, 의료용에 적합

Cat. No	Description	<L3> Ea.	Price, ₩
C9.3320	Basin, Stainless-steel, L200mm		12,350
C9.3340	, L250mm		13,650



(1) 18mm-Height Long

mediclin® Low-form Tray, 18 & 20mm-Height, For Medical & Laboratory, 0.8~4Lit
Stainless-steel #304, High Finished Surface & Corrosive Resistance, 스텐레스 단형 트레이

■ ***Supplied by DAIHAN Korea***
* Thickness 0.8mm, High Polished, Smooth-Contour, Seamless. * Autoclavable

(1) 18mm-Height Rectangular Form, 1.4~2.4Lit

Cat. No	Description	<L3> Ea.	Price, ₩
C9.1701	Tray, Standard Rectangular, 335×270×h18mm, approx-1.4Lit		14,950
C9.1601	, Long Rectangular, 350×255×h16mm, approx-1.2Lit		33,800
C9.1605	, 480×320×h18mm, -2.4Lit		50,700



(2) 20mm-Height Standard

(2) 20mm-Height Standard Rectangular, Convenient Bottom, 0.8~4Lit NEW

Cat. No	Description	<M1> Ea.	Price, ₩
DM.Tra712	Tray, SS, 270×200×h20mm, approx-0.8Lit		10,910
DM.Tra713	, 320×220×h20mm, -1.2Lit		11,420
DM.Tra714	, 360×270×h20mm, -1.6Lit		13,510
DM.Tra715	, 400×300×h20mm, -2.0Lit		16,190
DM.Tra716	, 450×350×h20mm, -2.5Lit		19,050
DM.Tra717	, 500×350×h20mm, -3.0Lit		21,230
DM.Tra718	, 600×400×h20mm, -4.0Lit		28,770


(1) 40mm-Height Type

mediclin® 40 & 50-height Utility Tray, Good for Foodstuff · Medical · Laboratory, 1.6~10.1Lit
Stainless-steel, High Finished Surface & Corrosive Resistance, 스텐레스 다용도 트레이

■ ***Supplied by DAIHAN Korea***
* High Polished, Smooth-Contour, Seamless Stainless-steel(SS) #201 or #304

(1) 40mm-Height Type, 1.6~5.8Lit, SS #201

Cat. No	Description	<M1> Ea.	Price, ₩
C9.1170	Tray, SS, 250×200×h40mm, approx-1.6Lit		16,900
DM.Tra721	, 325×265×h40mm, -2.7Lit *New*		14,660
DM.Tra722	, 353×325×h40mm, -3.7Lit *New*		20,050
DM.Tra723	, 530×325×h40mm, -5.8Lit *New*		23,500



(2) 40mm-Height Tray & Lid Set

(2) 40mm-Height Tray Set, With Handled Flat Lid, 2.7~5.8Lit, SS #201 NEW

Cat. No	Description	Set.	Price, ₩
DM.Tra721S	Tray & Lid, SS, 325×265×h40mm, approx-2.7Lit	1set	27,880
DM.Tra722S	, 353×325×h40mm, -3.7Lit	1set	38,100
DM.Tra723S	, 530×325×h40mm, -5.8Lit	1set	41,760



(3) 50mm-Height Type

(3) 50mm-Height Type, Thick-0.8mm, 2.1~10.1Lit, SS #304 NEW

Cat. No	Description	Ea.	Price, ₩
DM.Tra731	Tray, SS, 270×200×h50mm, approx-2.1Lit		14,900
DM.Tra732	, 320×220×h50mm, -2.9Lit		16,210
DM.Tra733	, 360×270×h50mm, -4.0Lit		19,730
DM.Tra734	, 400×300×h50mm, -5.0Lit		22,050
DM.Tra735	, 450×350×h50mm, -6.3Lit		27,280
DM.Tra736	, 500×350×h50mm, -7.7Lit		32,410
DM.Tra737	, 600×400×h50mm, -10.1Lit		36,440

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description

mediclin® 65~200-height Deep Tray and Handled Flat Lid Separately, For Foodstuff · Medical · Laboratory, 1~29Lit

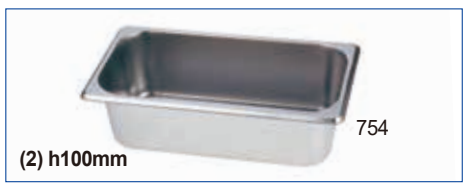
Stainless-steel #201, High Finished Surface & Corrosive Resistance, 스텐레스 딥트레이와 뚜껑(별매)

■ ***Supplied by DAIHAN Korea*** ∗ High Polished, Smooth-Contour, Seamless. ∗ Autoclavable ∗ The Volume(Lit) Appoximately.

▶ **The 150 & 200mm-Heght Trays with Lid; Useful For Storage Containner.**



(1) h65mm



(2) h100mm



(3) h150mm Tray / Container



(4) h200mm Tray / Container



(5) Lid / Cover

(1) 65mm Deep Tray Only, 1~9.5Lit

<M1>

		Ea. Price,₩
DM.Tra741	Tray, SS, 176×108×h65mm, approx-1.0Lit	8,170
DM.Tra742	, 176×162×h65mm, -1.5Lit	9,260
DM.Tra743	, 265×162×h65mm, -2.4Lit	12,130
DM.Tra744	, 325×176×h65mm, -3.3Lit	13,530
DM.Tra745	, 325×265×h65mm, -4.5Lit	15,600
DM.Tra746	, 353×325×h65mm, -6.1Lit	22,720
DM.Tra747	, 530×325×h65mm, -9.5Lit	24,870

(2) 100mm Deep Tray Only, 1.6~15Lit

		Ea. Price,₩
DM.Tra751	Tray, SS, 176×108×h100mm, approx-1.6Lit	11,210
DM.Tra752	, 176×162×h100mm, -2.3Lit	12,360
DM.Tra753	, 265×162×h100mm, -3.4Lit	15,350
DM.Tra754	, 325×176×h100mm, -4.7Lit	17,020
DM.Tra755	, 325×265×h100mm, -7.6Lit	19,780
DM.Tra756	, 353×325×h100mm, -10Lit	33,030
DM.Tra757	, 530×325×h100mm, -15Lit	36,860

(3) 150mm-height Container Tray Only, 2.3~23Lit

		Ea. Price,₩
DM.Tra761	Tray, SS, 176×108×h150mm, approx-2.3Lit	16,580
DM.Tra762	, 176×162×h150mm, -3.5Lit	18,630
DM.Tra763	, 265×162×h150mm, -5.5Lit	19,120
DM.Tra764	, 325×176×h150mm, -7.5Lit	23,530
DM.Tra765	, 325×265×h150mm, -10Lit	35,700
DM.Tra766	, 353×325×h150mm, -15Lit	50,870
DM.Tra767	, 530×325×h150mm, -23Lit	56,220

(4) 200mm-height Container Tray Only, 4.7~29Lit

		Ea. Price,₩
DM.Tra771	Tray, SS, 176×162×h200mm, approx-4.7Lit	27,420
DM.Tra772	, 325×265×h200mm, -15Lit	44,000
DM.Tra773	, 353×325×h200mm, -19Lit	60,550
DM.Tra774	, 530×325×h200mm, -29Lit	65,410

(5) Tray Lid Only, Flat-Form with Handle; Fit to All Trays of Same Size Length & Width (above Mentioned)

∗ Stackable Structure.

		Ea. Price,₩
DM.Tra701	Tray Lid, 176×108mm	4,540
DM.Tra702	, 176×162mm	5,970
DM.Tra703	, 265×162mm	8,620
DM.Tra704	, 325×176mm	9,190
DM.Tra705	Tray Lid, 325×265mm	13,230
DM.Tra706	, 353×325mm	18,050
DM.Tra707	, 530×325mm	18,260

Articles	Cat. No	Description

mediclin® Sets of 65~200mm Height Deep Tray & Handled Flat Lid, For Medical · Laboratory · Foodstuff, 1~29Lit

Stackable Structure, Stainless-steel #201, High Finished Surface & Corrosive Resistance, **스텐레스 딥트레이와 뚜껑 셋트**



(1) 65mm Deep Tray & Lid Set



(2) 100mm Deep Tray & Lid Set



(3) 150mm Deep Tray & Lid Set



(4) 200mm Deep Tray & Lid Set

■ ***Supplied by DAIHAN Korea*** ■ ***Stackable Structure.***

∗ High Polished, Smooth-Contour, Seamless. ∗ Autoclavable ∗ The Volume(Lit) Appoximately

▶ **The 150 & 200mm-Heght Trays with Lid; Useful For Storage Containner.**

〈M1〉

(1) 65mm Deep Tray & Lid Set, 1~9.5Lit

		Set.	Price, ₩
DM.Tra741S	Tray Set, SS, 176×108×h65mm, approx-1.0Lit	1set	12,710
DM.Tra743S	, 265×162×h65mm, -2.4Lit	1set	20,730
DM.Tra744S	, 325×176×h65mm, -3.3Lit	1set	22,700
DM.Tra745S	, 325×265×h65mm, -4.5Lit	1set	28,830
DM.Tra746S	, 353×325×h65mm, -6.1Lit	1set	40,750
DM.Tra747S	, 530×325×h65mm, -9.5Lit	1set	43,130

(2) 100mm Deep Tray & Lid Set, 1.6~15Lit

		Set.	Price, ₩
DM.Tra751S	Tray Set, SS, 176×108×h100mm, approx-1.6Lit	1set	15,730
DM.Tra753S	, 265×162×h100mm, -3.4Lit	1set	23,950
DM.Tra754S	, 325×176×h100mm, -4.7Lit	1set	26,190
DM.Tra755S	, 325×265×h100mm, -7.6Lit	1set	33,000
DM.Tra756S	, 353×325×h100mm, -10Lit	1set	51,070
DM.Tra757S	, 530×325×h100mm, -15Lit	1set	55,110

(3) 150mm Deep Tray & Lid Set, 3.5~23Lit

∗ Useful For Storage Container.

		Set.	Price, ₩
DM.Tra762S	Tray Set, SS, 176×162×h150mm, approx-3.5Lit	1set	24,590
DM.Tra763S	, 265×162×h150mm, -5.5Lit	1set	27,730
DM.Tra764S	, 325×176×h150mm, -7.5Lit	1set	32,700
DM.Tra766S	, 353×325×h150mm, -15Lit	1set	54,320
DM.Tra767S	, 530×325×h150mm, -23Lit	1set	55,420

(4) 200mm Deep Tray & Lid Set, 4.7~29Lit

∗ Useful For Storage Container.

		Set.	Price, ₩
DM.Tra771S	Tray Set, SS, 176×162×h200mm, approx-4.7Lit	1set	26,890
DM.Tra772S	, 325×265×h200mm, -15Lit	1set	57,210
DM.Tra773S	, 353×325×h200mm, -19Lit	1set	78,590
DM.Tra774S	, 530×325×h200mm, -29Lit	1set	83,650



All Perforated Tray

Perforated Sterilization Tray, All Perforated Stainless-steel #304, 4.4~20.1Lit

For Disinfection · Cleaning · Drying, High Quality, **소독용 천공 트레이, 전면 천공 스텐레스**

■ ***Supplied by DAIHAN Korea*** ■ ***Seamless, Smooth-contour***

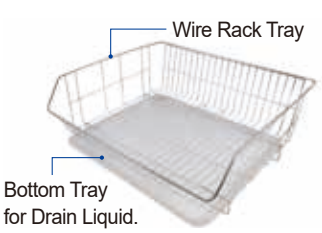
〈L3〉

(1) Normal Rectangular-type

		Ea. Price,₩
C9.1508	Tray, 321×262×h 65mm, 4.4 ℓ	29,900
C9.1509	, 321×262×h102mm, 6.9 ℓ	35,100
C9.1510	, 321×262×h153mm, 10.3 ℓ	45,500

(2) Long Rectangular-type, Stackable

		Ea. Price,₩
C9.1511	Tray, 527×324×h 65mm, 8.9 ℓ	53,300
C9.1512	, 527×324×h102mm, 13.9 ℓ	57,200
C9.1513	, 527×324×h153mm, 20.1 ℓ	61,100



Drying Rack Tray, with Detachable PP Bottom Tray for Holding of Draining Liquid, 22 Lit.

Stainless-steel Wire #304, Good for Drying and Transfer, **건조 트레이, 스텐선#304**

■ ***Supplied by DAIHAN Korea***

■ ***Useful For Kitchen Sink.***

∗ Convenient PP Bottom Tray : Sliding Detachable.

〈B3〉

		Ea.	Price, ₩
H16.061	Dry Rack Tray, SS Wire, 430×360×h180mm		27,870

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



Brain® PS Anti-static Tray, Conductive Black, 1~7Lit, 정전기 방지형 트레이

■ ***Surface Resistivity : 104~105Ω/sq*** ■ ***Made of Polystyrene. −10℃+80℃***

〈B4〉

Cat. No		Ea.	Price, ₩
B3.421C	Tray, Anti-Static, w485×d355×h45mm, approx-7.0Lit		15,120
B3.422C	, w355×d255×h45mm, -3.1Lit		13,140
B3.423C	, w280×d215×h40mm, -2.1Lit		11,760
B3.424C	, w200×d150×h40mm, -1.0Lit		8,830



(1) Height 17.5mm



(2) Height 20mm

MF White Multi-use Tray, Wide-Range, Microwaveable, Non-Autoclavable, 0.4~2.5Lit

Good for Foodstuff, −80℃+120℃, 멜라민 쟁반/트레이, 다용도 백색

■ ***Supplied by DAIHAN Korea***
■ ***우수한-내약품성 · 내열성 · 내부식성 · 표면경도 · 내충격성 · 전기절연성 · 전자레인지 적응***
■ ***MF; Melamine-Formaldehyde Thermoset Resin, Good Thermal & Chemical Stability.***

∗ Good Resistance to Abrasion · Fire · Electrical Insulation. ∗ High Surface Hardness. ∗ Non-Autoclavable

(1) 17.5mm Height Tray, 0.4~1.1Lit

〈L1〉

Cat. No		Ea.	Price, ₩
DH.Tra3001	Tray, MF, 202×132×h17.5mm, approx-0.4Lit		4,080
DH.Tra3002	, 231×157×h17.5mm, -0.6Lit		5,720
DH.Tra3003	, 277×185×h17.5mm, -0.8Lit		7,350
DH.Tra3004	, 300×218×h17.5mm, -1.1Lit		9,790

(2) 20mm Height Tray, 1.5~2.5Lit

Cat. No		Ea.	Price, ₩
DH.Tra3006	Tray, MF, 350×250×h20mm, approx-1.5Lit		13,040
DH.Tra3007	, 390×286×h20mm, -2.0Lit		15,280
DH.Tra3008	, 424×319×h20mm, -2.5Lit		18,350





Fig. (1) Tray + (2) Lid

VITLAB® MF White Tray, Microwaveable, Smooth Surface, 700~5500㎖

Easy to Clean, Non-Autoclavable, Optional PS Lid, <Germany-Made> 백색 멜라민 트레이, 전자레인지 사용가능

∗ Practical Tray for Instruments, Tools, and Sensitive Utensils.

(1) Instrument Tray Only, −80℃+120℃

〈L1〉

Cat. No		Ea. Price,₩	Cs.	Price, ₩
VI.720.98	Tray, MF, 700㎖ , 190×150×h40mm	16,930	5ea	82,040
VI.721.98	, 1000㎖, 290×160×h35mm	22,350	5ea	108,400
VI.722.98	, 2300㎖, 350×250×h40mm	43,790	5ea	212,330
VI.723.98	, 1800㎖, 290×160×h60mm	30,080	5ea	145,820
VI.724.98	, 5500㎖, 340×245×h100mm	57,020	5ea	276,430

(2) Clear Lids with Handle for Tray, PS, −10℃+70/80℃

Cat. No		Ea. Price,₩	Cs.	Price, ₩
VI.797.90	Lids, for 720.98, PS, 190×150mm	19,490	5ea	94,450
VI.798.90	, for 721.98 + 723.98, PS, 290×160mm	21,900	5ea	106,180
VI.799.90	, for 724.98, PS, 340×245mm	32,600	5ea	158,040



PP White Uni-Tray, Multi-use, 2.8~7.3Lit

White, Autoclavable, −10℃+125/140℃ Stable, PP 만능 밧트/트레이

■ ***Good for Foodstuff & Laboratory, Autoclavable & Microwaveable.***

〈L2〉

Cat. No		Ea.	Price, ₩
SL.Tra3021	"PB-1" Uni-Tray, PP, 2.8Lit, 320×230×h52mm		7,330
SL.Tra3022	"PB-2" , 4.6Lit, 373×273×h63mm		11,480
SL.Tra3023	"PB-3" , 7.3Lit, 445×325×h70mm		17,930



(1) HDPE Tray, 7 & 9 ℓ



(2) PPC Tray, 9 & 25 ℓ

National® PPC & HDPE Heavy-duty Multiuse Tray, 7~25Lit

Ideal for Laboratory & Industry, <Korea-Made> 다용도 강력 트레이

※ 운임 별도 〈L3〉

(1) HDPE Heavy-duty Tray, 7 & 9 Lit, 105/120℃

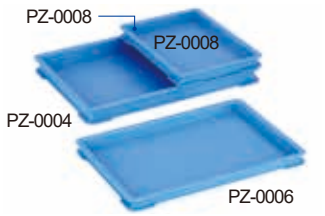
Cat. No		Ea.	Price, ₩
N2.NMP0302	Tray, Multiuse, HDPE, 7ℓ, 480×330×h70mm		6,750
N2.NMP0303	, 9ℓ, 470×320×h85mm		6,750

(2) Heat Resist PPC Heavy-duty Tray, 9 & 25 Lit, 125/140℃

∗ Made of PPC(Poly Propylene Copolyme)

Cat. No		Ea.	Price, ₩
N2.NTC115HM	Tray, Multiuse, PPC, 9ℓ , 435×327×h111mm		9,290
N2.NTC115HL	, 25ℓ, 654×435×h111mm		16,540

Articles	Cat. No	Description



PP Module Tray, 0.4~2Lit, Stackable, Autoclavable, −10℃+125/140℃
Functional Design, PP 모듈 중첩 트레이

〈L2〉

Cat. No		Ea.	Price, ₩
SL.Tra3011	"PZ-0004" Module Tray, PP, 2ℓ , 210×300×h42mm		16,290
SL.Tra3012	"PZ-0005" , 1.2ℓ, 210×300×h29mm		14,270
SL.Tra3013	"PZ-0006" , 0.9ℓ, 210×300×h22.5mm		13,030
SL.Tra3014	"PZ-0008" , 0.4ℓ, 150×210×h30mm ; Useful for Upper Tray		7,220



PP 3-Section All Perforated Tray, for Small Articles, Lightweight, White, Autoclavable, 2.5Lit
Good for Drying · Storage · Transfer, −10℃+125/140℃, PP 칸막이 트레이, 소품용

■ ***Supplied by DAIHAN Korea*** ∗ PP(Polypropylene) ; Good Chemical & Hi-Temp Resistance, Autoclavable
∗ Lightweight for Easy Handling ∗ Feeble Durability

〈B1〉

Cat. No		Ea.	Price, ₩
DH.Tra3032	Tray, PP, 3-Section, 2.5Lit, 120×300×h80mm		2,040

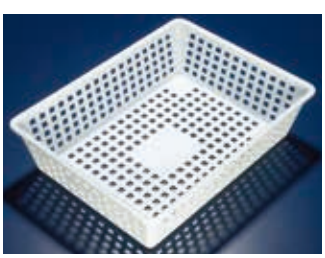


PP Draining Container/Tray, Stackable, White, Autoclavable, 5Lit
Suitable for Drying · Storage · Transfer, Lightweight, −10℃+120℃, PP 트레이

■ ***Supplied by DAIHAN Korea***
∗ PP(Polypropylene) ; Good Chemical & Hi-Temp Resistance, Autoclavable
∗ Lightweight for Easy Handling

〈L1〉

Cat. No		Ea.	Price, ₩
DH.Tra3020	Basket Tray, PP, 5Lit, 335×235×h80mm		5,740



Azlon® PP Draining Basket/Tray, Stackable, 10 Lit
For General Use, Autoclavable, −10℃+120℃, PP 바스켓/트레이

■ ***Supplied by Azlon® in UK*** ∗ Strong Lightweight Rectangular PP(Polypropylene) Basket
∗ Suitable for use as a Draining / Autoclave Basket or for General Storage
∗ Units Stack when not in use to Save Space ∗ Autoclavable to 121℃
∗ Good Chemical Resistance

〈L1〉

Cat. No		Ea.	Price, ₩
Az.TWR200	PP Basket Tray, 10Lit, 400×300×h100mm		22,780



Kartell® Chemical Resist PVC Deep Tray, with Ribbed Base, White, Wide-Range, 1.3~40.5 Lit
Ideal for Photographic Purposes, Stackable, −20℃+80℃, PVC 백색 트레이, 내산성 우수

〈L1〉

■ ***Supplied by Kartell® in Italy*** ■ ***Poly vinyl chloride ; Excellent Anti Acid***

Cat. No		Ea.	Price, ₩
KA.280	Deep Tray, PVC, 245×195×h50mm, 1.3Lit		22,230
KA.281	, 305×250×h60mm, 3Lit		29,040
KA.282	, 385×325×h75mm, 5.5Lit		45,890
KA.283	, 420×375×h85mm, 8Lit		59,180
KA.284	, 505×405×h95mm, 12.5Lit		100,870
KA.285	, 600×495×h100mm, 19.5Lit		143,830
KA.286	, 765×620×h110mm, 35.5Lit		251,450
KA.288	, 635×515×h190mm, 40.5Lit		304,690



Kartell® PVC Pipet Tray, 4 Compartments, Non-Autoclavable
For Drawer Storage and Transport, −20℃+80℃, <Italy-Made> PVC 피펫 트레이 / 랙, 책상 서랍용에 적합

∗ Use : Ideal for Drawer Storage and Transport. ∗ Made of PVC(Polyvinyl Chloride)
∗ 4 Compartments to Accommodate Pipettes of 1㎖ ~10㎖.

〈L1〉

Cat. No		Ea.	Price, ₩
KA.252	Pipet Tray, PVC, for Drawer, 300×426×h30 mm		54,630



Kartell® Deep Tray, PVC, for Pipets or Tubes, 7- or 16-Places, <Italy-Made> 피펫 트레이/랙

■ ***Made of PVC(Polyvinyl Chloride), -20℃+80℃***
∗ Horizontal Holder for Using Pipets or Tubes, Suitable for Drying Pipet Top of Tray is Width / Length Grooves
∗ Capacity : 7 Pipets/Tubes up to Φ20 mm
16 Pipets/Tubes up to Φ10 mm

〈L1〉

Cat. No		Ea. Price,₩	Pk.	Price, ₩
KA.996	Tray with Grooves, PVC, 216×283×h40 mm	31,730	6ea	184,570

※ The Price(VAT is extra) for Korean End-user, and Changeable.



Tubes

Cryogenic Tubes ..... P. 218

Disposable Capillary *New* ..... P. 854

Drying Tubes ..... P. 855

Glass Tubes ..... P. 855~860

Centrifuge ..... P. 855

Culture / Test ..... P. 856~860

Nessler ..... P. 522

NMR ..... P. 523

PCR Tubes ..... P. 553~555

Plastic Tubes ..... P. 861~869

Centrifuge / Multiuse *New* ..... P. 861~866

Culture ..... P. 867~868

Sample / Transport *New* ..... P. 868

Well Tube / Rack, 96Places *New* ..... P. 869



Articles	Cat. No	Description



Package Box

mediclin® Micro Hematocrit Capillary Tube, Blue & Heparinized-Red, 75㎕
For Blood Taking, Disposable Hi-Quality Glass, Φ1.55×L75mm, **일회용 Micro 헤마토크리트 튜브**

■ ***Supplied by DAIHAN Korea*** ■ ***Made of High Grade Quality Glass in Compliance with DIN ISO 12772***
■ ***혈액 중 적혈구의 비중을 측정하기 위해 헤마토크리트 검사에 사용, 원심분리기를 사용하여 혈액 성분 분리***
■ ***Color Coded : (1) Blue "Non-Heparinized" (2) Red "Heparinized"***
∗ ID: 1.1~1.2mm, OD : 1.5~1.6mm

〈M1〉

(1) Blue Coded : Non-Heparinized, 75㎕

		Pk.	Price, ₩	Cs.	Price, ₩
DM.Tub2001	Capillary Tube, without Sodium Heparine, Blue, 75㎕	100ea	2,450	10pk	22,630

(2) Red Coded : Heparinized, 75㎕, 헤파린 처리

■ ***헤파린(항응고제) 처리된 튜브는 혈액이 응고되는 것을 방지***
■ ***채혈과 헤마토크리트 검사 수행 사이 지연이 예상되는 경우 특히 유용***
∗ Useful when a Delay between Blood Sampling and Hematocrit Test is Expected.
∗ Heparinized Tubes Prevent Blood from Clotting.

		Pk.	Price, ₩	Cs.	Price, ₩
DM.Tub2002	Capillary Tube, with Sodium Heparine, Red, 75㎕	100ea	2,690	10pk	24,850



Heinz® Premium MicroHematocrit Capillary Tube, Disposable Glass, Blue & Red-hepa, 75㎕
For Blood Taking, Φ1.55×L75mm, **일회용 Micro 헤마토크리트 튜브**

■ ***Supplied by Heinz Herenz® in Germany***
■ ***혈액 중 적혈구의 비중을 확인하는 헤마토크리트 검사에 사용되며, 원심분리기와 함께 사용***
■ ***Color Coded : (1) Blue "Non-Heparinized" (2) Red "Heparinized"***
∗ 100pcs/Vial Pk., 10Pk./Cs.

〈L1〉

(1) Blue Coded : Non-Heparinized, 75㎕

		Pk.	Price, ₩	Cs.	Price, ₩
HH.1080801	Micropipet, 75㎕, Capill., Blue	100ea	7,150	10pk	66,130

(2) Red Coded : Heparinized, 75㎕

∗ 헤파린 처리된 튜브는 혈액이 응고되는 것을 방지
∗ Heparinized Tubes Prevent Blood from Clotting.

		Pk.	Price, ₩	Cs.	Price, ₩
HH.1080802	Micropipet, Heparin, 75㎕, Capill., Red	100ea	7,150	10pk	66,130

(3) Sealing Waxplate

∗ For Hematocrit Tubes, 2pcs/Bag Pk.

		Ea.	Price, ₩	Pk.	Price, ₩
HH.1131821	Sealing Waxplate		7,950	2ea	15,430



"witeg" Melting Point Capillary Tube, Glass, OD 2.5×L80mm(id approx 2.1)
Use a Powdered Sample, 2-Type of (1) Both Ends Open & (2) One End Closed, **융점 측정 모세관**

■ ***Supplied by "witeg" in Germany***
∗ Excellent for Melting Point Determinations.
∗ Length 80mm×Outside diameter 2.5 mm, Packed 100 pcs.
∗ Use a Powdered Sample ∗ Automatic or Manual Measurement
∗ 100 pcs/vial pack

〈L1〉

		Pk.	Price, ₩
WI.2700000	(1) Melting Point Tube, od 2.5×L80 mm, Both Ends Open	100ea	22,900
WI.2702000	(2) , One End Closed	100ea	32,180

, Drying 건조관



Kartell® PE Drying Tube, "Safety-type", with 2 End Taper Connected Tube
Ideal for Drying Gases and Line Installation, −40℃+80/90℃, <Italy-Made> PE **건조관**

〈L1〉

		Ea.	Price, ₩
KA.446	PE Drying Tube, Φ20×Length 170 mm, Tapered od 8~10 mm		4,790
KA.447	, Φ20×Length 220 mm, Tapered od 8~10 mm		5,240
KA.448	, Φ20×Length 270 mm, Tapered od 8~10 mm		6,040



SciLab® Joint Drying Tube, Boro-glass 3.3

■ ***Supplied by SciLab Korea***

〈L1〉

(1) 75°Angle-type

		Ea. Price,₩
SL.Tub2004	Dry Tube, 75°, 14/23	20,770
SL.Tub2005	, 24/40	24,430
SL.Tub2006	, 24/29	24,640

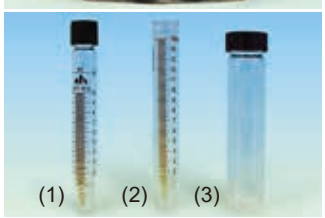
(2) U-type

		Ea. Price,₩
SL.Tub2007	Dry Tube, U, 14/23	45,440
SL.Tub2008	, 24/40	50,250
SL.Tub2009	, 24/29	50,250

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description





SciLab® 12~40㎖ Screwcap Centrifuge Tube, with Amber Graduation(Conical-type)
With or Without Teflon Line Screwcap, Boro Glass 3.3, 글라스 원심관

■ ***Supplied by SciLab Korea***

∗ The Screwcap with Teflon Liner ∗ Amber stain fine-graduation : 0.1㎖ Division

〈L1〉

Conical Bottom Centrifuge Tube, with Amber Graduation

		Pk.	Price, ₩	Cs.	Price, ₩
SL.Tub2021	(1) Tube, Centri., with Teflon Lined Screwcap, Φ16.4×L120 mm, 12㎖	5ea	44,550	4pk	165,000
SL.Tub2022	, Φ16.4×L135 mm, 15㎖	5ea	45,570	4pk	168,750
SL.Tub2023	(2) , without Cap, w/ Rim, Φ16.4×L120 mm, 15㎖	5ea	28,150	4pk	104,250

Round Bottom Centrifuge Tube, with Teflon Lined Screwcap

		Pk.	Price, ₩	Cs.	Price, ₩
SL.Tub2025	(3) Tube, Centri., Φ24×L110 mm, 30㎖	5ea	51,050	4pk	189,050
SL.Tub2026	, Φ28×L110 mm, 40㎖	5ea	61,740	4pk	228,620

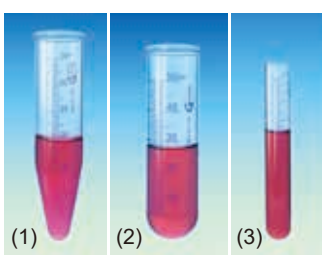


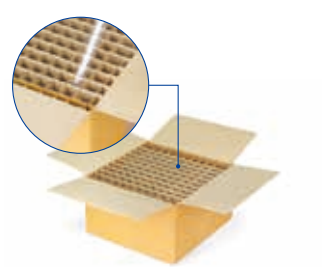
15 & 30㎖ High Speed Centrifuge Tube, Round Bottom, with PP Screwcap & PTFE Liner, 5,000rpm
Made of Boro-glass 3.3, without Graduation, Autoclavable, 스크류캡부 글라스 원심관

※ **Note! When Autoclaving, Loosen Off the PP Screwcap!!**

〈L1〉

		Pk.	Price, ₩
GL.082.210.05	Tube, Centri., with Cap, 15㎖, Φ18×h102mm, Screw 20-400	10ea	32,850
GL.082.210.07	, 30㎖, Φ24×h106mm, Screw 20-400	10ea	33,240





50 or 100 Well Convenient Box

Blue Graduated Centrifuge Tube, Conical- or Round-Bottom, 5~100㎖
With Precise Scale, Boro-glass 3.3, 글라스 원심관

〈L1〉

(1) Conical Bottom Centrifuge Tube, with Beaded Rim

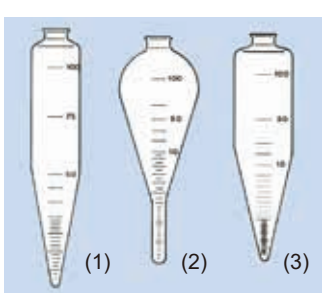
		Ea.	Price, ₩	Pk.	Price, ₩
GL.088.202.01	Tube, Centri., 5 / 0.2 ㎖ , Φ13×h100mm	2,150		100ea	196,270
GL.088.202.02	, 10 / 0.2 ㎖, Φ15×h110mm	2,300		100ea	209,070
GL.088.202.03	, 15 / 0.2 ㎖, Φ17×h120mm	2,620		100ea	238,920
GL.088.202.04	, 25 / 0.5 ㎖, Φ22×h125mm	4,880		100ea	447,930
GL.088.202.05	, 50 / 1.0 ㎖, Φ28×h125mm	6,270		50ea	288,000

(2) Round Bottom Centrifuge Tube, with Beaded Rim

		Ea.	Price, ₩	Pk.	Price, ₩
GL.094.202.01	Tube, Centri., 12 / 0.2 ㎖ , Φ16×h110mm	3,420		100ea	281,590
GL.094.202.02	, 30 / 1.0 ㎖ , Φ24×h110mm	4,240		100ea	349,800
GL.094.202.03	, 40 / 1.0 ㎖ , Φ28×h110mm	4,920		50ea	202,630
GL.094.202.04	, 50 / 1.0 ㎖ , Φ30×h110mm	5,150		50ea	213,330
GL.094.202.05	, 100 / 2.0 ㎖, Φ45×h110mm	7,420		50ea	307,170

(3) Eco 10 & 15㎖ Round Bottom form, Straight Rim, Boro-Glass 7.0

		Pk.	Price, ₩	Cs.	Price, ₩
GL.20094.401	Tube, Centri., 10 / 0.1 ㎖ , Φ16×h100mm	100ea	37,240	10pk	344,780
GL.20094.401A	, 15 / 0.1 ㎖ , Φ17×h100mm	100ea	37,240	10pk	344,780



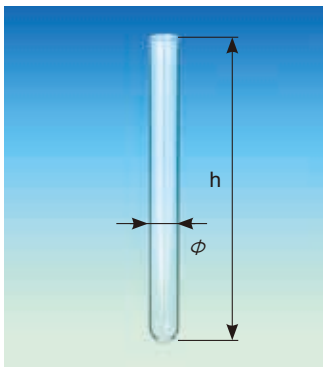
"witeg" Premium ASTM Oil Centrifuge Tube, with Standard Graduation, 100㎖
ASTM Standards Graduation : D91, D96, D96.6, D96.8, ASTM 표준 Oil 원심관

〈L1〉

■ ***Made in Germany*** ∗ DURAN® Borosilicate α 3.3

		Ea.	Price, ₩
WI.4955010	(1) Tube, Centri., Cylindrical type, with Conical Bottom, 100㎖ ASTM D91/D96.8, Tube od Φ36/37 mm		61,680
WI.4956010	(2) , Pear type, with Cylindrical Bottom, 100㎖ ASTM D96, Tube od Φ58 mm(max.)		76,550
WI.4957010	(3) , Cylindrical type, with Conical Bottom, 100㎖ ASTM D96.6, Tube od Φ44/45 mm		58,850

Articles	Cat. No	Description



DAIHAN® Glass Culture/Test Tube, with Straight Rim, Made of Neutral Glass, 3~100㎖
With Straight Rim for Culture Caps, Autoclavable, <Korea-Made> **글라스 시험관, 보급형**

■ Tubes feature smooth, well-rounded bottoms with no irregularities and economical.

∗ Tube Thickness ; ① 1mm of Tube Φ10~22mm, ② 2mm of Tube Φ24mm Over ∗ Unit ; mm

〈L2〉

(1) Clinical/General Purpose

		dh Pk.	Price,₩	Cs.	Price, ₩
DH.Tub2.10075	Tube, 3㎖ , Φ10×h75 mm	50ea	5,270	15dh Pk.	65,800
DH.Tub2.10100	, 4㎖ , Φ10×h100 mm	50ea	5,270	12dh Pk.	52,640
DH.Tub2.13075	, 5㎖ , Φ13×h75 mm	50ea	5,270	6dh Pk.	26,320
DH.Tub2.13100	, 8㎖ , Φ13×h100 mm	50ea	5,270	6dh Pk.	26,320
DH.Tub2.13120	, 10㎖, Φ13×h120 mm	50ea	6,320	6dh Pk.	31,590

(2) Culture/General Purpose

		Bulk	Price, ₩
DH.Tub2.15100	Tube, 10㎖ , Φ15×h100 mm	250ea	29,470
DH.Tub2.15125	, 12㎖ , Φ15×h125 mm	200ea	25,740
DH.Tub2.16100	, 12㎖ , Φ16×h100 mm	200ea	25,740
DH.Tub2.15150	, 15㎖ , Φ15×h150 mm	100ea	12,880
DH.Tub2.16125	, 15㎖ , Φ16×h125 mm	250ea	37,170
DH.Tub2.16150	, 20㎖ , Φ16×h150 mm	100ea	16,870
DH.Tub2.18150	, 25㎖ , Φ18×h150 mm	100ea	16,870
DH.Tub2.18180	, 30㎖ , Φ18×h180 mm	100ea	18,850
DH.Tub2.20150	, 30㎖ , Φ20×h150 mm	100ea	23,570
DH.Tub2.22150	, 40㎖ , Φ22×h150 mm	100ea	24,840
DH.Tub2.24150	, 45㎖ , Φ24×h150 mm	100ea	30,820
DH.Tub2.22200	, 50㎖ , Φ22×h200 mm	100ea	26,830
DH.Tub2.24200	, 65㎖ , Φ24×h200 mm	100ea	36,250
DH.Tub2.30150	, 75㎖ , Φ30×h150 mm	50ea	29,920
DH.Tub2.30200	, 100㎖, Φ30×h200 mm	50ea	31,730





Shrink-Wrapped Packing Box

SciLab® Disposable Classic Culture/Test Tube, With Straight Rim, 4~56㎖
Boro Glass 7.0, **보로글라스 시험관, 일회용**

■ 일회용 글라스 시험관으로 재사용이 어렵고 처리량이 많은 실험에 매우 경제적

∗ Boro Glass 7.0 ∗ Ideal for Maximum Heat Transfer and Chemical Resistance
∗ Shrink-Wrapped Packing Box

〈L1〉

(1) Clinical/General Purpose

		Pk.	Price, ₩	Cs.	Price, ₩
SL.Tub1022	Tube, Test, Boro 7.0 Glass, Φ12×h75mm , approx. 4㎖	100ea	4,540	10pk	41,970
SL.Tub1023	, Φ12×h100mm, approx. 5㎖	100ea	5,350	10pk	49,520
SL.Tub1024	, Φ13×h100mm, approx. 7㎖	100ea	6,550	10pk	60,520

(2) Culture/General Purpose

		Pk.	Price, ₩	Cs.	Price, ₩
SL.Tub1025	Tube, Test, Boro 7.0 Glass, Φ15×h100mm, approx. 10㎖	100ea	7,360	10pk	68,080
SL.Tub1026	, Φ15×h150mm, approx. 13㎖	100ea	10,630	10pk	98,340
SL.Tub1027	, Φ16×h100mm, approx. 11㎖	100ea	8,180	10pk	75,640
SL.Tub1029	, Φ16×h160mm, approx. 17㎖	100ea	11,450	10pk	105,900
SL.Tub1030	, Φ18×h150mm, approx. 20㎖	100ea	18,800	6pk	104,390
SL.Tub1031	, Φ18×h180mm, approx. 23㎖	100ea	19,620	6pk	108,930
SL.Tub1032	, Φ20×h125mm, approx. 22㎖	50ea	10,220	6pk	56,740
SL.Tub1033	, Φ20×h150mm, approx. 25㎖	50ea	11,040	6pk	61,280
SL.Tub1034	, Φ25×h200mm, approx. 56㎖	50ea	17,160	6pk	95,320

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



Ⅰ. Round-Bottom Ⅱ. Flat-Bottom

Classic Culture/Test Tube, Boro-glass 3.3, with Straight Rim, 3~56㎖

Ideal for Culture Caps, Uniform Wall Thickness, **보로글라스 시험관, 기본형**

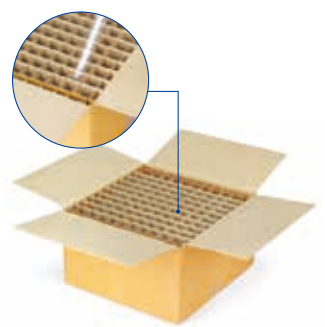
∗Autoclavable ∗Borosilicate Glass 3.3 ∗Ideal for Maximum Heat Transfer and Chemical Resistance

Ⅰ. SciLab® With Round Bottom, 3~56㎖ NEW

■ ***Shrink-Wrapped Packing Box***



Ⅰ. Shrink-Wrapped Packing Box



Ⅱ. 100 Well Convenient Box

〈L1〉

(1) Clinical/General Purpose

		Pk.	Price, ₩	Cs.	Price, ₩
SL.Tub1001	Tube, Test, Boro 3.3 Glass, Φ10×h75mm , approx. 3㎖	100ea	7,590	10pk	70,150
SL.Tub1002	, Φ12×h75mm , approx. 4㎖	100ea	7,770	10pk	71,850
SL.Tub1003	, Φ12×h100mm, approx. 5㎖	100ea	9,820	10pk	90,780
SL.Tub1004	, Φ13×h100mm, approx. 7㎖	100ea	10,630	10pk	98,340

(2) Culture/General Purpose

		Pk.	Price, ₩	Cs.	Price, ₩
SL.Tub1005	Tube, Test, Boro 3.3 Glass, Φ15×h100mm, approx. 10㎖	100ea	17,370	10pk	160,770
SL.Tub1006	, Φ15×h150mm, approx. 13㎖	100ea	17,990	10pk	166,420
SL.Tub1007	, Φ16×h100mm, approx. 11㎖	100ea	14,520	10pk	134,440
SL.Tub1008	, Φ16×h150mm, approx. 16㎖	100ea	19,580	10pk	181,190
SL.Tub1009	, Φ16×h160mm, approx. 17㎖	100ea	20,210	10pk	187,050
SL.Tub1010	, Φ18×h150mm, approx. 20㎖	100ea	23,370	6pk	129,800
SL.Tub1011	, Φ18×h180mm, approx. 23㎖	100ea	23,620	6pk	131,210
SL.Tub1012	, Φ20×h125mm, approx. 22㎖	50ea	12,260	6pk	68,080
SL.Tub1013	, Φ20×h150mm, approx. 25㎖	50ea	13,480	6pk	74,890
SL.Tub1014	, Φ25×h200mm, approx. 56㎖	50ea	20,430	6pk	113,450

Ⅱ. With Flat Bottom, Short-form, 5~26㎖

■ ***Packed in 100well Convenient Box.***

(1) Clinical/General Purpose

		Pk.	Price, ₩
GL.093.202.02	Tube, w/Flat Bottom, Φ12×h75mm , approx. 5㎖	100ea	30,040
GL.093.202.03A	, Φ13×h110mm, approx. 10㎖	100ea	57,130

(2) Culture/General Purpose

		Pk.	Price, ₩
GL.093.502.07	Tube, w/Flat Bottom, Φ18×h100mm, approx. 18㎖	100ea	70,550
GL.093.202.06A	, Φ18×h138mm, approx. 22㎖	100ea	64,300
GL.093.202.06B	, Φ18×h150mm, approx. 26㎖	100ea	73,820



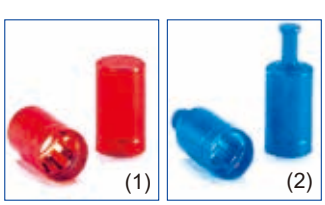
SciLab® Graduated Test Tube, Boro-glass 3.3, with Straight Rim, 5~50㎖

Ideal for Culture Caps, Autoclavable, **눈금부 글라스 시험관**

■ ***Supplied by SciLab Korea***

〈L1〉

		dh pk.	Price, ₩	Cs.	Price, ₩
SL.Tub2253	Tube, Φ11×h110mm, 5 / 0.1㎖	10ea	13,320	100ea	111,000
SL.Tub2254	, Φ14×h130mm, 10 / 0.2㎖	10ea	15,230	100ea	126,920
SL.Tub2255	, Φ15×h150mm, 15 / 0.2㎖	10ea	17,490	100ea	145,750
SL.Tub2256	, Φ17×h165mm, 20 / 0.5㎖	10ea	21,300	100ea	177,500
SL.Tub2257	, Φ18×h180mm, 25 / 0.5㎖	10ea	23,580	100ea	196,500
SL.Tub2258	, Φ19×h180mm, 30 / 0.5㎖	10ea	25,100	100ea	209,170
SL.Tub2259	, Φ23×h200mm, 50 / 1㎖	10ea	28,140	50ea	117,250



(1) (2)



(3)

Culture Tube Cap, for OD Φ12~39mm Neck, **컬처 튜브용 캡**

〈L1〉

(1) "witeg" LaboCap® Standard-types Aluminum Cap

		Ea.	Price, ₩	Pk.	Price, ₩
WI.0175504	Cap, Labocap®, for Neck-od Φ15~16mm		3,080	10ea	29,780
WI.0175506	-od Φ17~18mm		2,820	10ea	27,120
WI.0175507	-od Φ19~20mm		3,330	10ea	32,130
WI.0175508	-od Φ21~23mm		6,050	10ea	58,540
WI.0175509	-od Φ24~26mm		6,780	10ea	65,570
WI.0175510	-od Φ28~30mm		7,740	10ea	74,940
WI.0175514	-od Φ37~39mm		13,450	10ea	130,450

(2) "witeg" LaboCap® Gripped-types Aluminum Cap

		Ea.	Price, ₩	Pk.	Price, ₩
WI.0175603	Cap, Labocap®, for Neck-od Φ15~16mm		3,740	10ea	36,150
WI.0175604	-od Φ17~18mm		3,980	10ea	38,480

(3) PP Caps with Internal Rib, Supplied by SciLab Korea

		Pk.	Price, ₩
SL.Cap3001	Cap, PP, for Culture Tube-od Φ12/13mm	100ea	23,870
SL.Cap3002	-od Φ15/16mm	100ea	23,870
SL.Cap3003	-od Φ18mm	100ea	27,850
SL.Cap3004	-od Φ20mm	100ea	35,780
SL.Cap3005	-od Φ24/25mm	100ea	40,820

Articles	Cat. No	Description



(1) Graduated



(2) Plain

Glass Joint Stoppered Test Tube, with/without Graduation, Φ12~Φ38mm, 5~110㎖

With DIN Joint Stopper, Boro-glass 3.3, Anti-Chemical/-Temp, **조인트 스토퍼 시험관**

〈L1〉

(1) With Fine Graduation, od Φ12~Φ38mm, 5~110㎖

		Ea. Price,₩	Pk.	Price,₩
GL.095.202.01	Tube, w/Glass Stopper, Gradu., 5 / 0.2㎖ , Φ12×L100, 1.0^{t}mm, 10/19	6,200	100ea	571,090
GL.095.202.02	, 10 / 0.5㎖, Φ16×L125, 1.0^{t}mm, 12/21	6,530	100ea	599,870
GL.095.202.03	, 25 / 1㎖ , Φ22×L150, 1.0^{t}mm, 19/26	8,020	100ea	739,070
GL.095.202.04A	, 40 / 1㎖ , Φ25×L150, 1.4^{t}mm, 19/26	8,970	100ea	828,320
GL.095.202.04	, 50 / 1㎖ , Φ25×L200, 1.0^{t}mm, 19/26	9,690	100ea	892,630
GL.095.202.06	, 90 / 1㎖ , Φ32×L200, 1.4^{t}mm, 24/29	12,040	50ea	557,030
GL.095.202.07	, 110 / 1㎖ , Φ38×L200, 1.4^{t}mm, 24/29	13,920	50ea	643,650

(2) Without Graduation, od Φ12~Φ38mm, 5~110㎖ (approx.)

		Ea. Price,₩	Pk.	Price,₩
GL.096.202.01	Tube, w/Glass Stopper, 5㎖ , Φ12×L100, 1.0^{t}mm, 10/19	5,070	100ea	465,530
GL.096.202.02	, 10㎖ , Φ15×L125, 1.2^{t}mm, 12/21	5,490	100ea	503,930
GL.096.202.03	, 25㎖ , Φ18×L150, 1.2^{t}mm, 14/23	6,000	100ea	551,920
GL.096.202.04	, 40㎖ , Φ25×L150, 1.2^{t}mm, 19/26	7,280	100ea	671,890
GL.096.202.05	, 50㎖ , Φ25×L200, 1.2^{t}mm, 19/26	8,690	100ea	801,440
GL.096.202.06	, 90㎖ , Φ32×L200, 1.4^{t}mm, 24/29	11,750	50ea	528,720
GL.096.202.07	, 110㎖, Φ38×L200, 1.4^{t}mm, 24/29	13,250	50ea	612,950

SciLab® Premium DIN GL-screwcap Tube, Boro-glass 3.3, Excellent for Multi Function, 11~280㎖

With PTFE/Butylrubber Septa (3mm-thick) Sealed Uni-PP Cap, DIN GL14~45, **프리미엄 스크류캡 시험관**



Figure of Tube Package"SL.Tub2085"

■ ***Designed for the Ultimate Product Safety ! : by SciLab Korea.***

■ ***Superior Function Tubes :***

- ***Heavy-duty / Chemical Resistant Boro-glass 3.3 & Thick-Wall 1.2~2.3mm.***
- ***Functional Uni-Green PP(Polypropylene ; 125/140℃ Stable) DIN GL Screwcap with 3mm-thick Sealing Septa of 0.3mm PTFE / 2.7mm Butylrubber.***
- ***The DIN GL Screwcaps : Universal Fit- for All DIN GL14~GL45 Screw Necks of Bottles / Flasks / Tubes / Vessels.***

∗ Excellent Durability & Chemical · Corrosion · Heat-Resistance ∗ Autoclavable.

▶ The Tube Bottle, Uni-Green Capped ; Ideal for DNA Hybridization & Strorage, Φ40mm, 90~280㎖

※ **Note! When Autoclaving, Loosen Off the PP Screwcap!!**



(1) with Uni-PP Cap



(2) Tube Bottle

〈L1〉

(1) Functional GL Screwcap Tube, DIN GL14~ GL32, 11㎖~250㎖

		Ea. Price,₩	Pk.	Price,₩
SL.Tub2081	Cap GL14, 11㎖ , Φ16×h100×t.1.2mm	2,970	10ea	28,740
SL.Tub2082	, 14㎖ , Φ16×h125×t.1.2mm	2,930	10ea	28,380
SL.Tub2083	, 18㎖ , Φ16×h150×t.1.2mm	2,970	10ea	28,740
SL.Tub2084	Cap GL18, 25㎖ , Φ18×h150×t.1.2mm	3,520	10ea	34,080
SL.Tub2085	, 30㎖ , Φ18×h180×t.1.2mm	3,600	10ea	34,930
SL.Tub2086	, 32㎖ , Φ20×h150×t.1.2mm	3,620	10ea	35,050
SL.Tub2087	, 40㎖ , Φ20×h180×t.1.2mm	3,700	10ea	35,900
SL.Tub2051	Cap GL25, 50㎖ , Φ26×h150×t.1.4mm	5,700	5ea	27,650
SL.Tub2052	, 72㎖ , Φ26×h200×t.1.4mm	5,990	5ea	29,050
SL.Tub2053	, 100㎖, Φ30×h200×t.1.4mm	7,850	5ea	38,080
SL.Tub2054	, 130㎖, Φ30×h250×t.1.4mm	8,150	5ea	39,540
SL.Tub2055	Cap GL32, 100㎖, Φ38×h150×t.2mm	16,240	4ea	63,020
SL.Tub2056	, 150㎖, Φ38×h200×t.2mm	16,780	4ea	65,090
SL.Tub2057	, 200㎖, Φ38×h250×t.2mm	17,190	4ea	66,690
SL.Tub2058	, 250㎖, Φ38×h300×t.2mm	17,830	4ea	69,170

(2) Tube Bottle, GL45, Φ40, Ideal for DNA Hybridization & Storage, 90㎖~280㎖

		Ea. Price,₩	Pk.	Price,₩
SL.Bot2050.1	Cap GL45, 90㎖ , Φ40×h100×t.2.3mm	21,950	10ea	212,920
SL.Bot2050.2	, 140㎖, Φ40×h150×t.2.3mm	22,490	10ea	218,130
SL.Bot2050.3	, 190㎖, Φ40×h200×t.2.3mm	23,220	10ea	225,170
SL.Bot2050.4	, 240㎖, Φ40×h250×t.2.3mm	26,320	10ea	255,240
SL.Bot2050.5	, 280㎖, Φ40×h300×t.2.3mm	28,670	10ea	278,030

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description

Wisd™ PTFE/Butyl-Septa Sealed DIN PP/GL Universal Green Cap, For All DIN/GL-Screw Neck of Bottle · Flask · Tube · Vessel · Vial

Good Chemical & Heat-Resistance, 125/140℃ Stable, Autoclavable, DIN, GL14~GL45, **만능 GL 스크류캡, 테프론/부틸셉타포함**



(1) PP Universal Cap, Septa Attached



(2) PTFE/Butyl Septa

■ Made in Korea ***■ 모든 GL/DIN Screw Neck 용기와 호환*** ***■ Chemical Stable PP / PTFE / Butylrubber***

∗ Excellent Septa 3mm-thick for Chemical Resistance to PTFE(t.0.3mm) with the Perfect Sealing of Butylrubber(t.2.7mm).

〈L1〉

(1) PP Green, Universal-Cap & PTFE/Butylrubber Septa(Attached) Set

		Pk.	Price, ₩
DH.Cap3101	PP Uni-Cap & PTFE/Butyl Septa Set, GL14, Φ18.2×h17 mm	10ea	14,890
DH.Cap3102	, GL18, Φ21.7×h20 mm	10ea	15,620
DH.Cap3103	, GL25, Φ30.0×h23 mm	10ea	20,340
DH.Cap3104	, GL32, Φ37.6×h26 mm	10ea	27,580
DH.Cap3105	, GL45, Φ51.5×h28 mm	10ea	45,550

(2) Spare PTFE/Butylrubber Septa(Thick-3mm) Only

		Pk.	Price, ₩
DH.Sep6206	PTFE/Butyl Septa, for Uni-& Open-Cap, GL14, Φ13×t.3mm	10ea	8,190
DH.Sep6207	, GL18, Φ16×t.3mm	10ea	8,740
DH.Sep6208	, GL25, Φ23×t.3mm	10ea	13,030
DH.Sep6209	, GL32, Φ30×t.3mm	10ea	19,290
DH.Sep6210	, GL45, Φ42×t.3mm	10ea	36,020

Wisd™ Piercing PP DIN/GL Opentop Screwcap and Septa of PTFE/Butylrubber & Silicone, DIN, GL14~GL45

For All DIN/GL-screw Necks of Bottle · Flask · Tube · Vessel, 125/140℃ Stable, 121℃ Autoclavable, **피어싱 오픈탑 캡 & 셉타**



(1) Opentop Cap Only



(2) PTFE/Butyl Septa Only



(3) Silicone Septa Only

■ Made in Korea ***■ Made of Chemical Stable Polypropylene / PTFE / Butylrubber***

∗ Excellent Septa Thick-3mm for Chemical Resistance to PTFE(t.0.3mm) with the Perfect Sealing of Butylrubber(t.2.7mm)

∗ Excellent for Multiple Piercing Application with Syringe Needle.

〈L1〉

(1) PP DIN/GL Opentop Cap Only, DIN GL14~GL45

		Pk.	Price, ₩
DH.Cap3121	Open-Cap Only, PP, GL14, Bore-9 mm , Φ18.2×h17mm	10ea	3,500
DH.Cap3122	, GL18, -11 mm, Φ21.7×h20mm	10ea	3,680
DH.Cap3123	, GL25, -15 mm, Φ30.0×h23mm	10ea	4,120
DH.Cap3124	, GL32, -20 mm, Φ37.6×h26mm	10ea	5,100
DH.Cap3125	, GL45, -33 mm, Φ51.5×h28mm	10ea	6,340

(2) Piercing PTFE/Butylrubber Septa Only, Thick-3mm, for DIN GL14~GL45, Φ13~42mm

		Pk.	Price, ₩
DH.Sep6206	PTFE/Butyl Septa, for Open & Uni-Caps, for-GL14, Φ13×t.3mm	10ea	8,190
DH.Sep6207	-GL18, Φ16×t.3mm	10ea	8,740
DH.Sep6208	-GL25, Φ23×t.3mm	10ea	13,030
DH.Sep6209	-GL32, Φ30×t.3mm	10ea	19,290
DH.Sep6210	-GL45, Φ42×t.3mm	10ea	36,020

(3) Piercing Pure SILICONE Septa Only, Thick-3mm, for DIN GL14~GL45, Φ13~42mm

		Pk.	Price, ₩
SL.Sep6201	Silicone Septa, for Open-Cap, for-GL14, Φ13×t.2.5mm	10ea	6,190
SL.Sep6202	-GL18, Φ16×t.2.5mm	10ea	6,190
SL.Sep6203	-GL25, Φ23×t.2.5mm	10ea	8,740
SL.Sep6204	-GL32, Φ30×t.2.5mm	10ea	11,650
SL.Sep6205	-GL45, Φ42×t.3mm	10ea	13,720

Articles	Cat. No	Description



(1) Clear



(2) Amber

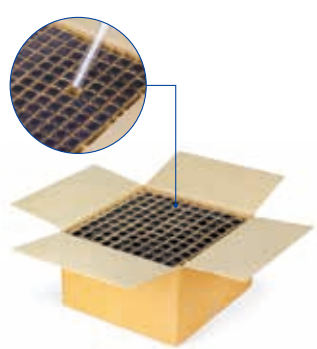


Spare Phenolic & PP Screwcap

※ The GL-Screw Cap ;
Non-DIN Standard Size!



(1) Shrink-Wrapped Packing Box



(2) 100 Well Convenient Box

Screwcap Culture/Test Tube, with Phenolic or PP Cap, od Φ12~38mm, 4~150㎖
Made of Boro-glass 3.3, Clear & Amber, Autoclavable, **스크류캡 컬쳐 튜브, 기본형**

※ **Note! When Autoclaving, Loosen Off the PP Screwcap!!**

(1) SciLab® Clear Culture/Test Tubes, with Phenolic Cap, 4~60㎖ NEW

■ ***Shrink-Wrapped Packing Box***
∗ With Phenolic Screwcap / Silicone Liner

〈L1〉

		Pk.	Price, ₩
SL.Tub2301	**Tube**, 4㎖ , Φ12×h75 ×thick 0.8mm, GL13	100ea	37,130
SL.Tub2302	, 5㎖ , Φ12×h100× 〃 , GL13	100ea	40,380
SL.Tub2305	, 17㎖, Φ15×h150×thick 1.0mm, GL16	100ea	53,290
SL.Tub2306	, 10㎖, Φ16×h100× 〃 , GL16	100ea	50,040
SL.Tub2308	, 20㎖, Φ16×h160× 〃 , GL16	100ea	54,100
SL.Tub2309	, 25㎖, Φ18×h150× 〃 , GL18	50ea	35,920
SL.Tub2310	, 30㎖, Φ18×h180× 〃 , GL18	50ea	40,750
SL.Tub2311	, 30㎖, Φ20×h125× 〃 , GL18	50ea	40,750
SL.Tub2312	, 50㎖, Φ20×h150× 〃 , GL18	50ea	41,570
SL.Tub2313	, 60㎖, Φ25×h200× 〃 , GL24	50ea	72,250
SL.Cap3041	**Spare Cap**, Phenolic GL13, for GL13 Tubes	100ea	15,640
SL.Cap3042	, Phenolic GL16, for GL13 Tubes	100ea	17,200
SL.Cap3043	, Phenolic GL18, for GL13 Tubes	50ea	9,380
SL.Cap3044	, Phenolic GL24, for GL13 Tubes	50ea	13,690

(2) Amber Culture/Test Tubes, with PP Cap, 5~150㎖

■ ***Packed in 100well Convenient Box.***
∗ PP Screw-Cap With PTFE Disk Liner

		dh pk.	Price,₩	Cs.	Price, ₩
GL.082.279.05	**Tube**, 5㎖ , Φ16×h75 ×thick 1.0mm, GL15	10ea	19,110	100ea	176,800
GL.082.279.05A	, 10㎖ , Φ16×h125× 〃 , GL15	10ea	21,830	100ea	202,050
GL.082.279.10	, 30㎖ , Φ25×h100× 〃 , GL22	10ea	30,010	100ea	277,760
GL.082.279.10A	, 60㎖ , Φ25×h200× 〃 , GL22	10ea	49,120	100ea	454,650
GL.082.279.13	, 150㎖, Φ38×h200×thick 1.4mm, GL35	5ea	27,300	50ea	252,580
SL.Cap3032	**Spare Cap**, PP, GL15, for GL15 Tubes	10ea	10,780	100ea	99,700
SL.Cap3035	, GL22, for GL22 Tubes	10ea	13,280	100ea	122,680
SL.Cap3036	, GL35, for GL35 Tubes	10ea	20,190	100ea	186,800



Vacuum Tube Adapter, with Side Stem Stopcock for Low~Middle Vacuum, 스탑콕 시험관

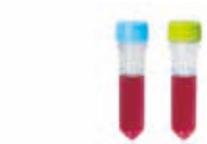
∗ Made of Boro-glass 3.3 ; by SciLab®
∗ Plug Bore 2.5mm.

〈L1〉

	(1) with Glass-plug Stopcock		(2) with PTFE-plug Stopcock	
Tube Adapter Size	**Cat. No.**	**Ea. Price, ₩**	**Cat. No.**	**Ea. Price, ₩**
Vacuum Tube Adapter, 14/23, 10㎖ , Φ16×h100	**SL.Tub2110**	42,750	**SL.Tub2110P**	48,250
, 19/26, 25㎖ , Φ22×h150	**SL.Tub2111**	42,570	**SL.Tub2111P**	48,070
, 24/40, 50㎖ , Φ26×h160	**SL.Tub2112**	46,170	**SL.Tub2112P**	51,670
, 24/29, 50㎖ , Φ26×h160	**SL.Tub2113**	46,280	**SL.Tub2113P**	51,780
, 24/40, 100㎖, Φ30×h200	**SL.Tub2114**	47,780	**SL.Tub2114P**	53,280
, 24/29, 100㎖, Φ30×h200	**SL.Tub2115**	51,630	**SL.Tub2115P**	57,130

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



(1) Conical



(2) Self-stand



(3) Amber, Conical & Self-stand

SciLab® 2㎖ Sterile Multiuse Screwcap Tube, PP, Conical Bottom & Self-standing
With Silicone O-ring Sealed Screwcap, Autoclavable, <Korea-Made> 멸균 다용도 스크류캡 튜브

* Made of Polypropylene, −196℃(in Vapor-phase LN_2)+125/140℃
* DNase-/RNase-free, Irradiation Sterilization * Good Finished
* Polypropylene Micro Tubes with Screwcap ensure a Tight and Secure Seal.
* Clear Polypropylene Tubes with 5 Different Colors Caps (Blue, Green, Violet, Natural, Yellow) and Amber Tube with Caps

〈L1〉

(1) Conical Bottom-type, 2㎖, Φ11×h48mm

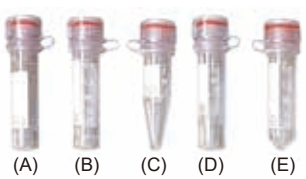
		Pk.	Price, ₩	Cs.	Price, ₩
SL.Tub3311.B	Screwcap Tube, Conical, Sterile, 2㎖, Blue	500ea	60,750	2pk	112,500
SL.Tub3311.G	, Green	500ea	60,750	2pk	112,500

(2) Self Standing-type, 2㎖, Φ11×h48mm

		Pk.	Price, ₩	Cs.	Price, ₩
SL.Tub3313.B	Screwcap Tube, Self-standing, Sterile, 2㎖, Blue	500ea	60,750	2pk	112,500
SL.Tub3313.G	, Green	500ea	60,750	2pk	112,500
SL.Tub3313.N	, Natural	500ea	60,750	2pk	112,500
SL.Tub3313.V	, Violet	500ea	60,750	2pk	112,500
SL.Tub3313.Y	, Yellow	500ea	60,750	2pk	112,500

(3) Amber, Conical & Self Standing-type, 2㎖

		Pk.	Price, ₩	Cs.	Price, ₩
SL.Tub3315	Screwcap Tube, Amber, Conical, Sterile, 2㎖	500ea	72,900	2pk	135,000
SL.Tub3316	, Self-standing, Sterile, 2㎖	500ea	72,900	2pk	135,000



(A) (B) (C) (D) (E)

(1) Loop-type Screwcapped Tube



(1)

95kPa TESTED



(2)

Simport® Premium Microtube® 0.5~2㎖ Sterile Tube, PP, with O-ring Seal Screwcap
For Cryogenic Work, White Graduation, Autoclavable, 20,000 RCF, 멸균 스크류캡 마이크로 튜브

■ ***Supplied by Simport® in Canada***
■ ***Ideal for Cryogenic Storage, Centrifugation, Boiling Application, etc.***
* −196℃(in the gas phase)+125/140℃, with Heavy Wall.
* 0.5㎖ Tubes(T332.2SPR & T335.2SPR) are not graduated.
* Leakproof : Lip-seal Structure with Screwcap and Silicone O-ring Sealing. * "Safety-lock" Inner Pack.
* Max. Centrifugation RCF : 20,000g(Non-Skirted Tubes), 17,000g(Skirted Tubes)

※ **Note! When Autoclaving, Loosen Off the PP Screwcap!!**

〈L1〉

(1) with O-ring Seal Screwcap and Attached Loop

		Pk.	Price, ₩	Cs.	Price, ₩
SP.T332.2SPR	(A) Tube, Self-standing, Sterile, 0.5㎖, Φ11×h47mm	50ea	25,430	10pk	241,880
SP.T332.4SPR	(D) , 1.5㎖, Φ11×h47mm	50ea	25,430	10pk	241,880
SP.T332.6SPR	(B) , 2.0㎖, Φ11×h47mm	50ea	25,430	10pk	241,880
SP.T332.5SPR	(C) , Conical-bottom, Sterile, 1.5㎖, Φ11×h47mm	50ea	28,440	10pk	270,700
SP.T332.7SPR	(E) , 2.0㎖, Φ11×h47mm	50ea	25,430	10pk	241,880

(2) with O-ring Seal Flat Screwcap

		Pk.	Price, ₩	Cs.	Price, ₩
SP.T335.2SPR	(F) Tube, Self-standing, Sterile, 0.5㎖, Φ11×h47mm	50ea	25,430	10pk	241,880
SP.T335.4SPR	(G) , 1.5㎖, Φ11×h47mm	50ea	25,430	10pk	241,880
SP.T335.6SPR	(I) , 2.0㎖, Φ11×h47mm	50ea	25,430	10pk	241,880



Simport® MicrewTube® 1.5 & 2㎖ Amber Micro Tube, PP, without Cap
Ideal for Light-Sensitive Materials, Non-Sterile, 20,000 RCF, <Canada-Made> 갈색 원심관/냉동 바이알

■ ***100% UV Light Blocking***
* RNase, DNase, DNA and Pyrogen Free * Withstand Temp −196℃+121℃, Autoclavable
* Max. Centrifugation RCF : 20,000g(Non-Skirted Tubes), 17,000g(Skirted Tubes)

〈L1〉

		Cs.	Price, ₩
SP.T341.4TBR	(1) Tube, Self-standing, 1.5㎖, Φ11×h44mm	1000ea	140,130
SP.T341.6TBR	(2) , 2.0㎖, Φ11×h44mm	1000ea	140,130
SP.T341.5TBR	(3) Tube, Conical-bottom, 1.5㎖, Φ11×h44mm	1000ea	186,650
SP.T341.7TBR	(4) , 2.0㎖, Φ11×h44mm	1000ea	140,130

Optional "Simport" PP Color Screwcap, with Silicone O-Ring, for All MicrewTube®

* Color Coded by Cap Insert(T345 Series)

		Cs.	Price, ₩
SP.T340.NOS	Screwcap, w/ O-Ring Seal, Natural	1000ea	196,730
SP.T340.BOS	, Blue	1000ea	196,730

Articles	Cat. No	Description





Hole for Syringe Injection

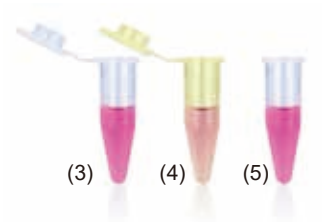
Simport® MicrewTube® 5.0㎖ Sterile Centrifuge Tubes, PP, with HDPE Lip Seal Screw Cap, Graduated
Ideal for Syringe/Needle Injection, Conical Bottom, 25,000 RCF, <Canada-Made> 다용도 멸균 원심관, 투명, 갈색

■ ***Certified RNase, DNase, Pyrogen, and DNA free***
■ ***Material : Tube- Polypropylene (PP), Cap-High Density Polyethylene (HDPE)***
■ ***The Center of the Lid "Membrane" Area Designed for Easy Puncture and Access with a Syringe/Needle***
∗ Designed for the Simple and Safe Processing of Medium-sized Sample Volumes. ∗ Autoclavable (Tubes only)
∗ Withstands temperatures from −196℃ to +110℃ ∗ Compatibility with Centrifuge Rotors
∗ Slim Design Fits High Capacity Rotors ∗ Writing Surface on Flat Cap and Side Wall
∗ Made without Slip Agents, Plasticizers, Mold Release Agents, and Biocide Substances
∗ 3/4 Turn Leak-proof Screwcap

〈L1〉

		Pk.	Price, ₩	Cs.	Price, ₩
SP.T365.5NLSS	(1) Tube, Conical, Sterile, 5.0 / 0.5㎖, Φ16×h62.5mm, Natural	20ea	10,550	10pk	100,380
SP.T365.5AMLSS	(2) , Amber	20ea	15,150	10pk	144,270





Kartell® 0.5 & 1.5㎖ Microcentrifuge Tube, PP & PE, with Snap Cap·Writing Area, −175℃ in Gas
Ideal for Sample Analysis, Eppendorf & Beckman Types, 11,000 RCF, <Italy-Made> 마이크로 원심관

■ ***Selected in Accordance with a Variety of Functions and Applications Available***
・(1) 0.5㎖ "Eppendorf" type: od 8×L32mm(KA.1298) ・(2) 0.5㎖ "Beckman" Slim-type : od 6×L49mm(KA.1299)
・**B** & **C** 1.5㎖ "Eppendorf" type: od 11×L40mm(KA.279.00 & KA.279.06 & KA.297)

〈L1〉

A. 0.5㎖, "Eppendorf" & "Beckman" Types with Cap, Non-graduation

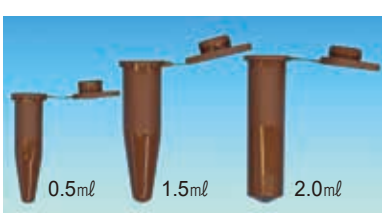
		Pk.	Price, ₩	Cs.	Price, ₩
KA.1298	(1) Tube, 0.5㎖, PP, "Eppendorf" Type , Φ8×h32mm	1000ea	24,340	14pk	330,420
KA.1299	(2) , PE, "Beckman" Slim-type, Φ6×h49mm	1000ea	33,430	18pk	583,450

B. 1.5㎖, "Eppendorf" Type with Cap and Graduation

		Pk.	Price, ₩	Cs.	Price, ₩
KA.279.00	(3) Tube, PP, 1.5 / 0.5㎖, Φ11×h40mm, Natural	1000ea	30,200	10pk	292,830
KA.279.06	(4) , Yellow	1000ea	30,200	10pk	292,830

C. 1.5㎖, "Eppendorf" Type without Cap, Non-graduation

		Pk.	Price, ₩	Cs.	Price, ₩
KA.297	(5) Tube, 1.5㎖, PP, without Cap, Non-graduation, Φ11×h40mm	1000ea	27,050	10pk	262,290



Amber 0.5~2.0㎖ Microcentrifuge Tube, PP, for Light-sensitive Sample, Leakproof, Moulded Graduation
With Frosted Marking Area & Integral Snap Cap, Autoclavable, 20,000 RCF, 갈색 마이크로 원심관

■ ***Supplied by DAIHAN Korea*** ∗ Ideal for Light-sensitive Sample
∗ Made of High Purity Virgin Polypropylene, Autoclavable at 121℃ and Freezable to −80℃
∗ Leak-proof Tested 635mm/Hg ∗ DNase, RNase and Pyrogen Free

〈L1〉

		Cs.	Price, ₩
DH.Tub3001	Microcentrifuge Tube, Amber, PP, 0.5 / 0.2㎖, Φ8×h31mm	1000ea	32,920
DH.Tub3003	, 1.5 / 0.5㎖, Φ11×h41mm	500ea	21,440
DH.Tub3005	, 2.0 / 0.5㎖, Φ11×h41mm	500ea	25,830



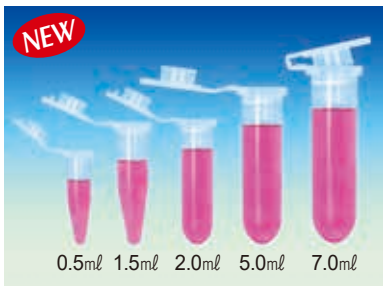
Biofil® 0.5~2.0㎖ Low Protein Binding Microcentrifuge Tube, PP, Sterile, Max. 30,000 RCF
Optimized for Protein Analysis, Lid Sealed Lock, 단백질 분석용 마이크로 원심관, 멸균형

■ ***단백질 시료 샘플 손실을 최소화하는데 적합한 튜브***
■ ***Manufactured in Class 100,000 Cleanroom with Materials Conforming to USP CLASS VI Standards under the Quality Control of ISO 13485 & 9001 and CE.***
■ ***Batch Certifications : Lot No. is Printed on Every Case (or Pack) for Quality Traceability***
■ ***Reduces Binding between Samples and Tube Walls, with Protein Recovery Rate of over 90%***
■ ***Can be Used for the Preparation or Storage of a Wide Range of High Quality and Vaulable Samples, such as Proteins, Peptides, Antibodies, Cell Suspensions, Viral Samples, etc***
∗ Made of High Purity Polypropylene(PP), No Surface Coating −80℃+121℃ ∗ Minimized Evaproation
∗ DNase/RNase Free, Non-pyrogenic, Human DNA Free, PCR Inhibitor Free
∗ Max RCF 25,000xg for 1.5㎖ & 2㎖, Max RCF 30,000xg for 0.5㎖

〈L1〉

		Pk.	Price, ₩	Cs.	Price, ₩
J1.CFT801.005	Tube, Microcentrifuge, PP, 0.5㎖, Φ7.4×h30mm	50ea	3,520	8pk	25,480
J1.CFT801.015	, 1.5㎖, Φ10.5×h39.2mm	50ea	4,490	8pk	32,580
J1.CFT801.020	, 2.0㎖, Φ10.5×h40.1mm	50ea	4,580	8pk	33,250

※ The Price(VAT is extra) for Korean End-user, and Changeable.





Wisd™ 0.5~7㎖ Safety Locking Micro Centrifuge Tube, PP, Fine Graduated, 20,000 RCF
With Flat Snapcap & Frosted Marking Area, Autoclavable, 마이크로 원심관

■ ***Supplied by DAIHAN Korea***

∗ Made of High Grade PP(Polypropylene), −10℃+125/140℃, Autoclavable ∗ DNase and RNase Free
∗ Good for Chemical & Heat-Resistance ∗ Ideal for Sample Analysis
∗ Safety Locking Shield Lid Prevents Easy Opening ∗ Compatible with Common Microcentrifuge Rotors

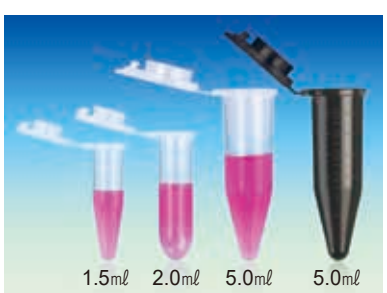
(1) Sterile Tubes, 0.5~7.0㎖, 멸균형

〈L1〉

Cat. No.	Volume(㎖)	Size(mm)	Shape	Safety Locking	RCF	Pk.	Price, ₩	Cs.	Price, ₩
DH.Tub3611	0.5 / 0.1	Φ8×h32	Conical	-	20,000	1000ea	29,650	10pk	274,540
DH.Tub3613	1.5 / 0.5	Φ11×h40	Conical	O	20,000	500ea	16,320	10pk	151,120
DH.Tub3614	2.0 / 0.5	Φ11×h40	Round	O	20,000	500ea	16,320	10pk	151,120
DH.Tub3615	5.0 / 1	Φ13×h53	Round	-	12,000	100ea	13,050	20pk	241,580
DH.Tub3616	7.0 / 1	Φ15×h61	Round	-	8,000	200ea	29,650	10pk	274,450

(2) Non-Sterile Tubes, 0.5~5.0㎖, 비멸균형

Cat. No.	Volume(㎖)	Size(mm)	Shape	Safety Locking	RCF	Pk.	Price, ₩	Cs.	Price, ₩
DH.Tub3511	0.5 / 0.1	Φ8×h32	Conical	-	20,000	1000ea	11,900	25pk	275,240
DH.Tub3513	1.5 / 0.5	Φ11×h40	Conical	O	20,000	500ea	9,170	20pk	169,500
DH.Tub3514	2.0 / 0.5	Φ11×h40	Round	O	20,000	500ea	11,040	20pk	204,190
DH.Tub3515	5.0 / 1	Φ13×h53	Round	-	9,000	300ea	15,700	20pk	290,570



Biofil® 1.5~5㎖ Conical Centrifuge Tube, PP, with Lid Lock, 25,000xg
Ideal for Sample Storage, Operation and Centrifugation, with Frosted Marking Area, 마이크로 원심관

■ ***Manufactured in 100,000 grade Clean Room Environment under the Control of ISO 9001:2008 and ISO 13485***
■ ***Safety Lid Lock Design ; Prevents Accidental Opening of Cap and Evaporation of Samples during Long-term Storage, and Ensures Operating Safety.***

∗ Made of Polypropylene(PP), Autoclavable at 121℃ and freezable to −80℃ ∗ Non-sterile
∗ Inner Packing is Individually Labelled Lot Number for Quality Traceability

〈L1〉

		Pk.	Price, ₩	Cs.	Price, ₩
J1.C010.015	Tube, Centrifuge, 1.5 / 0.2㎖, Φ10.48×h39.2mm, Natural	500ea	18,330	8pk	133,180
J1.C010.020	, 2 / 0.25㎖, Φ10.5×h44mm , Natural	500ea	18,970	8pk	137,770
J1.C122.050	, 5 / 0.5㎖ , Φ12.9×h63mm , Natural	200ea	30,630	20pk	556,600
J1.C127.050	, Black	200ea	32,540	20pk	591,390



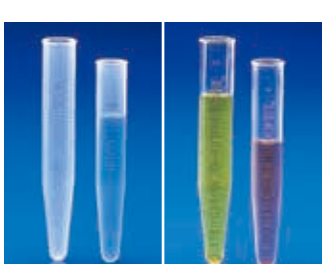
Wisd™ 7 & 10㎖ Multi-use Centrifuge Tube, PP, with Integral Snap Cap and Round Bottom, RCF 8000xg
Made of Polypropylene(PP), with Flat Top & Graduation, PP 다용도 원심관 튜브

■ ***Supplied by DAIHAN Korea***

∗ Certified CE ∗ Made of PP(Polypropylene), Autoclavable, −10℃+125/140℃

〈L1〉

		Pk.	Price, ₩	Cs.	Price, ₩
DH.Tub3507	Tube, Centri., PP, Round Bottom, w/Snap Cap, 7 / 1㎖ , Φ15×h61mm	200ea	18,420	20pk	340,950
DH.Tub3508	, 10 / 1㎖ , Φ15×h82mm	200ea	23,030	16pk	340,970


(1) PP (2) PMP

Kartell® PP/PMP Graduated Centrifuge Tube, Conical type, 10 & 15㎖
With Rimmed Mouth, Heavy Duty-type, RPM 4,000, <Italy-Made> PP/PMP 눈금 원심관

∗ Fine Precision Graduation ∗ PP(Polypropylene) : 120℃ Heat-resistant, Translucency
∗ PMP(Polymethylpentene), 170℃ Heat-resistant, Crystal Clear
∗ Rimmed mouth type, Convenient of Dropping and Stoppering

〈L1〉

		Ea.	Price, ₩	Pk.	Price, ₩
KA.2300	(1) Tube, Centri., PP, 10㎖, Divi. 0.1㎖, Φ16×h107mm	770		100ea	73,580
KA.2302	, 15㎖, . 0.2㎖, Φ18×h118mm	1,150		100ea	111,100
KA.1387	(2) Tube, Centri., PMP, 10㎖, Divi. 0.1㎖, Φ16×h107mm	1,690		50ea	81,570
KA.1388	, 15㎖, . 0.2㎖, Φ18×h118mm	1,820		50ea	87,690

Articles	Cat. No	Description



12㎖ Urine Specimen & Centrifuge Tube, PVC, Disposable, Non-sterile, *Medicaluse*

Conical Bottom & Internal Graduations, −20℃+80℃ Stable, 소변 채취용 뇨원심관, 비멸균

■ ***Made in Korea*** ■ ***소변 검사시 사용되는 원심관*** ■ ***미량검체에 적합*** ■ ***Ideal for Sample Analysis***

∗ Made of PVC(Polyvinyl Chloride), −20℃ +80℃ Stable
∗ Easy for Observation with High Transparency ∗ Molded-in Graduations Last the Life of the Tube 〈M4〉
∗ Compatible with Common Centrifuge Rotors

		Pk.	Price, ₩
DM.Tub3003	Specimen & Centrifuge Tube, PVC, 12㎖, Φ17×h108mm, Non-sterile	200ea	11,250



Biofil® 15㎖ Centrifugal Filter Tube, Conical, Available Pore Size with MWCO 50 and 100KDa

Porosity 0.01~0.2㎛ PES Membrane, Black Graduation · White Writing Area, 3,000xg/4,000xg, 원심 여과기 튜브

■ ***Manufactured in Class 100,000 Cleanroom with Materials Conforming to USP CLASS VI Standards under the Quality Control of ISO 13485 & 9001 and CE.***
■ ***Batch Certifications : Lot No. is Printed on Every Case (or Pack) for Quality Traceability.***
■ ***Use Centrifugal Pressure to Filter and Screen Target Molecules***
■ ***Max Working Volum : Fixed Angle(12㎖), Swing Bucket(15㎖)***
■ ***Maximum RCF : Swinging Bucket Rotor(3,000xg), Fixed Angle Rotor(4,000xg)***
∗ Ideal for Protein and Nucleic Acid Concentration · Buffer Exchange · Dialysis · Desalting
∗ Tube : Made of PP(Polypropylene) · Screwcap : Made of HDPE(High Density Polyethylene)
Filtration : Made of MBS(Methyl methacrylate Butadiene Styrene) · Membrane : Made of PES(Polyethersulfone)
Sealing Gasket : Made of PE(Polyethylene)
∗ Temperature range : 0℃ to 40℃, Non-autoclavable ∗ MWCO : Molecular Weight Cut-Offs 〈L1〉
∗ Active Membrane area : 9.7cm² ∗ Typical Final Concentrate Volume : 200㎕

		Pk.	Price, ₩	Cs.	Price, ₩
J1.FTT450.500	Tube, Centrifugal Filter, 15㎖, MWCO 50KDa	8ea	72,770	12pk	793,780
J1.FTT400.500	, MWCO 100KDa	8ea	72,770	12pk	793,780



DAIHAN® Premium 15 & 50㎖ Sterile Conical Bottom Centrifuge Tube, PP

Fine Graduation, with PE Blue Screwcap, Leakproof, <Korea-Made> PP 멸균 원심관

■ ***The Complete Auto-production System Reduces any Infection Possibility Caused by Hands and Realizes the Perfect Sterilization by Superior Electron Beam Treatment.***
∗ Made of PP(Polypropylene), Autoclavable at 121℃ and Freezable to −80℃ and Excellent for Chemical Resistance. ∗ Free of Human DNA, RNases, DNases and Endotoxin
∗ The Leakproof Cap Prevents Liquid Sample from Leaking.
∗ Suitable for All Standard Racks and Rotors ∗ White Graduations and White Writing Areas
∗ Easy-To-Read Blue Graduation are Accurate to ±2%
∗ The Zipper Bag Packing could be Re-sealed and Prevent from any Contamination.

※ Cs.운임 별도 〈L2〉

(1) 15㎖, Conical-type, 12,000xg

		Pk.	Price,₩	Cs.	Price,₩
DH.W28005	Tube, PP, 15 / 0.5㎖, Φ16×120mm, Zipper Bag	50ea	8,990	10pk	83,130
DH.W28015	, Plastic Rack	32ea	8,990	10pk	83,130

(2) 50㎖, Conical-type, 16,000xg

		Pk.	Price,₩	Cs.	Price,₩
DH.W28010	Tube, PP, 50 / 2.5㎖, Φ29×115mm, Zipper Bag	25ea	5,390	20pk	99,750
DH.W28050	, Plastic Rack	21ea	8,990	10pk	83,130





Individual Bag Pack



Zipper Bag Pack



Rack Pack

mediclin® 15 & 50㎖ Sterile Multiuse Tube, PP, Conical & Self-standing Bottom, Autoclavable

Ideal for Sample Storage & Transport and Centrifugation, with Marking Area & Graduation, PP 멸균원심관

■ ***Supplied by DAIHAN Korea***
∗ Made of PP(Polypropylene), Autoclavable, −10℃+125/140℃ Stable
∗ When Autoclaving, Always slacken off the Screwcap
∗ Individual-type (Sterile) : 1pc/Individual Polybag, 500 or 1000pcs/Outer Case
∗ Racked-type (Sterile) : 25pcs/Rack, 500pcs(25pcs×20Rack)/Outer Case



〈M1〉

(1) 15㎖, Conical-type, Φ16×h120mm, 10,000xg

		Pk.	Price, ₩	Cs.	Price, ₩
DM.Tub3011	Tube, Centri, PP, Conical, 15 / 0.5㎖, Zipper Bag 50ea/Pack	50ea	7,720	1000ea	142,700
DM.Tub3012	, Individual Bag Pack	25ea	4,780	1000ea	158,900
DM.Tub3013	, Rack Bag 50ea/Pack	50ea	10,820	1000ea	200,200

(2) 50㎖, Conical-type, Φ20×h116mm, 10,000xg

		Pk.	Price, ₩	Cs.	Price, ₩
DM.Tub3014	Tube, Centri, PP, Conical, 50 / 2.5㎖, Zipper Bag 25ea/Pack	25ea	4,780	500ea	88,330
DM.Tub3015	, Individual Bag Pack	25ea	7,140	500ea	118,800
DM.Tub3016	, Rack Bag 25ea/Pack	25ea	7,330	500ea	135,600

(3) 50㎖, Self Standing-type, Φ28×h116mm, 6,000xg

		Pk.	Price, ₩	Cs.	Price, ₩
DM.Tub3017	Tube, Centri, PP, Self Standing, 50 / 2.5㎖, Zipper Bag 25ea/Pack	25ea	6,120	500ea	113,000
DM.Tub3018	, Individual Bag Pack	25ea	7,140	500ea	118,800
DM.Tub3019	, Rack Bag 25ea/Pack	25ea	6,600	500ea	122,050

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description





Zipper Bag



Paper Rack

Biofil® 15 & 50㎖ Amber Centrifuge Tube, PP, Sterile or Non-sterile, with White Plug Seal Cap, Conical-type

For Light Sensitive Sample, Autoclavable, Large Un-erasable White Writing Area, 12,500xg, **멸균/비멸균 갈색 원심관**

- ***Manufactured in Class 100,000 Cleanroom with Materials Conforming to USP CLASS VI Standards under the Quality Control of ISO 13485 & 9001 and CE.***
- ***Batch Certifications : Lot No. is Printed on Every Case (or Pack) for Quality Traceability.***

∗ DNase/RNase-free, Non-pyrogenic ∗ Autoclavable at 121℃ and Freezable to −80℃

〈L1〉

(1) 15㎖ Amber Centrifuge Tube, Conical-type, divi. 1㎖

		Pk.	Price, ₩	Cs.	Price, ₩
J1.T710.150	Tube, Centri., PP, 15㎖, Conical-type, Non-sterile, Zipper Bag	50ea	13,620	10pk	123,720
J1.T711.150	, **Sterile**, Zipper Bag	25ea	6,990	20pk	126,850
J1.T712.150	, Paper Rack	50ea	16,040	10pk	145,750

(2) 50㎖ Amber Centrifuge Tube, Conical-type, divi. 2.5㎖

		Pk.	Price, ₩	Cs.	Price, ₩
J1.T710.500	Tube, Centri., PP, 50㎖, Conical-type, Non-sterile, Zipper Bag	50ea	17,250	10pk	156,740
J1.T711.500	, **Sterile**, Zipper Bag	25ea	9,100	20pk	165,270
J1.T712.500	, Paper Rack	25ea	10,240	20pk	185,950



15 & 50㎖ PP High RCF Centrifuge Tube

Biofil® 15 & 50㎖ High RCF Centrifuge Tube, PP, Conical, γ-Sterile, 21,000xg

Packaged with Screwcap Attached, with Graduation and Marking Area, PP **멸균 고속 원심관**

- ***Manufactured in Class 100,000 Cleanroom with Materials Conforming to USP CLASS VI Standards under the Quality Control of ISO 13485 & 9001 and CE.***
- ***Batch Certifications : Lot No. is Printed on Every Case (or Pack) for Quality Traceability.***

∗ Inner Packing is Individually Labelled Lot Number for Quality Traceability ∗ Maximum RCF is 21,000xg
∗ Easy to Read Black Graduation are Accurate ±2% ∗ Certified DNase / RNase free and Non-Pyrogenic
∗ With a Large Unerasable Frosting White Printed Writing Area ∗ Autoclavable at 121℃ and Freezable to −80℃

※ **Note! When Autoclaving, Loosen Off the PP Screwcap!!**

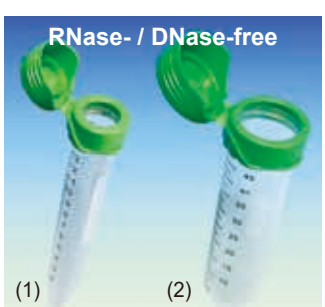
〈L1〉

(1) 15㎖ Centrifuge Tube, Φ17×h119mm

		Pk.	Price, ₩	Cs.	Price, ₩
J1.T312.150	Tube, Centri., PP, 15 / 1㎖, Conical-type, Zipper Bag Pack	25ea	11,020	10pk	200,020
J1.T322.150	, Paper Rack Pack	50ea	25,190	10pk	228,920

(2) 50㎖ Centrifuge Tube, Φ29×h115mm

		Pk.	Price, ₩	Cs.	Price, ₩
J1.T312.500	Tube, Centri., PP, 50 / 2.5㎖, Conical-type, Zipper Bag Pack	25ea	14,570	10pk	264,580
J1.T322.500	, Paper Rack Pack	25ea	16,270	10pk	295,670



"EasyFlip" Flip Top / Screwcap-Model

Biofil® 15 & 50㎖ *Easy Flip™* Sterile Screwcap Centrifuge Tube, PP

With One Hand Easy Flip to open the Cap, Fine Graduated, Accu. ±2%, 9,400xg RCF, PP **멸균 원-터치 원심관**

- ***Manufactured in Class 100,000 Cleanroom with Materials Conforming to USP CLASS VI Standards under the Quality Control of ISO 13485 & 9001 and CE.***
- ***Batch Certifications : Lot No. is Printed on Every Case (or Pack) for Quality Traceability.***

∗ RNase·DNase-free ∗ Autoclavable at 121℃ and Freezable to −80℃

※ **Note! When Autoclaving, Loosen Off the PP Screwcap!!**

〈L1〉

(1) 15㎖ EasyFlip™ Tube, Φ17×h119mm

		Pk.	Price,₩	Cs.	Price, ₩
J1.T212.150	Tube, EasyFlip™, 15 / 1㎖, Zipper Bag 25ea/Pack	25ea	10,950	20pk	198,920
J1.T222.150	, Paper Rack 50ea/Pack	50ea	24,980	10pk	226,890

(2) 50㎖ EasyFlip™ Tube, Φ29×h115mm

		Pk.	Price,₩	Cs.	Price, ₩
J1.T212.500	Tube, EasyFlip™, 50 / 2.5㎖, Zipper Bag 25ea/Pack	25ea	14,490	20pk	263,180
J1.T222.500	, Paper Rack 25ea/Pack	25ea	16,190	20pk	294,100

Articles	Cat. No	Description



Bio-Reaction Tube
& Vented Screwcap

Biofil® 15 & 50㎖ Membrane Vent Capped Bio-Reaction/Screwcap Centrifuge Tube, PP
With 0.22㎛ Membrane, Fine Graduated, Sterile, PP 멤브레인 캡 원심관

- ***Manufactured in Class 100,000 Cleanroom with Materials Conforming to USP CLASS VI Standards under the Quality Control of ISO 13485 & 9001 and CE.***
- ***Batch Certifications : Lot No. is Printed on Every Case (or Pack) for Quality Traceability.***
- ***Cap have an ultrasonically welded 0.22㎛ hydrophobic membrane to allow gas exchange***

∗ With a large unerasable frosting white printed writing area ∗ Leak proof ∗ Non-pyrogenic & Non-cytotoxic
∗ Maximum RCF is 12,000xg, 16,000xg and 6,000xg(Self-standing type) ∗ Sterilized by Gamma Radiation

※ **Note! When Autoclaving, Loosen Off the PP Screwcap!!**

〈L1〉

(1) 15㎖, Conical-type, 12,000xg

		Pk.	Price,₩	Cs.	Price, ₩
J1.B000.015	Tube, Centri., PP, Conical, 15 / 1㎖, Zipper Bag	10ea	6,140	10pk	55,680
J1.B010.015	, Paper Rack Pack	50ea	24,250	6pk	132,220

(2) 50㎖, Conical-type, 16,000xg

		Pk.	Price,₩	Cs.	Price, ₩
J1.B000.050	Tube, Centri., PP, Conical, 50 / 2.5㎖, Zipper Bag	10ea	9,000	10pk	81,770
J1.B010.050	, Paper Rack Pack	25ea	17,550	12pk	191,340

(3) 50㎖, Self Standing-type, Sterilized, 6,000xg

		Pk.	Price,₩	Cs.	Price, ₩
J1.B011.050	Tube, Centri., PP, Self-standing, 50 / 2.5㎖, Zipper Bag	10ea	9,580	10pk	86,980

(4) Spare Vented Screwcap with Membrane

		Pk.	Price,₩	Cs.	Price, ₩
J1.B011.050C	Screwcap, with Membrane, Vented, for 50㎖ Bio-Reaction Tube	25ea	13,420	40pk	487,030



30~100㎖ Oak Ridge High-Speed Centrifuge Tube, PP, with Silicone O-ring Sealed Screwcap
Can Stable up to 50,000xg, Leak-Proof, PP 오크리지 고속 원심관

∗ Made of Polypropylene ∗ Can be Used up to 50,000xg ∗ Should not be Used below −4℃
∗ Screwcap is fitted with Silicone O-Ring Making it totally Leak-proof

〈L1〉

		Ea.	Price, ₩	Pk.	Price, ₩
SL.Tub3370	Centri. Tube, PP, 30㎖ , Φ24×h91mm		2,670	12ea	29,190
SL.Tub3371	, 50㎖ , Φ27×h106mm		3,770	12ea	41,450
SL.Tub3372	, 100㎖, Φ37×h104mm		6,320	12ea	69,620



(1) For High Speed



(2) For Typical Use

250~1000㎖ PP Centrifuge Bottles, with Screwcap, Autoclavable, up to 13,700xg
Excellent Chemical Resistance, Translucent, −10℃ to +125/140℃, PP 원심관(병)/大광구병

- ***내구성, 내약품성 뛰어남*** ***대한 및 각사의 로터(히타치 · 쿠보타 · 토미 · 베크 맨 · 코쿠산등)에 적합한 원심병***
- ***Material : PP(Polypropylene Copolymer)***

∗ Ideal for Large - Volume Cell Harvesting, Pelleting and Protein Purification
∗ For Low - to Moderate-Speed Centrifugation of Biological and Chemical Samples

※ **Note! When Autoclaving, Loosen Off the Screwcap!!**

〈L2〉

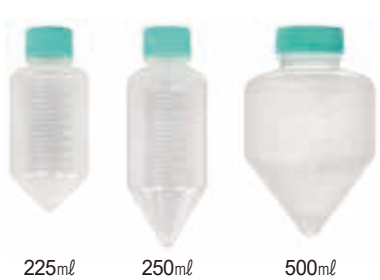
(1) For High Speed

		dhPk.	Price, ₩	Pk.	Price, ₩
SL.Bot3871	Centrifuge Bottles, 250㎖, Φ61.8×125.2mm, 13,200xg	1ea	47,230	4ea	125,900
SL.Bot3873	, 500㎖, Φ69.5×170.2mm, 13,700xg	1ea	51,770	4ea	138,040

〈L1〉

(2) For Typical Use

		Ea.	Price, ₩
DH.Cef250R.B1	Centrifuge Bottles, 250㎖ , Φ60.9×121mm, 3,582xg		29,330
DH.Cef500.B1	, 500㎖ , Φ91.9×115.5mm, 3,220xg		48,880
DH.Cef1000R.B2	, 1000㎖, Φ96.5×174mm, 4,100xg		97,750



Biofil® 225~500㎖ PP Conical Sterile Centrifuge Bottle, up to 7,500xg
With Moulded Graduation, Autoclavable, 멸균/눈금 코니칼 원심관(병)

- ***Manufactured in Class 100,000 Cleanroom with Materials Conforming to USP CLASS VI Standards under the Quality Control of ISO 13485 & 9001 and CE.***
- ***Batch Certifications : Lot No. is Printed on Every Case (or Pack) for Quality Traceability.***
- ***Very Popular Centrifuge Bottle in Sample Centrifuging and Storage*** ∗ Leak-proof ∗ ϒ-Sterile

∗ Autoclavable at 121℃ and Freezable to −196℃ ∗ Bottle made of High Quality Gamma Resistant Polypropylene
∗ Plug Seal Cap made of Polyethylene ∗ Bottles are Packaged in Durable and Re-sealed Bags with Caps Attached
∗ RNase- & DNase-free, Non-pyrogenic

※ **Note! When Autoclaving, Loosen Off the PP Screwcap!!**

〈L1〉

		Pk.	Price, ₩	Cs.	Price, ₩
J1.T012.225	Bottle, Centrifuge, PP, Conical, Φ61×h137mm, 225㎖	6ea	15,400	8pk	111,920
J1.T012.250	, Φ61×h161mm, 250㎖	6ea	17,620	8pk	127,930
J1.T041.500	, Φ95×h155mm, 500㎖ *New*	6ea	17,930	6pk	97,770

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



Biofil® 5 & 14㎖ Round Bottom Culture Tube, PP & PS, Sterile or Non-sterile
With Dual Position Cap or Plug Cap, Leakproof, No-Breakage, PP & PS 컬쳐 튜브

■ ***Manufactured in Class 100,000 Cleanroom with Materials Conforming to USP CLASS VI Standards under the Quality Control of ISO 13485 & 9001 and CE.***
■ ***Batch Certifications : Lot No. is Printed on Every Case (or Pack) for Quality Traceability.***
∗ Ideal for Biological Reaction Experiment
∗ Tube : 1) Made of Polypropylene(PP) : Clear, Autoclavable at 121℃ and Freezable to −80℃
2) Made of Polystyrene (PS) : Glassy-Clear, −10℃+70/80℃, Non-autoclavable
∗ Dual-position Cap : Made of LDPE(Low Density Polyethylene), Ventilation & Sealing ∗ Mold Graduation : only 14㎖
∗ Ribbed Plug Cap for Easy Opening and Closing ∗ DNase/RNase Free, Latex Free and Non-pyrogenic
∗ Meet the Requirements of BSE/TSE and RoHS ∗ Sterilized by Gamma Irradiation SAL10-6 (ISO11137)

(1) PP Tube, Clear, Autoclavable

〈L1〉

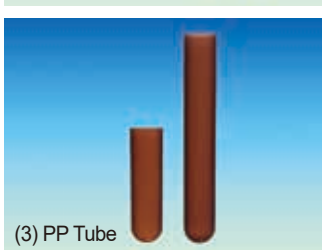
		Pk.	Price, ₩	Cs.	Price, ₩
J1.TUB022.005	Tube, 5㎖, **Sterile**, Φ12×h75.9mm, w/ Plug Cap *New*	25ea	3,900	20pk	70,850
J1.TUB011.140	, 14 / 0.5㎖, **Sterile**, Φ17×h95.5mm, w/ Dual Cap	25ea	7,840	20pk	142,130
J1.TUB000.140	, Non-sterile, Φ17×h95.5mm, w/ Dual Cap	50ea	14,440	10pk	131,190

(2) PS Tube, Glassy-Clear, Non-autoclavable

		Pk.	Price, ₩	Cs.	Price, ₩
J1.TUB023.005	Tube, 5㎖, **Sterile**, Φ12×h75.9mm, w/ Plug Cap *New*	25ea	4,050	20pk	73,630
J1.TUB111.140	, 14 / 0.5㎖, **Sterile**, Φ17×h95.5mm, w/ Dual Cap	25ea	7,840	20pk	142,130
J1.TUB100.140	, Non-sterile, Φ17×h95.5mm, w/ Dual Cap	50ea	14,440	10pk	131,190







2.5~10㎖ Test Tubes Only, PP & PS, Clear · Transparent · Amber, without Cap
With Round Bottom, No-Breakage, Smooth Surface, PP & PS 다용도 시험관, 캡 별매

■ ***Supplied by DAIHAN Korea***

(1) mediclin® PS Tube, Glassy-Clear, Disposable NEW

〈M1〉

∗ Non-Autoclavable (−10℃+80℃)

		Pk.	Price, ₩	Cs.	Price, ₩
DM.Tub3704	Tube, PS, Glassy-Clear, 4.5㎖, Φ12×75mm	500ea	15,780	10pk	145,950
DM.Tub3706	, 5㎖ , Φ13×75mm	500ea	19,190	10pk	177,580
DM.Tub3708	, 7㎖ , Φ13×100mm	150ea	8,030	20pk	148,500
DM.Tub3710	, 10㎖ , Φ16×100mm	500ea	36,980	5pk	171,130

(2) mediclin® PP Tube, Transparent, Reusable NEW

∗ Autoclavable (−10℃+125/140℃)

		Pk.	Price, ₩	Cs.	Price, ₩
DM.Tub3703	Tube, PP, Transparent, 4.5㎖, Φ12×75mm	500ea	15,780	10pk	145,950
DM.Tub3705	, 5㎖ , Φ13×75mm	500ea	19,190	10pk	177,580
DM.Tub3707	, 7㎖ , Φ13×100mm	150ea	8,030	20pk	148,500
DM.Tub3709	, 10㎖ , Φ16×100mm	500ea	36,980	5pk	171,130

(3) ABDOS® PP Tube, Amber, Radioimmunoassay(RIA)

∗ Autoclavable (−10℃+125/140℃) ∗ Suitable for Testing Antigens for Sample, Hormone Level in Blood
∗ Used for Light Sensitive Samples · Common Acids · Alkalies · Solvents

〈L1〉

		dh pk.	Price, ₩	Cs.	Price, ₩
DH.Tub3011	Tube, Amber, PP, 2.5㎖, Φ12×h40mm	10ea	580	500ea	19,130
DH.Tub3012	, 5.0㎖, Φ12×h75mm	10ea	720	500ea	23,700



(1) PE Flange Stopper


(2) Flange-cap


(3) Thumb-Cap, Natural Color

PE Cap/Stopper for O.D 12~24mm Tubes, Flange · Hollow Top Plug · Thumb · Universal-Caps
For Centrifuge · Culture · Test-Tubes, −50℃+80/90℃, PE 캡/스토퍼

(1) mediclin® PE Flange Stopper NEW

〈M1〉

		Pk.	Price, ₩	Cs.	Price, ₩
DM.Sto3702	PE, Stopper, Flange-type, for up to od 12~13mm Tubes, Red	1000ea	19,250	25pk	445,570
DM.Sto3701	, for up to od 13mm Tubes, White	1000ea	19,250	25pk	445,570
DM.Sto3703	, for up to od 16mm Tubes, Red	1000ea	24,470	16pk	362,290

(2) Flange-Cap, <Italy-Made>

〈L1〉

		Pk.	Price, ₩	Cs.	Price, ₩
KA.88309	Cap, Flange type, for od 12~13mm Tubes, Natural	1000ea	32,500	25pk	787,880
KA.88305	, for od 15~16mm Tubes, Natural	1000ea	41,200	14pk	559,450

(3) Thumb-Cap, Natural Color, <Italy-Made>

		Cs.	Price, ₩
KA.650	Cap, Thumb type, for od 12mm Tubes, Cap od 10.5mm	100ea	6,620
KA.651	, for od 16mm Tubes, Cap od 14.0mm	100ea	8,570
KA.659	, for od 17mm Tubes, Cap od 15.5mm	100ea	8,870
KA.654	, for od 18mm Tubes, Cap od 16.0mm	100ea	9,570
KA.655	, for od 24mm Tubes, Cap od 22.0mm	100ea	14,340

Articles	Cat. No	Description



Simport® FitsAll™ PE Universal Cap, for Φ12~16mm Tubes, −50℃+80/90℃
Pierceable for Needle Injection, Easy-on & Easy-off Design, Sturdy, PE **만능캡, Φ12~16mm 튜브 공용**

■ ***Made in Canada*** ■ ***Made of Polyethylene***
■ ***Φ12~16mm 튜브에 광범위하게 사용 가능한 캡/스토퍼***
∗ Easy-on & Easy-off Use ∗ Ideal for Recapping Φ12~16mm Evacuated Glass Blood Collection Tubes.
∗ Protects from Cross-contamination and Aerosols of Highly Infectious Microorganisms ∗ Non-autoclavable 〈L1〉
∗ Flexible Plastic Cap Can be Pierced as Often as Needed.

		Pk.	Price, ₩	Cs.	Price, ₩
SP.T403N	Universal, Cap, PE, for Φ12~16mm Tubes, Natural	1000ea	57,340	10pk	546,030



Kartell® 7~110㎖ PP Test Tubes, Translucency, 4,000rpm
With Rimmed Mouth, −10℃+125/140℃, <Italy-Made> **투명성 PP 시험관**

∗ Translucency, PP(Polypropylene), 120℃ Heat-resistant, Autoclave
∗ Rimmed mouth type, Convenient of Dropping and Stoppering
∗ Optional PE(Polyethylene) Caps ; See Page.867

〈L1〉

		Ea.	Price, ₩	Pk.	Price, ₩
KA.302	Tube, Centri. PP, 7㎖ , Φ12×h100mm, 4000 rpm	970		100ea	92,890
KA.303	, 16㎖ , Φ17×h101mm, 4000 rpm	380		500ea	178,370
KA.305	, 30㎖ , Φ24×h 95mm, 4000 rpm	2,720		50ea	131,350
KA.306	, 50㎖ , Φ30×h104mm, 4000 rpm	3,050		25ea	73,950
KA.307	, 70㎖ , Φ35×h100mm, 4000 rpm	3,450		20ea	66,890
KA.308	, 110㎖, Φ40×h120mm, 4000 rpm	3,830		25ea	92,620



Kartell® PP 15㎖ Multiuse Screwcap Tube, Sterile or Non-sterile Type, RCF 400xg
Muti-use for Test · Centrifuge · Culture, −10℃+125/140℃, <Germany-Made> **PP 다용도 스크류캡 원심관**

∗ Multi-use : 1) Culture-tubes 2) Test-tubes 3) Centrifuge-tubes ∗ No.88304 Tube, 100 pcs / Sterile Inner Pack
∗ PP(Polypropylene), −10℃+120℃ Heat-resistant, Translucency
∗ PE(Polyethylene) Screwcap Color : Yellow (06), White (03)
※ **Note! When Autoclaving, Loosen Off the PP Screwcap!!**

〈L1〉

		dh Pk.	Price, ₩	Cs.	Price, ₩
KA.88303.03	Tube, 15㎖, Non-sterile, Φ16×h100mm, White cap	100ea	40,750	1,000ea	271,620
KA.88303.06	, Yellow cap	100ea	40,750	1,000ea	271,620

		Pk.	Price, ₩	Cs.	Price, ₩
KA.88304.03	Tube, 15㎖, **Sterile**, Φ16×h100mm, White cap	100ea	45,400	1,000ea	440,370
KA.88304.06	, Yellow cap	100ea	45,400	1,000ea	440,370



Wisd™ PP 1.8~30㎖ Multiuse Sample/Transport Tubes, Conical Self-standing Bottom
With Leakproof Screwcap, Autoclavable, **다용도 샘플 튜브**

■ ***Supplied by DAIHAN Korea*** ■ ***Good for Storage & Transport of Specimens***
∗ Made of Fine Polypropylene(PP) ∗ −10℃+125/140℃ ∗ When Autoclaving, Loosen the Caps !
∗ With Graduation of 1.8 · 5 · 10㎖, But 30㎖ Non !

〈L1〉

		Pk.	Price, ₩	Cs.	Price, ₩
DH.Tub3601	Tube, PP, Sample, 1.8 / 0.5㎖, Φ11×h45mm	500ea	53,720	20pk	994,450
DH.Tub3604	, 5 / 1㎖ , Φ15×h57mm	200ea	24,420	16pk	361,650
DH.Tub3605	, 10 / 1㎖ , Φ15×h95mm	100ea	15,700	20pk	290,600
DH.Tub3606	, 30㎖ , Φ24×h93mm	50ea	13,530	10pk	125,130



Biofil® 0.5~50㎖ Air-tight Serum & Sample Tube, Sterile, Silicone O-Ring Sealed Screwcap
Transparent PP-Tube(Autoclavable), HDPE-Cap, Fine Gaduation & Writing Area, **멸균 세럼 · 샘플 튜브**

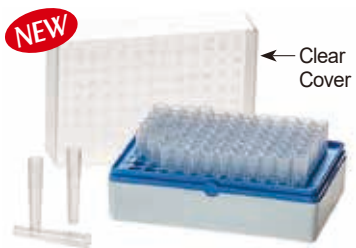
■ ***Manufactured in Class 100,000 Cleanroom with Materials Conforming to USP CLASS VI Standards under the Quality Control of ISO 13485 & 9001 and CE.***
■ ***Batch Certifications : Lot No. is Printed on Every Case (or Pack) for Quality Traceability***
∗ Silica Gel Plug Seal Washer inside the Plug Seal Cap to Prevent to Liquid Leakage
∗ DNase/RNase-free and Non-pyrogenic ∗ Chemical Stability

〈L1〉

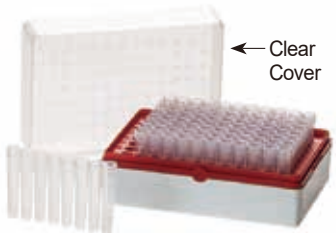
		Pk.	Price, ₩	Cs.	Price, ₩
J1.SST001.005	Tube, PP, Sterile, 0.5㎖ , Φ11×h48mm , Self-standing	50ea	5,890	100pk	534,150
J1.SST001.015	, 1.5㎖ , Φ11×h48mm , Self-standing	50ea	6,580	100pk	596,990
J1.SST001.020	, 2 / 0.1㎖ , Φ11×h48mm , Self-standing	20ea	2,890	250pk	653,550
J1.SST001.050	, 5 / 0.5㎖ , Φ16×h59mm , Self-standing	20ea	6,640	125pk	754,090
J1.SST001.150	, 15 / 0.5㎖, Φ17×h121mm, Conical	25ea	5,830	20pk	105,840
J1.SST001.500	, 50 / 2.5㎖, Φ29×h118mm, Self-standing	25ea	8,430	20pk	153,180

※ The Price(VAT is extra) for Korean End-user, and Changeable.

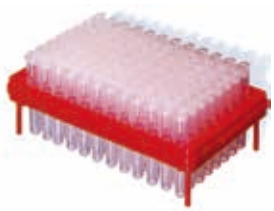
Simport® BioTube™ 96-Place Rack & Tube Set, PP, with 96 Individual Tubes or 12 Strips of 8 Tubes, Sterile or Non-sterile
With Removable Grid Plate, Minimizing Liquid Retention, −190℃+121℃, BioTube™ 96 바이오랙 & 튜브 세트



(1) Rack with 96 Individual Tubes Set



(2) Rack with 12 Strips of 8 Tubes Set



Removable Free Standing Grid Plate

- ***Supplied by Simport® in Canada***
- ***All Autoclavable PP(polypropylene)***
- ***Alpha-numeric indexing for Sample Identification***
- ***Good for Freezer Storage : −190℃(in the gas phase)+121℃***
- ***Consists of Tubes(96×1.2㎖ Individual Tubes or 12 Strips of 8 tubes), White Base,Grid Plate(Blue or Red) and Translucent Cover***

∗ Translucency Cover : Alpha-numeric System
∗ Removable Grid Plate Stands on 4 Legs and Can be placed on a Lab Counter or in a Water Bath
∗ Easy to read ID Numbers and Letters
∗ Convenient Carrying Handles on Both Sides
∗ RNase, DNase, DNA and Pyrogen Free
∗ Applications :
- Biological Test, Low-temperature Test, Storage, Refrigeration, Movement of Reagents of Sampling
- Experiment needed Low Surface Tension such as Protein & Nucleic acid
- HTLV-Ⅲ testing, Bacterial & Hybridoma Cell uptake studies, Cell Harvesting, Medicine Quality Control, Receptor binding Assays, ideal for RIA or EIA.



Individual Plug Caps



Strip of 8 Plug Caps

〈L1〉

		Cs.	Price, ₩
SP.T100.1B	(1) Rack & Tube Set, with 96 Tubes of 1.2㎖, Non-sterile, Blue-Grid Plate	10ea	138,530
SP.T100.2B	, **Sterile**, Blue-Grid Plate	10ea	166,030
SP.T100.4R	(2) Racks & Strips, with 12 Stips of 8 Tubes of 1.2㎖, **Sterile**, Red-Grid Plate	10ea	145,990

Components Separately, Non-sterile

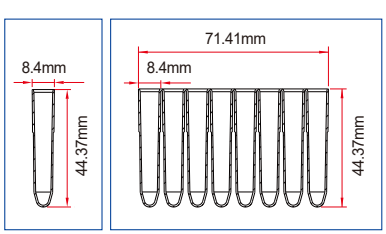
		Pk.	Price, ₩	Cs.	Price, ₩
SP.T100.50B	Rack without Tubes, Blue-Grid Plate			10ea	73,000
SP.T100.50R	, Red-Grid Plate			10ea	87,150
SP.T100.20	Tube, 1.2㎖, Top Φ9×h46 mm, Bulk	960ea	56,100	5pk	267,040
SP.T100.25	, Strip of 8 Tubes, Bulk	120ea	57,400	5pk	273,150

Optional Caps

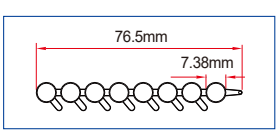
		Pk.	Price, ₩	Cs.	Price, ₩
SP.T100.28	Cap, Plug type, PE, for T100.20 Tubes, Bulk	960ea	122,600	5pk	583,700
SP.T100.30	, Strip of 8 Plug Caps, PE, for T100.25 Tubes, Bulk	120ea	35,480	5pk	168,800

Biofil® 1.2㎖ 96-well Biotube Rack Set, PP, with 96 Individual Tubes or 12 Strips of 8 Tubes, Sterile or Non-sterile
Ideal for the Long-term Storage of Samples, Chemical Stability, −80℃+121℃, 96-바이오 랙 & 튜브 세트





Individual 8-well strip



Cap

- ***소량의 액체 샘플을 장기적으로 보관하는데 용이***
- ***Manufactured in Class 100,000 Cleanroom with Materials Conforming to USP CLASS VI Standards under the Quality Control of ISO 13485 & 9001 and CE.***
- ***Batch Certifications : Lot No. is Printed on Every Case (or Pack) for Quality Traceability***
- ***Suitable for the Low-Temperature Cryopreserved of Samples such as Serum, Cells and Tissues.***
- ***Consists of Tubes (96×1.2㎖ Individual Tubes or 12 Strips of 8 Tubes) and Rack***

∗ Tube made of Polypropylene(PP)
∗ Uniform Wall Thickness, Smooth and Transparent Surface, Easy to Observe and Operate
∗ Clear Alphabetical Ordering and Chamfered Markings for Easy Identification
∗ DNase/RNase Free, Non-pyrogenic ∗ Sterilized by Gamma Irradiation
∗ Size : 85.9×128.8×h47mm

〈L1〉

96-well Rack Set with Lid Included 1.2㎖ Tube

		Pk.	Price, ₩	Cs.	Price, ₩
J1.TUB004.012	Rack Set with 96 Individual Tubes, PP, **Sterile**	10rack	44,650	10pk	405,890
J1.TUB003.012	, Non-sterile	10rack	46,830	10pk	425,600
J1.TUB006.012	Rack Set with 12 Strips of 8 Tubes, PP, **Sterile**	10rack	47,970	10pk	435,970
J1.TUB005.012	, Non-sterile	10rack	46,540	10pk	423,070

Spare Tubes, Non-sterile

		Pk.	Price, ₩	Cs.	Price, ₩
J1.TUB000.012	Tube, PP, 1.2㎖, Strip of 8 Tubes, Bulk	125ea	25,900	10pk	235,400
J1.TUB002.012	, Individual Tubes, Φ8.4×h44.4mm, Bulk	1,000ea	28,780	10pk	261,550

Optional Caps, Non-sterile

		Pk.	Price, ₩	Cs.	Price, ₩
J1.TUC000.012	Cap, HTP, Strip of 8 Tube caps, Bulk	125ea	15,200	10pk	138,170

Articles	Cat. No	Description



Kartell® ABS Tubing Selector/Gauge, id Φ1~25mm, OD Φ1.5~21mm

Made of Acrylonitrile-Butadiene-styrene copolymer(ABS), −40℃+85℃, <Italy-Made> ABS 튜빙 게이지

■ ***Supplied by Kartell® in Italy***
■ ***ABS (Acrylonitrile-Butadiene-styrene copolymer), -40℃+85℃***
∗ This gives nominal od & id of tubing. ∗ Use to determine "grip" for connectors.
∗ **Gauge of 2-sides Measurement :** One-side for Tubing ID, Other-side for OD
・I.D. (mm) : 1, 2, 2.5, 3, 4, 4.5, 4, 4.5, 5, 6, 7, 8, 9.5, 10, up to 25mm : for ID Measurement
・O.D. (mm) : 1.5, 2, 2.5, 3, 4, 5.5, 6, 7, 8, 9, 10 up to 21mm : for OD Measurement

<L1>

		Ea. Price,₩	Pk.	Price, ₩
KA.1759	Tubing Selector, 90×165 mm	5,390	150ea	782,550



(1) Pure Latex Rubber Tubing



(2) Vacuum Latex Tubing

Pure Latex Rubber Tubing, Light Amber, id Φ4~Φ15mm

For General- & Vacuum-Use, 라텍스 러버튜빙

■ ***Made of Latex Rubber, Autoclavable***
∗ Pure Latex : Talc-Free, Translucent, Smooth Surface/Soft, Shore-35-degree.

※ **Subdivided "m-unit" Selling!**

(1) for General Purpose, id Φ4~15mm

<L3>

		m/dh.pk.	Price, ₩	Roll.	Price, ₩
TUB.La011	Tubing, 4-size : id/od-Φ4.0/6.0×thick-1mm	1m	1,200	60m	47,940
TUB.La012	, 5-size : -Φ5.0/7.0× -1mm	1m	1,990	32m	42,250
TUB.La013	, 6-size : -Φ6.0/9.0× -1.5mm	1m	2,120	30m	42,250
TUB.La014	, 7-size : -Φ7.0/10 × -1.5mm	1m	3,180	20m	42,250
TUB.La015	, 8-size : -Φ8.0/12 × -2mm	1m	3,970	16m	42,250
TUB.La016	, 9-size : -Φ9.0/13 × -2mm	1m	4,230	15m	42,250
TUB.La017	, 10-size : -Φ10/14 × -2mm	1m	5,290	12m	42,250
TUB.La018	, 12-size : -Φ12/17 × -2.5mm	1m	7,930	8m	42,250
TUB.La019	, 15-size : -Φ15/22 × -3.5mm	1m	12,680	5m	42,250

(2) for Low/Middle Vacuum, id Φ5~10mm

		m/dh.pk.	Price, ₩	Roll.	Price, ₩
TUB.La021	Tubing, 5-size : id/od-Φ5.0/11×thick-3mm	1m	3,300	20m	43,880
TUB.La022	, 6-size : -Φ6.0/12× -3mm	1m	4,390	15m	43,880
TUB.La023	, 7-size : -Φ7.0/14× -3.5mm	1m	6,590	10m	43,880
TUB.La024	, 8-size : -Φ8.0/16× -4mm	1m	9,420	7m	43,880
TUB.La025	, 10-size : -Φ10/22 × -6mm	1m	13,170	5m	43,880





(1) Pure Silicone Rubber Tubing



(2) Vacuum Silicone Tubing

DAIHAN® Pure Silicone Rubber Tubing, Neutral Clear, id Φ1.5~Φ18mm

With High-Flexible, Transparent, −40℃+200℃, 실리콘 튜빙

■ ***Made in Korea*** ■ ***Made of Silicone Rubber*** ∗ Autoclavable and Irradiated.
∗ Pure Silicone : Good for Lab & Medical Devices and High Heat Applications.

※ **Subdivided "m-unit" Selling!**

(1) for General Purpose, id Φ1.5~18mm

<L1>

		m/dh.pk.	Price, ₩	Roll.	Price, ₩
TUB.Si011	Tubing, 1-size : id/od-Φ1.5/2.5×thick-0.5mm	1m	630	10m	4,120
TUB.Si012	, 2-size : -Φ2.0/3.0× -0.5mm	1m	690	10m	4,570
TUB.Si013	, 3-size : -Φ3.0/4.5× -0.75mm	1m	1,270	10m	8,350
TUB.Si014	, 4-size : -Φ4.0/5.5× -0.75mm	1m	1,550	10m	10,300
TUB.Si015	, 5-size : -Φ5.0/7.0× -1mm	1m	2,470	10m	16,380
TUB.Si016	, 6-size : -Φ6.0/8.0× -1mm	1m	2,800	10m	18,650
TUB.Si017	Tubing, 7-size : id/od-Φ7.0/9.0×thick-1mm	1m	3,180	10m	21,150
TUB.Si018	, 8-size : -Φ8.0/11 × -1.5mm	1m	5,450	10m	36,270
TUB.Si019	, 9-size : -Φ9.0/12 × -1.5mm	1m	6,040	10m	40,190
TUB.Si020	, 10-size : -Φ10/13 × -1.5mm	1m	6,570	10m	43,740
TUB.Si022	, 12-size : -Φ12/16 × -2mm	1m	12,540	10m	83,520
TUB.Si025	, 15-size : -Φ15/20 × -2.5mm	1m	16,440	10m	109,530
TUB.Si028	, 18-size : -Φ18/24 × -3mm	1m	26,140	10m	174,190

(2) for Low/Middle Vacuum, id Φ3~17mm

		m/dh.pk.	Price, ₩	Roll.	Price, ₩
TUB.Si033	Tubing, 3-size : id/od-Φ3.0/6.0×thick-1.5mm	1m	2,700	10m	17,930
TUB.Si034	, 4-size : -Φ4.0/8.0× -2mm	1m	4,670	10m	31,030
TUB.Si035	, 5-size : -Φ5.0/9.0× -2mm	1m	5,370	10m	35,730
TUB.Si036	, 6-size : -Φ6.0/11 × -2.5mm	1m	8,040	10m	53,550
TUB.Si037	, 7-size : -Φ7.0/13 × -3mm	1m	11,250	10m	74,990
TUB.Si038	, 8-size : -Φ8.0/15 × -3.5mm	1m	15,230	10m	101,500
TUB.Si039	, 9-size : -Φ9.0/17 × -4mm	1m	19,330	10m	128,820
TUB.Si040	, 10-size : -Φ10/19 × -4.5mm	1m	21,470	10m	143,080
TUB.Si043	, 13-size : -Φ13/23 × -5mm	1m	37,200	10m	247,980
TUB.Si047	, 17-size : -Φ17/27 × -5mm	1m	45,440	10m	302,890

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description


High-Vacuum Rubber Tubing

High-Vacuum Rubber Tubing, with Very Heavy wall, id Φ3~Φ38mm

Good for Air · Water · Medium · Conc-Acid · Alcaline Solution &c., −40℃+80℃, **고진공용 러버튜빙**

〈L3〉

■ ***Useful in Laboratory & Industry.*** ∗ Natural Rubber

Cat. No	Description	Ea.	Price, ₩
TUB.Ru007	Tubing, Rubber, Hi-Vacu., id/od-Φ3/16 ×thick-6.5mm, L1m	1m	25,350
TUB.Ru008	-Φ4/16 × -6.0mm, L1m	1m	25,350
TUB.Ru009	-Φ5/16 × -5.5mm, L1m	1m	25,350
TUB.Ru011	-Φ6/16 × -5.0mm, L1m	1m	28,120
TUB.Ru012	, id/od-Φ7/20 ×thick-6.5mm, L1m	1m	32,500
TUB.Ru013	-Φ8/22 × -7.0mm, L1m	1m	36,890
TUB.Ru013.1	-Φ9/24 × -7.5mm, L1m	1m	30,070
TUB.Ru014	, id/od-Φ10/25×thick-7.5mm, L1m	1m	43,230
TUB.Ru015	-Φ13/30× -8.5mm, L1m	1m	60,620
TUB.Ru016	-Φ16/35× -9.5mm, L1m	1m	64,840
TUB.Ru016.1	-Φ19/40× -10.5mm, L1m	1m	55,090
TUB.Ru017	, id/od-Φ20/40×thick-10mm, L1m	1m	71,340
TUB.Ru018	-Φ24/50× -13mm, L1m	1m	92,950
TUB.Ru019	-Φ32/70× -19mm, L1m	1m	211,250
TUB.Ru020	-Φ38/75× -18.5mm, L1m	1m	304,690



Wisd™ Fluorinated Rubber(Fluoroelastomer), DIN FPM, Viton Tubing, id Φ4~Φ18mm

Good for Almost Chemicals, High-Flexible, Autoclavable, −25℃+200℃, **바이톤 튜빙**

■ ***Made of 100% Pure Viton™*** ■ ***Excellent Vacuum Performance***

∗ Resistance to Abrasion, Corrosive Chemical, Acid, Ozone, UV, Fuel, Oil, Diesel, Biodiesel, etc.

∗ Autoclavable and Irradiated. ∗ Low Air Permeability ※ **Sold in Meters!**

〈L1〉

Cat. No	Description	m/dh.pk.	Price, ₩	Roll.	Price, ₩
TUB.Vi011	Tubing Viton, id/od-Φ4.0/6.0 ×thick-1mm	1m	38,100	5m	127,000
TUB.Vi012	, id/od-Φ5.0/7.0 × -1mm	1m	42,380	5m	141,250
TUB.Vi013	, id/od-Φ6.0/9.0 × -1.5mm	1m	55,130	5m	183,750
TUB.Vi014	, id/od-Φ7.0/10.0 × -1.5mm	1m	55,950	5m	186,500
TUB.Vi015	, id/od-Φ8.0/12.0 × -2mm	1m	82,500	5m	275,000
TUB.Vi017	, id/od-Φ10.0/14.0× -2mm	1m	107,820	4m	287,500
TUB.Vi018	, id/od-Φ11.5/15.5× -2mm	1m	112,500	4m	300,000
TUB.Vi020	, id/od-Φ14.0/20.0× -3mm	1m	209,770	3m	419,500
TUB.Vi023	, id/od-Φ18.0/24.0× -3mm	1m	241,640	3m	483,250


PTFE-Tubing

Opaque PTFE Tubing, Chemically Inert and Ideal for High-Temp, id Φ1~Φ25mm

Good for Nearly All Chemicals, Rigid-type, −200℃+280℃, PTFE **불투명 테프론 튜빙**

■ ***PTFE : High-molecular "PolyTetraFluoroEthylene copolymer"***

■ ***The Best Stability of Chemicals · Temperature · Electricity.*** ■ ***Anti-Adhesive Surface and Very Low Water Absorption.*** ■ ***Can be Sterilized by Autoclaving / Gas / Dry Heat / Disinfectants.***

※ **Subdivided "m-unit" Selling!** ∗ Standard Packing : 10m/Roll

〈L3〉

Cat. Number	Tube Φ ID×OD & Thick mm	Price, ₩ m/dh. pk		Price, ₩ Roll	
TUB.Pt011	Φ1×2, T 0.5	1m	1,530	10m	10,170
TUB.Pt012	Φ2×3, T 0.5	1m	1,840	10m	12,190
TUB.Pt013	Φ3×4, T 0.5	1m	2,250	10m	14,950
TUB.Pt014	Φ4×6, T 1	1m	3,670	10m	24,380
TUB.Pt015	Φ5×7, T 1	1m	4,640	10m	30,880
TUB.Pt016	Φ6×8, T 1	1m	4,940	10m	32,920
TUB.Pt017	Φ7×9, T 1	1m	5,850	10m	39,000
TUB.Pt018	Φ8×10, T 1	1m	6,590	10m	43,880
TUB.Pt019	Φ9×11, T 1	1m	7,440	10m	49,570

Cat. Number	Tube Φ ID×OD & Thick mm	Price, ₩ m/dh. pk		Price, ₩ Roll	
TUB.Pt020	Φ10×12, T 1	1m	8,050	10m	53,630
TUB.Pt021	Φ11×13, T 1	1m	8,780	10m	58,500
TUB.Pt022	Φ12×14, T 1	1m	9,750	10m	65,000
TUB.Pt023	Φ14×16, T 1	1m	11,340	10m	75,570
TUB.Pt024	Φ15×17, T 1	1m	16,340	10m	108,880
TUB.Pt025	Φ16×18, T 1	1m	17,440	10m	116,190
TUB.Pt026	Φ18×20, T 1	1m	19,020	10m	126,750
TUB.Pt027	Φ20×22, T 1	1m	23,170	10m	154,380
TUB.Pt028	Φ25×27, T 1	1m	29,250	10m	195,000

Articles | Cat. No | Description




(1) & (2) PFA-Tubing



(3) id Φ0.3/0.4/0.5mm,
Micro PFA Tubing

Translucent PFA Tubing, Chemically Inert and Ideal for High-Temp, id Φ2~Φ16mm
Good for Almost Chemicals and Low Pressure, Tough, −200℃+260℃, PFA 투명성 테프론 튜빙

- ***PFA : High-molecular "PerFluoroAlkoxy copolymer" Transparent.***
- ***The Best Stability of Chemicals · Temperature · Electricity.***
- ***Anti-Adhesive Surface and Very Low Water Absorption.***
- ***Can be Sterilized by Autoclaving / Gas / Dry Heat/ Disinfectants.***

※ **Subdivided "m-unit" Selling!**

(1) Standard-type, 0.5~1.0mm thick Wall, id Φ2~Φ16mm

〈L1〉

Cat. No	Description	m/dh.pk.	Price, ₩	Roll.	Price, ₩
TUB.Pf011	Tubing, PFA, id/od-Φ2/3 ×thick-0.5±0.05mm	1m	3,800	10m	25,290
TUB.Pf012	-Φ2.5/4 × -0.75±0.05mm	1m	5,040	10m	33,580
TUB.Pf013	-Φ3/4 × -0.5±0.05mm	1m	3,800	10m	25,290
TUB.Pf014	-Φ4/5 × -0.5±0.05mm	1m	12,630	10m	84,150
TUB.Pf015	, id/od-Φ4/6 ×thick-1.0±0.05mm	1m	9,250	10m	61,630
TUB.Pf016	-Φ6/8 × -1.0±0.08mm	1m	12,220	10m	81,390
TUB.Pf017	-Φ8/10 × -1.0±0.08mm	1m	16,020	10m	106,680
TUB.Pf018	-Φ9/10 × -0.5±0.08mm	1m	26,080	10m	173,830
TUB.Pf020	, id/od-Φ10/12×thick-1.0±0.10mm	1m	21,040	10m	140,250
TUB.Pf021	-Φ12/14× -1.0±0.10mm	1m	48,390	10m	322,580
TUB.Pf022	-Φ13/15× -1.0±0.10mm	1m	54,700	10m	364,650
TUB.Pf023	-Φ14/16× -1.0±0.10mm	1m	56,820	10m	378,680
TUB.Pf024	-Φ16/18× -1.0±0.10mm	1m	63,120	10m	420,750

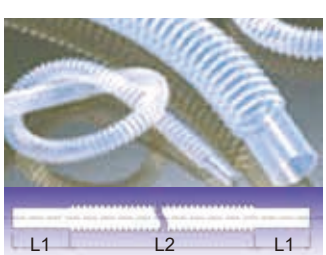
(2) Inch-type, 1.5~2.18mm thick Wall, id Φ6.53~Φ35.64mm

Cat. No	Description	m/dh.pk.	Price, ₩	Roll.	Price, ₩
TUB.Pf033	Tubing, PFA, 3/8″ , id/od-Φ6.53/9.53 ×thick-1.5±0.127mm	1m	23,150	10m	154,280
TUB.Pf034	, 1/2″ , -Φ9.7/12.7 × -1.5±0.127mm	1m	31,570	10m	210,380
TUB.Pf035	, 3/4″ , -Φ16.05/19.05× -1.5±0.127mm	1m	54,700	10m	364,650
TUB.Pf036	, 1″ , -Φ22.40/25.40× -1.5±0.127mm	1m	75,740	10m	504,900
TUB.Pf037	, 1-1/4″, -Φ28.40/32 × -1.80±0.127mm	1m	189,340	10m	1,262,250
TUB.Pf038	, 1-1/2″, -Φ35.64/40 × -2.18±0.203mm	1m	271,580	10m	1,810,500

〈L2〉

(3) Micro-type, 0.1mm thick Wall, id Φ0.3~Φ0.5mm

Cat. No	Description	m/dh.pk.	Price, ₩	Roll.	Price, ₩
SL.Tub4113	Tubing, PFA, Micro, id/od-Φ0.3/0.5×thick-0.1mm	1m	8,080	10m	74,680
SL.Tub4114	-Φ0.4/0.6× -0.1mm	1m	7,620	10m	70,230
SL.Tub4115	-Φ0.5/0.7× -0.1mm	1m	7,620	10m	70,230



Flexible PFA Tubing

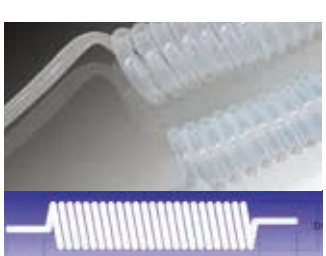
Flexibly Translucent PFA Tubing, Chemically Inert and Ideal for High-Temp, id Φ5.32~Φ17.6mm
Good for Almost Chemicals & Gas-Line, −200℃+260℃, Length 1.2 & 1.8m, 플렉시블 PFA 투명성 튜빙

- ***Made in Korea***
- ***PFA : High-molecular "PerFluoroAlkoxy copolymer" Transparent.***
- ***The Best Stability of Chemicals · Temperature · Electricity.***
- ***Anti-Adhesive Surface and Very Low Water Absorption.***
- ***Can be Sterilized by Autoclaving / Gas / Dry Heat / Disinfectants.***

∗ The Length of Straight Part, L1 : 10cm

〈L1〉

Cat. No	Description	Ea.	Price, ₩
TUB.Pf041	Tubing, Flex-PFA, 1/4″, id/od-Φ5.32 / 6.35 ×thick-0.5mm, Total-L1.2m	1.2m	255,000
TUB.Pf042	-L1.8m	1.8m	382,500
TUB.Pf043	, 3/8″, id/od-Φ8.53 / 9.53 ×thick-0.5mm, Total-L1.2m	1.2m	285,600
TUB.Pf044	-L1.8m	1.8m	428,400
TUB.Pf045	, 1/2″, id/od-Φ11.7 / 12.7 ×thick-0.5mm, Total-L1.2m	1.2m	326,400
TUB.Pf046	-L1.8m	1.8m	489,600
TUB.Pf047	, 3/4″, id/od-Φ17.6 / 19.05×thick-0.7mm, Total-L1.2m	1.2m	438,600
TUB.Pf048	-L1.8m	1.8m	657,900



PFA Coil Tubing, Highly Flexible

High-Flexible PFA Coil Tubing, Translucent, Chemically Inert and Ideal for High-Temp, id Φ2.17~Φ9.53mm
Good for Almost Chemicals & Gas-Line, −200℃+260℃, Tensile Length 1.7& 7.5m, 플렉시블 PFA 코일 튜빙

- ***Made in Korea***
- ***PFA : High-molecular "PerFluoroAlkoxy copolymer" Transparent.***
- ***The Best Stability of Chemicals · Temperature · Electricity.***
- ***Anti-Adhesive Surface and Very Low Water Absorption.***
- ***Can be Sterilized by Autoclaving / Gas / Dry Heat / Disinfectants.***

∗ The Length of Straight Part, L1 : 10cm ∗ The Outside Dia of Coil Part : approx Φ30~100mm

〈L1〉

Cat. Number	PAF Flex-Coil Tubing, Type		Flex-Coil Part, L2		Working Pressure	Total Length, m		Price, ₩ Ea.
	Type	ID×OD Φ& Thick. mm	Coil Q'ty	OD×Length		Nominal	Tensile	
TUB.Pf051	1/8″	Φ2.17×3.17, T 0.50	25ea	Φ30×L100mm	10kgf/cm²	0.30m	up to 1.7m	76,500
TUB.Pf053	1/4″	Φ4.35×6.35, T 1.00	25ea	Φ40×L150mm	8kgf/cm²	0.35m	up to 2.7m	114,750
TUB.Pf055	3/8″	Φ6.35×9.53, T 1.50	25ea	Φ60×L200mm	6kgf/cm²	0.40m	up to 4.5m	153,000
TUB.Pf057	1/2″	Φ9.53×12.7, T 1.58	25ea	Φ100×L250mm	5kgf/cm²	0.45m	up to 7.5m	637,500

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description


Clear Urethane Tubing

Transparent Polyurethane Tubing, ideal for High-Purity Work, id Φ2~Φ8mm
With Low-temp Flexibility, Clear, −56℃+80℃, 플렉시블 우레탄 튜빙

∗ Resistance to High impact, Atmospheric Ozone and Hydrolytic Degradation.
∗ Excellent Chemical Resistance to Fuels, Oils, and Some Solvents(not for Aqueous Solvents).

〈L3〉

		Roll.	Price, ₩
TUB.Pu011	Tubing, Urethane, id/od-Φ2.0/4.0×thick-1mm	10m	3,090
TUB.Pu012	-Φ4.0/6.0× -1mm	10m	4,480
TUB.Pu013	-Φ5.0/8.0× -1.5mm	10m	6,590
TUB.Pu014	-Φ6.5/10 × -1.75mm	10m	10,080
TUB.Pu015	-Φ8.0/12 × -2mm	10m	12,930



Tygon® Crystal Clear Laboratory Tubing, E-3603, id Φ0.8~Φ12.7mm
With Excellent Chemical Resistance, Flexible, Autoclavable, 15m/Roll, <USA-Made> 타이곤 실험실용 튜브

■ ***Non-DEHP, Non-Phthalate Plasticizer, Bio-based Polymer Blend Tubing***
■ ***Ideal for Peristaltic pumps, Vents or Drain Lines.***
■ ***Excellent Chemical Resistance and High Clear & Flexible Tubing.***
∗ Meets USP Class VI and FDA Criteria Typical Applications
∗ Handles Virtually all Inorganic Laboratory Chemicals.
∗ Nonoxidizing, Nonaging and Noncontaminating.
∗ Durometer Hardness : Shore A, 55. Resist Dry Heat to 70℃.
∗ Flexible and Long-lasting Tubing.
∗ with 3' Interval Foot Markings.

(1) Standard Wall

〈L3〉

		Roll.	Price, ₩
NO.ACF00001	Tygon Tube, id/od-Φ0.8/2.4 ×thick-0.8mm	15m	47,250
NO.ACF00002	-Φ1.6/3.2 × -0.8mm	15m	53,280
NO.ACF00004	-Φ2.4/4.0 × -0.8mm	15m	64,600
NO.ACF00006	-Φ3.2/4.8 × -0.8mm	15m	64,600
NO.ACF00010	-Φ4.0/7.1 × -1.55mm	15m	113,050
NO.ACF00012	-Φ4.8/7.9 × -1.55mm	15m	68,690
NO.ACF00017	-Φ6.4/9.5 × -1.55mm	15m	74,250
NO.ACF00022	-Φ7.9/11.1 × -1.6mm	15m	96,900
NO.ACF00027	-Φ9.5/12.7 × -1.6mm	15m	106,550
NO.ACF00032	-Φ11.1/14.3× -1.6mm	15m	151,850
NO.ACF00036	-Φ12.7/15.9× -1.6mm	15m	138,850

(2) Thick Heavy Wall

		Roll.	Price, ₩
NO.ACF00003	Tygon Tube, id/od-Φ1.6/4.8 ×thick-1.6mm	15m	79,640
NO.ACF00005	-Φ2.4/5.6 × -1.6mm	15m	90,230
NO.ACF00007	-Φ3.2/6.4 × -1.6mm	15m	68,690
NO.ACF00014	-Φ4.8/11.1 × -3.15mm	15m	203,450
NO.ACF00018	-Φ6.4/11.1 × -2.35mm	15m	121,230
NO.ACF00019	-Φ6.4/12.7 × -3.15mm	15m	157,420
NO.ACF00024	-Φ7.9/14.3 × -3.2mm	15m	229,070
NO.ACF00028	-Φ9.5/14.3 × -2.4mm	15m	148,840
NO.ACF00029	-Φ9.5/15.9 × -3.2mm	15m	174,490
NO.ACF00038	-Φ12.7/19.1× -3.2mm	15m	190,280
NO.ACF00039	-Φ12.7/20.6× -3.95mm	15m	702,040



Tygon® Tubing with Inert Teflon(FEP) Liner, SE-200, Hardness-Shore A 67, id Φ3.2~Φ12.7mm
For Strong Chemicals, Flexible Crystal Clear, Non-autoclavable, <USA-Made> 타이곤 불활성 튜브

■ ***Complies with U.S. Pharmacopia Class VI.***
■ ***Inert Fluoropolymer FEP Liner ⇒ Ultimate in Chemical Resistance***
∗ Odor/Taste-Free, Important in Food/Beverage Analysis.
∗ Improved Flexibility when Compared to Rigid Fluoropolymer Tubing
∗ Durometer Hardness : Shore A, 66. Resist Dry Heat to 70℃.
∗ Crystal Clarity ∗ Non-contaminating Fluid Path
∗ Subdivided "m-unit" Selling *!*

〈L3〉

		m/dh.pk.	Price, ₩	Roll.	Price, ₩
NO.AJD00007	Tygon Tube, FEP, id/od-Φ3.2/6.4 ×thick-1.6mm	1m	26,690	15m	266,800
NO.AJD00012	-Φ4.8/7.9 × -1.55mm	1m	29,920	15m	299,090
NO.AJD00017	-Φ6.4/9.5 × -1.55mm	1m	41,540	15m	415,270
NO.AJD00028	-Φ9.5/14.0 × -2.25mm	1m	53,720	15m	537,040
NO.AJD00038	-Φ12.7/19.0× -3.15mm	1m	99,420	15m	994,030

Articles	Cat. No	Description



Bochem® Tubing Clamp Forceps, Stainless-steel #430, L140~180mm
With Ridges at the Top(Serrated), Rust-proof, Finished Surface, <Germany-Made> 튜빙 클램프 포셉 〈L1〉

		Ea.	Price, ₩
BC.2291	Tubing Clamp Forceps, Serrated, Straight, L140mm, Blade L40mm		25,340
BC.2292	, L160mm, Blade L45mm		28,240
BC.2293	, L180mm, Blade L55mm		31,900



Tubing Clamp, Nickel-plated Steel, Up to Φ13mm Tubing
Pinchcock, Mohr-type, Strong Self-closing, 핀치콕 튜빙 클램프

〈L1〉

■ *Made in Korea*

		Ea.	Price, ₩
SL.CI7350	Pinchcock, up to od Φ13mm Tubing		3,100



Bochem® Tubing Clamp, Nickel-plated Brass, Pinchcock Mohr Type, Up to Φ40mm Tubing
〈L1〉

■ *Supplied by Bochem® in Germany*

		Ea. Price,₩			Ea. Price,₩
BC.12519	Mohr Cock, L40, up to od Φ15mm	6,140	BC.12522	Mohr Cock, L70, up to od Φ35mm	8,730
BC.12520	, L50, up to od Φ25mm	6,830	BC.12523	, L80, up to od Φ40mm	9,900
BC.12521	, L60, up to od Φ30mm	7,630			



Bochem® Premium Tubing Screw Clamp, Pinchcock Hoffmann Type, with Flap
Nickel-plated Brass, Up to Φ35mm Tubing, 튜빙 스크류 클램프

〈L1〉

■ *Supplied by Bochem® in Germany*

		Ea. Price,₩			Ea. Price,₩
BC.12530	Hoffmann Cock, up to od Φ7mm	9,330	BC.12533	Hoffmann Cock, up to od Φ20mm	12,380
BC.12531	, up to od Φ12mm	10,550	BC.12534	, up to od Φ25mm	13,180
BC.12532	, up to od Φ15mm	11,350	BC.12535	, up to od Φ35mm	14,930

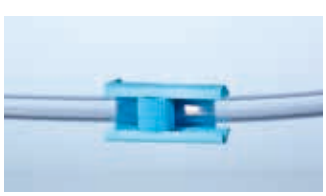


Tubing Screw Clamp, Hoffmann Type, with Flap
Brass with Chromed, Up to Φ50mm Tubing, 튜빙 스크류 클램프

〈L1〉

■ *Supplied by SciLab Korea*

		Ea. Price,₩			Ea. Price,₩
SL.Cla7301	Hoffmann Cock, up to odΦ12mm	4,930	SL.Cla7305	Hoffmann Cock, up to odΦ30mm	9,140
SL.Cla7302	, up to odΦ17mm	5,380	SL.Cla7306	, up to odΦ40mm	9,640
SL.Cla7303	, up to odΦ20mm	5,680	SL.Cla7307	, up to odΦ50mm	21,420
SL.Cla7304	, up to odΦ25mm	8,550			

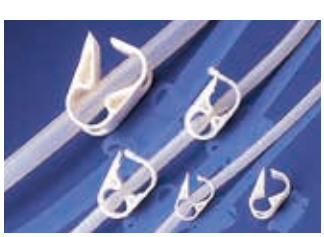


DURAN® Plastic Tubing Clamp, POM for up to O.D 4.5~14mm Tubes
With Color Code, KT-model, KECK® 플라스틱 튜빙-클램프

〈L6〉

■ *Supplied by DURAN® in Germany*

		Ea. Price,₩	Pk.	Price, ₩
SM.28633810	Clamp, KT, up to - Φ4.5mm, Red	5,150	10ea	51,430
SM.28633820	- Φ6.0mm, Yellow	7,720	10ea	77,080
SM.28633830	- Φ10mm , Blue	8,000	10ea	80,000
SM.28633840	- Φ14mm , Red	8,270	10ea	82,530



Burkle® Squeeze-Fix Hose Clamp, Acetal, Permanently Elastic, L25~55mm
For O.D 1~15mm Hose, One Hand Operation, Hygienic, Autoclavable, 압박 호스 클램프

〈L1〉

■ *Supplied by Burkle® in Germany*
■ *Squeeze in Phases or Completely Compress the Hose, as required.*

		Ea. Price, ₩	Cs. Price, ₩
BK.8618.0001	Acetal Squeeze Hose Clamp, for Φ1~ 5mm Hose, L25mm	1,770	100ea
BK.8618.0002	, for Φ3~10mm Hose, L40mm	4,450	100ea
BK.8618.0003	, for Φ6~15mm Hose, L55mm	6,520	100ea



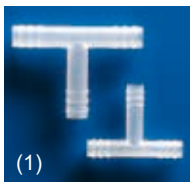
Stainless-steel Tubing Band, with Adjusting Screw Nut, Grip Φ6~250mm
Good for Heavy-Duty, Rustless, Thickness : 0.6 & 0.7mm, 스텐 튜빙 밴드

〈B3〉

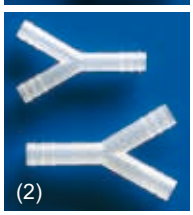
		Pk. Price,₩			Pk. Price,₩
0338-403	Width 8, Grip-Φ6~16mm	10ea 1,930	0338-411	Width 14, Grip-Φ26~50mm	10ea 4,540
0338-405	-Φ6~22mm	10ea 1,930	0338-415	-Φ40~76mm	10ea 5,310
0338-407	Width 13, Grip-Φ11~25mm	10ea 3,670	0338-420	-Φ80~125mm	10ea 9,490
0338-408	-Φ13~32mm	10ea 3,970	0338-424	-Φ150~178mm	10ea 12,160
0338-409	-Φ13~38mm	10ea 4,080	0338-425	-Φ190~220mm	10ea 15,120
			0338-426	-Φ220~250mm	10ea 16,670

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description

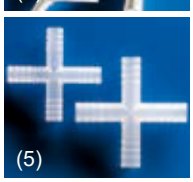

(1)

Kartell® PP Tubing Connector, "T" · "Y" · "L" · "120° Y" · 4 way · Straight-type
Suitable for Foodstuff, Autoclavable, −10℃+125/140℃ Stable, <Italy-Made> PP 튜빙 커넥터


(2)


(3)


(4)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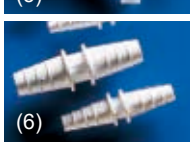

(6)

■ Meet with the Food and Drug Regulations-CEE / FDA / CFR
* Made of Polypropylene(PP), Autoclavable, -10℃+125/140℃
* Excellent chemical and temperature resistant. With serrations to hold tubing tightly and prevent slipping.
* Useful for any tubing system and vacuum line.
* a Package of 100 Pcs.

<L1>

(1) "T"-untapered Connectors

		Ea. Price,₩
KA.459	Connector, PP, T-type, tube od Φ4mm	950
KA.460	, tube od Φ6mm	1,250
KA.461	, tube od Φ8mm	1,340
KA.462	, tube od Φ10mm	1,640
KA.463	, tube od Φ12mm	1,970
KA.520	, tube od Φ14mm	2,280
KA.521	, tube od Φ16mm	2,580

(2) "Y"-untapered Connectors

		Ea. Price,₩
KA.464	Connector, PP, Y-type, tube od Φ4mm	1,420
KA.465	, tube od Φ6mm	1,870
KA.466	, tube od Φ8mm	2,070
KA.467	, tube od Φ10mm	2,450
KA.468	, tube od Φ12mm	2,800
KA.525	, tube od Φ14mm	3,190
KA.526	, tube od Φ16mm	3,640

(3) "L"-untapered Connectors

		Ea. Price,₩
KA.1250	Connector, PP, L-type, tube od Φ4mm	840
KA.1251	, tube od Φ6mm	840
KA.1252	, tube od Φ8mm	990
KA.1253	, tube od Φ10mm	990
KA.1254	, tube od Φ12mm	1,320
KA.1255	, tube od Φ14mm	1,520
KA.1256	, tube od Φ16mm	2,040

(4) "120° Y"-tapered Connector

		Ea. Price,₩
KA.527	Connector, PP, 120°, tube od Φ4~6mm	2,800
KA.528	, tube od Φ6~8mm	3,190
KA.529	, tube od Φ8~10mm	3,640
KA.530	, tube od Φ10~12mm	3,730
KA.531	, tube od Φ12~14mm	4,400
KA.532	, tube od Φ14~16mm	5,090

(5) 4 Way-untapered Connectors

		Ea. Price,₩
KA.1410	Connector, PP, 4-way, tube od Φ4mm	2,920
KA.1411	, tube od Φ6mm	3,050
KA.1412	, tube od Φ8mm	3,230
KA.1413	, tube od Φ10mm	3,780
KA.1414	, tube od Φ12mm	4,070
KA.1415	, tube od Φ14mm	3,980
KA.1416	, tube od Φ16mm	4,580

(6) Tapered Straight Connectors

		Ea. Price,₩
KA.510	Connector, PP, Straight, tube od Φ4~6mm	1,250
KA.511	, tube od Φ6~8mm	1,440
KA.512	, tube od Φ8~10mm	1,970
KA.513	, tube od Φ10~12mm	2,180
KA.514	, tube od Φ12~14mm	2,450
KA.515	, tube od Φ14~16mm	2,930



Kartell® PP Un-equal Tapered Straight Connector, Autoclavable, for Different Diameter Tubing
Suitable for Foodstuff, −10℃+125/140℃ Stable, <Italy-Made> 직경이 각기 다른 튜빙을 연결하는 커넥터

<L1>

* Made of Polypropylene(PP), -10℃+125/140℃

		Ea. Price,₩
KA.877	Connector, PP, Unequal, tube od Φ4,6,8 / 10,12mm	3,050
KA.878	, tube od Φ4,6,8 / 12,14,16mm	3,320
KA.879	, tube od Φ8,10,12 / 14,16mm	3,700



Kartell® PE Separable 2 Pcs, Non-Autoclavable, Quick Disconnector-Tapered, Φ 4~16mm
Suitable for Foodstuff, −40℃+110℃, <Italy-Made> PE 2pcs 분리형 커넥터

<L1>

		Ea. Price,₩
KA.434	Connector, Separable, Φ4~6mm	2,250
KA.435	, Φ6~8mm	2,670
KA.436	, Φ8~10mm	3,100

		Ea. Price,₩
KA.535	Connector, Separable, Φ10~12mm	3,090
KA.536	, Φ12~14mm	3,730
KA.537	, Φ14~16mm	4,070


Universal PP Connector

VITLAB® PP Universal Connector, Transparent, Autoclavable, −10℃+125/140℃
For Wide Variety of Φ 5~15mm Tubing, <Germany-Made> PP 만능 연결관, 소~대 직경 튜빙용

<L1>

* Made of Polypropylene(PP), -10℃+125/140℃

		Ea. Price,₩	Cs.	Price, ₩
VI.787.94	Connector, PP, for tubing with inner Φ 5~15mm	4,420	20ea	85,490

Articles	Cat. No	Description

SciLab® Pure PFA Connector for Flexible Tubing or Melt-Fitting, Tube OD Φ6.35~Φ25.4mm

Ideal for Pure-work · High Temp · Strong Chemicals · Vacuum-line, Translucent, −200℃+280℃ Stable, PFA 튜빙 커넥터



(1) T-type, PFA Connector



(2) 90° Elbow PFA Connector



(3) Reducing PFA Connector

- ■ *Made in Korea*
- ■ *Common-Use : (1) for the Direct Connection of Flexible Tubing such as Rubber Tubing*
  (2) for the Melt-Fitting with Hard PFA Tubing
- ■ *Custom-Made Available*

〈L1〉

(1) T-type, PFA Connector, Tube OD Φ6.35~19.1mm

		Ea. Price, ₩
SL.Con4020	Connector PFA, "T", Tube-od 6.35×id 4.35, L61.5×h34.7mm	22,290
SL.Con4021	-od 9.53×id 6.35, L68.0×h38.8mm	24,230
SL.Con4022	-od 12.7×id 9.7 , L71.6×h41.9mm	25,970
SL.Con4023	-od 19.1×id 16.1, L96.5×h58.6mm	27,900

(2) 90° Elbow PFA Connector, Tube OD Φ6.35~19.1mm

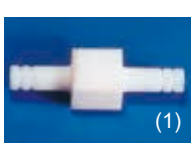
		Ea. Price, ₩
SL.Con4025	Connector PFA, 90°, Tube-od 6.35×id 4.35, L34.7×h34.7mm	20,540
SL.Con4026	-od 9.53×id 6.35, L39.0×h39.0mm	22,290
SL.Con4027	-od 12.7×id 9.7 , L42.0×h42.0mm	24,230
SL.Con4028	-od 19.1×id 16.1, L55.0×h55.0mm	25,970

(3) Reducing PFA Connector, Tube OD Φ9.53→6.35~Φ25.4→19.05mm

		Ea. Price, ₩
SL.Con4031	Connector PFA, Reducer, Tube-od 9.53→6.35 , L75.0mm	22,290
SL.Con4032	-od 12.7→6.35 , L71.0mm	24,230
SL.Con4033	-od 12.7→9.53 , L79.9mm	24,230
SL.Con4034	-od 19.05→12.7, L79.9mm	25,970
SL.Con4035	-od 25.4→12.7 , L80.1mm	27,900
SL.Con4036	-od 25.4→19.05, L87.0mm	27,900

Cowie® PTFE Tubing Connector, Bayonet Fitting, For Flexible Tubing in PTFE · VITON · Silicone Rubber &c.

Excellent Chemical & Temperature Stability, Autoclavable, −200℃+280℃, <UK-Made> PTFE 튜빙 커넥터



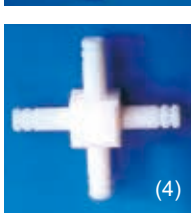
(1)



(2)



(3)



(4)

〈L1〉

(1) PTFE Straight Connector

		Ea. Price,₩			Ea. Price,₩
CW.016.902.5.2	Straight, Arm od Φ4×Bore 2 mm	18,270	**CW.016.904.9.2**	Straight, Arm od Φ9×Bore 4 mm	19,230
CW.016.902.2	, Arm od Φ6×Bore 2 mm	18,270	**CW.016.904.2**	, Arm od Φ10×Bore 4 mm	22,230
CW.016.903.7.2	, Arm od Φ7×Bore 3 mm	19,680	**CW.016.905.2**	, Arm od Φ11×Bore 5 mm	22,230
CW.016.903.2	, Arm od Φ8×Bore 3 mm	19,680			

(2) PTFE 90° Angle Connector

		Ea. Price,₩			Ea. Price,₩
CW.016.1002.5.2	90°, Arm od Φ4×Bore 2 mm	21,840	**CW.016.1004.9.2**	90°, Arm od Φ9×Bore 4 mm	27,280
CW.016.1002.2	, Arm od Φ6×Bore 2 mm	20,640	**CW.016.1004.2**	, Arm od Φ10×Bore 4 mm	26,350
CW.016.1003.7.2	, Arm od Φ7×Bore 3 mm	20,720	**CW.016.1005.2**	, Arm od Φ11×Bore 5 mm	29,220
CW.016.1003.2	, Arm od Φ8×Bore 3 mm	16,640			

(3) PTFE "T"-type Connector

		Ea. Price,₩			Ea. Price,₩
CW.016.1102.5.2	T-type, Arm od Φ4×Bore 2 mm	26,420	**CW.016.1104.9.2**	T-type, Arm od Φ9×Bore 4 mm	28,980
CW.016.1102.2	, Arm od Φ6×Bore 2 mm	26,420	**CW.016.1104.2**	, Arm od Φ10×Bore 4 mm	28,980
CW.016.1103.7.2	, Arm od Φ7×Bore 3 mm	26,420	**CW.016.1105.2**	, Arm od Φ11×Bore 5 mm	32,630
CW.016.1103.2	, Arm od Φ8×Bore 3 mm	26,420			

(4) PTFE 4 Way-type Connector

		Ea. Price,₩			Ea. Price,₩
CW.016.1112.5.2	4 Way, Arm od Φ4×Bore 2 mm	27,520	**CW.016.1114.9.2**	4 Way, Arm od Φ9×Bore 4 mm	30,430
CW.016.1112.2	, Arm od Φ6×Bore 2 mm	27,520	**CW.016.1114.2**	, Arm od Φ10×Bore 4 mm	30,430
CW.016.1113.7.2	, Arm od Φ7×Bore 3 mm	27,520	**CW.016.1115.2**	, Arm od Φ11×Bore 5 mm	35,530
CW.016.1113.2	, Arm od Φ8×Bore 3 mm	27,520			

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



Bochem® Tube Cutting Scissors, High Grade Stainless-steel, with PP Handle, L125mm

For Cutting Tube, Finished Surface, Cuts Tubes up to Φ10mm, <Germany-Made> 튜브 절단용 가위, 독일제, 비자성/비부식

■ ***High Grade Stainless-steel of 18/10 Cr-Ni; 비자성, 비부식, 내산성 / 내약품성 / 내열성-우수***
; Non-magnetic, Rust-free, Excellent Resistance to Acid / Chemicals / Heat

<L1>

Cat. No	Description	Ea.	Price, ₩
BC.4252	Scissors, for Cutting Tubes, Stainless-steel, L125mm, Blade L40mm		62,990

KDY 플라스틱 파이프 커터, Plastic Pipe Cutter, Ex; PP, PTFE, PVC, etc. 다국적



∗ Aluminium Unit, Locking Function
∗ Teflon Coated.

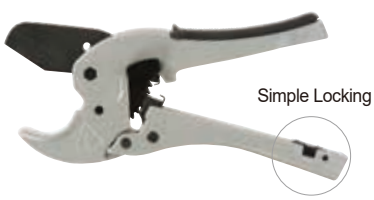
(1) Standard Type, Grip max Φ36mm



<B3>

ORDER NO.	MODEL NO.	규격(mm)	포장단위 Ea. / Pk.	PRICE, ₩ Ea.
0477-514	KAP-200	200	1 / 10	5,490

(2) Ratchet Type, Grip max Φ42mm, "One-Touch-Open"



ORDER NO.	MODEL NO.	규격(mm)	포장단위 Ea. / Pk.	PRICE, ₩ Ea.
0477-515	KVP-42	225	1 / 10	11,280

DAIHAN® Analog Ultrasonic Cleaner "WUC-A", Timer/Temp Output Controller, with Certi. & Traceability, 1.2~22 Lit

With Stainless-steel Flat Lid, Highly Effective Cleaning, up to 85℃, 0~30min, 40kHz Frequency, without Basket

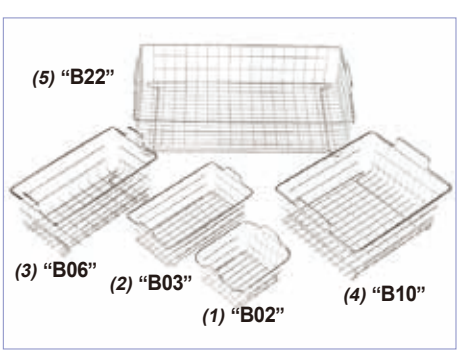
초음파 세척기, 온도 및 시간 설정, 고효율, 다용도, 리드 포함



10 Lit Analog Ultrasonic Cleaner with Flat Lid "WUC-A10"



1.2 & 6 Lit Analog Ultrasonic Cleaner with Flat Lid "WUC-A01 & WUC-A06"



Stainless-steel Wire Basket (Optional)



(6) Fine Mesh Strainer

- ***Supplied by DAIHAN Korea*** ■ ***CE Certified***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
- ***Made of Stainless-steel, Finished Surface***
- ***Analog Controller, Timer, Temperature and Output Control***
- ***PL (Product Liability) Insurance***

* Useful for Cleaning to Remove Dirt, Grease, Waxes and Oil from all Lab Instruments by Ultrasonic Frequency
* Made of Stainless-steel, Finished Surface
* Analog Controller, Timer, Temperature and Output Control
* Temperature Range from Ambient to 85℃. (1.2 & 1.8 Lit : 65℃ Fixed)
* Convenient Preset Function : Heating and Timer
* HF-Frequency : 40kHz
* Bottom-Mounted Drain (WUC-A10 and WUC-A22)
* Maximum 30 minutes of Cleaning Time (Except WUC-A10)

Specifications & Ordering information

<L1>

Spec. \ Model	"WUC-A01" Max. Capa. 1.2 Lit	"WUC-A02" Max. Capa. 1.8 Lit	"WUC-A03" Max. Capa. 3.3 Lit	"WUC-A06" Max. Capa. 6 Lit	"WUC-A10" Max. Capa. 10 Lit	"WUC-A22" Max. Capa. 22 Lit
Capacity	1.2 Lit	1.8 Lit	3.3 Lit	6 Lit	10 Lit	22 Lit
Frequency	40KHz					
HF-Peak Out	72 W	75 W	124 W	168 W	265 W	379 W
Heating Temp	65℃ Fixed	65℃ Fixed	ambient to 85℃	ambient to 85℃	ambient to 85℃	ambient to 85℃
Heating Power	55 W	55 W	110 W	110 W	240 W	320 W
Timer	None	0~30 min.	0~40 min.	0~40 min.	0~40 min.	0~40 min.
Drain-Valve	None	None	None	None	1/2″ NPT	1/2″ NPT
Tank Size inner (w×d×h) (mm)	150×135×60	150×135×100	240×140×100	290×150×150	290×240×150	500×300×150
Weight	1.7 kg	2.7 kg	4.4 kg	5.7 kg	7.8 kg	12 kg
Packing Dimension (w×d×h) (mm)	200×200×190	200×200×240	320×200×290	370×220×350	430×320×360	640×380×370
Gross Weight	2.1 kg	3.1 kg	5 kg	6.7 kg	9.4 kg	14.3 kg
Power Consumption	117 W	117 W	230 W	280 W	528 W	739 W
Electrical Reqts.	1 Phase, AC 120 V, 60 Hz or AC 230 V, 50 / 60 Hz					
Cat. No. 230V	DH.WUC.A01H	DH.WUC.A02H	DH.WUC.A03H	DH.WUC.A06H	DH.WUC.A10H	DH.WUC.A22H
Cat. No. 120V	DH.WUC.A101H	DH.WUC.A102H	DH.WUC.A103H	DH.WUC.A106H	DH.WUC.A110H	DH.WUC.A122H
Price, Each. ₩	205,000	279,000	463,000	782,000	1,054,000	1,485,000

* Other Specifications are available upon Customer's Request.

Optional Stainless-steel Wire Basket

		Ea. Price, ₩
DH.WUC.B02	(1) Basket, Wire, **"B02"**, for 1.8 Lit, 144×131×h92mm	54,000
DH.WUC.B03	(2) , **"B03"**, for 3.3 Lit, 224×128×h83mm	65,000
DH.WUC.B06	(3) , **"B06"**, for 6 Lit, 267×136×h126mm	77,000
DH.WUC.B10	(4) , **"B10"**, for 10 Lit, 276×218×h132mm	87,000
DH.WUC.B22	(5) , **"B22"**, for 22 Lit, 467×275×h131mm	108,000
DH.WUC.B100	(6) Fine Mesh Strainer, **"B100"**, for "WUC-A", Φ100mm	5,690

※ The Price(VAT is extra) for Korean End-user, and Changeable.

DAIHAN® Digital Ultrasonic Cleaner-set "WUC-D", Microprocessor Control, 3.3~22 Lit

With Stainless-steel Wire Basket & Flat Lid, Highly Effective Cleaning, up to 80℃, 0~60min, 40kHz Frequency

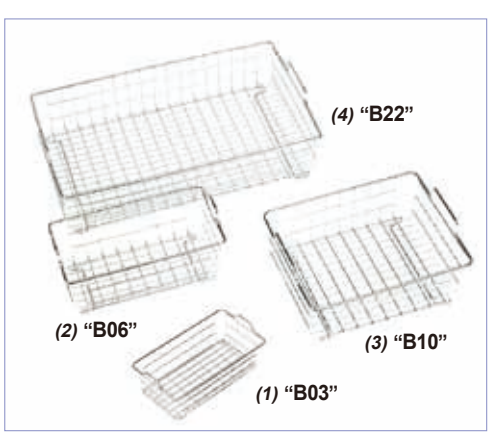
디지털 초음파 세척기 세트, 와이어 바스켓 및 리드 포함, 마이크로프로세서 제어



10 Lit Digital Ultrasonic Cleaner Set, "WUC-D10H" with Flat Lid and Wire Basket



3.3 Lit Digital Ultrasonic Cleaner Set, "WUC-D03H" with Flat Lid and Wire Basket



Stainless-steel Wire Basket (included)



(5) Fine Mesh Strainer

- ***Supplied by DAIHAN Korea*** ■ ***CE Certified***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
- ***Useful for Cleaning to Remove Dirt, Grease, Waxes and Oil from all Lab Instruments by Ultrasonic Frequency***
- ***Microprocessor Control : Timer, Temperature and Output Control***
- ***PL (Product Liability) Insurance***

* Useful for Cleaning to Remove Dirt, Grease, Waxes and Oil from all Lab instruments by Ultrasonic Frequency
* Microprocessor Control : Timer, Temperature and Output Control
* Multi-Frequency Sonication Body
* HF-Frequency : 40kHz
* Temperature Range from Ambient to 80℃
* Convenient Preset Function : Heating and Timer
* Drain is mounted in the bottom (WUC-D10H, WUC-D22H)
* Maximum 60 minutes of Cleaning Time
* Very Strong Cleansing Degassing & Sweep Function

Specifications & Ordering information

〈L1〉

Spec. \ Model	"WUC-D03H" Max. Capa. 3.3 Lit	"WUC-D06H" Max. Capa. 6 Lit	"WUC-D10H" Max. Capa. 10 Lit	"WUC-D22H" Max. Capa. 22 Lit
Capacity	3.3 Lit	6 Lit	10 Lit	22 Lit
Frequency	40kHz	40kHz	40kHz	40kHz
HF-peak out	100W	253W	407W	528W
Heat Temp	ambient to 80℃	ambient to 80℃	ambient to 80℃	ambient to 80℃
Heating Power	172W	172W	258W	344W
Timer	0~30 min.	0~60 min.	0~60 min.	0~60 min.
Display	FND			
Drain-valve	None	None	1/2″ NPT	1/2″ NPT
Tank Size inner (w×d×h) (mm)	240×140×100	290×150×150	290×240×150	500×300×150
Weight net	3.4 kg	5.8 kg	8 kg	12.9 kg
Packing Dimension (w×d×h) (mm)	320×200×290	360×220×350	440×320×360	640×380×370
Gross Weight	3.7 kg	6.3 kg	8.5 kg	13.4 kg
Power Consumption	290W	425W	665W	872W
Electrical Reqts.	1 Phase, AC 120 V, 60 Hz or AC 230 V, 50 / 60 Hz			

Cat. No.	**230V**	**DH.WUC.D03H**	**DH.WUC.D06H**	**DH.WUC.D10H**	**DH.WUC.D22H**
	120V	**DH.WUC.D103H**	**DH.WUC.D106H**	**DH.WUC.D110H**	**DH.WUC.D122H**
Price, Each. ₩		620,000	984,000	1,268,000	1,825,000

*** Other Specifications are available upon Customer's Request.**

Spare Wire Basket, Stainless-steel

		Ea. Price, ₩
DH.WUC.B03	(1) Basket, Wire, **"B03"**, for 3.3 Lit, 224×128×h83mm	65,000
DH.WUC.B06	(2) , **"B06"**, for 6 Lit, 267×136×h126mm	77,000
DH.WUC.B10	(3) , **"B10"**, for 10 Lit, 276×218×h132mm	87,000
DH.WUC.B22	(4) , **"B22"**, for 22 Lit, 467×275×h131mm	108,000
DH.WUC.B100	(5) Fine Mesh Strainer, **"B100"**, for "WUC-D", Φ100mm	5,690

DAIHAN® Large Capacity Ultrasonic Cleaner-set "WUC-N", Remote Control System, 30~74 Lit

With Digital Remote Generator · Stainless-steel Flat Lid · Drain Valve, Highly Effective Cleaning, without Basket, up to 105℃, 40kHz

대용량 초음파 세척기 세트, 리모트 제너레이터 · 리드 · 드레인 밸브 포함

CE

2-Year Warranty



47 Lit Large Capacity Ultrasonic Cleaner-set Without Basket "WUC-N47H"



Stainless-steel Wire Basket (Optional)

- ***Supplied by DAIHAN Korea*** ■ ***CE Certified*** ■ ***PL (Product Liability) Insurance***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
- ***Useful for Cleaning to Remove Dirt, Grease, Waxes and Oil from all Lab Instruments by Ultrasonic Frequency***
- ***Remote Generator : Power Control and Timer Function with LCD***
- ∗ BTL Sonicator Installed : Robust and Stable Running
- ∗ Sweep Function can Realize Complete Cleaning by the Dispersion of Ultrasound
- ∗ Auto Optimization of Frequency as various Water Level and Temperature.
- ∗ Supply Full Set with Lid, Foot Switch and Generator (Basket excluded)
- ∗ Drain is mounted at the bottom

Specifications & Ordering information

〈L1〉

Spec. \ Model		"WUC-N30H" Max. Capa. 30 Lit	"WUC-N47H" Max. Capa. 47 Lit	"WUC-N60H" Max. Capa. 60 Lit	"WUC-N74H" Max. Capa. 74 Lit
Capacity		30 Lit	47 Lit	60 Lit	74 Lit
HF-frequency		40kHz			
Heat Temp		ambient to 105℃			
Heating Power		990W			
Timer (min)		0~99 min.			
Tank Size w×d×h(mm)	Inner	400×300×250	450×350×300	500×400×300	550×450×300
	External	480×380×400	530×430×450	530×430×450	580×480×450
Net Weight		26kg	31kg	36kg	41kg
Packing Size w×d×h(mm)		620×520×640	670×570×710	720×620×710	770×670×710
Gross Weight		32kg	37kg	42kg	47kg
Power Consumption		1,694W	1,980W	2,200W	2,420W
Remote Generator	Display	LCD			
	Power	600W	900W	1,200W	1,500W
	Weight	9kg	10kg	10kg	10kg
Cat. No.	230V	DH.WUC.N30H	DH.WUC.N47H	DH.WUC.N60H	DH.WUC.N74H
	120V	DH.WUC.N130H	DH.WUC.N147H	DH.WUC.N160H	DH.WUC.N174H
Price, Each. ₩		3,508,000	4,072,000	4,495,000	5,025,000

∗ **Other Specifications are available upon Customer's Request.**

Optional Wire Basket, Stainless-steel

		Ea. Price, ₩
SL.Bas7021	Basket, Wire, **"Bas7021"**, for 30Lit, 340×240×h150mm	130,690
SL.Bas7022	, **"Bas7022"**, for 47Lit, 390×290×h200mm	172,450
SL.Bas7023	, **"Bas7023"**, for 60Lit, 440×340×h200mm	204,000
SL.Bas7024	, **"Bas7024"**, for 74Lit, 490×390×h200mm	235,270

NEW



deconex® Ultrasonic Cleaning Special Detergent, 1 & 5Lit

Ideal for Max. Effect of the Ultrasonic Cleaning, Optimum Cleaning Results, **초음파 세척기 전용 세척제**

- ***Made in Switzerland***

∗ Specially Developed for Ultrasonic Applications, Running 5 to 15 minutes for Ultrasonic Cleaning

〈L1〉

Spec. \ Model	(1) "11 Universal" Cleaner		(2) "15 PF-x" Cleaner	(3) "16 PLUS" Cleaner
pH	11.8 at 1%, Mildly Alkaline		11.9 at 1%, Alkaline	Neutral
Ingredients	<With Activated Chlorine> Alkalis, Surfactants, Inorganic Chlorine Carrier		<Phosphate-free> Alkalis, Complexing Agents, Surfactants, Solubilizer	<Not Contain Alkalis> Surfactants, Complexing Agents, Sequestering Agents
Used for	General Contamination, Oily and Greasy Residues, Soot, Ink, and Drilling · Grinding · Polishing · Lapping Residues		General Contamination, Oily and Greasy Residues, Dried Blood, Proteins	Corrosion-Sensitive Laboratory Material and Instruments
Not Suitable for	Aluminium, zinc, tin		Aluminium, zinc, tin	-
Dosage	1~5%		1~5%	3~5%
Cat. No.	1Lit	5Lit	5Lit	5Lit
	DH.Det001	DH.Det002	DH.Det005	DH.Det008
Pk. Price, ₩	39,380	187,500	253,130	206,250

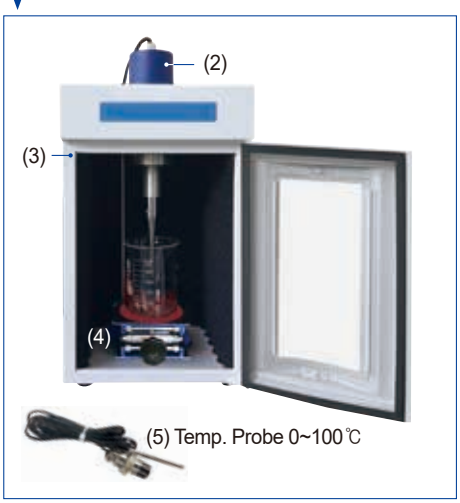
※ The Price(VAT is extra) for Korean End-user, and Changeable.

DAIHAN® Ultrasonic Homogenizer Full Sets, "JY88-IIN" & "JY92-IIN" & "JY98-IIIDN", Up to 1,000㎖, 20-50kHz

With Standard Probe, Automatic Data Storage, Timer(0.1sec~999sec), 디지털 초음파 호모지나이저, 사운드 프로브 박스 & 프로브 포함, 저소음



Ultrasonic Homogenizer Full Sets



Example of Use
※ Beaker is not Included



Spare & Optional Titanium Alloy Probe

- ***Supplied by DAIHAN Korea***
- ***본체, 사운드 프로브 박스, 프로브 세트로 구성되어 경제적이고 편리성이 높음***
- ***사운드 프로브 박스 포함 - 샘플 처리 시 발생하는 소음을 최소화하여 작업 효율성을 높임***
- ***4.3인치 TFT 정전식 터치스크린 제어를 사용하여 쉽게 조작 가능***
- ***Component of Set ;***
  (1) Ultrasonic Generator,
  (2) Sonic System with Standard Horn (Φ6mm for JY88-IIN & JY92-IIN, Φ20mm for JY98-IIIDN),
  (3) Sound Proof Box, (4) Lab Support Jack, (5) Temp. Probe, (6) Power Cable, (7) Fuse, (8) User Manual
- ***Multi-Functional & Multi-Purpose Instrument that Uses Strong Ultrasound to Produce Cavitation Effect in Liquid and Ultrasonically Treat Substances***
- ***Applications : Cell Pulverization, Emulsification, Dispersion, Homogenization, Extraction, Defoaming, Degassing, Acceleration of Chemical Reactions***

* Large LCD Screen & Touch Operation Panel * Power Adjustable
* Realize the Data Display of Man-Machine Friendly Operation Interface at a Glance
* Intelligent Control : Central Computer is used to Control the Total Working Time Centrally
* Strong Sound Insulation - Made of Special Materials, which Greatly Reduces the Noise and Effectively Insulates the Noise
* Durable Probe made by Titanium Alloy Material * Streamlined Appearance Design
* Multiple Models Optional Matching Different Horn with Different Hosts
* Data Storage Function - Can store 20sets of Data, Experimental Data and Convenient Recording
* Liftable Operating Table Set in the Sound Proof Box - Easy to Adjust the Height of the Samples and Take Out
* Can Realize the Voice Alarm Function caused by Malfunction, Over-Temperature or Operation Error

Specifications & Ordering information

〈L1〉

Spec. \ Model	"JY88-IIN"	"JY92-IIN"	"JY98-IIIDN"
Mixing Capacity	0.1-300㎖	0.1-500㎖	1-1000㎖
Power (Continuously Adjustable)	25-250W	10-650W	25-1200W
Frequency Range	20-25kHz		
Probe Included	Φ6mm		Φ20mm
Optional Probe	Φ2mm	Φ2 & Φ12mm	Φ6 & Φ15 & Φ22mm
Single Ultrasound Time	0.1-999s		
Single Gap Time	0.1-999s		
Total Time (Ultrasound + Gap)	1-99h 59m 59s		
Temperature Control Range	0-100℃		
Alarm Function	Temp. Time, Overload, No Load, Over Temperature		
Voice Alarm & Prompt Function	Yes		
Display Mode	Touch Screen		
Data Storage	20 Groups		
Power Supply	220v / 60Hz		
Dimension & Weight	410×225×h290mm, 12kg		410×225×h290mm, 15kg
Packing Size & Gross Weight	470×305×h430mm, 16kg		470×305×h430mm, 19kg
Sound Box Packing Size & Gross Weight	350×350×h550mm, 10kg		
Cat. No.	DH.Hom1001	DH.Hom1002	DH.Hom1003
Price, Set. ₩	2,806,090	3,360,220	5,793,740

Spare & Optional Titanium Alloy Probe

Cat. No.	Probe Size (mm)	Power Range Suitable	Capacity Range	Power Rate	Ea. Price, ₩
DH.Pro7001	Φ2	Power Less than 1000W	0.2-5㎖	1-35%	424,460
DH.Pro7002	Φ6		10-100㎖	1-60%	424,460
DH.Pro7003	Φ12		50-500㎖	20-95%	424,460
DH.Pro7004	Φ15	Power Higher than 1200W	100-600㎖	1-80%	636,680
DH.Pro7005	Φ20		100-1000㎖	10-90%	636,680
DH.Pro7006	Φ22		200-1000㎖	20-95%	636,680



※ Spare Lab Support Jack ⇒ See the "Stands / Supports, Support Jacks" Section !

Articles	Cat. No	Description



4W · 6W · 8W Handy UV Lamp, Long & Short Wavelength, <Japan-Made> 자외선 램프, 소형램프

- ***단파장(254nm) · 장파장(365nm) · 듀얼 3가지 타입, 4W · 6W · 8W 튜브***
- ***Power range : 4W · 6W · 8W Tubes, Single 4W Tube to Two 8W Tubes.(변압기 사용 권장)***
- ***Power Supply : AC100V 50/60Hz(변압기 사용 권장)***
- ***Wavelength range : 254, 365nm and Dual Wavelength Combinations.***

<L2>

(1) 4W Tubes (Dimensions 201×82.3×h65mm, Filter Size 74×47mm)

		Ea.	Price, ₩
SL.Lam7011	UV Lamp, 1×L4W Tube, 365nm		411,650
SL.Lam7014	, 1×S4W Tube, 256nm		487,270
SL.Lam7017	, 1×L4W / 1×S4W Tube, 365 / 254nm		579,680

(2) 6W Tubes (Dimensions 261×82.3×h65mm, Filter Size 154×47mm)

		Ea.	Price, ₩
SL.Lam7012	UV Lamp, 1×L6W Tube, 365nm		571,280
SL.Lam7015	, 1×S6W Tube, 256nm		714,090
SL.Lam7018	, 1×L6W / 1×S6W Tube, 365 / 254nm		856,900

(3) 8W Tubes (Dimensions 336×82.3×h65mm, Filter Size 228×47mm)

		Ea.	Price, ₩
SL.Lam7013	UV Lamp, 2×L8W Tube, 365nm		806,500
SL.Lam7016	, 2×S8W Tube, 256nm		907,320
SL.Lam7019	, 1×L8W / 1×S8W Tube, 365 / 254nm		1,050,130



Custom® Digital UV-intensity Meter, 1999~19,990㎼/㎠
With UV Sensor, 70×25×h131mm, 335g, 디지털 자외선 강도계

* Range : 1,999~19,990㎼/㎠
* Accuracy : ±(4%rdg+2 dgt)
* Wavelength Sensitivity Characteristics : 290-390 nm
* Sampling : 2.5time/sec
* Size : Body 70×25×131mm, Sensor 46×27×168mm, Cord Length 700mm
* Measurement of UVA, UVB is Possible
* Separated Sensor enables you to Measure from Further.

<L2>

		Ea.	Price, ₩
SL.Met3972	"UV340" Meter, Digital, UV-intensity		551,290



Jayu® UV-indicator Dot Label, Φ18mm, 자외선 감시 라벨

* Original Color → Discoloration : UV-L / Clear(White) → Reddish Brown,
  UV-S / Clear(White) → Red
* Labels Change Color by UV and keep Remaining Once Discolored.
* The Back has Special Adhesives so that it can Stick Easily.
* Quantity : 1pack (100sheet)

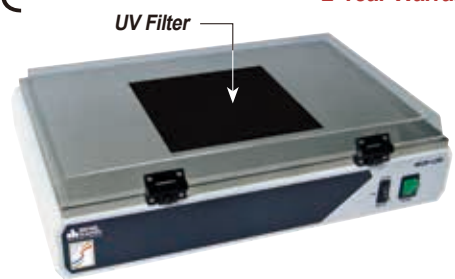
<L2>

		Pk.	Price, ₩
SL.Lab9043	"UV.S" Label UV-indicator Dot, for UV-lamp	100ea	88,600
SL.Lab9044	"UV.L" , Solar	100ea	88,600

※ The Price(VAT is extra) for Korean End-user, and Changeable.

DAIHAN® UV Transilluminator "WUV", Standard- & Compact Case-type, 48W & 90W UV Lamp
With Hinged UV-Blocking Safety Cover, Robust, Versatile, 312 · 365 · 312+365 nm, with Certi. & Traceability
자외선 발산기, 기본형 핵산(DNA, RNA), 스탠다드-/컴팩트-케이스 타입

CE *2-Year Warranty*



(1) Standard Case "WUV-L" Model

CE *2-Year Warranty*



(2) Compact Case "WUV-M" Model

- ***Supplied by DAIHAN Korea*** ■ ***CE Certified*** ■ ***PL(Product Liability) Insurance***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
- ***Low Cost, Robust, Versatile, Affordable & Gentle Excitation***
- ***Hinged UV-Blocking Safety Cover Protects User from UV Radiation***
- ***Stainless-steel Frame and Robust Steel Housing***

∗ Ideal for Standard Gel Documentation and Preparative Work, especially for Detection of very small amount of DNA & RNA Stained by EtBr

∗ Long-Life Electronic (Low Heat, no Flickering) ∗ High (100%) / Low (75%) Intensity Switch

Specifications & Ordering information

〈L1〉

Spec. \ Model		(1) Standard Case-type			(2) Compact Case-type	
		"WUV-L10" Single 365 nm	**"WUV-L20" Single 312 nm**	**"WUV-L50" Dual 365+312 nm**	**"WUV-M10" Single 365 nm**	**"WUV-M20" Single 312 nm**
Filter Size		200×200 mm				
Wave Length		Single 365 nm	Single 312 nm	Dual 365+312 nm	Single 365 nm	Single 312 nm
UV Lamps		15W×6ea (90W)			8W×6ea (48W)	
Power Consumption		95 W			52 W	
Dimension		495×330×h95 mm			350×275×h95 mm	
Weight		10 kg			8 kg	
Packing Size (mm) & Gross Weight (kg)		520×380×h220 mm, 12 kg			380×320×h220 mm, 10 kg	
Electric Reqts.		1 Phase, AC 120V, 60Hz or AC 230V, 50/60Hz				
Cat. No.	**230V**	**DH.WUV00010**	**DH.WUV00020**	**DH.WUV00050**	**DH.WUV00110**	**DH.WUV00120**
	120V	**DH.WUV02010**	**DH.WUV02020**	**DH.WUV02050**	**DH.WUV00210**	**DH.WUV00220**
Price, Each. ₩		968,000	1,372,000	1,174,000	915,000	1,339,000

∗ **Other Specifications are available upon Customer's Request.**

Spare UV Lamp

		Ea. Price, ₩
DH.WUV01010	UV Lamp, 365nm, 15W, for **"WUV-L10/-L50", "UVL365"**	23,800
DH.WUV01020	, 312nm, 15W, for **"WUV-L20/-L50", "UVL312"**	71,300
DH.WUV01110	, 365nm, 8W, for **"WUV-M10", "UVM365"**	23,800
DH.WUV02110	, 312nm, 8W, for **"WUV-M20", "UVM312"**	65,000

TJV® Vacuum Manifolds & Filter Holder Funnel, Ideal for Strong Solvents & HPLC media
With All Stainless-steel & Glass Funnel, Single · 3 · 6-Branch, 진공 매니 폴드 & 필터 홀더



(1) FA0217 SS, Single-Branch, 300㎖ Funnel



(2) FA0211 SS, 3-Branchs, 300㎖ Funnel



(3) FA0212 SS, 6-Branchs, 300㎖ Funnel



(4) FA0214 Glass, 3-Branchs, 300㎖ Funnel



(5) FA0215 Glass, 6-Branchs, 300㎖ Funnel

- ***Ideal for Chemistry Analyze, Biochemical, Pharmaceutical, Sanitation Test, Environment Test, Water Quality Analyze, Beverage and Science Research***
- ***Particular Design and Produce for Several Samples Filtrate at the Same Time***
- ***Single or Manifolds Vacuum Holder Operate Together***
- ***Stainless-steel Nature of the Manifolds Vacuum Holder can Filtrate at 180℃***
- ***High-quality Extra Hard Glass is Elegant in Workmanship, and be to Bear up 200℃***
- ***Type 316L Stainless-steel Resistant to Acids Alkalis, and be Able to bear Corrosion, Easy to High-Temperature Sterilization***
- ***Complete Set with : (1) Glass / Stainless-steel(316L) Funnel of 300㎖.***
  (2) PTFE Support Screen (Pore Size : 20㎛). (3) PTFE valve.
  (4) Glass or Stainless-steel Holder(316L). (5) Clamp of Aluminum alloy.

∗ Each Holder have Individual Control Valve, Convenience in Antisepsis, High Efficiency
∗ Test Three or Six Samples at the Same Time, High Sensitivity, Low False-positive, and Easy to Operation
∗ Suitable Membrane: The Choosing of the Membrane Filter is the Key to the Best Filtration. The Nature of Membrane Filter must Suit for Different Chemical Performance of the Filter Medium. At Present Mostly are PVDF(organic), Synthetic Fabric Colophony Membrane(aqueous), and Nylon Membrane(both aqueous and organic).

Specification

Model	(1) FA0217	(2) FA0211	(3) FA0212	(4) FA0214	(5) FA0215
Specification	1-Branch	3-Branch	6-Branch	3-Branch	6-Branch
Funnel	Stainless-steel 316L of 300㎖			Glass of 300㎖	
Valve	PTFE			PTFE	
Support Screen	Stainless-steel 316L (Pore Size 100㎛)			PTFE (Pore Size 20㎛)	
Connection	Silicone Stopper			Glass Joint	
Holder	Stainless-steel 316L			Stainless-steel 316L	

〈L1〉

(1)~(3) Stainless-steel Manifold, Stainless-steel Base

		Set. Price, ₩
TJ.FA0217	(1) SS Manifolds, 1-Branch, 300㎖ SS Funnel, PTFE Valve, Screen 100㎛, SS Connection with Silicone Stopper	705,600
TJ.FA0211	(2) SS Manifolds, 3-Branchs, 300㎖ SS Funnel, PTFE Valve, Screen 100㎛, SS Connection with Silicone Stopper	1,518,300
TJ.FA0212	(3) SS Manifolds, 6-Branchs, 300㎖ SS Funnel, PTFE Valve, Screen 100㎛, SS Connection with Silicone Stopper	2,375,100

(4) & (5) Glass Manifold, Stainless-steel Base

		Set. Price, ₩
TJ.FA0214	(4) Glass Manifolds, 3-Branchs, 300㎖ Glass Funnel, PTFE Support Screen 20㎛, PTFE Valve, Glass ⧩50/40 Joint Connection	1,411,200
TJ.FA0215	(5) Glass Manifolds, 6-Branchs, 300㎖ Glass Funnel, PTFE Support Screen 20㎛, PTFE Valve, Glass ⧩50/40 Joint Connection	2,173,500

Components / Spare Parts

		Ea. Price, ₩
TJ.FA0207	Stainless-steel 300㎖ 316L Funnel	113,400
TJ.FA0208	Glass Funnel 300㎖	50,400
TJ.FA0221	Anodized Aluminium Clamp	34,650

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



(1) Single-Line, with Glass Stopcock



(2) Double-Line, with 2 Bore Stopcock

SciLab® Premium Vacuum Manifold, DURAN Glass Stopcock, 3~5 Places
Single- or Double-Line, 유리콕형 진공매니폴드

■ ***Supplied by SciLab Korea*** ■ ***Made of DURAN® Glass Stopcock & Borosilicate Glass 3.3***
∗ Stopcock Pass Bore : up to 2.5 & 4 mm
∗ Hose Connection Tube : od Φ10mm Olive-Type

(1) Single-Line, with Glass Stopcock (SM.28640480), 3~5 Places

〈L1〉

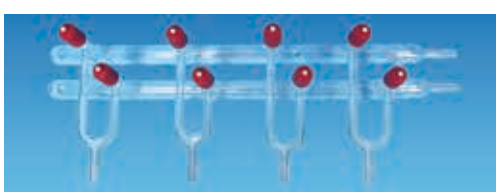
		Ea. Price, ₩
SL.Man2020	Vacu. Manifold, Single, Gl-Stopcock, 1-way, 3×Places	210,250
SL.Man2021	, 4×Places	248,750
SL.Man2022	, 5×Places	294,320

(2) Double-Line, with 2 Bore Stopcock (SM.28642500), 3~5 Places

		Ea. Price, ₩
SL.Man2024	Vacu. Manifold, Double, Gl-Stopcock, 2-way, 3×Places	486,530
SL.Man2025	, 4×Places	625,100
SL.Man2026	, 5×Places	783,320



(1) Single-Line : 3~5 Places, PTFE Valved



(2) Double-Line : 3~5 Places, PTFE Valved

SciLab® Premium 10^{-9} Torr High Vacuum Manifold, PTFE Valve, 3~5 Places
Single-or Double-Lines, with PTFE Rotaflo™ Valve, PTFE 밸브형 고진공 매니폴드

■ ***Supplied by SciLab Korea*** ■ ***Made of Pyrex® Rotaflo® PTFE Valve & Boro-glass 3.3***
■ ***Custom-Made Available / 규격외 Items 자유롭게 주문하세요!***
■ ***"Pyg.HP3ST.7" PTFE Valve Bore 3mm*** ∗ Hose Connection Tube : od Φ10mm Olive-Type

(1) Single-Line, With PTFE Needle Valve, 3~5 Places

〈L1〉

		Ea. Price, ₩
SL.Man2011	Vacu. Manifold. Single, 1-Way PTFE Valve, 3×Places	273,520
SL.Man2012	, 4×Places	363,700
SL.Man2013	, 5×Places	455,230

(2) Double-Line, With PTFE Needle Valve, 3~5 Places

		Ea. Price, ₩
SL.Man2015	Vacu. Manifold. Double, 2-Way PTFE Valve, 3×Places	724,830
SL.Man2016	, 4×Places	943,570
SL.Man2017	, 5×Places	1,163,240

Solid-phase Extraction Vacuum Manifold, for Chromatography, Used with SPE Cartridges, 12~24 port, 270×90×h160mm
Ideal for Sample Preparation in Laboratories, High Recovery Rate, Effective Removal, Concentrate Analytes
고체상추출(SPE) 매니폴드, SPE컬럼 & 진공펌프 별도



Solid-phase Extraction Vacuum Manifold, 19 port

■ ***Supplied by SciLab Korea***
■ ***액체 시료에서 SPE 카트리지의 흡착층을 통과시켜 표적 화합물 추출 하는데 사용되는 실험실 장비***
■ ***HPLC, GC의 의한 미량 유기물 분석 전 분석시료의 전처리(정제, 농축, 분획/분리, 용매변경)목적***
■ ***액-액 추출법(Liquid-liquid Extraction, LLE) 단점 보완, 높은 회수율, 실험시간 단축***
■ ***일반적으로 환경분석, 제약 및 식품 안전과 같은 다양한 응용 분야에서 사용***
■ ***Solid Phase Extraction is a Chromatographic Technique Used to Prepare Samples for Subsequent Analysis***
■ ***The General Procedure includes Sorbent Activation, Loading, Washing and Eluting***
∗ Increase Rear Valve Height by 10mm to Minimize Interference with Front Valve
∗ Allows to Observe the Flow of all Possible Ports ∗ Individual Flow Control Stopcocks
∗ Sufficient Clearance between Ports
∗ Includes Vacuum Gauge and Vacuum Control Valve ∗ Made of Special Solid Glass
∗ Can Withstand more than -0.085Mpa of the High Negative Pressure
∗ 12 ~ 24 Columns Maximum ∗ Processing : Vacuum Manifold

※ **SPE Cartridges : See the "Chromatography" Section.**

〈L1〉

		Set. Price, ₩
SL.SpeM102	SPE Manifold, 12 port	1,082,820
SL.SpeM103	, 19 port	1,732,500
SL.SpeM104	, 24 port	1,732,500
DH.Pu0300	Vacuum Pump	396,000

※ The Details of Vacuum Pump "DH.Pu0300"
⇒ See the "Pump, Vacuum-Diaphragm" Section.

Articles	Cat. No	Description



"VAR"
With Controller

V.D.Heijden® Mechanical Precise Vacuum Manometer "VAR", NO-Mercury, 0~1020 mbar
With Precise Controller, 메카니컬 정밀 마노미터, 진공조절식

■ ***Supplied by V.D.Heijden® in Germany*** ■ ***You can Set Your own Vacuum Level.***
■ ***This device is serially switched with an Electric Vacuum Pump (Oil or Diaphragm Pump)***

∗ Vacuum is Displayed in mbar (No more Conversion Necessary).
∗ 2 Barrel Clamps are Attached to the Back of this Meter so that the Device can be Quickly Clamped to a Supporting Wall.
∗ The Precise Vacuum is displayed by a Measurement-device without Any Hysteresis Problems.
∗ Reading : 0 ~ 1020 mbar ∗ Connection : 8 mm Nickeled
∗ Measuring device : 72×72 mm ∗ Dimension : w80×d80×h150 mm

〈L1〉

		Ea.	Price, ₩
VD.3000	Mechanical Manometer "VAR", with Controller, 0~1020 mbar		594,540

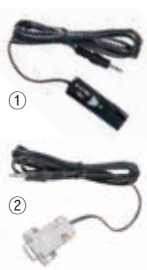
DAIHAN® Digital Pressure / Vacuum Manometer "MAN3003", 10-Different Units ; psi, mbar, etc
+/−(±)30psi · 1551mmHg · 2068 mbar, PC Data Analysisable, Max-Min · Hold · Record, with 8mm Metal Lug, 디지털 마노미터



Digital Pressure / Vacuum Manometer



Hard Carrying Case



① ②

■ ***Supplied by DAIHAN Korea***
■ ***Portable Digital Gauge ; 10 Differential Units Pressure / Vacuum Meter, with 8mm Metal Connection***
■ ***PC Interface via Cable and Software to Download Data***
∗ Over-range Indication with Error Messages
∗ 10 units or 5 units for Selection (Metric, Imperial) ∗ Connection ; 8mm Metal Lug
∗ Backlight Function works in Dark Area ∗ Low Battery Indicator
∗ Real Time Shows in Recording Mode

Specifications & Ordering information

〈L1〉

Spec. / Model		"DH.MAN3003"
Range & Resolution	psi	±30.00 & 0.02
	kPa and mmHg	kPa : ±206.8 & 0.2, and mmHg : ±1551 & 1
	Kg/cm² and mbar	Kg/cm² : ±2.109 & 0.002, and mbar : ±2068 & 2
	bar and inH_2O	Bar : ±2.068 & 0.002, and inH_2O : ±830.4 & 0.5
	cmH_2O and inHg	cmH_2O : ±2101 & 2, and inHg : ±61.08 & 0.04
	ftH_2O and oz/inch²	ftH_2O : ±69.2 & 0.04, and oz/inch² : ±480.0 & 0.3
Accuracy		±0.3% of Full Scale at 25℃
Response Time		0.5 sec
Compensated Temp. Range		0℃~50℃
Battery		9V Battery or Adaptor
Dimension / Weight(g)		182×72×30 mm (LCD Size : 29×51mm) / 150g
Standard Package		Meter, Battery, Manual, 2×Connection Hose(50cm), Hard Carry Case
Cat. No. & Price ₩	**DH.Man3003**	**₩ 374,020 / Set**

Option ;	DH.Gas3013.1	① USB Cable & Software	₩ 82,290 / Ea
	DH.Gas3013.2	② RS232 Cable & Software	₩ 82,290 / Ea
	DH.Man3003.1	③ Tubing for 30psi Pressure / Vacuum and 8mm Lug, 50cm, Black	₩ 5,000 / Ea

※ **Units Conversion** : 1psi×6.8947=kpa , 1psi×68.947=mbar(hpa), 1psi×0.068966=bar, 1psi×51.71433=torr
1psi×70.038=cmH_2O, 1psi×51.715=mmHg, 1psi×16=oz/inch², 1psi×6890=pascal(pa)
※ **Note!** : Exceeding Maximum Pressure will cause Permanent Sensor Damage !

※ The Price(VAT is extra) for Korean End-user, and Changeable.



Clear & Amber Vials with Caps



Vials Only

Vials

Autosampler / Chromatography ····· P. 888~893

Autosampler-Plastic ····· P. 67

Cryogenic ····· P. 894~895

Culture ····· P. 896

Drosophila ····· P. 896

EPA ····· P. 897~898

Extraction / V-Vials ····· P. 899

Sample ····· P. 900~905

Scintillation ····· P. 906~907

Serum ····· P. 908~909

Accessories, Closures & Racks ····· P. 909~912



Packaged in Convenient Tray



White PP Opentop Cap / Septa



Black Phenolic Opentop Cap and Septa



Black Phenolic Close Cap / Septa



Vial Rack, id Φ28.1mm



Vial Rack, id Φ30mm

Articles	Cat. No	Description

SciLab® 11mm Crimptop 2㎖/Φ12×32 Autosampler Vials "Pack-Set", with Opentop Seal & Septa

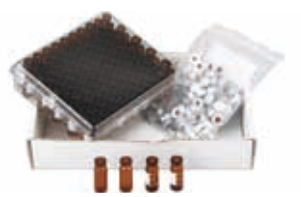
Clear & Amber, for Chromatography, Boro-glass 5.1, 2㎖ **크림프탑 오토샘플러 바이알 세트,** 12×32



11mm Crimp, 2㎖, with Seal & Septa



Clear Vial "Pack-Set", with Seal & Septa



Amber Vial "Pack-Set", with Seal & Septa

■ ***Supplied by SciLab Korea***

* "USP-I" Borosilicate Glass Vials : 2㎖, Φ12×h32mm, 11mm Crimptop
* with Silver Opentop Aluminum Seal
* Ideal for Autosamplers
* Available with or without White Patch
* Vials with white patch are gradated at 0.5㎖, 1.0㎖ and 1.5㎖
* Vials in Clear Square Rack with Lid

〈L1〉

with White PTFE & Red Silicone Septa

		Set.	Price, ₩
SL.Vi1081	Vial, 2㎖, Clear, with Alu-Seal & White PTFE / Red Silicone Septa, Plain.	100ea	67,490
SL.Vi1082	, with White Patch.	100ea	72,440
SL.Vi1083	, Amber, with Alu-Seal & White PTFE / Red Silicone Septa, Plain.	100ea	72,440
SL.Vi1084	, with White Patch.	100ea	77,380

with Red PTFE & White Silicone Septa

		Set.	Price, ₩
SL.Vi1086	Vial, 2㎖, Clear, with Alu-Seal & Red PTFE / White Silicone Septa, Plain.	100ea	67,490
SL.Vi1087	, with White Patch.	100ea	72,440
SL.Vi1088	, Amber, with Alu-Seal & Red PTFE / White Silicone Septa, Plain.	100ea	72,440
SL.Vi1089	, with White Patch.	100ea	77,380

SciLab® 11mm Crimptop 2㎖/Φ12×32 Autosampler Vials, Alu-Seals · Septa · Crimper · Decapper ; Separately

Clear & Amber, for Chromatography, Boro-glass 5.1, 2㎖ **크림프탑 오토샘플러 바이알, 알루미늄씰 · 셉타 · 크림퍼 · 디캐퍼 별매,** 12×32



(1) 11mm Crimp, 2㎖, Vials only



Clear Vials　　Amber Vials

Vials in Clear Square Rack with Lid



(2) Alu-Seal with Septa



(3) Alu-Seal & Septa



(4), (5) 11mm Crimper & Decapper

■ ***Supplied by SciLab Korea***

* "USP-I" Borosilicate Glass Vials : 2㎖, Φ12×h32mm, 11mm Crimptop
* with Silver Opentop Aluminum Seal
* Ideal for Autosamplers
* Available with or without White Patch
* Vials with white patch are gradated at 0.5㎖, 1.0㎖ and 1.5㎖
* Vials in Clear Square Rack with Lid

(1) 11mm Crimptop Vials, 2㎖, without Seal & Septa

〈L1〉

Clear Glass, 12×32mm, USP-I

		Pk.	Price, ₩
SL.Vi1091	Vial, 2㎖, Clear, Crimptop, without Seal, Plain.	100ea	30,150
SL.Vi1092	, with White Patch.	100ea	35,240

Amber Glass, 12×32mm, USP-I

		Pk.	Price, ₩
SL.Vi1093	Vial, 2㎖, Amber, Crimptop, without Seal, Plain.	100ea	35,720
SL.Vi1094	, with White Patch.	100ea	39,950

(2) 11mm Opentop Seal-Set with White or Red PTFE Septa

		Pk.	Price, ₩
SL.Vi1102	Seal, with White PTFE / Red Silicone Septa.	100ea	37,440
SL.Vi1103	, with Red PTFE / White Silicone Septa.	100ea	37,930

(3) 11mm Opentop Alu-Seal & Septa only

		Pk.	Price, ₩
SL.Vi1101	Seal, 11mm, without Septa.	100ea	11,340
SL.Vi1096	Septa, 11mm, with White PTFE / Red Silicone.	100ea	25,090
SL.Vi1097	, with Red PTFE / White Silicone.	100ea	25,090

(4) 11mm Crimper

		Ea.	Price, ₩
SL.Vi1104	Crimper, Ergonomic Manual, for Φ11mm Alu-Seals.		630,730

(5) 11mm Decapper

		Ea.	Price, ₩
SL.Vi1105	Decapper, Ergonomic Manual, for Φ11mm Alu-Seals.		630,730



incl. Carrying Case

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description

Wheaton® Premium 11mm Crimptop 1.8㎖/Φ12×h32mm Autosampler Large Opening Vials "Pack-Set", with Seal/Septa

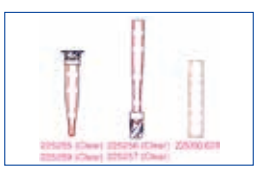
Clear & Amber, for Chromatography, Boro-glass 3.3, with 40% Larger-Opening, Complete Case, 1.8㎖ **프리미엄 크림프탑 바이알 세트,** 12×32



with/without White Patch



Packaged 100ea/cs



■ ***Supplied by Wheaton® in USA*** ∗ Vials are packaged 100 per shelf pack and 10 packs per case.

∗ 40% larger opening improves sample accessibility while reducing autosampler needle damage.
∗ White Ceramic "Write-On" Patch(-174 / -173 series), ASTM / USP Type I Boro. Glass.
∗ E-Z® Large-Opening ID : 40 % Larger than Standard Opening Neck.

(1) Clear Vials, 1.8㎖, 12×32 mm, Case-set with 11mm Seal/Septa

〈L1〉

		Cs.	Price, ₩
WH.W225175.01	Vial, Clear, w/ PTFE / Red Rubber lined Seal-Natural Color	100ea	86,980
WH.W225174.01	, w/ Patch & PTFE / Red Rubber lined Seal-Natural Color	100ea	95,000

(2) Amber Vials, 1.8㎖, 12×32 mm, Case-set with 11mm Seal/Septa

		Cs.	Price, ₩
WH.W225172.01	Vial, Amber, w/ PTFE / Red Rubber lined Seal-Natural Color	100ea	93,650
WH.W225173.02	, w/ Patch & PTFE / Silicone lined Seal-Natural Color	100ea	154,680
WH.W225173.0203	-Red Color	100ea	155,470
WH.W225173.0207	-Green Color	100ea	155,470

(3) Optional 0.1~0.35㎖ Limited Volume Insert, 용량축소형 인서트

∗ Limited Volume inserts Available Separately.

		Pk.	Price, ₩	Cs.	Price, ₩
WH.225255	Insert, 0.1㎖ , Glass, with Top Spring	100ea	344,720	2pk	638,290
WH.225265	, 0.25㎖, Glass, with Bottom Spring	100ea	373,140		
WH.225257	, 0.25㎖, PP , with Bottom Spring	100ea	73,380		
WH.225350.631	, 0.35㎖, Glass, Flat-Bottom	200ea	78,150	5pk	361,620

; CRIMP/SNAP-TOP



11mm Snap, 2㎖, with Cap & Septa

SciLab® 11mm Snaptop 2㎖/Φ12×32 Autosampler Vials "Pack-Set", with Septa Lined Cap

Clear & Amber, for Chromatography, Boro-glass 5.1, 2㎖ **스냅탑 오토샘플러 바이알 세트,** 12×32

■ ***Supplied by SciLab Korea***

∗ "USP-I" Borosilicate Glass Vials : 2㎖, Φ12×h32mm, 11mm Snaptop
∗ with White PTFE / Red Silicone Septa
∗ Vials in Clear Square Rack with Lid
∗ Vials with white patch are gradated at 0.5㎖, 1.0㎖ and 1.5㎖
∗ Snaptop vials eliminate the need for crimping and decapping tools.



Clear Vial "Pack-Set"



Amber Vial "Pack-Set"

〈L1〉

		Set.	Price, ₩
SL.Vi1111	Vial, 2㎖, Clear, Snaptop, Plain.	100ea	65,290
SL.Vi1112	, with White Patch.	100ea	70,250
SL.Vi1113	, Amber, Snaptop, Plain.	100ea	70,250
SL.Vi1114	, with White Patch.	100ea	76,500

SciLab® 11mm Snaptop 2㎖/Φ12×32 Autosampler Vials, Snap Cap & Septa ; Separately

Clear & Amber, for Chromatography, Boro-glass 5.1, 2㎖ **스냅탑 오토샘플러 바이알, 스냅캡 & 셉타 별매,** 12×32



(1) 11mm Snap, 2㎖, Vials only



Vials in Clear Square Rack with Lid



(2), (3) 11mm Snap Caps & Septa

■ ***Supplied by SciLab Korea***

∗ "USP-I" Borosilicate Glass Vials : 2㎖, Φ12×h32mm, 11mm Snaptop
∗ Vials with white patch are gradated at 0.5㎖, 1.0㎖ and 1.5㎖
∗ Snaptop vials eliminate the need for crimping and decapping tools.

(1) 11mm Snaptop Vials, 2㎖, without Cap & Septa

〈L1〉

		Pk.	Price, ₩
SL.Vi1121	Vial, 2㎖, Clear, Snaptop, without Cap, Plain.	100ea	30,150
SL.Vi1122	, with White Patch.	100ea	35,720
SL.Vi1123	, Amber, Snaptop, without Cap, Plain.	100ea	35,240
SL.Vi1124	, with White Patch.	100ea	39,950

(2) 11mm Snap Cap-Set with PTFE Septa

		Pk.	Price, ₩
SL.Vi1128	Cap, Snaptop, PP, with White PTFE / Red Silicone Septa.	100ea	35,240
SL.Vi1129	, with Red PTFE / White Silicone Septa.	100ea	35,240

(3) 11mm Septa only

		Pk.	Price, ₩
SL.Vi1125	Septa, with White PTFE / Red Silicone.	100ea	25,430
SL.Vi1126	, with Red PTFE / White Silicone.	100ea	25,090

Articles	Cat. No	Description

SciLab® 8-425 Screwtop 2㎖/Φ12×32 Autosampler Vial "Pack-Set", with Opentop Cap & Pre-Slit Septa

Clear & Amber, for Chromatography, Boro-glass 5.1, 2㎖ **스크류탑 오토샘플러 바이알세트,** 12×32



8-425 Screw, 2㎖, with Cap & "Pre-Slit" Septa



Clear Vial "Pack-Set", with Cap & Septa



Amber Vial "Pack-Set", with Cap & Septa

■ ***Supplied by SciLab Korea***
■ ***Ideal for Autosampler : Shimadzu®, Perkin Elmer®, Varian®, and Waters®.***
■ ***Pre-Slit Septa : Easy to Injection***

∗ "USP-I" Borosilicate Glass Vials : 2㎖, Φ12×h32mm, 8-425 Screw
∗ Cap : PP (Polypropylene), Black Opentop, 8-425 Screw
∗ Available with or without White Patch
∗ Vials with white patch are gradated at 0.5㎖, 1.0㎖ and 1.5㎖
∗ Vials in Clear Square Rack with Lid



▶ **Usefully Empty Rack**

〈L1〉

with "Pre-Slit" White PTFE & Red Silicone Septa lined Cap

		Set.	Price, ₩
SL.Vi1011	Vial, 2㎖, Clear, Plain, Screw 8-425.	100ea	63,830
SL.Vi1012	, with White Patch, Screw 8-425.	100ea	68,750
SL.Vi1013	, Amber, Plain, Screw 8-425.	100ea	68,750
SL.Vi1014	, with White Patch, Screw 8-425.	100ea	73,350

with "Pre-Slit" Red PTFE & White Silicone Septa lined Cap

		Set.	Price, ₩
SL.Vi1016	Vial, 2㎖, Clear, Plain, Screw 8-425.	100ea	63,830
SL.Vi1017	, with White Patch, Screw 8-425.	100ea	68,750
SL.Vi1018	, Amber, Plain, Screw 8-425.	100ea	68,750
SL.Vi1019	, with White Patch, Screw 8-425.	100ea	73,350



250㎕ 200㎕ 150㎕
Optional Inserts

Optional Inserts, 150~250㎕, for 2㎖ Standard Vials

		Pk.	Price, ₩
SL.Vi1037	Insert, Glass, 250㎕, with Flat-bottom, Φ5.0×h31mm.	100ea	48,420
SL.Vi1038	, 200㎕, with Pulled Conical-bottom, Φ5.0×h31mm.	100ea	71,940
SL.Vi1039	, 150㎕, with Polymer Feet, Φ5.0×h29mm.	100ea	70,790

SciLab® 8-425 Screwtop 2㎖/Φ12×32 Autosampler Vial, Caps · Septa · Inserts ; Separately

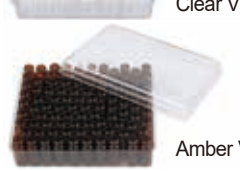
Clear & Amber, for Chromatography, Boro-glass 5.1, 2㎖ **스크류탑 오토샘플러 바이알, 캡 · 셉타 · 인써트 별매,** 12×32



(1) 8-425 Screw, 2㎖, Vials only



Clear Vials



Amber Vials

Vials in Clear Square Rack with Lid



(2), (3) 8-425 Screwcaps and Septa



250㎕ 200㎕ 150㎕
(4) Glass Inserts, 150~250㎕

■ ***Supplied by SciLab Korea***
■ ***Ideal for Autosampler : Shimadzu®, Perkin Elmer®, Varian®, and Waters®.***

∗ "USP-I" Borosilicate Glass Vials : 2㎖, Φ12×h32mm, 8-425 Screw
∗ Cap : PP (Polypropylene), Black, 8-425 Screw
∗ Vials with white patch are gradated at 0.5㎖, 1.0㎖ and 1.5㎖
∗ Available with or without White Patch
∗ Vials in Clear Square Rack with Lid

〈L1〉

(1) 8-425 Screwtop Vials without Cap & Septa, Clear & Amber

		Pk.	Price, ₩
SL.Vi1021	Vial, 2㎖, Clear, without Cap, Plain, Screw 8-425.	100ea	30,580
SL.Vi1022	, with White Patch, Screw 8-425.	100ea	35,240
SL.Vi1023	, Amber, without Cap, Plain, Screw 8-425.	100ea	35,240
SL.Vi1024	, with White Patch, Screw 8-425.	100ea	39,950

(2) 8-425 Septa lined Screwcap

∗ Pre-Slit Septa : Easy to Injection

		Pk.	Price, ₩
SL.Vi1035	Cap, 8-425, Black, Opentop, with "Pre-Slit" White PTFE / Red Silicone Septa.	100ea	39,130
SL.Vi1036	, with "Pre-Slit" Red PTFE / White Silicone Septa.	100ea	39,130
SL.Vi1032	, with White PTFE / Red Silicone Septa.	100ea	30,580
SL.Vi1033	, with Red PTFE / White Silicone Septa.	100ea	30,150
SL.Vi1034	, Closetop, with White PTFE / Red Silicone Septa.	100ea	30,150

(3) 8-425 Screwcap without Septa & 8mm Septa

∗ Pre-Slit Septa : Easy to Injection

		Pk.	Price, ₩
SL.Vi1031	Cap, 8-425, Black, Opentop, without Septa.	100ea	12,150
SL.Vi1029	Septa, 8mm, with White PTFE / Red Silicone, "Pre-Slit" type	100ea	30,840
SL.Vi1030	, with Red PTFE / White Silicone, "Pre-Slit" type	100ea	30,840
SL.Vi1026	, with White PTFE / Red Silicone.	100ea	20,240
SL.Vi1027	, with Red PTFE / White Silicone.	100ea	20,240
SL.Vi1028	, with Red PTFE / White Silicone / Red PTFE.	100ea	30,580

(4) Inserts, 150~250㎕

∗ Ideal for 2㎖(12×32mm, 8-425 Screw) Standard Vials

		Pk.	Price, ₩
SL.Vi1037	Insert, Glass, 250㎕, with Flat-bottom, Φ5.0×h31mm.	100ea	48,420
SL.Vi1038	, 200㎕, with Pulled Conical-bottom, Φ5.0×h31mm.	100ea	71,940
SL.Vi1039	, 150㎕, with Polymer Feet, Φ5.0×h29mm.	100ea	70,790

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description

SciLab® 9-425 Screwtop Large Opening 2㎖/Φ12×32 Autosampler Vial "Pack-Set", with Blue PP Cap & Pre-Slit Septa

Clear & Amber, for Chromatography, Boro-glass 5.1, 2㎖ 스크류탑 오토샘플러 바이알세트, 12×32



9-425 Screw, 2㎖, with Cap & "Pre-Slit" Septa



Clear Vial "Pack-Set", with Cap & "Pre-Slit" Septa



Amber Vial "Pack-Set", with Cap & "Pre-Slit" Septa

■ Supplied by SciLab Korea ***■ Pre-Slit Septa : Easy to Injection***

■ Ideal for Autosampler : Agilent®, Perkin Elmer®, Varian®, and Waters®.

∗ "USP-I" Borosilicate Glass Vials : 2㎖, Φ12×32mm, 9-425 Screw

∗ Vials in Clear Square Rack with Lid ∗ Cap : PP(Polypropylene), Blue-color, 9-425 Screw

∗ Available with or without White Patch

∗ Vials with white patch are gradated at 0.5㎖, 1.0㎖ and 1.5㎖

∗ Larger opening improves sample accessibility while reducing autosampler needle damage

Empty Rack

〈L1〉

with "Pre-Slit" White PTFE & Red Silicone Septa lined Blue Cap

		Set.	Price, ₩
SL.Vi1041	Vial, 2㎖, Clear, with Opentop Cap, Plain, Screw 9-425.	100ea	64,340
SL.Vi1042	, with White Patch, Screw 9-425.	100ea	69,350
SL.Vi1045	, with 300㎕ Insert, Screw 9-425.	100ea	231,190
SL.Vi1051	, with Closetop Cap, Plain, Screw 9-425.	100ea	60,370
SL.Vi1043	, Amber, with Opentop Cap, Plain, Screw 9-425.	100ea	69,350
SL.Vi1044	, with White Patch, Screw 9-425.	100ea	74,470
SL.Vi1052	, with Closetop Cap, Plain, Screw 9-425.	100ea	65,290

with "Pre-Slit" Red PTFE & White Silicone Septa lined Blue Cap

		Set.	Price, ₩
SL.Vi1046	Vial, 2㎖, Clear, with Opentop Cap, Plain, Screw 9-425.	100ea	63,830
SL.Vi1047	, with White Patch, Screw 9-425.	100ea	69,350
SL.Vi1048	, Amber, with Opentop Cap, Plain, Screw 9-425.	100ea	68,750
SL.Vi1049	, with White Patch, Screw 9-425.	100ea	74,470

Optional Inserts, 250~300㎕

∗ Ideal for 2㎖(12×32, 9-425 Screw) Large Vials

		Pk.	Price, ₩
SL.Vi1076	Insert, Glass, 300㎕, with Flat-bottom, Φ5.8×h31mm.	100ea	48,420
SL.Vi1077	, 250㎕, with Pulled Conical-bottom, Φ5.8×h31mm.	100ea	70,790
SL.Vi1078	, 250㎕, with Polymer Feet, Φ5.8×h31mm.	100ea	70,790



300㎕ 250㎕ 250㎕ Optional Inserts

SciLab® 9-425 Screwtop Large Opening 2㎖/Φ12×32 Autosampler Vial, Caps · Septa · Inserts ; Separately

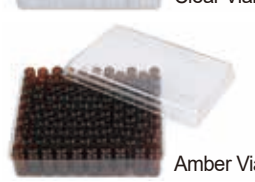
Clear & Amber, for Chromatography, Boro-glass 5.1, 2㎖ 스크류탑 오토샘플러 바이알, 캡 · 셉타 · 인써트 별매, 12×32



(1) 9-425 Screw, 2㎖, Vials only



Clear Vials



Amber Vials

Vials in Clear Square Rack with Lid



(2), (3) 9-425 Screwcaps and Septa



300㎕ 250㎕ 250㎕ (4) Glass Inserts, 250~300㎕

■ Supplied by SciLab Korea ***■ Ideal for Autosampler : Agilent®, Perkin Elmer®, Varian®, and Waters®.***

∗ "USP-I" Borosilicate Glass Vials : 2㎖, Φ12×32mm, 9-425 Screw

∗ Cap : PP(Polypropylene), Blue-color, 9-425 Screw ∗ Vials in Clear Square Rack with Lid

∗ Vials with white patch are gradated at 0.5㎖, 1.0㎖ and 1.5㎖ ∗ Available with or without White Patch

∗ Larger opening improves sample accessibility while reducing autosampler needle damage

(1) 9-425 Screw-Top Vials without Cap & Septa

〈L1〉

Clear Glass, 12×32mm, USP-I

		Pk.	Price, ₩
SL.Vi1061	Vial, 2㎖, Clear, Opentop, without Cap, Plain.	100ea	30,570
SL.Vi1062	, with White Patch.	100ea	35,720
SL.Vi1065	, with 300㎕ Glass Insert-conical.	100ea	196,820

Amber Glass, 12×32mm, USP-I

		Pk.	Price, ₩
SL.Vi1063	Vial, 2㎖, Amber, Opentop, without Cap, Plain.	100ea	35,720
SL.Vi1064	, with White Patch.	100ea	40,350

(2) 9-425 Screw Septa lined Cap

∗ Pre-Slit Septa : Easy to Injection ∗ PP Screw-cap

		Pk.	Price, ₩
SL.Vi1079	Cap, 9-425, PP, Blue, Opentop, with "Pre-Slit" White PTFE / Red Silicone Septa.	100ea	41,120
SL.Vi1080	, with "Pre-Slit" Red PTFE / White Silicone Septa.	100ea	41,120
SL.Vi1073	, with White PTFE / Red Silicone Septa.	100ea	30,580
SL.Vi1074	, with Red PTFE / White Silicone Septa.	100ea	30,150
SL.Vi1075	, Closetop, with White PTFE / Red Silicone Septa.	100ea	30,150

(3) 9-425 Screwcap without Septa & 9mm Septa

		Pk.	Price, ₩
SL.Vi1072	Cap, 9-425, PP, Blue, Opentop, without Septa.	100ea	7,680
SL.Vi1070	Septa, with White PTFE / Red Silicone, "Pre-Slit" type	100ea	30,840
SL.Vi1071	, with Red PTFE / White Silicone, "Pre-Slit" type	100ea	27,840
SL.Vi1067	, with White PTFE / Red Silicone.	100ea	19,990
SL.Vi1068	, with Red PTFE / White Silicone.	100ea	19,990
SL.Vi1069	, with Red PTFE / White Silicone / Red PTFE.	100ea	30,150

(4) Inserts, 250~300㎕

∗ Ideal for 2㎖(12×32, 9-425 Screw) Large Vials

		Pk.	Price, ₩
SL.Vi1076	Insert, Glass, 300㎕, with Flat-bottom, Φ5.8×h31mm.	100ea	48,420
SL.Vi1077	, 250㎕, with Pulled Conical-bottom, Φ5.8×h31mm.	100ea	70,790
SL.Vi1078	, 250㎕, with Polymer Feet, Φ5.8×h31mm.	100ea	70,790

Articles	Cat. No	Description

Wheaton® Premium 10-425 Screwtop 1.8㎖/Φ12×h32mm Autosampler Step Patch Vials, Large Opening

Clear & Amber, for Chromatography, Boro-glass 3.3, with 40% Larger-Opening, <USA-Made> 1.8㎖ 프리미엄 스크류탑 바이알, 캡 & 셉타 별매



(1)



(2)



(3)

* Innovative Design of the Vial and Limited Volume insert enables the insert to be precisely centered inside the vial.
* Manufactured from Clear and Amber Type I Borosilicate Glass.
* Pre-assembled Black Polypropylene Screwcap with Septa.
* Writing Patch on all Vials.

<L1>

(1) 1.8㎖ STEP Vials only, 12×32 mm, Clear & Amber

		Pk.	Price, ₩	Cs.	Price, ₩
WH.224627	Vial, Clear , 1.8㎖, Step / Patch, 10-425 Screw	100ea	71,550	10pk	661,930
WH.224629	, Amber, 1.8㎖, Step / Patch, 10-425 Screw	100ea	80,140	10pk	741,580

(2) 0.25㎖ Limited Volume Insert, for 1.8㎖ Step Vial

		Cs.	Price, ₩
WH.225258	Insert, 0.25㎖, Glass	100ea	289,150
WH.225259	, Polypropylene "PP"	100ea	41,270
WH.225265	, Glass w/ Bottom Spring	100ea	373,140

(3) 10-425 Open Top Screwcap(Black PP) with Septa

		Cs.	Price, ₩
WH.242760	Cap, w/ PTFE / Red Rubber Septa, 10-425 Screw	100ea	93,190
WH.242761	, w/ PTFE / Silicone / PTFE Septa, 10-425 Screw	100ea	145,400

SciLab® 13-425 Screwtop 4㎖/Φ15×45 Autosampler Vial "Pack-Set", with Black PP Cap & Septa

Clear & Amber, for Chromatography, Boro-glass 5.1, 4㎖ 스크류탑 오토샘플러 바이알세트, 15×45



13-425 Screw, 4㎖, with Cap & Septa



Vials "Pack-Set" with Cap & Septa

■ Supplied by SciLab Korea ***■ Ideal for Waters® WISP and Sample Storage.***

* "USP-I" Borosilicate Glass Vials
* Available with or without White Patch
* Cap : PP (Polypropylene), Black, 13-425 Screw
* Septa : PTFE / Silicone, Φ13mm
* Vials with white patch are gradated at 1.0㎖, 2.0㎖, 3.0㎖ and 4.0㎖

<L1>

with Opentop Cap, with White PTFE & Red Silicone Septa

		Set.	Price, ₩
SL.Vi1141	Vial, 4㎖, Clear, Plain, Screw 13-425.	100ea	75,720
SL.Vi1142	, with White Patch, Screw 13-425.	100ea	76,880
SL.Vi1143	, Amber, Plain, Screw 13-425.	100ea	89,440
SL.Vi1144	, with White Patch, Screw 13-425.	100ea	90,540

with Closetop Cap, with Natural PTFE & Silicone Septa

		Set.	Price, ₩
SL.Vi1146	Vial, 4㎖, Clear, Plain, Screw 13-425.	100ea	75,720
SL.Vi1147	, Amber, Plain, Screw 13-425.	100ea	89,440

with Closetop Cap, with PE Septa

		Set.	Price, ₩
SL.Vi1148	Vial, 4㎖, Clear, Plain, Screw 13-425.	100ea	53,400
SL.Vi1149	, Amber, with White Patch, Screw 13-425.	100ea	66,950

SciLab® 13-425 Screwtop 4㎖/Φ15×45 Autosampler Vial, Screwcaps & Septa ; Separately

Clear & Amber, for Chromatography, Boro-glass 5.1, 4㎖ 스크류탑 오토샘플러 바이알, 스크류캡 & 셉타 별매, 15×45



(1) 13-425 Screw, 4㎖, Vials only



Opentop Closetop

(2) 13-425 Screwcaps & Septa



(3) 13mm Septa

■ Supplied by SciLab Korea ***■ Ideal for Waters® WISP and Sample Storage.***

* "USP-I" Borosilicate Glass Vials : 4㎖, Φ15×h45mm, 13-425 Screw
* Available with or without White Patch
* Vials with white patch are gradated at 1.0㎖, 2.0㎖, 3.0㎖ and 4.0㎖

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(1) 13-425 Screwtop Vials without Cap & Septa, 15×45mm

		Pk.	Price, ₩
SL.Vi1151	Vial, 4㎖, Clear, without Cap, Plain, Screw 13-425.	100ea	35,720
SL.Vi1152	, with White Patch, Screw 13-425.	100ea	35,630
SL.Vi1153	, Amber, without Cap, Plain, Screw 13-425.	100ea	49,020
SL.Vi1154	, with White Patch, Screw 13-425.	100ea	50,120

(2) 13-425 Screwcaps, with or without Septa

		Pk.	Price, ₩
SL.Vi1161	Cap, Screw 13-425, Black, Opentop, without Septa.	100ea	9,450
SL.Vi1166	, with Natural PTFE / Silicone Septa.	100ea	40,350
SL.Vi1163	, with Red PTFE / White Silicone Septa.	100ea	40,350
SL.Vi1164	, Closetop, with Natural PTFE / Silicone Septa.	100ea	40,350
SL.Vi1165	, with PE-Septa.	100ea	18,190

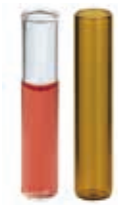
(3) 13mm Septa only

		Pk.	Price, ₩
SL.Vi1156	Septa, Φ13×1.5 mm, with White PTFE / Red Silicone.	100ea	28,000
SL.Vi1157	, with Red PTFE / White Silicone.	100ea	28,000

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description


PE Plug


Clear & Amber

8.2mm Glass Shell Vial, 1㎖

SciLab® 8.2mm Plugtop 1㎖/Φ8.2×h40mm Autosampler Shell Vial "Pack-Set", with PE Plug
Clear & Amber, for Chromatography, Boro-glass 5.1, 1㎖ **플러그탑 오토샘플러 쉘 바이알세트**, 8.2×40

■ ***Supplied by SciLab Korea***
■ ***Ideal for Autosampler : Agilent®, Beckman®, Gilson®, Perkin Elmer®, Shimadzu®, Varian®, and Waters®.***
* "USP-I" Borosilicate Glass Vial : 1.0㎖, Φ8.2×h40mm
* with PE(Polyethylene) Plug : The Best for Needle Injection, and Easily Push in and Remove from the Vials.
* Packed with Vials & Plugs Separately

〈L1〉

		Pk.	Price, ₩
SL.Vi1181	Vial, 1.0㎖, Clear, Φ8.2×h40mm, with 8.2mm PE Plug	200ea	70,790
SL.Vi1182	, Amber, Φ8.2×h40mm, with 8.2mm PE Plug	200ea	85,050

Wheaton® Premium 15mm Plugtop 3 & 4㎖/Φ15×h45mm Autosampler Shell Vials, Glass and PP, Vial & Plug Separately
Clear & Amber, for Chromatography, Boro-glass 3.3, <USA-Made> 3~4㎖ **프리미엄 플러그탑 오토샘플러 쉘 바이알**, 15×45




15mm Glass / PP Shell Vial

■ ***15×45mm Vial이 사용되는 거의 모든 "Auto Sampler 기기"에 호환됨***
* Choice of Borosilicate Glass or Polypropylene.
* Snap Plug Closure Available in Natural Polyethylene.
* Purchase Vials and Caps Separately or Together In Convenience Packs.
* Polyethylene Snap Plug Caps Feature a Starburst top for easier needle penetration.
・**Ideal for Most Autosampler including Waters® 48 Position Autosampler.**

〈L1〉

3㎖ & 4㎖, 15×45mm Glass or PP Vials only, Clear and Amber

		Pk.	Price, ₩	Cs.	Price, ₩
WH.225126	Vial, 4㎖, Glass, Clear, for 15mm Plug	100ea	33,180	10pk	306,900
WH.225127	, Amber, for 15mm Plug	100ea	43,430	10pk	401,420
WH.225129	, PP, Clear, for 15mm Plug	100ea	40,120	10pk	371,050
WH.225130	, 3㎖, PP, Clear, for 15mm Plug	100ea	86,720	10pk	802,540

15mm PE Conical Plug Cap

		Pk.	Price, ₩	Cs.	Price, ₩
WH.242815	Plug, 15mm, Conical form, Natural	100ea	27,640	10pk	255,470

; HEADSPACE


10㎖ 20㎖
10㎖ & 20㎖, Headspace Vials only


18mm Screwcaps,
with Blue PTFE / White Silicone Septa

SciLab® 18mm Screwtop 10 & 20㎖ Autosampler Headspace Vials & Caps ; Separately
Clear & Amber, for Agilent® & Shimadzu®, Boro-glass 5.1, 10 & 20㎖ **스크류탑 헤드스페이스 바이알 & 캡**

■ ***Supplied by SciLab Korea***
■ ***Ideal for Autosampler : Agilent® and Shimadzu®***
* Borosilicate Glass Vials, 10 & 20㎖
* Vials with Round Bottom
* Round bottom vials are more easily handled by robotic arms that lift that the vial from the tray.
* Round bottom vials distribute the internal pressure created at high temperature across the glass surface.

〈L1〉

10 & 20㎖ Screwtop Headspace Vials only

		Pk.	Price, ₩
SL.Vi1171	Vial, Headspace, 18mm, 10㎖, Clear , Φ22.5×h46mm	100ea	60,840
SL.Vi1172	, Amber, Φ22.5×h46mm	100ea	64,500
SL.Vi1173	, 20㎖, Clear , Φ22.5×h75.5mm	100ea	70,050
SL.Vi1174	, Amber, Φ22.5×h75.5mm	100ea	73,720

18mm Metal Magnetic Iron Screwcap, with Blue PTFE & White Silicone Septa

		Pk.	Price, ₩
SL.Vi1176	Cap, with Blue PTFE & White Silicone Septa, UltraClean.	100ea	88,470



(1) External Tread



(2) Internal Tread

CryoTain™ PP 1.2~5㎖ Sterile Graduated Cryogenic Vial, External/Internal Thread
Silicone-ring Seal & White Marking Area, Self-standing, −196℃+121℃, 눈금부 멸균 냉동 바이알

■ Made in Korea ***■ -196℃까지 내한성을 보유한 Medical Grade Polypropylene 재질로 제작***
■ These Vials are constructed of Medical Grade Polypropylene and sterilized by Irradiation
∗ Good Finished ; for Smooth Working ∗ Withstand Temperature between -196℃(in Vapor-phase)+121℃
∗ Ideal for use with Liquid Nitrogen LN_2 Vapor phase ∗ Vials are DNA-, DNase/RNase-, and Pyrogen-free.
∗ The Large White Marking Area and Graduations are printed on the side of each Vials for Convenient Use.
∗ Warning : Do not use CryoTain™ Cryogenic Vials in the Liquid Phase of Liquid Nitrogen. ∗ Self-standing Base

(1) External Thread Screwcaps, 1.2~5.0㎖

∗ The External Tread Cryogenic Vial offer a silicone O-ring within the Cap for Secure Seal.
∗ This Externally Tread Vials feature Protection Lip from Contamination.

〈L1〉

		Pk.	Price, ₩	Cs.	Price, ₩
SL.Via3301	Cryogenic Vial, External Tread, 1.2㎖, Φ12×h42 mm	50ea	12,150	10pk	112,500
SL.Via3302	, 2.0㎖, Φ12×h48 mm	50ea	12,150	10pk	112,500
SL.Via3303	, 5.0㎖, Φ12×h86 mm	25ea	12,150	10pk	112,500

(2) Internal Thread Screwcaps, 1.2~5.0㎖

∗ The Internal Tread Cryogenic Vial offer a Silicone Gasket mounted in the Screwcap for a Leakproof Closure.
∗ These Vials can be Color-coded with Optional 4 color Inserts.

		Pk.	Price, ₩	Cs.	Price, ₩
SL.Via3305	Cryogenic Vial, Internal Tread, 1.2㎖, Φ12×h42 mm	50ea	12,150	10pk	112,500
SL.Via3306	, 2.0㎖, Φ12×h48 mm	50ea	12,150	10pk	112,500
SL.Via3307	, 5.0㎖, Φ12×h86 mm	25ea	12,150	10pk	112,500



CryoTain™ PP Color Code Cap Insert, For Internal Thread Vial, −196℃+121℃
With 3 Different Colors, Blue, Violet, Yellow, 컬러 코드 캡인서트

■ Made in Korea ∗ Good Finished ; for Smooth Working
∗ 3 Different Colors - Blue, Violet and Yellow. for Comprehensive Sample Identification in the Cryogenic Vials
∗ This Cap Insert made of Polypropylene and fits for Internal Thread Cryogenic Vial Screwcap.

〈L1〉

		Pk.	Price, ₩
SL.Via3308.B	Cap Insert, PP, For Internal Thread Cryogenic Vial, Blue	50ea	6,300
SL.Via3308.V	, Violet	50ea	6,300
SL.Via3308.Y	, Yellow	50ea	6,300



(1)



(2)



Bottom Barcoded

CryoTain™ 1.2~5㎖ 2D Bottom Barcoded PP Sterile Cryovial, Graduated
Silicone-Ring Sealed, Self-standing, −196℃+121℃, 2D 바텀 바코드 멸균 냉동 바이알

■ Made in Korea ***■ 2D 바코드가 바이알의 바닥에 레이저 마킹이 되어있어 지워지지 않음***
■ These Vials are constructed of Polypropylene and 2D Barcode included on the bottom
■ Ideal for use with Liquid Nitrogen LN_2 Vapor Phase (Withstand -196℃+121℃).
∗ Vials are DNase/RNase-, and Endotoxin-free with Certificate. ∗ Good Finished ; for Smooth Working
∗ The 2D Code is laser etched into the Bottom of the Vial and is Indelible during Storage.
∗ Vials could be used with 2D Barcode Rack for easy Scanning. ∗ Irradiation Sterilization
∗ Warning : Do not use CryoTain™ Cryogenic Vials in the Liquid Phase of Liquid Nitrogen.

〈L1〉

(1) External Screwcaps

		Pk.	Price,₩	Cs.	Price,₩
SL.Via3301.2D	Cryovial, 2D Barcoded, External Thread, 1.2㎖, Φ12×h42mm	50ea	19,880	10pk	184,000
SL.Via3302.2D	, 2.0㎖, Φ12×h48mm	50ea	19,880	10pk	184,000
SL.Via3303.2D	, 5.0㎖, Φ12×h86mm	25ea	19,880	10pk	184,000

(2) Internal Screwcaps

		Pk.	Price,₩	Cs.	Price,₩
SL.Via3305.2D	Cryovial, 2D Barcoded, Internal Thread, 1.2㎖, Φ12×h42mm	50ea	19,880	10pk	184,000
SL.Via3306.2D	, 2.0㎖, Φ12×h48mm	50ea	19,880	10pk	184,000





Wall & Bottom Barcoded

CryoTain™ 1.2~5㎖ 1D & 2D Wall & Bottom Barcoded PP Sterile Cryovial, External Thread
Silicone-Ring Sealed, Self-standing, −196℃+121℃, 1D & 2D 월-바텀 바코드 멸균 냉동 바이알

■ Made in Korea ***■ 2D 바코드가 바이알의 바닥에 레이저 마킹이 되어있어 지워지지 않음***
■ These Vials are constructed of Polypropylene and 1D & 2D Barcode included on the Side and Bottom.
■ Ideal for use with Liquid Nitrogen LN_2 Vapor phase (ithstand -196℃+121℃).
∗ Withstand Temperature between -196℃+121℃ ∗ Vials are DNase/RNase-, and Endotoxin-free with Certificate.
∗ Warning : Do not use CryoTain™ Cryogenic Vials in the Liquid Phase of Liquid Nitrogen. ∗ Irradiation Sterilization
∗ Vials could be used with 2D Barcode Rack for easy Scanning. ∗ Good Finished ; for Smooth Working.

〈L1〉

▶ **Fine Graduation**

		Pk.	Price,₩	Cs.	Price,₩
SL.Via3301.BD	Cryovial, 1D&2D Barcoded, External Thread, 1.2㎖, Φ12×h42mm	50ea	21,990	10pk	203,500
SL.Via3302.BD	, 2.0㎖, Φ12×h48mm	50ea	21,990	10pk	203,500
SL.Via3303.BD	, 5.0㎖, Φ12×h86mm	25ea	21,990	10pk	203,500

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



CryoTain™ 1.2~5㎖ 1D & 2D Barcoded Sterile Cryovial & PC Rack-Set, 81 Cryovials
1D Barcode in the Rack, −196℃+121℃, 1D & 2D 바코드 멸균 냉동 바이알과 랙 세트

■ Made in Korea ***■ 바코드가 바이알의 바닥에 새겨져있어 랙에 꼽힌 상태에서 바로 스캔 가능***
■ "Rack-Set" contain 1D & 2D Barcoded 81 External Thread vials.
∗ Good Finished ; for Smooth Working ∗ Vials are DNase/RNase-, and Endotoxin-free with Certificate.
∗ Ideal for use with Liquid Nitrogen LN_2 Vapor phase ∗ PC Rack : Withstand Temperature between -196℃+121℃
∗ Vials could be used with 1D/2D Barcode PC Rack for easy Scanning. 〈L1〉
∗ Warning : Do not use CryoTain™ Cryogenic Vials in the Liquid Phase of Liquid Nitrogen.

		Pk-set Price,₩
SL.Via3301.ST	Cryovial Rack-Set, 1D/2D Barcode, External Thread, 81ea, 1.2㎖, Φ12×h42mm	93,400
SL.Via3302.ST	, 2.0㎖, Φ12×h48mm	93,400
SL.Via3303.ST	, 5.0㎖, Φ12×h86mm	133,400



CryoTain™ PC 81-hole Cryovial Rack, for 1.2 & 2.0㎖ or 5.0㎖ 2D Barcoded Cryovials
With Transparent Cover, Linear Barcode and Readable Code on the Side, 125/140℃, 2D 바코드 랙

■ Made in Korea ***■ 랙의 옆면에 1D바코드와 바닥면에 2D바코드가 마킹되어 식별의 자동화 가능***
∗ Made of Polycarbonate(PC), -196℃(in Vapor-phase)+125/140℃ ∗ Autoclavable ∗ Stackable
∗ Ideal for 1.2~5.0㎖ 2D Barcoded Cryovials Storage with Vapor phase of Liquid Nitrogen LN_2 ∗ Good Finished
∗ This 81 Holes Rack accommodates 1.2 & 2.0㎖ or 5.0㎖ 2D Barcoded Cryovials and will be allowed Fast, Easy and Accurate Scanning.
∗ A Linear Barcode and Human readable Code on the Side for fast Scanning and Distinction.
∗ A Transparent Cover allows the user to see the Contents of the Rack.
∗ 81Holes(9×9), (1) 130×130×h52mm(for 1.2/2.0㎖), (2) 130×130×h90mm(for 5.0㎖) 〈L1〉

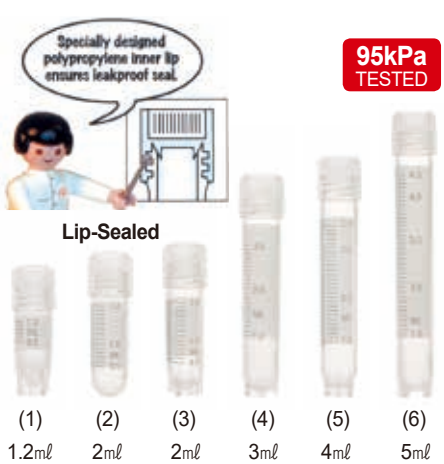
		Ea. Price,₩
SL.Rac3021	(1) Rack for 2D Barcoded Cryovials, 81holes, 1.2/2.0㎖ Vials, Green	58,000
SL.Rac3022	(2) , 5.0㎖ Vials, Violet	65,000



CryoTain™ 1.2 · 2 · 5㎖ Sterile Amber Cryogenic Vial, PP, External Thread, Self-standing
Silicone-Ring Sealed, −196℃+121℃, 멸균 냉동 갈색 바이알

■ Made in Korea ***■ With Silicone-washer Seal & External Thread Cap***
■ These Vials are constructed of Medical Grade Polypropylene and sterilized by Irradiation.
∗ Ideal for use with Liquid Nitrogen LN_2 Vapor phase, -196℃(in Vapor-phase) +121℃ ∗ Good Finished
∗ Warning : Do not use CryoTain™ Cryogenic Vials in the Liquid Phase of Liquid Nitrogen. 〈L1〉
∗ DNA·DNase·RNase·Pyrogen-free

		Pk.	Price, ₩	Cs.	Price, ₩
SL.Via3301.AM	Cryogenic Vial, Amber, External Tread, 1.2㎖, Φ12×h42 mm	50ea	16,200	10pk	150,000
SL.Via3302.AM	, 2.0㎖, Φ12×h48 mm	50ea	16,200	10pk	150,000
SL.Via3303.AM	, 5.0㎖, Φ12×h86 mm	25ea	16,200	10pk	150,000



Simport® Cryovial™ 1.2~5㎖ Sterile Cryogenic Vial, PP, with Graduation
With External Screwcap with inside Lip-Sealed, CryoVial® T309, −196℃+121℃
눈금부 멸균 냉동 바이알, 외부 스크류 캡(완벽한 내부 Lip Seal구조)

■ Supplied by Simport® in Canada ***■ Leakproof Lip Sealed / 별도의 링가스켓이 필요없음!***
∗ RNase, DNase, Pyrogen and DNA-Free ∗ −196℃(in the gas phase), Autoclavable Clear PP Vials.
∗ Outside Screwcaps, Lip(for Leakproof Seal) Structure : to Perfect-sealing inside Cap ∗ 95kPa Tested
∗ Convenience of Use : • Able to Open/Close easily and quickly of Caps
Cap Structure : able to Fix Color Insert(T312) for Identification
• Graduation, White Patch Area for Writing, Prevent to Damage by Thick Wall
∗ Sterile Clear Package : each 100 pcs in Sterile Inner Safety-lock Bags, 10×100 Vials/ Outer Case(Cs.) 〈L1〉

		Pk.	Price, ₩	Cs.	Price, ₩
SP.T309.1A	(1) Cryovial, 1.2㎖, Φ12.5×h42mm, Self-standing	100ea	43,600	10pk	414,930
SP.T309.2	(2) , 2.0㎖, Φ12.5×h47mm, Round-bottom	100ea	55,720	10pk	530,370
SP.T309.2A	(3) , 2.0㎖, Φ12.5×h49mm, Self-standing	100ea	43,600	10pk	414,930
SP.T309.3A	(4) , 3.0㎖, Φ12.5×h71mm, Self-standing	100ea	45,890	10pk	436,800
SP.T309.4A	(5) , 4.0㎖, Φ12.5×h77mm, Self-standing	100ea	62,190	10pk	591,970
SP.T309.5A	(6) , 5.0㎖, Φ12.5×h91mm, Self-standing	100ea	57,370	10pk	545,920



Simport® Cryovial™ Aluminum Cane, for 5×Cryogenic Vials (1.2~2㎖)
For Storage of Cryogenic Vials, in LN_2 Vapor phase Freezers, <USA-Made> 알루미늄 케인, 냉동바이알 보관용

∗ For Storage of Cryogenic Vials (1.2~2㎖) in Liquid Nitrogen Vapor phase Freezers such as Cell Storage Vessels or Dewars.
∗ High Purity Aluminum for 5ea Cryogenic Vials 〈L1〉

		Pk.	Price, ₩	Cs.	Price, ₩
SP.T313	Vial Cane, for 5 Vials, L290 mm	12ea	21,380	4pk	81,320

Articles	Cat. No	Description



Culture Vial, 4~12㎖

Wheaton® 4~12㎖ Culture Vial, with Deep-skirted Rubber Lined Cap
Ideal for Working with Infectious Material, 컬처 바이알, 캡포함

These culture vials feature deep-skirted screwcaps to allow safer, more dependable handling when working with infectious materials

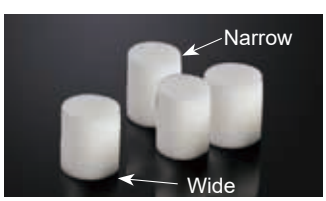
■ ***Supplied by Wheaton® in USA*** ∗ Pre-attached Solid-top Black Phenolic Screwcap with 14B rubber liner
∗ Autoclavable ∗ Vials are packaged in corrugated trays with partitions.(72pcs/Inner Pack, 144pcs/Outer Case)
∗ Use M-T Vial File (Cat. No. WH.228780) for storing 4㎖ Vials
∗ Manufactured from Wheaton 33 low extractable borosilicate glass that conforms to ASTM Type I, Class A and USP Type I Requirements. 〈L1〉

Cat. No		Pk.	Price, ₩	Cs.	Price, ₩
WH.225142	Vial, Culture, 4㎖ , Φ15×h51mm, Screw 13-415	72ea	132,070	2pk	244,470
WH.225144	, 8㎖ , Φ17×h70mm, Screw 15-415	72ea	144,900	2pk	268,280
WH.225145	, 12㎖, Φ19×h72mm, Screw 15-415	72ea	168,780	2pk	312,480

, Drosophila 초파리 배양 바이알



(1) & (2) PS Drosophila Vials



(3) Drosophila Stoppers, PE-Foam

PS Drosophila Vials, Glassy-Clear, Rigidity, od Φ25 & 28.5mm
Ideal for Drosophila Culture, Disposable Shell-type, −10℃+70/80℃ Stable, 초파리 배양 바이알

■ ***Supplied by SciLab Korea*** ∗ 2×Style : ① Φ 25×h 95mm : "Narrow Vials" ② Φ 28.5×h 95mm : "Wide Vials"
∗ 2×Packaging : ① Bulk-packed : 25 pcs/Inner Bags, 500pcs(20bag×25)/Outer Case
② Tray-packed : 100 pcs(10×10)/Inner Tray, 500pcs(5 Tray×100)/Outer Case
∗ Made of Premium Grade Polystyrene : Precision Molded
• Glassy-Clear, for Easy Sample Viewing • Ideal for Safety and Cost-saving Alternative to Glass Vials
• Optional Stopper : Made of High Density Foam and Ideal for Minimal Shedding as well as Reduce Evaporation 〈L2〉

(1) 25ea/Bag Bulk-Packed Vials, PS, Φ25 & 28.5mm

Cat. No		Pk.	Price, ₩	Cs.	Price, ₩
SL.Via3311	Vial, Drosophila, PS, Narrow, Φ 25×h 95mm, 25ea / Pk	25ea	7,040	500ea	129,670
SL.Via3313	, Wide, Φ 28.5×h 95mm, 25ea / Pk	25ea	7,040	500ea	129,670

(2) 100ea/Cell Tray-Packed Vials, PS, Φ25 & 28.5mm

Cat. No		Pk.	Price, ₩	Cs.	Price, ₩
SL.Via3312	Vial, Drosophila, PS, Narrow, Φ 25×h 95mm, 100ea / Tray	100ea	31,680	500ea	146,400
SL.Via3314	, Wide, Φ 28.5×h 95mm, 100ea / Tray	100ea	31,680	500ea	146,400

(3) Optional Drosophila Stoppers, PE-Foam

Cat. No		Pk.	Price, ₩
SL.Sto3001	Stopper only, for Narrow Vials(OD Φ25mm)	100ea	37,380
SL.Sto3002	, for Wide Vials(OD Φ28.5mm)	100ea	37,380

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



EPA Vials "Pack-Set", 20 ~ 60㎖

SciLab® 20~60㎖ EPA Vials, with 24-400 Opentop Screwcap & Septa "Pack-Set"
With "USP-I" Boro 5.0 Glass, Clear & Amber, 20~60㎖ EPA 바이알 Pack-Set

■ ***Supplied by SciLab Korea***

* "USP-I" Borosilicate Glass Vials : 24-400 Screw
* Φ24mm Septa : Natural PTFE / Silicone
* Ideal for Use in Water Sampling according to EPA 40 CFR 136, "Guidelines for Establishing Test Procedures for the Analysis of Pollutants."
* Cap : PP(Polypropylene), White-color, 24-400 Screw
* Cap are Packed Separately

With White PP Opentop Cap & Natural PTFE & Silicone Septa

<L1>

(1) Clear Glass, 20~60㎖ Vials "Pack-Set"

		Set.	Price, ₩
SL.Vi1271	Vial, Clear, 20㎖, Φ28×h57mm, Screw 24-400.	100ea	140,840
SL.Vi1275	, 30㎖, Φ28×h72.5mm, Screw 24-400.	100ea	149,630
SL.Vi1278	, 40㎖, Φ28×h95mm, Screw 24-400.	100ea	158,120
SL.Vi1281	, 60㎖, Φ30×h125mm, Screw 24-400.	100ea	187,520

(2) Amber Glass, 20~60㎖ Vials "Pack-Set"

		Set.	Price, ₩
SL.Vi1272	Vial, Amber, 20㎖, Φ28×h57mm, Screw 24-400.	100ea	148,990
SL.Vi1276	, 30㎖, Φ28×h72.5mm, Screw 24-400.	100ea	157,470
SL.Vi1279	, 40㎖, Φ28×h95mm, Screw 24-400.	100ea	166,270
SL.Vi1282	, 60㎖, Φ30×h125mm, Screw 24-400.	100ea	195,690



(1) Clear Vials (2) Amber Vials

SciLab® 20~60㎖ EPA Vials · 24-400 Screwcaps · Septa ; Separately
With "USP-I" Boro 5.0 Glass, Clear & Amber, 20~60㎖ EPA 바이알, 캡 & 셉타 각각 별매

■ ***Supplied by SciLab Korea***

* "USP-I" Borosilicate Glass Vials : 24-400 Screw
* Cap : PP(Polypropylene), White-color, 24-400 Screw
* Φ24mm Septa : Natural PTFE / Silicone
* Ideal for Use in Water Sampling according to EPA 40 CFR 136, "Guidelines for Establishing Test Procedures for the Analysis of Pollutants."

<L1>

(1) Clear Vials only

		Pk.	Price, ₩
SL.Vi1331	Vial, Clear, 20㎖, Φ28×h57mm, Screw 24-400.	100ea	48,190
SL.Vi1334	, 30㎖, Φ28×h70mm, Screw 24-400.	100ea	56,790
SL.Vi1337	, 40㎖, Φ28×h95mm, Screw 24-400.	100ea	65,500
SL.Vi1341	, 50㎖, Φ28×h122mm, Screw 24-400.	100ea	93,250
SL.Vi1344	, 60㎖, Φ30×h125mm, Screw 24-400.	100ea	94,890

(2) Amber Vials only

		Pk.	Price, ₩
SL.Vi1332	Vial, Amber, 20㎖, Φ28×h57mm, Screw 24-400.	100ea	56,350
SL.Vi1335	, 30㎖, Φ28×h70mm, Screw 24-400.	100ea	64,850
SL.Vi1338	, 40㎖, Φ28×h95mm, Screw 24-400.	100ea	73,640
SL.Vi1342	, 50㎖, Φ28×h122mm, Screw 24-400.	100ea	101,440
SL.Vi1345	, 60㎖, Φ30×h125mm, Screw 24-400.	100ea	103,050



(1) Clear Vials (2) Amber Vials

(3) Natural PTFE/Silicone Septa lined Opentop Cap

(3) Natural PTFE & Silicone Septa lined Opentop Cap

		Pk.	Price, ₩
SL.Vi1285	Cap, PP, White-color, Opentop, Screw 24-400.	100ea	92,680



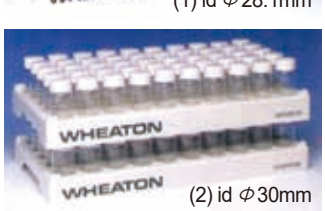
(4) 24-400 Screwcap & 24mm Septa

(4) 24-400 PP Opentop Screwcap & 24mm Septa only

		Pk.	Price, ₩
SL.Vi1288	Cap, Screw24-400, without Septa	100ea	20,240
SL.Vi1286	Septa, with Natural PTFE / Silicone Septa, Φ24×thickness 3mm.	100ea	66,950
SL.Vi1287	, Φ24×thickness 2mm.	100ea	66,230



(1) id Φ28.1mm



(2) id Φ30mm

Wheaton® 50-holes PP White-gray Vial Rack, Heat Resistant at −10℃+125/140℃
50-holes(5×10)/id Φ28.1~30mm, Autoclavable, Stackable, 50홀 바이알 랙

■ ***Supplied by Wheaton® in USA***
■ ***우수한 내약품성 / 내열성을 가진 튼튼한 구조의 중첩 가능한 PP랙***
■ ***Made of Polypropylene : Easy to Clean and Autoclavable***
■ ***Alphanumeric Indexing Indicated on Rack***

* Sturdy & Stackable, even when the vials are in place
* Size of rack depends on vial OD
* Each Well : Opening in the Bottom to facilitate drainage

<L1>

(1) 50-holes Rack, with id Φ28.1mm Hole Dia

		Ea.	Price,₩	Cs.	Price,₩
WH.868806	Rack, 50-hole, 5 deep×10 wide, 17×32×h3cm		117,320	5ea	542,950

(2) 50-holes Rack, with id Φ30mm Hole Dia.

		Ea.	Price,₩	Cs.	Price,₩
WH.868808	Rack, 50-hole, 5 deep×10 wide, 17×33.7×h3cm		123,140	5ea	569,940

Articles	Cat. No	Description



(1) (2)



(3) Vial Only, 20~40㎖



Packaged in Convenient Tray



(4) White PP Opentop Cap / Septa



(5) Black Phenolic Opentop Cap and Septa



(6) Black Phenolic Close Cap / Septa

Wheaton® Premium 20~40㎖ EPA Vials and Screwcaps, ASTM · EPA · ISO · USP

With Clear & Amber, Packaged in Convenient Tray, 20~40㎖ EPA 프리미엄 바이알, 캡 별도

■ ***Supplied by Wheaton® in USA***

* Ideal for Use in Water Sampling according to EPA 40 CFR 136, "Guidelines for Establishing Test Procedures for the Analysis of Pollutants".
* Clear Vials manufactured from WHEATON 33 low extractable borosilicate glass that conforms to USP Type I and ASTM E 438 Type I, Class A requirements.
* Amber Vials manufactured from WHEATON 320 amber glass that conforms to USP Type I requirements for light transmission to protect light-sensitive products.
* Caps attached to Vials.
* Vials Packaged in Convenient Trays for Ease of Use (36pc / Inner Pack, 72pcs / Outer Case)
* Fully Autoclavable

Vials, with White PP Open-top Screwcap & PTFE Faced Silicone Septa "Heavy"

* 3.2mm Thick Septa : 0.2mm PTFE / 3mm Silicone
* Ideal for Long Time Injection and Heavy Working

〈L1〉

(1) Clear Vials, White Open-top Cap attached, 20 & 25㎖

		Pk.	Price, ₩	Cs.	Price,₩
WH.W224609	Vial "EPA", Clear, 20㎖, Φ28×60mm, Screw 24-400	36ea	199,790	2pk	369,940
WH.W224610	, 25㎖, Φ28×73mm, Screw 24-400	36ea	207,330	2pk	383,890

(2) Amber Vials, White Open-top Cap attached, 20 & 40㎖

		Pk.	Price, ₩	Cs.	Price,₩
WH.W224612	Vial "EPA", Amber, 20㎖, Φ28×60mm, Screw 24-400	36ea	203,530	2pk	376,880
WH.W224614	, 40㎖, Φ28×98mm, Screw 24-400	36ea	252,630	2pk	467,800

(3) Vial only, 20 · 25 · 40㎖, Clear & Amber

		Pk.	Price, ₩	Cs.	Price,₩
WH.224831	Vial only, Clear, 20㎖, Φ28×h57mm, Screw 24-400	100ea	263,240	2pk	487,430
WH.224832	, 25㎖, Φ28×h70mm, Screw 24-400	100ea	302,900	2pk	560,850
WH.224833	, 40㎖, Φ28×h95mm, Screw 24-400	100ea	299,820	2pk	555,150
WH.W224815	, Amber, 20㎖, Φ28×h57mm, Screw 24-400	100ea	258,900	2pk	479,400
WH.224836	, 40㎖, Φ28×h95mm, Screw 24-400	100ea	337,550	2pk	625,030

(4) Open-top Screwcap 24-400 with Teflon Septa, White, PP

		Cs.	Price,₩
WH.W224600	Cap, with Teflon / Silicone Septa, 24-400	200ea	744,420

(5) Open-top Screwcap 24-400 and Teflon Septa Φ24 mm, Separately

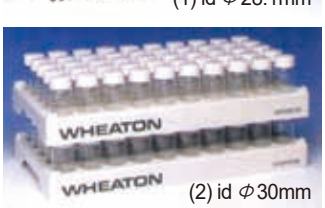
		dh pk.	Price, ₩	Cs.	Price,₩
WH.W240518	Cap, Open-top, Screw 24-400	1ea	1,180	200ea	188,200
WH.W240588B	Septa, Teflon / Silicone, Φ24mm	1ea	6,600	100ea	546,140
WH.W240599	, Teflon / Silicone / Teflon, Φ24mm	1ea	4,400	100ea	362,490

(6) Closed-top Screwcap, with Teflon Liner

		dh pk.	Price, ₩	Cs.	Price,₩
WH.240418	Cap, with Teflon Liner, Screw 24-400	1ea	5,590	100ea	461,920



(1) id Φ28.1mm



(2) id Φ30mm

Wheaton® 50-holes PP White-gray Vial Rack, Heat Resistant at −10℃+125/140℃

50-holes(5×10)/id Φ28.1~30mm, Autoclavable, Stackable, 50홀 바이알 랙

■ ***Supplied by Wheaton® in USA***
■ ***우수한 내약품성/내열성을 가진 튼튼한 구조의 중첩 가능한 PP랙***
■ ***Made of Polypropylene : Easy to Clean and Autoclavable***
■ ***Alphanumeric Indexing Indicated on Rack***

* Sturdy & Stackable, even when the vials are in place
* Each Well : Opening in the Bottom to facilitate drainage
* Size of rack depends on vial OD

〈L1〉

(1) 50-holes Rack, with id Φ28.1mm Hole Dia

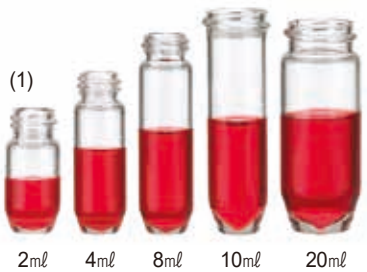
		Ea.	Price,₩	Cs.	Price,₩
WH.868806	Rack, 50-hole, 5 deep×10 wide, 17×32×h3cm		117,320	5ea	542,950

(2) 50-holes Rack, with id Φ30mm Hole Dia.

		Ea.	Price,₩	Cs.	Price,₩
WH.868808	Rack, 50-hole, 5 deep×10 wide, 17×33.7×h3cm		123,140	5ea	569,940

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



Wheaton® 2~20㎖ E-Z Ex-Traction® Vials and Caps, with Unique Conical Bottom
For Maximum Sample Recovery, without Screwcap, <USA-Made> 시료 고회수용 바이알

* Quality Engineered for Automated Sample Handling Systems
* Conical well ensures Max Sample Recovery
* Chemical Compound or Biological Sample Storage
* ASTM Class A / USP Type I Standards, Boro. α 3.3

<L1>

(1) Vial only, 2~20㎖

		Ea. Price,₩	Cs.	Price,₩
WH.W224601	Vial, 2㎖, Φ15×32mm, Screw 13-425	6,930	250ea	1,591,330
WH.W224613	, 4㎖, Φ15×45mm, Screw 13-425	7,080	250ea	1,626,070
WH.W224618	, 8㎖, Φ16.75×60mm, Screw 15-425	7,330	250ea	1,685,180
WH.W224630	, 10㎖, Φ19×70mm, Screw 22-400	7,790	100ea	715,190
WH.W224634	, 20㎖, Φ26.5×67mm, Screw 24-400	8,980	100ea	826,500



(2) Black Solid-top Screwcap

(2) Black Phenolic Solid-top Cap, with Tef./Rub. Liner

		Ea. Price,₩	Cs.	Price,₩
WH.240408	Cap, Solid-top, Black, w / Tef. / Rub. Liner, Screw 13-425	2,650	200ea	432,390
WH.240409	, Screw 15-425	2,880	250ea	469,490
WH.W240824	, Screw 22-400	5,180	100ea	425,850
WH.240418	, Screw 24-400	5,590	100ea	461,920



0.6·2·5㎖ Amber "V"-Vial, Max Sample Recovery, Boro-glass 3.3 & 5.0, with V-Conical Bottom
Ideal for Micro-Storage, Medicine Packaging, Trace Biological Preparation, 갈색 V-바이알, 스크류캡 and 셉타 별매

■ *내부 인서트 고정 타입 및 Glass 일체형 갈색 V-바이알, 소량 샘플 보관 우수, 시료 고회수*

<L1>

1. SciLab® 0.6㎖ Amber "V" Vial, without Cap & Septa * Boro glass 5.0

		Pk.	Price, ₩
SL.Vi1401	Vial, V, Amber, 0.6㎖, Screw 13-425, Φ15×h35mm	100ea	130,420

2. Wheaton® 2 & 5㎖ Amber "V" Vial, without Cap & Septa * Boro glass 3.3

		Ea. Price,₩	Cs.	Price,₩
WH.W986316NG	Vial, V, Amber, 2.0㎖, Screw 20-400, Φ20×h44mm	34,580	12ea	383,790
WH.W986319NG	, 5.0㎖, Screw 20-400, Φ20×h65 mm	38,430	12ea	426,630



Optional Screwcaps & Septa

		dh pk. Price,₩		Pk.	Price,₩
SL.Vi1164	(1) Cap, Screw 13-425, Black, PP, Closetop, with PTFE/Silicone Septa			100ea	40,350
SL.Vi1166	(2) , Opentop, with PTFE/Silicone Septa			100ea	40,350
WH.240416	(3) , Screw 20-400, Black, Phenol Resin, Closetop, PTFE/SB-R Septa	1ea	5,320	100ea	438,650
WH.W240516	(4) , Opentop, without Septa	1ea	950	200ea	152,520
WH.W240586A	(5) Septa, 20mm, PTFE/Silicone	1ea	5,880	100ea	484,930









Wheaton® 0.1~10㎖ Multi-use "V"-Vials with Crimp-top & Screw-top, ASTM · USP · ISO
Ideal for Small-scale Test, <USA-Made> 다용도 V-바이알

■ *Glass 일체형 내부 V-Conical wall / -Botton으로 시료 절약 및 완벽한 시액 체취에 적합*

* ASTM Class A / USP Type I Standards, Boro. α 3.3
* Conical Interior Provides Downward Drainage for Maximum Sample Retrieval.
* Ideal for Small-scale reaction, Centrifugation, Storage, Packaging and Autosamplers

<L1>

(1) Crimp Top V-Vials without Seals/Septa

		Ea. Price,₩	Cs.	Price,₩
WH.W986211NG	Vial, V, 0.1 ㎖, Neck id 5 ×od 11 mm, Φ12×h32 mm	21,500	12ea	238,250
WH.W986212NG	, 0.3 ㎖, Neck id 5 ×od 11 mm, Φ12×h32 mm	26,630	12ea	295,450
WH.W986213NG	, 0.3 ㎖, Neck id 7 ×od 13 mm, Φ13×h32 mm	18,170	12ea	201,180
WH.W986214NG	, 1.0 ㎖, Neck id 7 ×od 13 mm, Φ13×h41 mm	20,720	12ea	229,680
WH.W986216NG	, 2.0 ㎖, Neck id 13×od 20 mm, Φ20×h40 mm	33,440	12ea	370,920
WH.W986217NG	, 3.0 ㎖, Neck id 13×od 20 mm, Φ20×h46 mm	33,670	12ea	373,400
WH.W986219NG	, 5.0 ㎖, Neck id 13×od 20 mm, Φ20×h61 mm	33,530	12ea	371,870

(2) V-Vials, Graduated with Closed-top Cap with Teflon Liner

		Ea. Price,₩	Cs.	Price,₩
WH.W986273NG	Vial, V, 0.3 ㎖, Φ13×h35 mm, Cap 13-425	23,870	12ea	264,490
WH.W986274NG	, 1.0 ㎖, Φ13×h44 mm, Cap 13-425	27,050	12ea	299,970
WH.W986276NG	, 2.0 ㎖, Φ17×h61 mm, Cap 15-415	33,070	12ea	366,490
WH.W986272NG	, 2.0 ㎖, Φ20×h44 mm, Cap 20-400	33,070	12ea	366,490
WH.W986277NG	, 3.0 ㎖, Φ20×h50 mm, Cap 20-400	32,400	12ea	359,440
WH.W986279NG	, 5.0 ㎖, Φ20×h65 mm, Cap 20-400	32,670	12ea	362,650
WH.W986260NG	, 10.0 ㎖, Φ24×h72 mm, Cap 24-400	60,480	6ea	335,670

(3) V-Vials, Graduated with Open-top Cap & Teflon Septa

* Ideal for Needle Injection
* 10㎖ ; No Graduated "*"

		Ea. Price,₩	Cs.	Price,₩
WH.W986281NG	Vial, V, 0.1 ㎖, Φ12×h35 mm, w/ Septa & Cap 8-425	31,470	12ea	349,100
WH.W986294NG	, 1.0 ㎖, Φ13×h44 mm, w/ Septa & Cap 13-425	27,540	12ea	305,340
WH.W986297NG	, 3.0 ㎖, Φ20×h50 mm, w/ Septa & Cap 20-400	33,840	12ea	375,420
WH.W986299NG	, 5.0 ㎖, Φ20×h65 mm, w/ Septa & Cap 20-400	36,980	12ea	410,440
WH.W986290NG*	, 10.0 ㎖, Φ24×h72 mm, w/ Septa & Cap 24-400	60,480	6ea	335,670

Articles	Cat. No	Description



2~12㎖ Sample Vials "Pack-Set"

SciLab® 2~12㎖ Sample Vials, with Black PP Screwcap & PTFE/Silicone Septa "Pack-Set"
With "USP-I" Boro 5.0 Glass, Clear & Amber, 2~12㎖ 샘플 바이알 Pack-Set

■ ***Supplied by SciLab Korea***

∗ "USP-I" Borosilicate Glass Vials, 2㎖~12㎖ ∗ 9-425 Screwcap only : Blue PP, White PTFE/ Red Silicone Septa
∗ Black Cap : PP (Polypropylene), Closetop with Septa ∗ Ideal for Sampling and Storage

〈L1〉

(1) with Natural PTFE/Silicone Septa lined Cap

		Pk.	Price, ₩
SL.Vi1051	**Clear Vial**, 2㎖, Φ12×h32mm, Screw 9-425	100ea	60,370
SL.Vi1146	, 4㎖, Φ15×h45mm, Screw 13-425	100ea	75,720
SL.Vi1214	, 6㎖, Φ17×h56mm, Screw 15-425	100ea	91,080
SL.Vi1221	, 8㎖, Φ17×h60mm, Screw 15-425	100ea	88,700
SL.Vi1243	, 10㎖, Φ19×h56mm, Screw 15-425	100ea	101,500
SL.Vi1251	, 12㎖, Φ19×h66mm, Screw 15-425	100ea	105,530
SL.Vi1052	**Amber Vial**, 2㎖, Φ12×h32mm, Screw 9-425	100ea	65,290
SL.Vi1147	, 4㎖, Φ15×h45mm, Screw 13-425	100ea	89,440
SL.Vi1215	, 6㎖, Φ17×h56mm, Screw 15-425	100ea	94,380
SL.Vi1222	, 8㎖, Φ17×h60mm, Screw 15-425	100ea	90,490
SL.Vi1244	, 10㎖, Φ19×h56mm, Screw 15-425	100ea	110,280
SL.Vi1252	, 12㎖, Φ19×h66mm, Screw 15-425	100ea	105,530



Clear Vial Pack-Set, 2~12㎖ | Amber Vial Pack-Set, 2~12㎖

(2) with PE Septa lined Cap

		Pk.	Price, ₩
SL.Vi1223	Vial, 8㎖, Clear, Φ17×h60mm, Screw 15-425	100ea	66,350
SL.Vi1224	, Amber, Φ17×h60mm, Screw 15-425	100ea	66,950
SL.Vi1253	, 12㎖, Clear, Φ19×h66mm, Screw 15-425	100ea	82,290
SL.Vi1254	, Amber, Φ19×h66mm, Screw 15-425	100ea	82,290

SciLab® 2~12㎖ Sample Vials, Black PP Screwcaps & PTFE Lined Septa ; Separately
With "USP-I" Boro 5.0 Glass, Clear & Amber, 2~12㎖ 샘플 바이알, 캡 & 셉타 각각 별매

■ ***Supplied by SciLab Korea***

∗ "USP-I" Borosilicate Glass Vials, 2㎖~12㎖ ∗ 9-425 Screwcap only : Blue PP, White PTFE/ Red Silicone Septa
∗ Cap : PP (Polypropylene), Closetop or Opentop ∗ Ideal for Sampling and Storage

〈L1〉



(1) Clear & Amber Vials only

(1) Clear & Amber Vials only

		Pk.	Price, ₩
SL.Vi1061	**Clear Vial**, 2㎖, Φ12×h32mm, Screw 9-425	100ea	30,570
SL.Vi1151	, 4㎖, Φ15×h45mm, Screw 13-425	100ea	35,720
SL.Vi1211	, 6㎖, Φ17×h56mm, Screw 15-425	100ea	44,140
SL.Vi1226	, 8㎖, Φ17×h60mm, Screw 15-425	100ea	47,850
SL.Vi1241	, 10㎖, Φ19×h56mm, Screw 15-425	100ea	47,930
SL.Vi1256	, 12㎖, Φ19×h66mm, Screw 15-425	100ea	50,790
SL.Vi1063	**Amber Vial**, 2㎖, Φ12×h32mm, Screw 9-425	100ea	35,720
SL.Vi1153	, 4㎖, Φ15×h45mm, Screw 13-425	100ea	49,020
SL.Vi1212	, 6㎖, Φ17×h56mm, Screw 15-425	100ea	55,200
SL.Vi1228	, 8㎖, Φ17×h60mm, Screw 15-425	100ea	49,680
SL.Vi1242	, 10㎖, Φ19×h56mm, Screw 15-425	100ea	57,140
SL.Vi1257	, 12㎖, Φ19×h66mm, Screw 15-425	100ea	50,790



(2) Natural PTFE / Silicone Septa lined "Closetop Cap"



(3) Natural PTFE / Silicone Septa lined "Opentop Cap"

(2) Closetop Cap, with Natural PTFE & Silicone Septa

		Pk.	Price, ₩
SL.Vi1075	Cap, Closetop, Blue, Screw 9-425, with White PTFE / Red Silicone Septa	100ea	30,150
SL.Vi1164	, Black, Screw 13-425, with Natural PTFE / Silicone Septa	100ea	40,350
SL.Vi1231	, Screw 15-425, with Natural PTFE / Silicone Septa	100ea	54,790



(4) PE Septa lined Cap



(5) Opentop Cap

(3) Opentop Cap, with Natural PTFE & Silicone Septa

		Pk.	Price, ₩
SL.Vi1232	Cap, Opentop, Black, Screw 15-425, with Natural PTFE / Silicone Septa	100ea	54,790

(4) PE Septa lined PP Cap

		Pk.	Price, ₩
SL.Vi1233	Cap, Closetop, Black, Screw 15-425, with PE Septa	100ea	32,800

(5) PP Opentop Cap only

		Pk.	Price, ₩
SL.Vi1072	Cap, Opentop, Blue, Screw 9-425, without Septa	100ea	7,680
SL.Vi1161	, Black, Screw 13-425, without Septa	100ea	9,450



(6) Septa

(6) Septa only

		Pk.	Price, ₩
SL.Vi1067	Septa, 9mm, White PTFE / Red Silicone	100ea	19,990
SL.Vi1068	, Red PTFE / White Silicone	100ea	19,990
SL.Vi1069	, Red PTFE / White Silicone / Red PTFE	100ea	30,150
SL.Vi1156	, 13mm, White PTFE / Red Silicone	100ea	28,000
SL.Vi1157	, Red PTFE / White Silicone	100ea	28,000

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



Pack-Set : Vial + Septa & Cap

SciLab® 6~16㎖ Sample Vials, with White PP Screwcap & Eco PE Septa "Pack-Set"
With "USP-I" Boro 5.0 Glass, Clear & Amber, Noraml-grade, 6~16㎖ 샘플 바이알 Pack-Set

■ ***Supplied by SciLab Korea***
* "USP-I" Borosilicate Glass Vials, 6~16㎖
* Septa : High-grade PE
* Ideal for Sampling and Storage

■ ***Good for Economical Operation***
* Cap : PP (Polypropylene), White Closetop with Septa



(1) Clear Vials (2) Amber Vials

(1) Clear Vials with Eco PE Septa lined Cap

〈L1〉

		Set.	Price, ₩
SL.Vi1216	Vial, Clear, 6㎖, Φ17×h56mm, Screw 15-425	100ea	69,130
SL.Vi1218	, 8㎖, Φ17×h60mm, Screw 15-425	100ea	86,140
SL.Vi1245	, 10㎖, Φ19×h56mm, Screw 15-425	100ea	79,570
SL.Vi1248	, 12㎖, Φ19×h66mm, Screw 15-425	100ea	82,290
SL.Vi1266	, 16㎖, Φ23×h57mm, Screw 20-400	100ea	75,750

(2) Amber Vials with Eco PE Septa lined Cap

		Set.	Price, ₩
SL.Vi1217	Vial, Amber, 6㎖, Φ17×h56mm, Screw 15-425	100ea	79,070
SL.Vi1219	, 8㎖, Φ17×h60mm, Screw 15-425	100ea	86,140
SL.Vi1246	, 10㎖, Φ19×h56mm, Screw 15-425	100ea	88,340
SL.Vi1249	, 12㎖, Φ19×h66mm, Screw 15-425	100ea	84,590
SL.Vi1267	, 16㎖, Φ23×h57mm, Screw 20-400	100ea	84,970

SciLab® 6~16㎖ Sample Vials & Eco PE Septa Lined White Cap ; Separately
With "USP-I" Boro 5.0 Glass, Clear & Amber, 6~16㎖ 샘플 바이알, 캡 & 셉타 각각 별매

■ ***Supplied by SciLab Korea***
* "USP-I" Borosilicate Glass Vials, 6~16㎖
* Ideal for Sampling and Storage
* Cap : PP (Polypropylene), White Closetop



(1) Clear Vials (2) Amber Vials

Vial + Septa / Cap
"Separately"



(3) Septa lined White PP Caps

(1) Clear Vials only

〈L1〉

		Pk.	Price, ₩
SL.Vi1211	Vial, Clear, 6㎖, Φ17×h56mm, Screw 15-425	100ea	44,140
SL.Vi1226	, 8㎖, Φ17×h60mm, Screw 15-425	100ea	47,850
SL.Vi1241	, 10㎖, Φ19×h56mm, Screw 15-425	100ea	47,930
SL.Vi1256	, 12㎖, Φ19×h66mm, Screw 15-425	100ea	50,790
SL.Vi1261	, 16㎖, Φ23×h57mm, Screw 20-400	100ea	47,850

(2) Amber Vials only

		Pk.	Price, ₩
SL.Vi1212	Vial, Amber, 6㎖, Φ17×h56mm, Screw 15-425	100ea	55,200
SL.Vi1228	, 8㎖, Φ17×h60mm, Screw 15-425	100ea	49,680
SL.Vi1242	, 10㎖, Φ19×h56mm, Screw 15-425	100ea	57,140
SL.Vi1257	, 12㎖, Φ19×h66mm, Screw 15-425	100ea	50,790
SL.Vi1262	, 16㎖, Φ23×h57mm, Screw 20-400	100ea	57,030

(3) Eco PE Septa lined White Cap

		Pk.	Price, ₩
SL.Vi1234	Cap, with Hi-PE Septa, Screw 15-425	100ea	27,620
SL.Vi1264	, Screw 20-400	100ea	33,920



PP, 21~90-holes Vial Rack, Assembly

SciLab® PP 21~90-hole Assembly Vial Rack, Short-form, Submersible
With Φ13~Φ30mm hole and 3Tiers, h40mm, Perforated Base, Autoclavable, 125/140℃
21/24/40/60/90-Holes 만능형 바이알 랙

■ ***Made in Korea*** ■ ***세척이 쉽고 가벼움. 간편한 조립으로 쉽게 사용***
* Made of Polypropylene, -196℃(in Vapor-phase) +125/140℃
* Good Finished ; for Smooth Working.
* Low-form Rack for Conical & Flat Bottom Tubes
* Suitable for 0.5~50㎖ (Φ13~Φ30mm) Tubes
* Autoclavable
* Can be used in Water Bath.

〈L1〉

		Ea. Price,₩	Pk.	Price, ₩
SL.Rac3091	Vial Rack, PP, 245×105×h40 mm, Φ13 mm×90 holes	6,000	10ea	58,200
SL.Rac3092	, Φ16 mm×60 holes	6,000	10ea	58,200
SL.Rac3093	, Φ20 mm×40 holes	6,000	10ea	58,200
SL.Rac3094	, Φ25 mm×24 holes	6,000	10ea	58,200
SL.Rac3095	, Φ30 mm×21 holes	6,000	10ea	58,200



Pack-Set : Vial + Septa & Cap

SciLab® 20~60㎖ Sample Vials, with 24-400 PP Screwcap & Septa "Pack-Set"
With "USP-I" Boro 5.0 Glass, Clear & Amber
20~60㎖ 샘플 바이알 Pack-Set, Septa 내장된 캡이 분리포장으로 된 팩세트

■ ***Supplied by SciLab Korea***

* "USP-I" Borosilicate Glass Vials : 20~60㎖, 24-400 Screw
* Cap : PP (Polypropylene), Black or White Closetop, 24-400 Screw
* Septa : PTFE / Silicone or High-grade PE
* General Purpose Vials
* Caps are packed separately



(1) with Natural PTFE & Silicone Septa lined Black Cap



(2) with High-grade PE Septa lined White Cap



(3) With White Opentop Cap with Natural PTFE & Silicone Septa lined

<L1>

(1) with Natural PTFE & Silicone Septa lined Black Cap, 20~60㎖

		Set.	Price, ₩
SL.Vi1294	**Clear Vial**, 20㎖, Φ28×h 57mm, Screw 24-400	100ea	149,230
SL.Vi1297	, 30㎖, Φ28×h 70mm, Screw 24-400	100ea	157,440
SL.Vi1301	, 40㎖, Φ28×h 95mm, Screw 24-400	100ea	166,220
SL.Vi1304	, 50㎖, Φ28×h122mm, Screw 24-400	100ea	193,650
SL.Vi1307	, 60㎖, Φ30×h125mm, Screw 24-400	100ea	195,290
SL.Vi1295	**Amber Vial**, 20㎖, Φ28×h 57mm, Screw 24-400	100ea	157,440
SL.Vi1298	, 30㎖, Φ28×h 70mm, Screw 24-400	100ea	165,680
SL.Vi1302	, 40㎖, Φ28×h 95mm, Screw 24-400	100ea	174,450
SL.Vi1305	, 50㎖, Φ28×h122mm, Screw 24-400	100ea	201,300
SL.Vi1308	, 60㎖, Φ30×h125mm, Screw 24-400	100ea	203,520

(2) Eco-Model with High-grade PE Septa lined White Cap, 20~60㎖

		Set.	Price, ₩
SL.Vi1311	**Clear Vial**, 20㎖, Φ28×h 57mm, Screw 24-400	100ea	92,190
SL.Vi1314	, 30㎖, Φ28×h 70mm, Screw 24-400	100ea	100,390
SL.Vi1317	, 40㎖, Φ28×h 95mm, Screw 24-400	100ea	109,180
SL.Vi1321	, 50㎖, Φ28×h122mm, Screw 24-400	100ea	136,040
SL.Vi1324	, 60㎖, Φ30×h125mm, Screw 24-400	100ea	138,250
SL.Vi1312	**Amber Vial**, 20㎖, Φ28×h 57mm, Screw 24-400	100ea	99,850
SL.Vi1315	, 30㎖, Φ28×h 70mm, Screw 24-400	100ea	108,630
SL.Vi1318	, 40㎖, Φ28×h 95mm, Screw 24-400	100ea	116,850
SL.Vi1322	, 50㎖, Φ28×h122mm, Screw 24-400	100ea	144,280
SL.Vi1325	, 60㎖, Φ30×h125mm, Screw 24-400	100ea	145,930

(3) Opentop Model with Natural PTFE & Silicone Septa lined Opentop Cap, 20~60㎖

		Pk.	Price, ₩
SL.Vi1271	**Clear Vial**, 20㎖, Φ28×h57.0mm, Screw 24-400	100ea	140,840
SL.Vi1275	, 30㎖, Φ28×h72.5mm, Screw 24-400	100ea	149,630
SL.Vi1278	, 40㎖, Φ28×h95.0mm, Screw 24-400	100ea	158,120
SL.Vi1281	, 60㎖, Φ30×h125mm, Screw 24-400	100ea	187,520
SL.Vi1272	**Amber Vial**, 20㎖, Φ28×h57.0mm, Screw 24-400	100ea	148,990
SL.Vi1276	, 30㎖, Φ28×h72.5mm, Screw 24-400	100ea	157,470
SL.Vi1279	, 40㎖, Φ28×h95.0mm, Screw 24-400	100ea	166,270
SL.Vi1282	, 60㎖, Φ30×h125mm, Screw 24-400	100ea	195,690

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



(1) & (2)
Vials only



(1) Clear Vials (2) Amber Vials



(3), (4), (5) 24-400 Screwcaps with Septa



(6) 24-400 Screwcap without Septa & 24mm Septa

SciLab® 20~60㎖ Sample Vials · Septa Lined 24-400 Screwcaps ; Separately

With "USP-I" Boro 5.0 Glass, Clear & Amber, 20~60㎖ **샘플 바이알, 캡 & 셉타 각각 별매**

■ ***Supplied by SciLab Korea***

∗ "USP-I" Borosilicate Glass Vials : 20~60㎖, 24-400 Screw
∗ Cap : PP (Polypropylene), Black or White, 24-400 Screw
∗ General Purpose Vials
∗ Septa : PTFE / Silicone or High-grade PE

〈L1〉

(1) Clear Vials only

		Pk.	Price, ₩
SL.Vi1331	Vial, Clear, 20㎖, Φ28×h 57mm, Screw 24-400	100ea	48,190
SL.Vi1334	, 30㎖, Φ28×h 70mm, Screw 24-400	100ea	56,790
SL.Vi1337	, 40㎖, Φ28×h 95mm, Screw 24-400	100ea	65,500
SL.Vi1341	, 50㎖, Φ28×h122mm, Screw 24-400	100ea	93,250
SL.Vi1344	, 60㎖, Φ30×h125mm, Screw 24-400	100ea	94,890

(2) Amber Vials only

		Pk.	Price, ₩
SL.Vi1332	Vial, Amber, 20㎖, Φ28×h 57mm, Screw 24-400	100ea	56,350
SL.Vi1335	, 30㎖, Φ28×h 70mm, Screw 24-400	100ea	64,850
SL.Vi1338	, 40㎖, Φ28×h 95mm, Screw 24-400	100ea	73,640
SL.Vi1342	, 50㎖, Φ28×h122mm, Screw 24-400	100ea	101,440
SL.Vi1345	, 60㎖, Φ30×h125mm, Screw 24-400	100ea	103,050

(3) Natural PTFE & Silicone Septa lined Closetop Cap

		Pk.	Price, ₩
SL.Vi1354	Cap, Black-color, Screw 24-400	100ea	102,980
SL.Vi1352	, White-color, Screw 24-400	100ea	102,980

(4) Natural PTFE & Silicone Septa lined Opentop Cap

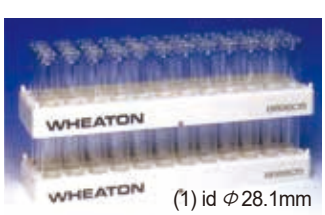
		Pk.	Price, ₩
SL.Vi1353	Cap, Black-color, Screw 24-400	100ea	102,980

(5) PE Septa lined Closetop Cap

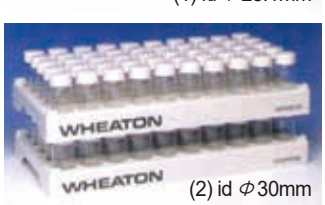
		Pk.	Price, ₩
SL.Vi1357	Cap, Black-color, Screw 24-400	100ea	45,050
SL.Vi1355	, White-color, Screw 24-400	100ea	44,990

(6) 24-400 Opentop Screwcap without Septa & 24mm Septa

		Pk.	Price, ₩
SL.Vi1351	Cap, Opentop, Black-color, without Septa	100ea	28,630
SL.Vi1288	, White-color, without Septa	100ea	20,240
SL.Vi1286	Septa, Natural PTFE / Silicone, thickness 3mm	100ea	66,950
SL.Vi1287	, thickness 2mm	100ea	66,230



(1) id Φ28.1mm



(2) id Φ30mm

Wheaton® 50-holes PP White-gray Vial Rack, Heat Resistant at −10℃+125/140℃

50-holes(5×10)/id Φ28.1~30mm, Autoclavable, Stackable, 50홀 **바이알 랙**

■ ***Supplied by Wheaton® in USA***
■ ***우수한 내약품성 / 내열성을 가진 튼튼한 구조의 중첩 가능한 PP랙***
■ ***Made of Polypropylene : Easy to Clean and Autoclavable***
■ ***Alphanumeric Indexing Indicated on Rack***

∗ Sturdy & Stackable, even when the vials are in place
∗ Each Well : Opening in the Bottom to facilitate drainage
∗ Size of rack depends on vial OD

〈L1〉

(1) 50-holes Rack, with id Φ28.1mm Hole Dia

		Ea.	Price,₩	Cs.	Price,₩
WH.868806	Rack, 50-hole, 5 deep×10 wide, 17×32×h3cm		117,320	5ea	542,950

(2) 50-holes Rack, with id Φ30mm Hole Dia.

		Ea.	Price,₩	Cs.	Price,₩
WH.868808	Rack, 50-hole, 5 deep×10 wide, 17×33.7×h3cm		123,140	5ea	569,940



Partitional Cell Tray

Lab-File® Sample Vials

Wheaton® Premium 2~40㎖ Sample Vial-Set, with Caps Attached in Lab-File® Packed in Partitional Cell Tray, ASTM · USP · ISO, 고급형 바이알세트

■ ***Supplied by Wheaton® in USA*** ■ ***Screwcap이 Vial에 끼워져서 Cell Tray Lab-File에 포장된 Vial***

* Vials in Lab File case are packed in Cell-tray with partitions
* Clear Glass Vials with Phenolic Screwcap with White Rubber Liner : Autoclavable
* Sample Vials with Caps Attached to Vial Help Maintain Cleanliness.
* Lab File® with Partitioned trays provides an easy way to inventory samples or to store empty vials.
* Clear Vials Conform to USP Type I and ASTM E 438 Type I, Class A Requirements.
* Amber Vials made from Borosilicate Glass that Conforms to USP Type I requirements



(1) Clear Glass



(2) Amber Glass

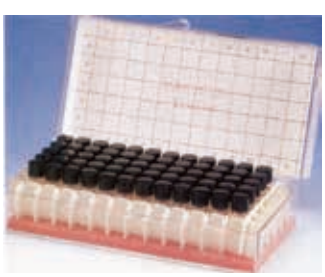
〈L1〉

(1) Clear Glass, with White Rubber lined Cap, 2~40㎖

		Cs.	Price, ₩
WH.224881	Vial, Clear, 2㎖, Φ12×h38 mm, Cap 8-425	288ea	414,330
WH.224882	, 4㎖, Φ15×h48 mm, Cap 13-425	144ea	221,800
WH.224884	, 8㎖, Φ17×h63 mm, Cap 15-425	144ea	257,800
WH.224885	, 12㎖, Φ19×h68 mm, Cap 15-425	144ea	301,190
WH.224886	, 16㎖, Φ21×h73 mm, Cap 18-400	144ea	379,390
WH.224888	, 24㎖, Φ23×h88 mm, Cap 20-400	144ea	456,850
WH.225288	, 20㎖, Φ27.75×h60 mm, Cap 24-400	72ea	210,530
WH.225289	, 25㎖, Φ27.75×h73 mm, Cap 24-400	72ea	226,790
WH.225290	, 40㎖, Φ27.75×h98 mm, Cap 24-400	72ea	231,680
WH.225012	Vial, Clear, w/ White Marking Area, 4 ㎖, Φ15×h48 mm, Cap 13-425	144ea	291,230
WH.225014	, 8 ㎖, Φ17×h63 mm, Cap 15-425	144ea	329,570

(2) Amber Glass, with White Rubber lined Cap, 2~8㎖

		Cs.	Price, ₩
WH.224981	Vial, Amber, 2㎖, Φ12×h38 mm, Cap 8-425	288ea	443,620
WH.224982	, 4㎖, Φ15×h48 mm, Cap 13-425	144ea	244,470
WH.224984	, 8㎖, Φ17×h63 mm, Cap 15-425	144ea	279,870



Vials in Storage File

Wheaton® Premium Vials in Storage-File/Box, Good for Chromatography Vials With PS Box with Partitions & Alpha-numerical Index, 바이알 파일에 들어있는 바이알

■ ***Supplied by Wheaton® in USA*** ■ ***가로×세로 Alpha-Numeric Index Card가 포함된 PS File / Box와 함께 공급***
■ ***File 뚜껑은 경첩식으로 Body에 붙어 있으며 다용도 Rack / Storage Box로 활용됨***

* Polystyrene Case with Partitions, Foam Inserts and Alphanumerical Indexing Card Organize and Protect Vials
* Clear Vials are manufactured from Low Extractable Borosilicate Glass that conforms to USP Type I and ASTM E 438 Type I, Class A Requirements * with Black Phenolic Screwcap, Autoclavable * Caps attached to vials
* Amber Vials made from Borosilicate Glass that conforms to USP Type I Requirements for Light Transmission to Protect Light-sensitive Products

〈L1〉

(1) With Rubber Lined Closed-Top Cap, Clear 2 & 4㎖ Vials

		Cs.	Price, ₩
WH.224891	Vial, 2㎖, 60 Vials in Storage Box, Φ12×h38 mm, Cap 8-425	60ea	187,150
WH.224892	, 4㎖, 40 Vials in Storage Box, Φ15×h48 mm, Cap 13-425	40ea	145,500

(2) With Teflon Lined Closed-Top Cap, Clear 2 & 4㎖

		Cs.	Price, ₩
WH.W224693	Vial, 2㎖, 60 Vials in Storage Box, Φ12×h38 mm, Cap 8-425	60ea	218,590
WH.W224694	, 4㎖, 40 Vials in Storage Box, Φ15×h48 mm, Cap 13-425	40ea	165,690

(3) With Teflon Lined Closed-Top Cap, with Amber Glass 2 & 4㎖

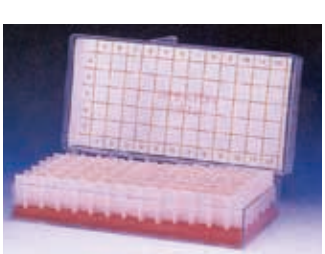
		Cs.	Price, ₩
WH.W224695	Vial, 2㎖, Amber, 60 Vials in Storage Box, Φ12×h38 mm, Cap 8-425	60ea	232,670
WH.W224696	, 4㎖, Amber, 40 Vials in Storage Box, Φ15×h48 mm, Cap 13-425	40ea	172,700

(4) With Teflon Lined Open-Top Cap, Amber 1.5 & 4㎖, Ideal for Autosampler

		Cs.	Price, ₩
WH.W224954	Vial, 1.5㎖, 60 Vials in Storage Box, Φ12×h38 mm, Cap 8-425	60ea	246,600
WH.W224955	, 4㎖, 40 Vials in Storage Box, Φ15×h48 mm, Cap 13-425	40ea	193,980

(5) With Teflon Lined Open-Top Caps & Vials; Clear 1.5 & 4㎖, Ideal for Autosampler

		Cs.	Price, ₩
WH.224950	Vial, 1.5㎖, 60 Vials in Storage File, Φ12×h35 mm, Cap 8-425	60ea	274,100
WH.224952	, 4㎖, 40 Vials in Storage File, Φ15×h48 mm, Cap 13-425	40ea	191,240



Empty Vial Storage File/Rack, with Alpha-numerical Index, for Φ13/16×h50 mm Vials, 공박스

■ ***Supplied by Wheaton® in USA*** ■ ***투명 PS Storage Box임. Alpha-numerical Index 포함***

* Clear Plastic Hinged Case for Convenient Storage and Transportation of Sample Vials.
* Polycoated partitions protect vials form abrasion and breakage.
* Alphanumeric index card provides for easy vial identification.
* Extra partitions and index card can be purchased separately.

〈L1〉

		Ea. Price,₩	Cs.	Price, ₩
WH.228778	Vial File, 60-hole, up to Φ13×h50 mm Vials	53,040	6ea	294,430
WH.228780	, 40-hole, up to Φ16×h50 mm Vials	53,040	6ea	294,430
WH.W228781	Spare Partitions, for 228778		6ea	46,540
WH.W228782	, for 228780		6ea	46,540

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



PET Clean Vial, for Clean Room, with PP Screwcap, 10~100㎖, PET 바이알

〈L2〉

* Material : Vial-PET, Cap-PP

Cat. No	Description	Pk.	Price, ₩	Cs.	Price, ₩
SL.Via3031	Vial, PET, for CR, 10㎖, Φ24.0×h 46.5㎜, Neck id Φ14.0㎜	20ea	22,540	5pk	104,250
SL.Via3032	, 15㎖, Φ25.0×h 56.0㎜, Neck id Φ14.0㎜	10ea	12,790	5pk	59,120
SL.Via3033	, 20㎖, Φ27.0×h 61.5㎜, Neck id Φ14.0㎜	10ea	12,930	5pk	59,770
SL.Via3034	, 30㎖, Φ30.0×h 71.0㎜, Neck id Φ19.5㎜	10ea	15,520	5pk	71,700
SL.Via3035	, 50㎖, Φ35.0×h 81.5㎜, Neck id Φ19.5㎜	10ea	20,130	5pk	93,120
SL.Via3037	, 100㎖, Φ40.0×h111.5㎜, Neck id Φ28.5㎜	10ea	39,690	5pk	183,650



LDPE Snapcap Sample Vials

Kartell® LDPE Sample Vials, with Attached Snap Cap, 1~35㎖, <Italy-Made> LDPE 샘플 바이알

〈L1〉

* Made of Low Density Polyethylene(LDPE), -50℃+80/90℃
* Push Cap was attached on Vial, Can be used to Weight Bottle

Cat. No	Description	Pk.	Price, ₩	Cs.	Price, ₩
KA.730	Vial, w/ Push Cap, LDPE, 1㎖, Φ 8×h 32 mm	10ea	4,230	50pk	195,350
KA.731	, 2.5㎖, Φ14×h 32 mm	10ea	4,230	10pk	39,080
KA.737	, 5㎖, Φ15×h 49 mm	10ea	6,050	10pk	55,930
KA.733	, 7㎖, Φ23×h 33 mm	10ea	7,870	10pk	72,790
KA.732	, 8㎖, Φ17×h 57 mm	10ea	6,790	10pk	62,830
KA.734	, 20㎖, Φ25×h 74 mm	10ea	7,200	10pk	66,650
KA.736	, 25㎖, Φ31×h 53 mm	5ea	5,780	10pk	53,440
KA.735	, 35㎖, Φ31×h 75 mm	5ea	6,240	10pk	57,650



LDPE Screwcap Sample Vials

Kartell® LDPE Screwcap Sample Vial, 5~180㎖, <Italy-Made> LDPE 샘플 바이알

〈L1〉

* −50℃+80/90℃ Stable, Perfect Sealing, Heavy Wall. for Liquid / Solid

Cat. No	Description	Ea.	Price, ₩	Pk.	Price, ₩
KA.910	Vial, w/ Screwcap, LDPE, 5㎖, Φ21×h 36 mm		4,000	10ea	38,770
KA.911	, 10㎖, Φ21×h 58 mm		4,790	10ea	46,340
KA.912	, 30㎖, Φ35×h 53 mm		5,570	10ea	53,890
KA.913	, 60㎖, Φ35×h 94 mm		6,790	10ea	65,780
KA.914	, 90㎖, Φ55×h 63 mm		8,370	10ea	81,040
KA.916	,180㎖, Φ55×h110 mm		9,240	10ea	89,600



PP Sample Vials with Push Snap Cap

VITLAB® PP Snap Cap Sample Vials, Transparency, Autoclavable, 5~160㎖
Suitable for Foodstuffs, Fast-capping, 0℃~125/140℃ Stable, <Germany-Made> PP 스냅캡 샘플 바이알

* with Snap-on Lid, Tight-fitting caps(PE) Translucent, Autoclavable Polypropylene.
* Ideal for Field Sampling; Powder, Pellets, Capsule, Parts and Solid
* Suitable for Foodstuffs in accordance with 2002 / 72 / EC

〈L1〉

Cat. No	Description	Ea.	Price, ₩	Pk.	Price, ₩
VI.685.94	Vial, PP, 5㎖, Φ20×h 25 mm		1,730	25ea	41,380
VI.688.94	, 18㎖, Φ22×h 57 mm		2,290	25ea	55,170
VI.691.94	, 50㎖, Φ30×h 97 mm		3,040	10ea	29,300
VI.692.94	, 160㎖, Φ50×h110 mm		3,530	10ea	34,130

Articles	Cat. No	Description



6㎖ LS Vials
with Caps Separately

SciLab® 6㎖ Glass Scintillation Vial, with PE lined PP Cap Separately "Pack-Set"
With "USP-I" Boro 5.0 Glass, Normal-grade, 6㎖ Glass 신틸레이션/카운팅 바이알 Pack-Set

■ ***Supplied by SciLab Korea***
∗ "USP-I" Borosilicate Glass Vials : 6㎖, Φ17×h56mm, 15-425 Screw
∗ Cap : PP(Polypropylene), White-color, 15-425 Screw
∗ Background counts are consistent and low in glass vials
∗ for Standard Liquid Scintillation Counting.



Vials "Pack-Set", with Cap / Septa

<L1>

		Pk.	Price, ₩	Cs.	Price, ₩
SL.Vi1216	Vial, LS, 6㎖, with lined PP Cap, Screw 15-425.	100ea	69,130	5pk	328,950

		Pk.	Price, ₩
SL.Vi1234	**Spare Cap**, with PE Septa, Screw 15-425.	100ea	27,620



6㎖ Scintillation Glass Vials

Wheaton® Premium 6㎖ Scintillation Glass Vials, Sampule®, with Cap packed Separately
With Boro 3.3 Glass, ASTM/ISO, <USA-Made> 6㎖ Glass 신틸레이션/카운팅 바이알

■ ***캡이 분리 포장으로 함께 공급됨*** ■ ***전파 방해나 교란 없이 "Standard Liquid Scintillation Counting 기기" 에 최상으로 적응***
∗ ASTM Class A ∗ Caps Packaged Separately.
∗ Packed in Tray-file. ∗ Background Counts are Consistent and Low in Glass vials ; Ultraviolet Transmission is High.
∗ Made from WHEATON 180 Low Potassium Borosilicate Glass that conforms to ASTM E 438 Type I, Class A Requirements.

<L1>

		Pk.	Price, ₩	Cs.	Price, ₩
WH.986491	Vial, LS, 6㎖, 13-425 Urea Cap w/ Metal Foil	200ea	225,750	5pk	1,044,900
WH.986492	, 15-425 Urea Cap w/ Metal Foil	200ea	225,750	5pk	1,044,900



20㎖ LS Vials
with Caps Separately

Vials "Pack-Set", with Cap & Septa

SciLab® 20㎖ Glass Scintillation Vials, with PE Lined PP Screwcap(24-400) Separately "Pack-Set"
With Boro 5.0 Glass, Normal-grade, 20㎖ Glass 신틸레이션/카운팅 바이알

■ ***Supplied by SciLab Korea*** ∗ Ultraviolet transmission is high.
∗ Borosilicate Glass Vials : 20㎖, Φ28×h57mm, 24-400 Screw
∗ Cap : PP(Polypropylene), White-color, 24-400 Screw
∗ for Standard Liquid Scintillation Counting or Sampling



<L1>

(1) Pack-Set, with PE Septa Lined Screwcap 24-400

		Pk.	Price, ₩	Cs.	Price, ₩
SL.Vi1291	Vial, LS, 20㎖, with Closetop Cap & Hi-grade PE Septa	100ea	92,190	5set	446,930

(2) Pack-Set, with AL-foil & Pulp Septa Lined Screwcap 24-400

		Pk.	Price, ₩	Cs.	Price, ₩
SL.Vi1290	Vial, LS, 20㎖, with Closetop Cap & AL-foil/Pulp Septa	100ea	93,130	5set	451,540

(3) Vial and Cap Separately

		Pk.	Price, ₩
SL.Vi1331	Vial, 20㎖, Φ28×h57mm, Screw 24-400.	100ea	48,190
SL.Vi1293	Cap, with AL-foil / Pulp Septa, Screw 24-400.	100ea	44,990
SL.Vi1355	, with PE Septa, Screw 24-400.	100ea	44,990



Standard Scintillation Glass
20㎖ Vials with Caps

Wheaton® Premium 20㎖ Scintillation Glass Vials Complete with Screwcaps
With Screwcap, ASTM/ISO, 20㎖ 표준형 Glass 신틸레이션/카운팅 바이알

■ ***Supplied by Wheaton® in USA*** ■ ***Screwcap이 Vial에 끼워져서 있음***
■ ***전파 방해나 교란 없이 "Standard Liquid Scintillation Counting 기기" 에 최상으로 적응***
■ ***편리한 청결 Tray-file포장 : Vial 1개씩이 꼽히는 5×Cell-Trays of 100 Vial / Shrink-wrapped***
■ ***Utility Trays serve as a Way to Store Your Samples***
∗ Made from WHEATON 180 Low Potassium Borosilicate Glass that conforms to ASTM E 438 Type I, Class A Requirements.
∗ Background Counts are Consistent and Low in Glass vials; Ultraviolet Transmission is High.
∗ Packaged in 5 Utility Trays with Each Partitioned Tray Holding 100 Vials Each.



<L1>

(1) with Screwcaps Attached

		Pk.	Price, ₩	Cs.	Price, ₩
WH.986541	Vial, LS, 20㎖, 22-400 PP Cap w/ Cork-Metal Foil	100ea	116,390	5pk	538,550
WH.986561	, 24-400 PP Cap w/ Cork-Metal Foil	100ea	125,250	5pk	579,640
WH.986542	, 22-400 Urea Cap w/ Cork-Metal Foil	100ea	129,420	5pk	598,900
WH.986562	, 24-400 Urea Cap w/ Cork-Metal Foil	100ea	139,550	5pk	645,830
WH.986546	, 22-400 Urea Cap w/ Poly-Seal Cone	100ea	141,620	5pk	655,430

(2) with Screwcaps Packed Separately

		Pk.	Price, ₩	Cs.	Price, ₩
WH.986580	Vial, LS, 20㎖, 22-400, PP Cap/Foamed PE liner	100ea	120,920	5pk	559,580
WH.986586	, Urea cap/poly-seal cone	100ea	156,890	5pk	726,170

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



Standard HDPE Scintillation Vials

Wheaton® Premium 20㎖ Standard Scintillation Vials, HDPE, with White Caps, ASTM · USP · ISO
Heat Resistant at −50℃+105/120℃, <USA-Made> 20㎖ 표준형 Plastic 신틸레이션 카운팅 바이알

■ ***전파 방해나 교란 없이 "Standard Liquid Scintillation Counting 기기" 에 최상으로 적응***
■ ***Potassium-Free / Low Background Counts 용***
* Made from High Density Polyethylene with Lightweight Walls for Increased Counting Efficiency.
* PE Form Liner : Ideal for General Purpose.
* Metal Foil Liner : Good Barrier Properties and Resistance to Hydrocarbons, Oils, Ketones and Alcohols, Not Good for Acids or Alkalis.
* Specification : · 20㎖ with Cap, Φ27×h61 mm · 22-400 Screwcap : Standard Opening.

20㎖ HDPE Vials with Screwcaps Attached 100 pcs in Cell-tray/Pk, 500 pcs/Cs.

〈L1〉

* Packaged in 5 Utility Trays with Each Partitioned Tray Holding 100 Vials Each.

		Pk.	Price, ₩	Cs.	Price, ₩
WH.986701	Vial, LS, HDPE 20㎖, PP Cap W/ Cork-Metal Foil Liner	100ea	85,100	5pk	393,800
WH.986702	, Urea Cap W/ Cork-Metal Foil Liner	100ea	101,630	5pk	470,250
WH.986706	, Urea Cap W/ Poly-seal Cone Liner	100ea	137,770	5pk	637,670
WH.986704	, PE Cap Linerless (No-Liner)	100ea	96,230	5pk	445,380

20㎖ HDPE Vials with Cap Packed Separately, 1000 pcs/Bluk Cs.

		Cs.	Price, ₩
WH.986720	Vial, LS, HDPE 20㎖, PP Cap / Foamed PE liner	1000ea	621,930
WH.986721	, PP Cap w/ Metal Foil Liner	1000ea	621,930
WH.986722	, Urea Cap w/ Metal Foil Liner	1000ea	777,420
WH.986724	, PE Cap Linerless (No-Liner)	1000ea	708,840



Standard PET Scintillation Vials

Wheaton® 20㎖ Standard Scintillation Vials, PET, with White Caps, ASTM · USP · ISO
With High-Quality PET, <USA-Made> 20㎖ 표준형 투명 Plastic 신틸레이션 카운팅 바이알

■ ***전파 방해나 교란 없이 "Standard Liquid Scintillation Counting 기기" 에 최상으로 적응***
■ ***파손이 없고 / 우수한 내용매성 / 소각 폐기시 유해성 Gas 발생이 없는 친환경 바이알***
* Vials offer low permeability to solvents and minimal background counts. * Clarity of Glass with the Safety of Plastic.
* Metal Foil Liner : Good Barrier Properties and Resistance to Hydrocarbons, Oils, Ketones and Alcohols, Not Good for Acids or Alkalis.
* PE Cone Liner : Unique Problem Solving Type of Liner. It is recommended that this liner be tested prior to use for leak seal.
* Specification : · 20㎖ with Cap, Φ27×h61 mm · 22-400 Screwcap : Standard Opening.

20㎖ PET Vials with Screwcaps Attached, 100 pcs in Cell-tray/Pk, 500 pcs/Cs.

〈L1〉

* Packaged in 5 Utility Trays with Each Partitioned Tray Holding 100 Vials Each.

		Pk.	Price, ₩	Cs.	Price, ₩
WH.986731	Vial, LS, PET 20㎖, PP Cap w/ Metal Foil Liner	100ea	105,240	5pk	487,120
WH.986732	, Urea Cap w/ Metal Foil Liner	100ea	117,020	5pk	541,470
WH.986736	, Urea Cap w/ Poly-seal Cone Liner	100ea	153,140	5pk	708,840

20㎖ PET Vial with Caps packed Separately, 1000 pcs/Bluk Cs.

		Cs.	Price, ₩
WH.986741	Vial, LS, PET 20㎖, PP Cap w/ Metal Foil Liner	1000ea	901,000



Kartell® 20 & 4㎖ Scintillation Vials, HDPE, with Caps Attached, DIN/ISO
With Caps Attached, −50℃+105/120℃, <Italy-Made> "Popular" Plastic 신틸레이션 카운팅 바이알

〈L1〉

* High-Density Polyethylene Vials : for Potassium-Free, Low Background Counts

		Pk.	Price, ₩	Cs.	Price, ₩
KA.933	Vial, LS, HDPE 20㎖, Φ27×h61mm, 22mm PP Cap, Linerless (No-Liner)			1000ea	281,550
KA.934	, HDPE 4㎖ , Φ14×h54mm, 13mm PP Cap, Linerless (No-Liner)	1000ea	260,690	2pk	505,740



Simport® Snaptwist™ 6.5㎖ Scintillation Vials, HDPE & PP, with PP Snaptwist Cap
Ideal for Leakproof Seal, PP 신틸레이션 카운팅 바이알

■ ***Supplied by Simport® in Canada***
■ ***유기용매에 대한 높은 내성***
* Ideal for Liquid Scintillation Counting, Gamma Counting, Chromatography, Sample Storage and Culturing
* Made of Polypropylene and High Density Polyethylene
* This Shoulderless Vial Features a Full Width Opening of 12.5 mm for Ease of Access
* Removal of Caps Requires an Easy 1/4 turn (twist), and it Eliminates the Danger of Spillage
* A Built-in Positive Lock Prevents the Cap from Popping Off

〈L1〉

		dh pk.	Price, ₩	Cs.	Price, ₩
SP.S207	Vial, HDPE, 6.5㎖, with PP Cap, Φ16×h57mm, Neck id Φ12.5mm	100ea	42,730	1,000ea	284,730
SP.S207.5	, PP ,6.5㎖, with PE Cap, Φ16×h57mm, Neck id Φ12.5mm	100ea	42,730	1,000ea	284,730

Articles	Cat. No	Description



(1), (2) 5 ~ 20㎖, Vials Only, Clear & Amber



(3), (4) 20mm, Seal & Septa



incl. Carrying Case

(5) 20mm Crimper & Decapper

SciLab® 20mm Crimptop 5~20㎖ Serum Vials, Seals · Septa · Crimper & Decapper ; Separately

With "USP-I" Boro 5.0 Glass, Clear & Amber, 5~20㎖ Crimptop **세럼 바이알, 씰 · 셉타 · 크림퍼/디캐퍼 별매**

■ ***Supplied by SciLab Korea*** ∗ Borosilicate Clear Glass Vials : 5~20㎖, 20mm Crimptop

∗ Flat Bottom Vials that can Maximize Heating Efficiency

〈L1〉

(1) 20mm Clear Glass Crimptop Vials, without Seal & Septa

		Pk.	Price, ₩
SL.Vi1361	Vial, Clear, Crimptop, 5㎖, Φ22.5×h38mm	100ea	34,970
SL.Vi1365	, 10㎖, Φ22.5×h46mm	100ea	35,770
SL.Vi1368	, 20㎖, Φ22.5×h75mm	100ea	53,350

(2) 20mm Amber Glass Crimptop Vials, without Seal & Septa

		Pk.	Price, ₩
SL.Vi1362	Vial, Amber, Crimptop, 5㎖, Φ22.5×h38mm	100ea	38,640
SL.Vi1366	, 10㎖, Φ22.5×h46mm	100ea	39,430
SL.Vi1369	, 20㎖, Φ22.5×h75mm	100ea	70,630

(3) 20mm Alu-Seals with Septa ∗ with Φ10mm Center Hole

		Pk.	Price,₩	Cs.	Price,₩
SL.Vi1386	Seal, 20mm, with Beige PTFE/Red Silicone Septa	100ea	79,470	10pk	735,180
SL.Vi1387	, with Natural PTFE/Silicone Septa	100ea	72,080		

(4) 20mm Opentop Alu-Seal & Septa Separately

		Pk.	Price,₩	Cs.	Price,₩
SL.Vi1385	Seal, 20mm, without Septa.	100ea	28,290	10pk	261,430
SL.Vi1381	Septa, with White PTFE/Blue Silicone Septa, thickness 3mm	100ea	56,300		
SL.Vi1382	, with Natural PTFE/Natural Silicone Septa, thickness 3mm	100ea	56,300		
SL.Vi1383	, Pharma-Fix Flanged, Butyl/PTFE Coated, Shore A 50°	100ea	174,550	10pk	1,615,900
SL.Vi1384	, Moulded Butyl/PTFE-coated	100ea	129,740	10pk	1,200,940

(5) 20mm Crimper & Decapper

		Ea.	Price, ₩
SL.Vi1371	Crimper, Ergonomic Manual, for Φ20mm Alu-Seals		637,170
SL.Vi1372	Decapper, Ergonomic Manual, for Φ20mm Alu-Seals		637,170



Handy Plier Decapper

Wheaton® Handy Plier Decapper, Easy Way to Remove Seals

For 13 & 20mm Aluminum Seal, Made of Steel, <USA-Made> **알루미늄 씰 디캐퍼, 플라이어(펜치)식**

■ ***경제형 & 간편형 알루미늄 Seal제거기*** ∗ Inexpensive and Easy Way to Remove Seals.

∗ Made of Steel with Gray Plastic-Coated Handles.

〈L1〉

		Ea.	Price, ₩
WH.224372	Decapper, Plier, for 13mm Seals		246,470
WH.224373	, for 20mm Seals		255,820

(1)





(2)



(3)

Wheaton® Premium 2~500㎖ Serum Vials/Bottles

For General Purpose, ASTM ISO/USP, **세럼 바이알/바틀**

■ ***Supplied by Wheaton® in USA***

〈L1〉

(1) Clear Glass Serum Vials, 2~125㎖

		Pk.	Price, ₩	Cs.	Price, ₩
WH.223683	Vial, Clear, 2㎖, Φ15×h32 mm, for 13 mm Seals	144ea	153,840		
WH.223684	, 3㎖, Φ17×h38 mm, for 13 mm Seals	144ea	157,820		
WH.223685	, 5㎖, Φ22×h40 mm, for 20 mm Seals	144ea	197,540		
WH.223686	, 10㎖, Φ24×h50 mm, for 20 mm Seals	144ea	232,180		
WH.223742	, 20㎖, Φ32×h58 mm, for 20 mm Seals	96ea	268,080	3pk	744,530
WH.223743	, 30㎖, Φ37×h63 mm, for 20 mm Seals	96ea	330,140	3pk	916,980
WH.223745	, 50㎖, Φ43×h73 mm, for 20 mm Seals	72ea	310,680	4pk	1,150,580
WH.223746	, 60㎖, Φ41×h91 mm, for 20 mm Seals	72ea	346,780	2pk	642,140
WH.223747	, 100㎖, Φ52×h95 mm, for 20 mm Seals	48ea	320,190	3pk	889,270
WH.223748	, 125㎖, Φ54×h107 mm, for 20 mm Seals	48ea	448,080	3pk	1,244,570

(2) Amber Glass Serum Vials, 2~100㎖

		Pk.	Price, ₩	Cs.	Price, ₩
WH.223693	Vial, Amber, 2㎖, Φ15×h32 mm, for 13 mm Seals	144ea	200,420		
WH.223695	, 5㎖, Φ22×h40 mm, for 20 mm Seals	144ea	231,420		
WH.223696	, 10㎖, Φ24×h50 mm, for 20 mm Seals	144ea	287,750		
WH.223762	, 20㎖, Φ32×h58 mm, for 20 mm Seals	96ea	354,220	3pk	983,880
WH.223763	, 30㎖, Φ37×h63 mm, for 20 mm Seals	96ea	433,330	3pk	1,203,620
WH.223764	, 50㎖, Φ43×h73 mm, for 20 mm Seals	72ea	414,420	4pk	1,534,800
WH.223766	, 100㎖, Φ52×h95 mm, for 20 mm Seals	48ea	412,090	3pk	1,144,550

(3) 250 & 500㎖ Serum Bottles, with Graduation, 눈금부

		Ea.	Price, ₩	Cs.	Price, ₩
WH.223950	Serum Bottle, 250㎖, Φ60×h158 mm, for 30 mm Seals		13,170	35ea	425,580
WH.223952	, 500㎖, Φ75×h190 mm, for 30 mm Seals		19,570	24ea	433,550

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



(1) Seal-Set



(2) Seal only



(3) Septa only



Butyl Septa

SciLab® 11 & 20mm Aluminum Opentop Seals and Septa
알루미늄 씰과 셉타

■ ***Supplied by SciLab Korea***

(1) 11 & 20mm Seal-Set with White or Red PTFE & Red or White Silicone Septa

〈L1〉

		Pk.	Price, ₩
SL.Vi1102	Seal, 11mm, with White PTFE/ Red Silicone Septa.	100ea	37,440
SL.Vi1103	, with Red PTFE / White Silicone Septa.	100ea	37,930
SL.Vi1386	, 20mm, with Beige PTFE/ Red Silicone Septa.	100ea	79,470
SL.Vi1387	, with Natural PTFE / Silicone Septa.	100ea	72,080

(2) 11 & 20mm Seal only, without Septa

		Pk.	Price, ₩
SL.Vi1101	Seal, 11mm, without Septa.	100ea	11,340
SL.Vi1385	, 20mm, without Septa.	100ea	28,290

(3) Septa and Stopper only

		Pk.	Price, ₩
SL.Vi1096	Septa, 11mm, White PTFE / Red Silicone.	100ea	25,090
SL.Vi1097	, Red PTFE / White Silicone.	100ea	25,090
SL.Vi1381	, 20mm, White PTFE / Blue Silicone.	100ea	56,300
SL.Vi1382	, Natural PTFE / Silicone.	100ea	56,300
SL.Vi1383	, Pharma-Fix Flanged, Butyl / PTFE Coated, Shore A50°.	100ea	174,550
SL.Vi1384	Stopper, 20mm, Moulded Butyl / PTFE-coated.	100ea	129,740



(1) Open-top Type



(2) Center Disc Tear-Out Type



(3) Tear-Off Type



(4) Solid Type



(5) Tlip-cap

Wheaton® Premium Un-Lined Aluminum Seals, ASTM · FDA · USP · ISO
알루미늄 씰, 셉타/스토퍼는 별도

■ ***Supplied by Wheaton® in USA***

(1) Open-Top Type, Unlined

＊상단이 뚫려있는 씰

〈L1〉

		Pk.	Price, ₩	Cs.	Price, ₩
WH.224176.01	Seal, Open Top, 11 mm, Natural	100ea	26,880	10pk	248,530
WH.224177.01	, 13 mm, Natural	100ea	28,480	10pk	263,270
WH.224178.01	, 20 mm, Natural	100ea	23,490	10pk	216,780
WH.224178.06	, Red	100ea	30,620	10pk	282,850

(2) Center Disc Tear-Out Type, Unlined

＊상단의 Disc(판)를 떼어낼 수 있는 씰

		Pk.	Price, ₩	Cs.	Price, ₩
WH.224182.01	Seal, Center Tear-Out, 13 mm, Natural	100ea	21,790	10pk	201,290
WH.224182.06	, Red	100ea	28,190	10pk	260,490
WH.224183.01	, 20 mm, Natural	100ea	23,490	10pk	216,780
WH.224183.06	, Red	100ea	27,380	10pk	253,030
WH.224187.01	, 30 mm, Natural	100ea	32,830	10pk	303,370

(3) Tear-Off Type, Unlined

＊캐핑되어 있는 씰을 디캐퍼 없이 떼어낼 수 있는 씰

		Pk.	Price, ₩	Cs.	Price, ₩
WH.224192.01	Seal, Tear-Off, 13 mm, Natural	100ea	19,390	10pk	179,020
WH.224193.01	, 20 mm, Natural	100ea	21,190	10pk	195,790
WH.224193.06	, Red	100ea	23,980	10pk	221,590
WH.224193.07	, Green	100ea	23,980	10pk	221,590
WH.224197.01	, 30 mm, Natural	100ea	33,100	10pk	306,030

(4) Solid-Top Type, Unlined

＊상단이 완전히 막혀있는 씰

		Pk.	Price, ₩	Cs.	Price, ₩
WH.224189	Seal, Solid-Top, 11 mm, Natural	100ea	21,190	10pk	195,890
WH.224191	, 20 mm, Natural	100ea	26,830	10pk	247,940

(5) Flip-Cap Seals, Unlined

＊적색 Plastic Cover가 끼워져있는 씰

		Pk.	Price, ₩	Cs.	Price, ₩
WH.224202	Seal, Flip-Cap, 13 mm, Natural	100ea	40,650	10pk	376,000
WH.224203	, 20 mm, Natural	100ea	59,920	10pk	554,200

Articles	Cat. No	Description



(1) Black Closetop Screwcaps



(2) Black Opentop Screwcaps

SciLab® Black PP Screwcaps, for Vials & Bottles, with Opentop & Closetop
블랙 스크류 캡, 바이알 & 바틀 겸용

■ ***Supplied by SciLab Korea***

∗ PP(Polypropylene) Caps ∗ 9-425 Screwcap only : Blue, PP ∗ Caps in Vinyl Bag

〈L1〉

(1) Closetop/Solidtop Screwcaps

		Pk.	Price, ₩
SL.Vi1034	Cap, 8-425 Screw, with White PTFE / Red Silicone Septa.	100ea	30,150
SL.Vi1075	, 9-425 Screw, with White PTFE / Red Silicone Septa.	100ea	30,150
SL.Vi1164	, 13-425 Screw, with Natural PTFE / Silicone Septa.	100ea	40,350
SL.Vi1165	, with PE Septa.	100ea	18,190
SL.Vi1231	, 15-425 Screw, with Natural PTFE / Silicone Septa.	100ea	54,790
SL.Vi1233	, with PE Septa.	100ea	32,800
SL.Vi1354	, 24-400 Screw, with Natural PTFE / Silicone Septa.	100ea	102,980
SL.Vi1357	, with PE Septa.	100ea	45,050

(2) Opentop Screwcaps

∗ Ideal for Syringe Injection

		Pk.	Price, ₩
SL.Vi1031	Cap, 8-425 Screw, without Septa.	100ea	12,150
SL.Vi1032	, with White PTFE / Red Silicone Septa.	100ea	30,580
SL.Vi1033	, with Red PTFE / White Silicone Septa.	100ea	30,150
SL.Vi1035	, with “Pre-Slit” White PTFE / Red Silicone Septa.	100ea	39,130
SL.Vi1036	, with “Pre-Slit” Red PTFE / White Silicone Septa.	100ea	39,130
SL.Vi1072	, 9-425 Screw, without Septa.	100ea	7,680
SL.Vi1073	, with White PTFE / Red Silicone Septa.	100ea	30,580
SL.Vi1074	, with Red PTFE / White Silicone Septa.	100ea	30,150
SL.Vi1079	, with “Pre-Slit” White PTFE / Red Silicone Septa.	100ea	41,120
SL.Vi1080	, with “Pre-Slit” Red PTFE / White Silicone Septa.	100ea	41,120
SL.Vi1161	, 13-425 Screw, without Septa.	100ea	9,450
SL.Vi1166	, with Natural PTFE / Silicone Septa.	100ea	40,350
SL.Vi1163	, with Red PTFE / White Silicone Septa.	100ea	40,350
SL.Vi1232	, 15-425 Screw, with Natural PTFE / Silicone Septa.	100ea	54,790
SL.Vi1351	, 24-400 Screw, without Septa.	100ea	28,630
SL.Vi1353	, with Natural PTFE / Silicone Septa.	100ea	102,980



(1) White Closetop Screwcaps



(2) White Opentop Screwcaps

SciLab® White PP Screwcaps, for Vials & Bottles, with Opentop & Closetop
화이트 스크류 캡, 바이알 & 바틀 겸용

■ ***Supplied by SciLab Korea*** ∗ PP(Polypropylene) Caps ∗ Caps in Vinyl Bag

〈L1〉

(1) Closetop/Solidtop Screwcaps

		Pk.	Price, ₩
SL.Vi1234	Cap, 15-425 Screw, with PE Septa.	100ea	27,620
SL.Vi1355	, 24-400 Screw, with PE Septa.	100ea	44,990
SL.Vi1293	, with AL-foil/pulp Septa.	100ea	44,990
SL.Vi1352	, with Natural PTFE / Silicone Septa.	100ea	102,980

(2) Opentop Screwcaps

∗ Ideal for Syringe Injection

		Pk.	Price, ₩
SL.Vi1288	Cap, 24-400 Screw, without Septa.	100ea	20,240
SL.Vi1285	, with Natural PTFE / Silicone Septa.	100ea	92,680



Septa for Screwcaps



“Pre-Slit” type

SciLab® Φ8~24mm Pre-Slit Septa, for Screwcaps, 스크류 캡용 셉타

〈L1〉

■ ***Supplied by SciLab Korea***

		Pk.	Price, ₩
SL.Vi1026	Septa, 8mm, White PTFE / Red Silicone.	100ea	20,240
SL.Vi1027	, Red PTFE / White Silicone.	100ea	20,240
SL.Vi1028	, Red PTFE / White Silicone / Red PTFE.	100ea	30,580
SL.Vi1029	, White PTFE / Red Silicone, “Pre-Slit” type	100ea	30,840
SL.Vi1030	, Red PTFE / White Silicone, “Pre-Slit” type	100ea	30,840
SL.Vi1067	, 9mm, White PTFE / Red Silicone.	100ea	19,990
SL.Vi1068	, Red PTFE / White Silicone.	100ea	19,990
SL.Vi1069	, Red PTFE / White Silicone / Red PTFE.	100ea	30,150
SL.Vi1070	, White PTFE / Red Silicone, “Pre-Slit” type	100ea	30,840
SL.Vi1071	, Red PTFE / White Silicone, “Pre-Slit” type	100ea	27,840
SL.Vi1125	, 11mm, White PTFE / Red Silicone.	100ea	25,430
SL.Vi1126	, Red PTFE / White Silicone.	100ea	25,090
SL.Vi1156	, 13mm, White PTFE / Red Silicone.	100ea	28,000
SL.Vi1157	, Red PTFE / White Silicone.	100ea	28,000
SL.Vi1286	, 24mm, Natural PTFE / Silicone, thickness 3mm.	100ea	66,950
SL.Vi1287	, thickness 2mm.	100ea	66,230

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



(1) "SB" Rubber Lined Caps



(2) PTFE/SB-Rubber lined Caps



(3) Open-top Caps

Wheaton® Premium Black Phenolic Screwcaps, Autoclavable, ASTM · EPA · FDA

스크류 캡, 바이알/바틀 겸용, 흑색 페놀 재질, 내열 · 내약품성 우수

■ ***Supplied by Wheaton® in USA***

∗ Non-Toxic Phenol-Resin, Autoclavable.

∗ Caps-types :
- Closed-Top Cap(1) with Styrene-Butadiene "SB"Rubber Liner : for General Purpose and Culture
- Closed-Top Cap(2) with Teflon PTFE / SB Rubber Liner : for Analysis, Strong Chemicals
- Open-Top Cap(3) : for Syringe Injection

〈L1〉

(1) "SB" Rubber Lined Closed-top Screwcaps

		dh pk.	Price, ₩	Cs.	Price, ₩
WH.240206	Cap, Screw 8 - 425	1ea	550	1000ea	430,190
WH.240208	, Screw 13 - 425	1ea	890	200ea	135,390
WH.240209	, Screw 15 - 425	1ea	980	200ea	154,520
WH.240264	, Screw 18 - 415	1ea	940	500ea	371,310
WH.240216	, Screw 20 - 400	1ea	1,700	500ea	687,350
WH.240218	, Screw 24 - 400	1ea	2,070	500ea	837,580

(2) PTFE/SB-Rubber Lined Closed-top Screwcaps

		dh pk.	Price, ₩	Cs.	Price, ₩
WH.W240406	Cap, Screw 8 - 425	1ea	2,570	200ea	419,800
WH.240408	, Screw 13 - 425	1ea	2,650	200ea	432,390
WH.240463	, Screw 15 - 415	1ea	3,020	200ea	492,970
WH.240409	, Screw 15 - 425	1ea	2,880	200ea	469,490
WH.240415	, Screw 18 - 400	1ea	3,930	200ea	643,370
WH.240416	, Screw 20 - 400	1ea	5,320	100ea	438,650
WH.240418	, Screw 24 - 400	1ea	5,590	100ea	461,920

(3) Open-top Screwcaps

		dh pk.	Price, ₩	Cs.	Price, ₩
WH.W240506	Cap, Screw 8 - 425	1ea	450	200ea	66,820
WH.W240508	, Screw 13 - 425	1ea	550	200ea	85,750
WH.W240509	, Screw 15 - 425	1ea	800	200ea	126,040
WH.W240517	, Screw 22 - 400	1ea	1,040	200ea	165,850
WH.W240518	, Screw 24 - 400	1ea	1,180	200ea	188,200
WH.240716.01	Cap, for Diagnostic Bottle, Screw 20 - 400			300ea	150,550



incl. Carrying Case

SciLab® Handy Crimper and Decapper, for 11 & 20 mm Aluminum Seals

For Standard Seals, with Carrying Case, **알루미늄 씰 크림퍼 & 디캐퍼**

■ ***Supplied by SciLab Korea***

∗ Light Weight (11mm : 450g / 20mm : 500g) and Easy to Operate
∗ Using for Aluminum Seals
∗ including Carrying Case with Foam-Insert
∗ Ergonomic Handle

〈L1〉

Crimpers, 11 & 20mm

		Ea.	Price, ₩
SL.Vi1104	Crimper , Ergonomic Manual Type, for 11mm Aluminum Seals.		630,730
SL.Vi1371	, for 20mm Aluminum Seals.		637,170

Decappers, 11 & 20mm

		Ea.	Price, ₩
SL.Vi1105	Decapper, Ergonomic Manual Type, for 11mm Aluminum Seals.		630,730
SL.Vi1372	, for 20mm Aluminum Seals.		637,170



Handy Plier Decapper

Wheaton® Handy Plier Decapper, Easy Way to Remove Seals

For 13 & 20mm Aluminum Seal, Made of Steel, <USA-Made> **알루미늄 씰 디캐퍼, 플라이어(펜치)식**

■ ***경제형 & 간편형 알루미늄 Seal제거기***

∗ Inexpensive and Easy Way to Remove Seals.
∗ To remove a seal, simply secure the seal between the jaws, squeeze the handles and twist the seal.
∗ Made of Steel with Gray Plastic-Coated Handles.

〈L1〉

		Ea.	Price, ₩
WH.224372	Decapper, Plier, for 13mm Seals		246,470
WH.224373	, for 20mm Seals		255,820

Articles	Cat. No	Description



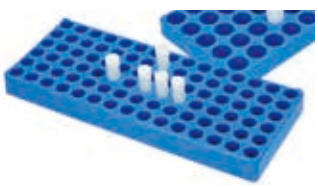
SciLab® PP 21 · 24 · 40 · 60 · 90-Hole Assembly Vial Rack, Short-form, Submersible
Φ13~30mm Hole and 3Tiers, h40mm, Perforated, Autoclavable, 125/140℃, 21~90홀 만능형 바이알 랙

■ Made in Korea ***■ 세척이 쉽고 가벼움. 간편한 조립으로 쉽게 사용***

* Made of Polypropylene, -196℃(in Vapor-phase) +125/140℃
* Good Finished ; for Smooth Working.
* Low-form Rack for Conical & Flat Bottom Tubes
* Suitable for 0.5~50㎖ (Φ13~30mm) Tubes
* Can be used in Water Bath.

<L1>

		Ea. Price,₩	Pk.	Price, ₩
SL.Rac3091	Vial Rack, PP, 245×105×h40 mm, Φ13 mm×90 Hole	6,000	10ea	58,200
SL.Rac3092	, Φ16 mm×60 Hole	6,000	10ea	58,200
SL.Rac3093	, Φ20 mm×40 Hole	6,000	10ea	58,200
SL.Rac3094	, Φ25 mm×24 Hole	6,000	10ea	58,200
SL.Rac3095	, Φ30 mm×21 Hole	6,000	10ea	58,200



50 & 90-Hole PP Blue Vial Rack

50 & 90-hole PP Scintillation Vial Rack, with Hole id Φ17.1 & 28.1mm, Autoclavable
Stackable, −10℃+125/140℃, 50 & 90홀 바이알 랙

* Made of Polypropylene
* for Convenient Storage, Handling & Sample Preparations
* Ideal for Scintillation Vial

<L1>

		Ea. Price,₩	Pk.	Price, ₩
SL.Rac3180	Vial Rack, PP, 90-Hole, Hole id Φ17.1mm, 352×145×h31mm	24,180	2ea	46,890
SL.Rac3181	, 50-Hole, Hole id Φ28.1mm, 343×178×h31mm	24,180	2ea	46,890

Wheaton® 36~96 Places White Gray PP Vial Racks, Heat Resistant at −10℃+125/140℃, Autoclavable, 각종 바이알용 랙

■ Supplied by Wheaton® in USA
■ Manufactured from Polyprophylene.
* Easy to Clean and Autoclavable.
* Alphanumeric Indexing Indicated On Rack.

■ 우수한 내약품성/내열성을 가진 튼튼한 구조의 중첩가능한 PP랙
■ When Selecting the Proper Rack, the Vial OD can not exceed the Wall ID Dimension.
* The racks are sturdy and stackable, even when the vials are in place.
* Each well has an opening in the bottom to facilitate Drainage.



(1)



(2)



(3)



(4)

<L1>

(1) 96 Hole Rack, with Φ9.5 mm Hole Dia., for Φ8 mm Autosampler Shell Vials & Others

		Ea. Price,₩	Cs.	Price, ₩
WH.985750	Rack, 96-Hole, 8deep×12wide, 12.5×18.5×h2.2cm	117,520	5ea	543,830

(2) 50 Hole Rack, with Φ12.5 mm Hole Dia., for Φ12 / 12.5 mm Auto · Cryovial &c.

		Ea. Price,₩	Cs.	Price, ₩
WH.985800	Rack, 50-Hole, 5deep×10wide, 19×10×h2.2cm	70,200	5ea	324,750

(3) 50 Hole Rack, with Φ12.5 mm Hole Dia. for Free-standing Cryovials

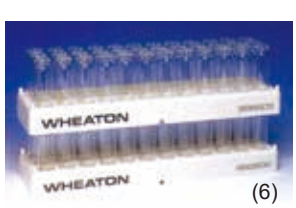
		Ea. Price,₩	Cs.	Price, ₩
WH.W985810	Rack, 50-Hole, 5deep×10wide, 19×10×h2.2cm	84,000	5ea	388,720

(4) 48 Hole Rack, with Φ15.5 mm Hole Dia., for All 15×45 mm Auto · Cryovial &c.

		Ea. Price,₩	Cs.	Price, ₩
WH.868804	Rack, 48-Hole, 4deep×12wide, 9.4×26.6×h2.8cm	78,740	5ea	364,290



(5)



(6)



(7)



(8)

(5) 90 Hole Rack, with Φ17.1 mm Hole Dia., for Φ15 / 17 mm Auto · Cryovial &c.

		Ea. Price,₩	Cs.	Price, ₩
WH.868810	Rack, 90-Hole, 6deep×15wide, 17×32×h3cm	92,050	5ea	425,970

(6) 36 Hole Rack, with Φ23.1 mm Hole Dia., for "Headspace" Vials & General Vials

		Ea. Price,₩	Cs.	Price, ₩
WH.868805	Rack, 36-Hole, 3deep×12wide, 9.1×32.2×h2.8cm	69,000	5ea	319,250

(7) 50 Hole Rack, with Φ28.1 mm Hole Dia., for 20 ml Scintillation · 40 ml EPA Vials &c.

		Ea. Price,₩	Cs.	Price, ₩
WH.868806	Rack, 50-Hole, 5deep×10wide, 17×32×h3cm	117,320	5ea	542,950

(8) 50 Hole Rack, with Φ30 mm Hole Dia., for Vial · Bottle &c.

		Ea. Price,₩	Cs.	Price, ₩
WH.868808	Rack, 50-Hole, 5deep×10wide, 17×33.7×h3cm	123,140	5ea	569,940

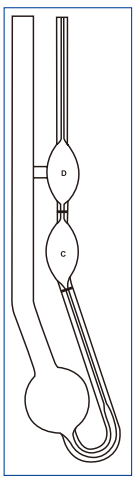
※ The Price(VAT is extra) for Korean End-user, and Changeable.

"witeg" Cannon-Fenske Routine Flow Capillary Viscometer, for Transparent, Forming & Liquids Mixture, ASTM/ISO

With Individual Certificate of Calibration, Constant K-value, with Ring Mark, Constant, **기본형 캐논-펜스케 점도계, 투명 액상용**



With Certificate, Cannon-Fenske Viscometer, Routine-type



■ ***Supplied by "witeg" in Germany*** ■ ***With Certificated, Constant K-value.***

∗ ASTM D445 and 446, ISO 3104 and 3105. Calibrated, Adjusted at 40℃

∗ Transparent Liquids, Forming Liquids, Liquids Mixture with Highly Volatile Components

∗ Filling Quantity : Approx. 7~10㎖, Overall Approx. 245mm

〈L1〉

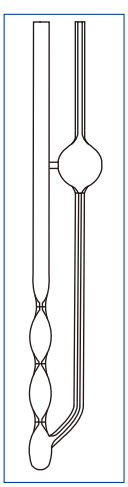
Cat. No.	Capillary No.	Range (mm² / S)	Constant K (Approx.)	Ea. Price ₩
WI.8589101C	25	0.4~2	0.002	465,140
WI.8589102C	50	0.8~4	0.004	465,140
WI.8589103C	75	1.6~8	0.008	465,140
WI.8589104C	100	3~15	0.015	465,140
WI.8589105C	150	7~35	0.035	465,140
WI.8589106C	200	20~100	0.1	465,140
WI.8589107C	300	50~200	0.25	465,140
WI.8589108C	350	100~500	0.5	465,140
WI.8589109C	400	240~1200	1.2	465,140
WI.8589110C	450	500~2500	2.5	465,140
WI.8589111C	500	1600~8000	8	477,000
WI.8589112C	600	4000~20000	20	465,140

"witeg" Cannon-Fenske Reverse Flow Capillary Viscometer, for Opaque Liquids, ASTM/ISO

With Individual Certificate of Calibration, Constant K-value, with 3 Ring Marks, 2 Constants, **역류형 캐논-펜스케 점도계, 불투명 액상용**



With Certificate, Cannon-Fenske Viscometer, Reverse-type



■ ***Supplied by "witeg" in Germany*** ■ ***With Certificated, Constant K-value.***

∗ ASTM D445 and 446, ISO 3104 and 3105. Calibrated, Adjusted at 40℃

∗ for Opaque Liquids ∗ Filling Quantity : Approx. 12㎖, Overall Approx. 295mm

〈L1〉

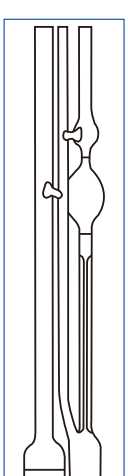
Cat. No.	Capillary No.	Range (mm² / S)	Constant K (Approx.)	Ea. Price ₩
WI.8587001C	25	0.4~2	0.002	638,340
WI.8587002C	50	0.8~4	0.004	638,340
WI.8587003C	75	1.6~8	0.008	589,240
WI.8587004C	100	3~15	0.015	589,240
WI.8587005C	150	7~35	0.035	589,240
WI.8587006C	200	20~100	0.1	638,340
WI.8587007C	300	50~200	0.25	638,340
WI.8587008C	350	100~500	0.5	638,340
WI.8587009C	400	240~1200	1.2	638,340
WI.8587010C	450	500~2500	2.5	638,340
WI.8587011C	500	1600~8000	8	638,340
WI.8587012C	600	4000~20000	20	638,340

"witeg" Ubbelohde Capillary Viscometer, Routine-Type, for Transparent Liquids & High-Temp or Low-temp. Measurements

With Individual Certificate of Calibration, Constant K-value, ASTM/ISO, **우베로데 점도계, 투명 액상용에 적합**



With Certificate, Ubbelohde Viscometer, Routine-type



■ ***Supplied by "witeg" in Germany*** ■ ***With Certificated, Constant K-value.***

∗ ASTM D445 and 446, ISO 3104 and 3105. Calibrated, Adjusted at 40℃

∗ Transparent Liquids, High-temperature or Low-temperature Measurements

∗ Filling Quantity : Approx. 15~20㎖, Overall Approx. 283mm

〈L1〉

Cat. No.	Capillary No.	Range (mm² / S)	Constant K (Approx.)	Ea. Price ₩
WI.8589101	0	0.3-1	0.001	408,650
WI.8589102	0C	0.6-3	0.003	589,240
WI.8589103	0B	1-5	0.005	589,240
WI.8589104	1	2-10	0.01	589,240
WI.8589105	1C	6-30	0.03	589,240
WI.8589106	1B	10-50	0.05	589,240
WI.8589107	2	20-100	0.1	589,240
WI.8589108	2C	60-300	0.3	589,240
WI.8589109	2B	100-500	0.5	589,240
WI.8589110	3	200-1000	1	589,240
WI.8589111	3C	600-3000	3	589,240
WI.8589112	3B	1000-5000	5	589,240
WI.8589113	4	2000-10000	10	589,240
WI.8589114	4C	6000-30000	30	589,240
WI.8589115	4B	10000-50000	50	589,240
WI.8589116	5	20000-100000	100	589,240

DAIHAN® Digital Precise Viscosity Bath "WVB", for 5 Viscometers, Max. 30Lit/min, up to 100℃, ±0.1℃

Stainless-steel Lid with 5 Holes for Viscometer Holders, Available Reverse & Routine-type Viscometer, Transparent Window

투시형 정밀 점도 항온수조, 5×점도계 사용가능, 디지털 퍼지 제어 시스템, 5-구 스텐리스 스틸 리드포함



Max. 30Lit/min Viscosity Bath "WVB-30" Includes Flat Lid for Viscometer Holder. (Viscometer Holder ; Option)

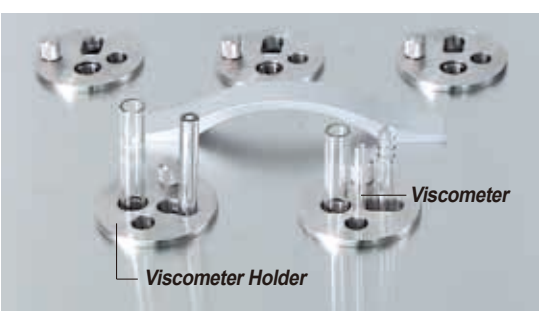
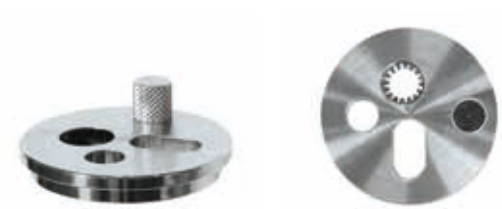


Fig1. Flat Lid with 5 Viscometer Holders



(1) Viscometer Holder "WVB02010" (Optional)

- ***Supplied by DAIHAN Korea*** ■ ***CE Certified*** ■ ***PL (Product Liability) Insurance***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System***
- ***Used for Precise Measurement with Capillary Viscometers***
- ***Digital Fuzzy Control System Implementing Superior Temperature Accuracy***
- ***Powerful Circulation Pump ensures the Highest Uniformity of Temperature***
- ***Viscometer Holder : Available Reverse & Routine-type Viscometer***
- ***Patented Jog-Shuttle Control System and Digital LCD with Back-Light Function.***

* Stainless-steel Lid Contains Five Holes for Insertion of Viscometer Holders
* User's Self-compensation Function to Control Difference between Real Temperature and Indicated Temperature
* Storage Function for the Set Values of Temperature and Time
* Locking Mode Supported for Experimental Safety (Input to Jog-Shuttle can be Disabled)
* Includes Flat Lid for Viscometer(without Viscometer Holder)
* Over Temp., Over Current Protection and Sensor Error Detection
* Digital Timer Function : 'Delay Time' and 'Operation Time' : Can be Controlled

Specifications & Ordering information

〈L1〉

Spec. \ Model		"WVB-30" Max. Flow 30Lit/min
Range & Accuracy		Room Temp +5℃ to 100℃, ±0.1℃
Temp. Resolution		0.1℃-Display, 0.1℃-Control
Temp. Uniformity & Probe		±0.2℃ , PT100
Heating Power		2 kW
Pump		Magnetic Drive, Max. Flow 30 Lit/min
Timer & Alarm		99hr 59min (Delay & Continuous run), Error status & Timer-end
Display		Digital LCD with Back-Light Function
Controller		Digital Fuzzy Controller with Jog-Shuttle Switch (Turn+Push)
Safety Circuit		Over-Temp./-Current protection, Sensor Error Detection
Lid		Included 5 Holes Stainless-steel Lid for Viscometer Holder
Drain Valve		Mounted
Viewing Window Size(mm)		230×180
Material		Internal : Stainless-steel (#304), External : Powder Coated steel Window : Vacuum Sealed and Tempered Safety Pair Glasses
Dimension (w×d×h)	Effective Space (mm)	330×300×h260mm
	Internal (mm)	350×300×h300mm
	External (mm)	585×375×h420mm
Packing Size (mm) & Gross Weight (kg)		640×450×h500mm, 24kg
Electric Reqts.		1 Phase, AC 120V, 60Hz or 230V, 50 / 60Hz
Cat. No.	230V	**DH.WVB01030**
	120V	**DH.WVB02030**
Price, Each. ₩		1,943,000

* Other Specifications are available upon Customer's Request. ※ **운임 별도**

Spare Stainless-steel Flat Lid for Viscometer Holder

		Ea. Price, ₩
DH.WVB11030	Flat Lid, for **30 Lit**, w380×d330, 5×Φ50mm Holes, **"VBF030"**	55,000

Optional Viscometer Holder

		Ea. Price, ₩
DH.WVB02010	(1) Viscometer Holder, **"WVB02010" for Ostwald, Ubbelohde**	72,500
DH.WVB02011	Viscometer Holder, **"WVB02011" for "witeg" Ubbelohde, Cannon-Fenske**	73,800
DH.WVB02012	Viscometer Holder, **"WVB02012" for Thread-type Ubbelohde**	72,500

Viscosity Bath Validation (IQ, OQ) Service

		Ea. Price, ₩
DH.WVB31030	Validation Service(IQ, OQ), with "WVB-30", **"VBV030"**	

※ The Price(VAT is extra) for Korean End-user, and Changeable.

DAIHAN® Standard Rotary Viscometer-full Set "WVS-0.1M" & "WVS-2M", with Calibration Certificate, 1~2,000,000 cP

With Standard Spindle-kit(LV1~4), Lifting Stand, Hand Handling Case, 0.3~60rpm, **표준형 디지털 회전 점도계-풀세트**

~ 2,000,000cP

2-Year Warranty



with Calibration Certificate

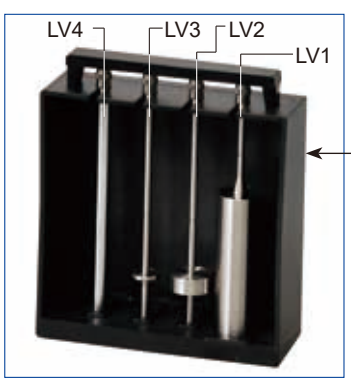
Hand Handling Case

Standard Rotary Viscometer Full Set "WVS"

- ***Supplied by DAIHAN Korea***
- ***Ideal for measuring the Viscosity of Various Liquid such as Grease, Painting, Foodstuff, Dope, Paper making, Cosmetics, Chemical industry, Capsule Stickiness Agent and Medicines.***
- ***Component of Set : Viscometer Unit "WVS", Spindle Kit(LV 1~4), Lifting Stand, Hand Handling Case, Calibration Certificate***
- ***Included ASTM Standard Spindle-kit of 4 Ea. : LV1 : 15~20K, LV2 : 50~100K, LV3 : 200~400K, LV4 : 1K~2M***
- ***Direct Readout of all Measurement Parameters on an illuminated LCD.***
- ***The Viscometer is equipped with many Pre-sets speeds : ("WVS-0.1M" : 6- / 12- / 30- / 60- RPM, "WVS-2M" : 0.3- / 0.6- / 1.5- / 3- / 6- / 12- / 30- / 60-RPM)***
- ***Auto Range Function to determine the Maximum Viscosity with each Spindle / Speed Combination.***
- ***Safety Protection Against Sudden Rises in the Power Supply.***

∗ Data on screen : · Speed Selected : RPM · Spindle Selected : S.P.
· Viscosity Reading : cP(mPa.s) · Percentage of Full Scale : %
· Sample Temperature : ℃

∗ Viscosity Reading : Dynamic Viscosity (cP or mPa-s)
∗ The Viscometer and the PT100 can be calibrated by the User.
∗ Ultra-sensitive Front Keyboard that allows Easy Input of all Parameters.
∗ Error Message in the Screen with Sound Alarm when the Viscosity of the Test Material exceeds the Full Scale of the selected Combination(SP / rpm.)
∗ Sound Alarm if the Equipment is Working at Under 20% of Selected full Scale
∗ Direct reading in cP(mPa.s) ∗ without Limits
∗ Can be Use with Various Optional Accessories : Ultra-Low Viscosity Adaptor RTD Temp. Probe, Micro Printer



(1) Standard LV Spindle kit, LV1 ~ 4
Included for "WVS-0.1M" & "WVS-2M" Meter

Specifications & Ordering information

〈L1〉

Spec. \ Model	A. "WVS-0.1M" Max. Viscosity. 100,000 cP	B. "WVS-2M" Max. Viscosity. 2,000,000 cP
Viscosity Range, cP(mPa.s)	1~100,000 cP	1~2,000,000 cP
Speed Range (RPM)	6, 12, 30, 60	0.3, 0.6, 1.5, 3, 6, 12, 30, 60
Certificate	with Individual Calibration Certificate	
ASTM Standard Spindle-kit& Measure Viscosity Range : cP	Included Standard Spindle-kit(LV1~LV4), Stainless-steel ① LV1 : 15~20,000 cP ② LV2 : 50~100,000 cP ③ LV3 : 200~400,000 cP ④ LV4 : 1,000~2,000,000 cP ※ LV0 Spindle for 1~20 cP(Optional)	
Measurement Error	±5% (Newton Liquid)	
Accuracy	±1.0% of range	
Repeatability	±0.5%	
Ambient Temperature	5℃ ~ 35℃ Relative Humidity : ≤80%	
Weight	4 kg	
Electrical Reqts.	AC 230V, 50/60Hz	
Cat. No. 230V	DH.WV1011	DH.WV1012
Price, Each. ₩	1,934,770	2,187,770

∗ K=1,000 cP(mPa.s), M =1,000,000 cP(mPa.s)



(2) Ultra-Low Viscosity Adaptor



(3) RTD Temp. Probe



(4) Micro Printer, with Cable

Spare Spindle-kit

		Ea. Price, ₩
DH.WV2011	(1) Standard LV Spindle kit, LV1 ~ 4, LV1 : 15~20K, LV2 : 50~100K, LV3 : 200~400K, LV4 : 1K~2M	277,830

Optional Temp Probe · Printer · Spindle

		Ea. Price, ₩
DH.WV2011.2	(2) Ultra-Low Viscosity Adaptor for 1~20cP (LV0 Spindle) ∗ Please order with the product!, Calibration is required because there is no Software and Data of LV0 in the Viscometer	524,800
DH.WV2041	(3) RTD Temp. Probe, 0.0~100.0℃, Accu. ±0.1, Resolution 0.1℃	76,420
DH.WV2043	(4) Micro Printer, with RS-232, 1.5m Cable (Print Information : Temp., RPM, Spindle, Torque, Viscosity)	236,150

DAIHAN® Multi-speed Rotary Viscometer-full Set "WVM-0.6M" & "WVM-6M", 1~6,000,000 cP

With Cal. Certi. & Standard Spindle kit(LV1~4), Lifting Stand, Hand Handling Case, 0.1~60-/100-rpm, **멀티 스피드 디지털 회전 점도계**

~ 6,000,000cP

2-Year Warranty



with Calibration Certificate

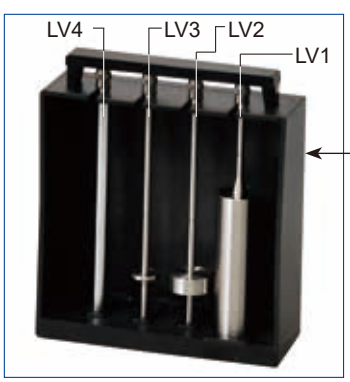
Hand Handling Case

Multi-speed Rotary Viscometer Full Set "WVM"

- ***Supplied by DAIHAN Korea***
- ***Ideal for measuring the Viscosity of Various Liquid such as Grease, Painting, Foodstuff, Dope, Paper making, Cosmetics, Chemical industry, Capsule Stickiness Agent and Medicines.***
- ***Component of Set : Viscometer Unit "WVM", Spindle Kit(LV 1~4), Lifting Stand, Hand Handling Case, Calibration Certificate***
- ***Included ASTM Standard Spindle-kit of 4 Ea. : LV1 : 15~20K, LV2 : 50~100K, LV3 : 200~400K, LV4 : 1K~2M***
- ***Direct Readout of all Measurement Parameters on an illuminated LCD.***
- ***Available Pre-sets speeds, 0.1~100 rpm***
- ***Auto Range Function to determine the Maximum Viscosity with each Spindle / Speed Combination.***
- ***Safety Protection Against Sudden Rises in the Power Supply.***

∗ Data on screen : · Speed Selected : RPM · Spindle Selected : S.P.
· Viscosity Reading : cP(mPa.s) · Percentage of Full Scale : %
· Sample Temperature : ℃

∗ Viscosity Reading : Dynamic Viscosity (cP or mPa-s)
∗ The Viscometer and the PT100 can be calibrated by the User.
∗ Ultra-sensitive Front Keyboard that allows Easy Input of all Parameters.
∗ Error Message in the Screen with Sound Alarm when the Viscosity of the Test Material exceeds the Full Scale of the selected Combination(SP / rpm.)
∗ Sound Alarm if the Equipment is Working at Under 20% of Selected full Scale
∗ Direct reading in cP(mPa.s) ∗ without Limits
∗ Can be Use with Various Optional Accessories : Ultra-Low Viscosity Adaptor RTD Temp. Probe, Micro Printer, Small Sample Adapter



(1) Standard LV Spindle kit, LV1~4
Included for "WVM-0.6M" & "WVM-6M" Meter

Specifications & Ordering information

〈L1〉

Spec. \ Model	A. "WVM-0.6M" Max. Viscosity. 600,000cP	B. "WVM-6M" Max. Viscosity. 6,000,000cP
Viscosity Range cP(mPa.s)	1~600,000cP	1~6,000,000cP
Speed Range (RPM)	1~60	0.1~100
Certificate	with Individual Calibration Certificate	
Certificate	Included Standard Spindle-kit(LV1~LV4), Stainless-steel ① LV1 : 15~20,000cP ② LV2 : 50~100,000cP ③ LV3 : 200~400,000 cP ④ LV4 : 1,000~2,000,000cP ※ LV0 Spindle for 1~20cP(Optional)	
Measurement Error	±5% (Newton Liquid)	
Accuracy	±1.0% of range	
Repeatability	±0.5%	
Ambient Temperature	5℃~35℃ Relative Humidity : ≤80%	
Weight	4 kg	
Electrical Reqts.	AC 230V, 50/60Hz	
Cat. No.	**DH.WV1021**	**DH.WV1022**
Price, Each. ₩	2,902,130	3,547,040

∗ K=1,000 cP(mPa.s), M =1,000,000 cP(mPa.s)

Spare Spindle-kit

		Ea. Price, ₩
DH.WV2011	(1) Standard LV Spindle kit, LV1~4, LV1 : 15~20K, LV2 : 50~100K, LV3 : 200~400K, LV4 : 1K~2M	277,830

Optional Temp Probe · Sample Adapter · Printer · Spindle

		Ea. Price, ₩
DH.WV2011.2	(2) Ultra-Low Viscosity Adaptor for 1~20cP (LV0 Spindle) ∗ **Please order with the product!, Calibration is required because there is no Software and Data of LV0 in the Viscometer**	524,800
DH.WV2041	(3) RTD Temp. Probe, 0.0~100.0℃, Accu. ±0.1, Resolution 0.1℃	76,420
DH.WV2042	(4) Small Sample Adapter, Stainless-steel, 2~16㎖ ∗ **Please order with the product!, Calibration is required because there is no Software and Data of SSA in the Viscometer**	2,347,240
DH.WV2043	(5) Micro Printer, with RS-232, 1.5m Cable (Print Information : Temp., RPM, Spindle, Torque, Viscosity)	236,150



(2) Ultra-Low Viscosity Adaptor



(3) RTD Temp. Probe



(4) Small Sample Adapter



(5) Micro Printer, with Cable

※ The Price(VAT is extra) for Korean End-user, and Changeable.

DAIHAN® Glass/Labware Washer *"WSH400.L"*

Ideal for Laboratory, etc.

Glass/Labware Washer

HIGH PERFORMANCE CLEANING

USER SAFETY

PROGRAM CYCLE

High-performance Cleaning

- Outstanding Fast Cycle and High-Performance Cleaning results from Efficient Direct Injection Washing.
- High performance Pump ensure High Flow Rate of Water.
- Efficient Water Spray Pressure bring about Better and Faster Cleaning.
- Water, Liquid Detergent and Distilled Water Automatically Injected by Program Washing Cycle.



Safety Door Lock

- Door is Automatically Locked for User Safety when Washing Cycle Starts.

Compact, Robust, and Efficient Construction

- Compact design for Space Saving and Maximize Working Capacity in Laboratory.
- Double Layer Structure ensures Soundproof and Heatproof during Operation.
- Built-in Steam Condenser Prevents Steam to Enter into the Laboratory.
- Telescopic Sliding Rails ensures Safe and Easy to Load and Unload.



Irrigation Nozzle

Efficient Washing Cycle Program

- Provide 7 Program Washing Cycles : Pre-set 6 Programs & Customized 1 Program.

Pre-set 6 Program Cycles Setting Value

Pre-set 6 Washing Cycle	PreWash	Light Wash	Standard Wash	Light Demi	Standard Demi	Intense Wash
Tap Water Wash	3min	-	-	-	-	-
Detergent Wash	-	60℃ / 8min	75℃ / 8min	60℃ / 5min	75℃ / 5min	80℃ / 10min
Rinse Wash	-	75℃ / 5min	80℃ / 5min	75℃ / 3min	80℃ / 3min	80℃ / 5min
Distilled Water Wash	-	-	-	2 cycle 3min / cycle	2 cycle 3min / cycle	2 cycle 2min / cycle



Spray Arm

Various Interchangeable Racks & Baskets

- Includes 1 Stainless-steel Wire Basket.
- Various Custom Racks ; Basket, Pipette Rack, Volumetric Flask Rack, Direct Injection Kit, etc.









DAIHAN® Glass/Labware Washer "WSH400.L", Max 85℃, Washing Surface 0.52m², 400Lit/min, Max 5bar

With 1 Stainless-steel Wire Basket, Water · Detergent · Distilled Water-Auto Injection, Program Washing Cycle, Double Wall, Telescopic Rail, **초자 세척기**



2-Year Warranty

Glass/Labware Washer "WSH400.L"



2-Year Warranty

Glass/Labware Washer "WSH400.L" with Customizing Rack (Option)

- ■ ***Supplied by DAIHAN Korea*** ■ ***PL(Product Liability) Insurance.***
- ■ ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System.***
- ■ ***Ideal for Clinical, Pharmaceutical, Bioresearch, Chemical Research, etc.***
- ■ ***Outstanding Fast Washing Cycle and High-performance Cleaning Results from Efficient Direct Injection Washing.***
- ■ ***Water-/Detergent-/Distilled Water- Automatically Injected into Wash Chamber via Pumps.***
- ■ ***Double Layer Wall ensures Soundproof and Heatproof.***
- ■ ***Automatic Door Lock system for User Safety.***
- ■ ***Special Steam Condensing Mechanism for User Safety.***

* Built-in Telescopic Sliding Rail for Safety and Easy to Use.
* Provides Efficient Program Washing Cycle : Pre-set 6Programs and Customizable 1Program.
* Built-in Steam Condenser Prevents Steam to enter into the Laboratory.
* Customizable Various Rack, Basket, Pipette Rack, Volumetric Flask Rack, Direct Injection Kit, etc.

Specifications & Ordering information

〈L1〉

Spec. \ Model			"WSH400.L"
Total Washing Surface			0.52m²
Temp Range			Room Temp +5℃~85℃
Display			Digital LCD with Back-Light Function
Controller			Digital Fuzzy-Control System (Fully Automatic), Touch Button UI
Programmable Function			Pre-set 6 Programs & Customizable 1 Programs
Wash Pump			Recirculation : 400Lit/min, Water Pressure : 3~5bar, Water Consumption : 8~10Lit
Rack			Included 1ea Stainless-steel Standard Rack
Safety Circuit			Over-Temp/-Pressure/-Current protection, Sensor Error Detection
Material			Stainless-steel (#304)-Internal, Stainless-steel (#304)-External
Dimension (w × d × h)	Interior		508 × 515 × h407 mm
	Exterior		600 × 625 × h870 mm
Power Consumption			5 kW
Net Weight			95 kg
Electric Reqts.			1 Phase, AC 120 V, 60 Hz or AC 230 V, 50 or 60 Hz
Cat. No.	60Hz	230V	DH.WGW0400
		120V	DH.WGW0401
	50Hz	230V	DH.WGW5400
Price, Each. ₩			6,496,880

* Other Specifications are available upon Customer's Request.

※ **Electrical Work (Earth Leakage Circuit Breaker 30A) and Water Drainage System should be Prepared in Advance for Installation.**

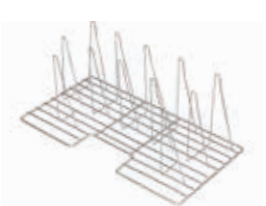
※ **Note! Freight and Installation Charges Separately.**
설치 운임 - 서울·경기 : ₩ 300,000 충청·강원 영서 : ₩ 350,000
대구·경북·전북·강원 영동 : ₩ 400,000 포항·경남·전남 : ₩ 500,000
(※ 공사비가 아닌 설치·운임비용입니다.)



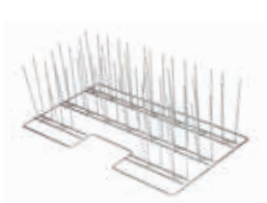
(1) SS Wire Basket



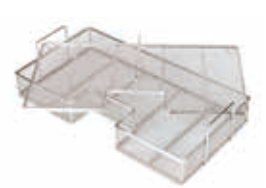
(2) SS Injection Rack



(3) SS Rack, for Vessel



(4) SS Rack, for Test Tube



(5) SS Rack, Mesh-type

(6) Cleaner (7) Rinse



Optional Liquid Detergent

Spare Stainless-steel Standard Rack

		Ea. Price, ₩
DH.WGW01001	(1) SS Wire Basket **"WB495"**, for Rail, 495 × 510mm	357,500

Optional Stainless-steel Injection Rack for Various Vessel

		Ea. Price, ₩
DH.WGW01002	(2) SS Injection Rack for Various Vessel **"IR40"**, 495 × 510mm	2,161,250

Optional Stainless-steel Wire Rack, Use for Included Standard Rack

		Ea. Price, ₩
DH.WGW01003	(3) Wire Rack, for Various Vessel **"WRV12"**, 248 × 460 × h180mm	145,350
DH.WGW01004	(4) , for Test Tube **"WRT56"**, 248 × 460 × h160mm	168,680
DH.WGW01005	(5) , Mesh-type **"WRM248"**, 248 × 460 × h65mm	196,570

Optional Liquid Cleaning Detergent & Rinse

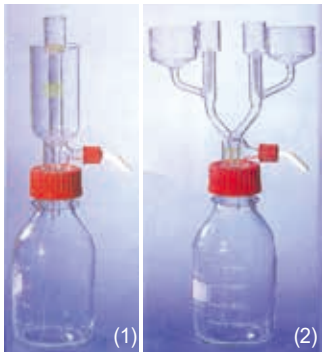
		Ea. Price, ₩
DH.WGW02010	(6) Potassium Hydroxide Liquid Cleaning Detergent, 18Lit	37,000
DH.WGW02011	(7) Nonionic Surfactant Liquid Rinse, 18Lit	37,000

Optional Tube & Bottle for Distilling Water Supply

		Ea. Price, ₩
SL.Bot3105	Bottle, Aspiration, White, 50L, Neck id-Φ95, Φ380 × h700mm	61,500
TUB.Si020	Tubing, 10-size : id/od-Φ10/13 × thick-1.5m	6,570
0338-403	Clamp, Width 8, Grip-Φ6 ~ 16mm	1,930

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description


(1) (2)

"witeg" Cell Washer, for Spectrophotometer Cells, <Germany-Made> 셀 세척기

* Ideal for Washing Cell, Tube of Small Instrument
* with Schott Lab Bottle 500㎖ * Autoclavable.
* with Outer Dimensions not Larger than Approx.20mm.
* Activate flushing by lightly pressing inverted cell onto silicone gasket

Cat. No		<L1> Ea. Price, ₩
WI.2990111	(1) Cell Washer, Single for 100㎖ Washing Solution.	220,590
WI.2990211	(2) , Double for 2×50㎖ Washing Solution.	307,570

Spare Connect, Cap and Septa

Cat. No		<L6> Ea. Price, ₩
SL.Con3041	Connect, PBT, Bent, GL 14, od. 8 mm tube *New*	2,350
DU.2922710	Cap, PBT, Open, Screw GL45, Hole id. Φ34mm	11,050
DU.2923826	Septa, Hole, GL45, od 42×id 26mm	27,840


(1) (2)

NMR Tube Washer, DURAN glass, for NMR Tube, NMR 튜브 세척기

■ ***Made of Original DURAN® Borosilicate Glass 3.3***
■ ***Custom-Made Available***
* Wash and Dry Cell, Test Tubes or Small Scale Volumetric Instruments.
* Connected to a Vacuum Pump. Suitable for NMR Tube cleaning.
* Autoclavable.

(1) SciLab® NMR Tube Washer, Joint-type

* Supplied by SciLab Korea * 250㎖ Flask Included

Cat. No		<L1> Ea. Price, ₩
SL.Tub2101	Washer, NMR Tube, 250㎖, Joint	76,130

(2) "witeg" NMR Tube Washer, Screw-type

* Made in Germany * 1,000㎖ Bottle Included

Cat. No		Ea. Price, ₩
WI.2900032	Washer, NMR Tube, 1,000㎖, Screw	497,690


Suggested Basic Set for Burettes


(1) (2) (3)

Kartell® Automatic Pipette/Burette Washer, PP/PE, Up to L600mm

Consists of Washer · Jar · Basket, each ordered Separately, PP/PE 자동 피펫/뷰렛 세척기

■ ***Made in Italy***
■ ***Ideal for the Laboratory where Radioactive, Caustic and Toxic materials are in use***
* High Quality and High Speed
* Washing Pipettes up to 600mm long and Mohr Burettes Quickly and Safely
* The PE Washer Fills via the Spray Nozzle located on the Top Rim.
* Contaminated Water will be discharged totally via the Large Diameter Drain located at the Lowest Point
* Specially designed Baskets minimize Breakages as it Buffers the Tips of Pipettes against the soft PE Base.
* Additional Baskets and Jars are recommended as Soaking takes the Longest Time.
* Outlet tubing id Φ13mm (not included)

▶Suggested Basic Set:
* **for Pipettes** : 1×Washer(217) + 2×Basket(222) + 1×Jar(221)
* **for Burettes** : 1×Washer(215) + 2×Basket(219) + 2×Handle(1219) + 1×Jar(218)

Cat. No		<L1> Ea. Price, ₩
KA.215	**(1) Burette Washer, Auto,** Φ173× h980mm	356,420
KA.217	**Pipette Washer, Auto,** Φ170× h734mm	339,880
KA.218	**(2) Burette Jar, for Soaking,** Φ165×h650mm	157,880
KA.221	**Pipette Jar, for Soaking,** Φ165×h503mm	157,880
KA.219	**(3) Burette Basket**, for Handling, Φ145×h280mm, Total h645mm	70,330
KA.222	**Pipette Basket**, for Handling, Φ145×h280mm, Total h495mm	65,650
KA.1219	**Extension Handle,** for 219 Burette Basket, L290mm	15,630

Articles	Cat. No	Description



PP Biohazard Bag and Foldable Stand

SciLab® Biohazard Waste Collection Bag(PP) & Stand, 20×30cm~60×90cm, t0.05mm

For Pollution Prevention & Hygiene, Disposable, Autoclavable, PP **바이오해저드 백, 스탠드 별도**



<L1>

■ ***Made in Korea*** ■ ***Made of PP (Polypropylene)***
■ ***유해폐기물의 고압 멸균 용도에 적합.*** ■ ***0.05mm-thick.***

* Hazardous Materials must be Autoclaved Prior to Disposal.
* When Autoclaving, Loosen off the Bag Seal
* For Pollution Prevention & Hygiene where Operating Room, Laboratory, Emergency Room
* Incineration Disposal Sterile : Pathogenic Bacteria, Radioactive Materials, Hazardous Organic Compounds

Size \ Model	(1) Biohazard Bag, 0.05mm-thick, PP					(2) Stand, Folding-type, SS	
	Cat. No.	dh pk. Price, ₩		Cs. Price, ₩		Cat. No.	Ea. Price, ₩
20×h30cm	**SL.Bag3001**	50ea	6,890	200ea	25,500	**SL.Sta7001**	24,000
30×h45cm	**SL.Bag3002**	50ea	13,200	200ea	48,880	**SL.Sta7002**	28,000
50×h75cm	**SL.Bag3003**	50ea	32,720	200ea	121,130	**SL.Sta7003**	88,000
60×h90cm	**SL.Bag3004**	50ea	45,900	200ea	170,000	**SL.Sta7004**	96,000



HDPE Biohazard Bag and Foldable Stand

Y & K® Biohazard-bag & Stand(HDPE), 20×30cm~60×90cm, t0.07mm

For Pollution Prevention & Hygiene, Disposable, Red, HDPE **바이오해저드 백, 스탠드 별도**



<L3>

■ ***Made in Korea*** ■ ***Made of HDPE(High Density Polyethylene)*** ■ ***0.07mm-thick.***

* For Pollution Prevention & Hygiene where Operating Room, Laboratory, Emergency Room
* Incineration Disposal Sterile : Pathogenic Bacteria, Radioactive Materials, Hazardous Organic Compounds

Size \ Model	(1) Biohazard Bags, 0.07mm-thick, HDPE					(2) Stand, Folding-type, SS	
	Cat. No.	dh pk. Price, ₩		Cs. Price, ₩		Cat. No.	Ea. Price, ₩
20×h30cm	**Y6.B002**	50ea	5,480	200ea	20,250	**SL.Sta7001**	24,000
30×h45cm	**Y6.B003**	50ea	10,490	200ea	38,820	**SL.Sta7002**	28,000
40×h60cm	**Y6.B004**	50ea	17,330	200ea	64,130	**SL.Sta7002.1**	62,000
50×h75cm	**Y6.B005**	50ea	25,980	200ea	96,190	**SL.Sta7003**	88,000
60×h90cm	**Y6.B006**	50ea	36,450	200ea	135,000	**SL.Sta7004**	96,000



HDPE General Waste Bag and Foldable Stand

SciLab® HDPE General Waste Bag & Stand, 20×30cm~60×90cm, t0.07mm

Ideal for Storage and Disposal of Waste, Disposable, HDPE **폐기물 봉투, 스탠드 별도**



<L3>

■ ***Made in Korea*** ■ ***Made of HDPE(High-density Polyethylene)*** ■ ***0.07mm-thick.***

* Easy to Transport of General Waste
* Available for Multi-purpose in Various Places.

Size \ Model	(1) General Waste Bag, 0.07mm-thick HDPE					(2) Stand, Folding-type, SS	
	Cat. No.	dh pk. Price, ₩		Cs. Price, ₩		Cat. No.	Ea. Price, ₩
20×h30cm	**SL.Bag3001.1**	50ea	5,280	200ea	19,500	**SL.Sta7001**	24,000
30×h45cm	**SL.Bag3002.1**	50ea	10,100	200ea	37,380	**SL.Sta7002**	28,000
50×h75cm	**SL.Bag3003.1**	50ea	25,020	200ea	92,630	**SL.Sta7003**	88,000
60×h90cm	**SL.Bag3004.1**	50ea	35,100	200ea	130,000	**SL.Sta7004**	96,000



(1) (2)

Mediland® Contagious Waste Box, PP, with Needle Remover & Safety Locking Lid, 1 & 2 Lit

Ideal for Storage and Disposal of Contagious Waste, −10℃+125/140℃, **감염성 폐기물 전용용기**

■ ***Made in Korea*** ■ ***Consist of Container, Needle Remover and Safety Locking Lid.***

* Protect User from Contact with Needle and Contagious Waste.
* Marked with a Biohazard Symbol.
* Ideal for Safe Storage or Transport of Biohazard Waste.

<M4>

		Ea. Price,₩	Cs.	Price, ₩
M7.004	(1) Contagious Waste Box, 1Lit, 110×80× h130mm	2,880	30ea	79,690
M7.005	(2) , 2Lit, 140×95× h196mm	3,220	30ea	89,070

※ The Price(VAT is extra) for Korean End-user, and Changeable.

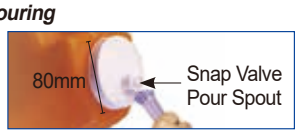
Articles	Cat. No	Description



Simport® URISAFE® 24-hr Urine Container, HDPE, with Snap Valve Pour Spout, Graduated, 3 & 4Lit

Chemical Resistant, Ease of Patient Use, Neck ID 80mm, Leakproof, Dripless Pouring, <Canada-Made> 대용량 소변통

■ ***뚜껑에 스냅밸브 주입구가 있어서 손쉽게 샘플을 튜브에 옮길 수 있음***
■ ***The Unique Snap Valve Pour Spout is easily Popped Open and Offers Dripless Pouring***
■ ***Material : Container-High Density Polyethylene (HDPE), Cap-Polypropylene (PP)***



∗ Snap Valve Pouring Spout Incorporated
∗ Reduced Risks of Aerosol Contamination When Pouring
∗ Convenient Refrigerator Storage with Less Wasted Space
∗ Can be Gamma Sterilized ∗ Large Centrally Located Handle for Good Balance and Ease of Manipulation
∗ Resistant to Hydrochloric Acid ∗ Metal, Latex, Zinc and Fluorescence Free
∗ Available for Freezing, Thawing and EtO Gas Sterilisation ∗ Graduations are Easy to Read, 100㎖ Increments 〈L1〉
∗ Graduated Vertically and Horizontally

		Ea. Price,₩	Cs.	Price, ₩
SP.B350	(1) Urine Container, HDPE, 3Lit, 115×245× h160mm	5,850	40ea	222,770
SP.B350.4L	(2) , 4Lit, 115×245× h201mm	7,200	30ea	205,380



VITLAB® Safety Collection System, with PP Container · HDPE Funnel · PP Screw Cap, 10Lit

For Chemical Waste, Transparent, 폐기약품 안전수집장치(통), 투명성 PP 폐기물 수집 / 폐기용

■ ***Supplied by VITLAB® in Germany*** ■ ***For safe disposal of Liquid Chemical Waste***
∗ Safety Collecting Funnel System : Automatic Valve Type to Avoid Overflow, Interchangeable
∗ The Valve Closes the Container(PP) and Minimizes Evaporation
∗ PP Screwcap GL63 with Sealing Ring is included.

〈L1〉

		Ea.	Price, ₩
VI.1515.94	Collecting System Set, 10 Lit, Φ222×h 560 mm		811,890

Spare Screwcap and Container

		Ea. Price, ₩	Cs.	Price, ₩
VI.833.14	PP Closetop, Screwcap, GL63 for VI.1515.94	2,350	12ea	27,370
VI.1009.89	PP Container 10 Lit, with 2 Handle	124,730		


Waste Disposal Tank

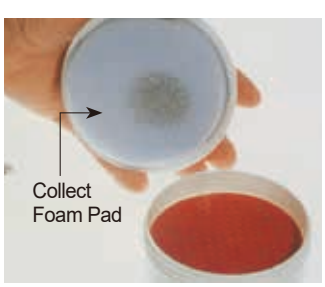
KGW® Waste Disposal Tank, Safety Glass Vessel with Metal Housing, 4~15Lit

Ideal for Storage and Transport of Aggressive Waste, <Germany-Made> 폐기물 처리 탱크

∗ Storage and Transport of Aggressive Waste in Laboratory.
∗ The Glass is Resistant Against Nearly all Kinds of Chemicals
∗ Safety Metal Housing & Internal Borosilicate glass 3.3
∗ Resistant : Hydrologic Class 1, Acid Class 1, Alkaline Class 2
∗ Non Resistant : Hydrofluoric Acid, Heated Phosphoric Acid, High density Alkaline Solution
∗ Standard Equipment : Screw Lock, Overpressure Safety Device, Handle, Glass Insert
Red Coated Cover, Warning Stickers

〈L1〉

		Ea.	Price, ₩
KG.1625	Waste Disposal Tank, 4 Lit , Neck i.d 87 mm In. h 325 mm		1,178,420
KG.1621	, 8 Lit , Neck i.d 87 mm In. h 370 mm		1,270,650
KG.1622	, 15 Lit, Neck i.d 87 mm In. h 400 mm		1,534,640



Burkle® Mercury Collector, with Collection Foam Pad of PE, Φ105×h48mm

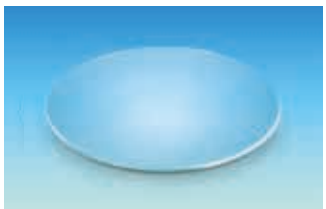
For Mercury Spill Clean-up Quick and Simple, <Germany-Made> PE 수은 콜렉터

■ ***Collect Spilled Mercury by Pressing the PE Foam Pad in the Screw Top Closure***
∗ Easy to Draw into and Encapsulate Collected Mercury in the Pad by Releasing the Pressure
∗ Release the Collected Mercury by Screwing the Closure on to the Jar

〈L1〉

		Ea.	Price, ₩
BK.9789.0001	Mercury Collector, Φ105×h 48mm		75,290
BK.9789.0002	Replacement Pad for Mercury Collector		12,650

Articles | Cat. No | Description



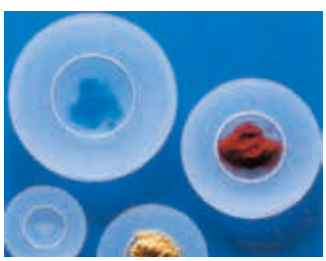
Watch Glass of Soda-Lime Glass & Boro 3.3, Φ45mm~Φ250mm, Good for Beaker 25~10,000㎖

글라스 시계접시, 소다글라스 & 보로글라스 3.3

■ ***45mm~Φ180mm : Soda-Lime Glass, Non-Autoclavable***
■ ***Φ200mm & Φ250mm : DURAN® Boro 3.3, Autoclavable***

〈L1〉

Cat. No.	Glass	Dia. Φmm	Ea. Price, ₩	Cs.	Price, ₩
SL.Gla1021	Soda-Lime	Φ45mm	-	10ea	6,120
SL.Gla1022	Soda-Lime	Φ50mm	-	10ea	6,990
SL.Gla1023	Soda-Lime	Φ60mm	-	10ea	7,280
SL.Gla1024	Soda-Lime	Φ70mm	-	10ea	7,960
SL.Gla1025	Soda-Lime	Φ80mm	-	10ea	10,480
SL.Gla1026	Soda-Lime	Φ90mm	-	10ea	11,940
SL.Gla1027	Soda-Lime	Φ100mm	-	10ea	13,780
SL.Gla1028	Soda-Lime	Φ120mm	1,480	10ea	14,360
SL.Gla1029	Soda-Lime	Φ150mm	1,750	10ea	16,980
SL.Gla1030	Soda-Lime	Φ180mm	2,680	10ea	26,000
DU.2132161	DURAN® Boro 3.3	Φ200mm	51,380	10ea	498,280
DU.2132166	DURAN® Boro 3.3	Φ250mm	-	1ea	129,140



Kartell® PP Watch Glass, Translucent, Autoclavable, Φ60mm~Φ125mm

With Stable Base, −10℃+125/140℃ Stable, <Italy-Made> PP 대중형 시계접시, 투명

〈L1〉

∗ Made of Polypropylene(PP)

		Ea. Price,₩	Pk.	Price, ₩
KA.452	Watch Glass, PP, Φ60mm , Fit Beaker - 100㎖	2,640	10ea	25,580
KA.454	, Φ80mm , - 250㎖	3,320	10ea	32,120
KA.455	, Φ100mm, - 500㎖	4,120	10ea	39,800
KA.456	, Φ125mm, - 1000㎖	4,950	10ea	47,940



Cowie® PTFE Teflon Watch Glass, Autoclavable, Φ30mm~Φ200mm

Ideal for Covering Beakers, −200℃+280℃ Stable, <UK-Made> PTFE 내열/내약품성 시계접시

〈L1〉

∗ Ideal for Covering Beakers During Digestions and for Spotting out

		Ea.	Price, ₩
CW.013.030	Watch Glass, PTFE, Φ30 mm , Fit Beaker - 5~10㎖		6,390
CW.013.040	, Φ40 mm , - 25㎖		7,780
CW.013.050	, Φ50 mm , - 50㎖		8,340
CW.013.065	, Φ65 mm , - 100㎖		9,190
CW.013.075	, Φ75 mm , - 150㎖		10,000
CW.013.080	, Φ80 mm , - 250㎖		10,300
CW.013.100	, Φ100 mm, - 400~500㎖		14,290
CW.013.125	, Φ125 mm, - 600~1000㎖		22,230
CW.013.150	, Φ150 mm, - 2000㎖		34,750
CW.013.200	, Φ200 mm, - 5000㎖		59,690

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Water Purification

Classic Water Still ····· P. 924~925
Reverse Osmosis(RO) ····· P. 926
Ultra Pure(UP) ····· P. 927
Ultra Pure(UP) & Pure(RO) ····· P. 928

>> Classic Water Still



"WWS-S" model
with Stainless-steel 100 mesh Prefilter
4 · 8 · 12 Lit/hr

"WWS-P" model
with PP 1㎛ pore Cartridge Prefilter
4 · 8 · 12 Lit/hr

>> Classic Water Still



"CWS"

>> Water Purification System



"New-P.NIX RO"

"New-P.NIX Power"

"New-P.NIX UP 900"

Articles	Cat. No	Description

DAIHAN® Electric Classic Water Still "WWS", All Stainless-steel, Built-in Prefilter & Auto On/Off system

For Laboratory Water, Pyrogen-free, 0.3㏁·cm(resistivity), pH5.4 to 7.3, Capa. 4 · 8 · 12 Lit/hr

(1) with Stainless-steel 100 mesh Prefilter, (2) with PP 1㎛ pore Cartridge Prefilter, **필터부착형 증류수 제조기**

2-Year Warranty



(1) with Stainless-steel 100 mesh Prefilter, "WWS-S": 4 · 8 · 12 Lit/hr

2-Year Warranty



(2) with PP 1㎛ pore Cartridge Prefilter, "WWS-P": 4 · 8 · 12 Lit/hr

- ■ ***Supplied by DAIHAN Korea*** ■ ***2-Year Warranty***
- ■ ***High-performance / All Stainless-steel (SS-430/304) models : Designed for the Durability & Consistent Quality***
- ■ ***"WWS-S" models, Built-in Stainless-steel(SS-304) Prefilter Kit, interchangeable 100 mesh (150㎛) : Remove Particles & Scale-forming impurity.***
- ■ ***"WWS-P" models, Built-in PP(Polypropylene) 1㎛ Prefilter / Cartridge Kit, interchangeable : Remove Rust, Particles & Scale-forming impurity.(Filter Replace Period ; 20~40 Day)***
- ■ ***All Models, Complete Set with :***
  - ***① Stainless-steel Unit Kit,***
  - ***② External Consistent-Level Device,***
  - ***③ Drain Valve, ④ Prefilter Kit,***
  - ***⑤ 2m Feeding Water Tubing (Silicone) Assembly for Connection of Water Tap Φ15 or Φ19 mm,***
  - ***⑥ PP Un-equal Tapered Connector Φ8,10,12 / 14,16mm-for Different Diameter Tubings***
- ■ ***Auto On/Off with Water Level Sensor/Micro Level Sensor.***

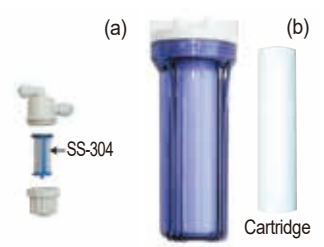
* This space-saving horizontal condenser was designed for durability and consistent quality
* Energy saving features include a condenser that preheats the feedwater and a double-walled evaporator.
* A low water cutoff protects heating elements from burn-out when water supply is interrupted
* Stainless-steel Heater Built-in 0.4mm Ni/Cr. Element, Boiler, Efficient Energy and Water Consumption.
* Sealing : Silicone O-ring packing.



Plug Code "C"



Plug Code "F"



Stainless-steel Filter Kit & P.P Filter Kit



Ex> Installation of Water Still

Specifications & Ordering information

〈L1〉

Spec. \ Model		(1) With Stainless steel 100 mesh Prefilter			(2) With PP 1㎛ pore Cartridge Prefilter		
		"WWS-S4"	"WWS-S8"	"WWS-S12"	"WWS-P4"	"WWS-P8"	"WWS-P12"
Capacity(Water)		4 Lit/hr	8 Lit/hr	12 Lit/hr	4 Lit/hr	8 Lit/hr	12 Lit/hr
Filter	Function	Remove Particles & Scale-forming impurity			Remove Rust, Particles & Scale-forming impurity		
	Material	Stainless-steel, SS304			PP(Polypropylene)		
	Housing	POM(Polyoxymethylene)			PE(Polyethylene)		
	Pore size	150㎛(100 mesh)			1㎛		
	Heat-resisting	-29℃ + 85℃			85℃		
Water Purity		0.3㏁·cm (resistivity), pH5.4 to 7.3					
Level Sensor		Auto On/Off with Water Level Sensor / Micro Level Sensor					
Material	Boiler	SS-430	SS-430		SS-430	SS-430	
	Condenser	SS-304	SS-304		SS-304	SS-304	
	Base	SS-430	Aluminum		SS-304	Aluminum	
Size	Condenser(only)	Φ85×L375	Φ120×L430	Φ120×L490	Φ85×L375	Φ120×L430	Φ120×L490
	Body	Φ350×h670	Φ350×h760	Φ350×h760	Φ400×h670	Φ400×h760	Φ400×h760
Heater		3kW	6kW (3kW×2Ea)	9kW (3kW×3Ea)	3kW	6kW (3kW×2Ea)	9kW (3kW×3Ea)
Plug Style		Plug Code "C"	Plug Code "F"		Plug Code "C"	Plug Code "F"	
Electrical Reqts.		1 Phase, AC 220V, 60Hz					
Cat. No.	220V	DH.WWS01004	DH.WWS01008	DH.WWS01012	DH.WWS02004	DH.WWS02008	DH.WWS02012
Price, Each. ₩		368,000	588,000	654,000	422,000	642,000	708,000

Spare Prefilter & Optional Storage Bottle

		Ea. Price, ₩
DH.WWS10101	(a) **Spare**, Stainless-steel 100 mesh Prefilter Kit, **"SF101"**, POM Housing Φ36×h61mm, SS-304 Filter only Φ22×h46mm	22,000
DH.WWS10102	(b) , PP 1㎛ pore Cartridge Prefilter & Housing Kit, **"PF102"**, PE Housing Φ110×h300mm, PP Filter only Φ60×h252mm	62,350
DH.WWP.10PF	**Spare**, PP 1㎛ pore Cartridge Prefilter, **"PF103"**, Φ(od.) PP Filter 60×Φ(id.) 30×h252mm	3,450
DH.WWS10104	, PE Housing only, **"PF104"**, Φ110×h300mm	58,920
SL.Bot3102	**Optional**, Bottle, HDPE, Aspiration, White, 5L, Neck id-Φ70, Φ200×h360mm	22,800
SL.Bot3103	, 10L, -Φ70, Φ250×h460mm	27,000
SL.Bot3104	, 20L, -Φ95, Φ300×h555mm	31,000
SL.Bot3105	, 50L, -Φ95, Φ380×h700mm	61,500

※ The Price(VAT is extra) for Korean End-user, and Changeable.

DAIHAN® 3.5 & 7.5 Lit/hr Electric Chamber Water Still "CWS", All Stainless-steel, Auto On/Off System

Good for Laboratory Water, Double Wall Still Chamber, Built-in PP 1㎛ pore Cartridge Prefilter, **스텐레스 사각 증류수 제조기, 필터부착형**



3.5 & 7.5 Lit/hr Cabinet-type Water Still "CWS"



Plug Code"C"



Plug Code"F"



(1) Cartridge Prefilter & PE Housing



(2) HDPE Storage Bottle 5~50L







- ***Supplied by DAIHAN Korea***
- ***All Stainless-steel for Corrosion Resistance***
- ***Double-walled Chamber Structure for Protects Burn Injuries***
- ***High-performance & Compact Design***

* Designed for the Durability & Consistent Quality
* Built-in Interchangeable PP(Polypropylene) 1㎛ Prefilter Cartridge Kit
* Condenser and Boiler are Separable for Easy Cleaning and Maintenance
* Auto Heater On/Off with Water Level Sensor & OPT Sensor
* Pre-filter Removes Rust, Particles & Scale-forming Impurity
* Economical Energy and Water Consumption
* Built in Low water Sensor for Protects Heating Elements
* Sealing : Silicone Gasket

Specifications & Ordering information

<L2>

Spec. \ Model		"CWS-4"	"CWS-8"
Capacity		Max. 3.5 Lit / hr	Max. 7.5 Lit / hr
Cooling Water		30~50 Lit	60~80 Lit
Filter	Function	Remove Rust, Particles & Scale-forming Impurity	
	Material	PP (Polypropylene)	
	Housing	PC (Polycarbonate) Bottle + PP (Polypropylene) Lid	
	Pore size	1 ㎛	
	Heat-resisting	85℃	
Water Purity		0.3MΩ·cm (resistivity), pH5.4 to 7.3	
Level Sensor		Auto On / Off with Water Level Sensor / Micro Level Sensor	
Material	Interior	Stainless-steel	
	Exterior	Stainless-steel Hair Lined with Powder Coating	
	Heater	Stainless-steel Pipe	
Safety		Low Water & Over Temperature Protection, Electric Leakage Circuit Breaker	
Dimension(w×d×h)		430×315×h570 mm	445×325×h630 mm
Net Weight		12 kg	18 kg
Packing Size(w×d×h)		440×370×h610 mm	450×380×h670 mm
Gross Weight		13 kg	19 kg
Power Consumption		3 kW	6 kW
Plug Style		Plug Code "C"	Plug Code "F"
Electric Reqts.		220 V, 50 / 60 Hz, 1 Phase	
Cat. No.		DH.WatS8001	DH.WatS8002
Price, Each. ₩		1,049,000	1,219,000

* Other Specifications are available upon Customer's Request.

※ 운임 별도

(1) Spare Prefilter

		Ea. Price, ₩
DH.WatA1001	PP 1㎛ pore Cartridge Prefilter Housing Kit, **"CWS-A1001"**	25,380
DH.WatA1002	PP 1㎛ pore Cartridge Prefilter Only, **"CWS-A1002"**	3,630
DH.WatA1003	Housing Only, PC Bottle & PP Lid **"CWS-A1003"**	21,750

(2) Optional HDPE Storage Bottle

		Ea. Price, ₩
SL.Bot3102	Bottle, Aspiration, White, 5L , Neck id-Φ70, Φ200×h360 mm	22,800
SL.Bot3103	, 10L, -Φ70, Φ250×h460 mm	27,000
SL.Bot3104	, 20L, -Φ95, Φ300×h555 mm	31,000
SL.Bot3105	, 50L, -Φ95, Φ380×h700 mm	61,500

(3) Optional Inlet/Outlet Tube & Clamp

		m/dh.pk. Price, ₩		Roll. Price, ₩	
TUB.PV034	(A) Tubing, PVC, id/od-Φ10/14×thick-2mm, for Feeding Water	1m	1,200	90m	71,500
TUB.Si020	(B) Tubing, 10-size; id.od-Φ10/13 thick-1.5mm, for Distilled & Cooling Water	1m	6,570	10m	43,740
				Pk. Price, ₩	
0338-405	(C) Clamp, width 8. Grip-Φ8~22mm			10ea	1,930

Articles	Cat. No	Description

DAIHAN® Water Purification System "New-P.NIX RO(Reverse Osmosis)", 15 · 25 · 35L/hr

With Pretreatment System, 2-Steps of Filter Exchange Indicator, (RO) Product 0.2~30㎲/cm, 순수 제조기



2-Year Warranty

- ■ *Supplied by DAIHAN Korea* ■ *Certified CE, ISO 9001, ISO 14001*
- ■ *Built-In RS 232C Port and Volumetric Dispensing Function by Timer, Included Level sensor*
- ■ *Auto Regular Recycling to Maintain the Optimum water Quality Level*
- ■ *Programming by 2 Steps for the Filter Exchange*
- ■ *Filter Replace Message Indicating by LCD Display & Blinking LED Light*

* Microprocess One Touch Technology Controller
* 16×4 Characters Backlight LCD Digital Display
* Awarded the Korean Excellent Products
* Included Pretreatment System HMC-PT1, 14″ Super A/C Filter, RO Pack



Included Pretreatment System 'HMC-PT1'

Specifications & Ordering information

〈L2〉

Spec. \ Model	"New-P.NIX RO 180" Max. Daily Volume. (Max. 60L/day)	"New-P.NIX RO 280" Max. Daily Volume. (Max. 100L/day)	"New-P.NIX RO 380" Max. Daily Volume. (Max. 120L/day)
Certified Mark	CE, ISO 9001, ISO 14001		
Product Flow Rate(RO)	Max. 15L/hr	Max. 25L/hr	Max. 35L/hr
Daily Volume	60L/day	100L/day	120L/day
Water Quality Display	• RO Product : 0.2 to 250.0㎲/cm • Feed water : 10 to 1000㎲/cm • Temperature : 0℃ to 99.9℃		
Display	16×4 Characters Backlight LCD Digital Display		
Controller	Microprocess One Touch Technology		
Dimensions (w×d×h)	300×460×h 470mm		
Power	210~230V, 50/60 Hz, 60W		
Cat. No.	**DH.WWP.RO180**	**DH.WWP.RO280**	**DH.WWP.RO380**
Price, Each. ₩	2,580,000	2,872,000	3,337,000

Optional Accessory

		Ea. Price, ₩
SL.Bot3102	(1) Bottle, HDPE, Aspiration, White, 5L, Neck id-Φ70, Φ200×h360mm	22,800
SL.Bot3103	, 10L, -Φ70, Φ250×h460mm	27,000
SL.Bot3104	, 20L, -Φ95, Φ300×h555mm	31,000
SL.Bot3105	, 50L, -Φ95, Φ380×h700mm	61,500
SL.Bot3106	(2) Bottle, HDPE, Aspiration, Amber, 5L, Neck id-Φ70, Φ200×h360mm	26,500
SL.Bot3107	, 10L, -Φ70, Φ250×h460mm	32,800
SL.Bot3108	, 20L, -Φ95, Φ300×h555mm	37,800
SL.Bot3109	, 50L, -Φ95, Φ380×h700mm	73,000



(1) White, HDPE Aspiration Bottle

(2) Amber, HDPE Aspiration Bottle

Spare Filter

Cat. No.	Description	Filter Replace Period	Ea. Price, ₩
DH.WWP.PR14AC	(3) 14″ Super A/C Filter	Approx. 3~4 Month	29,370
DH.WWP.10PF	(4) 10″ Prefilter for HMC-PT1	20 ~ 40 Day	3,450
DH.WWP.ROM1	(5) P.NIX RO Pack Ⅰ for DH.WWP.RO180	Approx. 1 Year	342,000
DH.WWP.ROM2	(6) P.NIX RO Pack Ⅱ for DH.WWP.RO280		467,000
DH.WWP.ROM3	(7) P.NIX RO Pack Ⅲ for DH.WWP.RO380		543,000

- The above mentioned Filter replacement period can be changed according to various factors such as feed water condition, producing volume and so on.



(3) 14″ Super A/C Filter

(4) 10″ Prefilter



(5) P.NIX RO Pack Ⅰ Filter for "New-P.NIX RO 180"



(6), (7) P.NIX RO Pack Ⅱ, Ⅲ Filter for "New-P.NIX RO 280", "New-P.NIX RO 380"

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description

DAIHAN® Ultra Pure(UP) Water Purification System "New-P.NIX UP 900", Max 1.5L/min

With Total Organic Carbon(TOC), 2-Steps of Filter Exchange Indicator, (UP) Up to 18.3㏁·cm, 초순수 제조기



2-Year Warranty

- ■ *Supplied by DAIHAN Korea* ■ *Certified CE, ISO 9001, ISO 14001*
- ■ *RS 232C Port and Volumetric Dispensing Function by Timer*
- ■ *Auto Regular Recycling to Maintain the Optimum water Quality Level*
- ■ *Programming by 2 Steps for the Filter Exchange*
- ■ *Filter Replace Message Indicating by LCD Display & Blinking LED Light*

∗ Microprocess One Touch Technology Controller
∗ 16×4 Characters Backlight LCD Digital Display
∗ Obtain GD, QD Mark, Awarded the Korean Excellent Products
∗ Included 0.2㎛ Final Capsule Filter, UP Membrane Pack
∗ This Device needs Pure Water entering.
(Please see the Preceding Pages for the Water Purification System.)

Specifications & Ordering information

〈L2〉

Spec. \ Model	"New-P.NIX UP 900"			
	Scholar-type	UV-type	Bio-type	Integrate-type
Certified Mark	CE, ISO 9001, ISO 14001			
Product Flow Rate(UP)	Max. 1.5L/min			
Water Quality Display	• UP Product : Up to 18.3㏁·cm • Feed water : 0 to 250㎲/cm • Temperature : 0℃ to 99.9℃			
Display	16×4 Characters Backlight LCD Digital Display			
Included Filter Composition	• 0.2㎛ Final Capsule Filter • UP Pack (DH.WWP.UPS)	• 0.2㎛ Final Capsule Filter • UP Pack (DH.WWP.UPU) • 254/185UV Lamp	• 0.2㎛ Final Capsule Filter • UP Pack (DH.WWP.UPS) • MW 5000 UF Filter(L)	• 0.2㎛ Final Capsule Filter • UP Pack(DH.WWP.UPU) • 254/185UV Lamp • MW 5000 UF Filter(L)
Controller	Microprocess One Touch Technology			
Dimensions (w×d×h)	300×500×h 470mm			
Power	210~230V, 50/60 Hz			
Cat. No.	**DH.WWP.UP.S**	**DH.WWP.UP.U**	**DH.WWP.UP.B**	**DH.WWP.UP.I**
Price, Each. ₩	3,259,000	3,685,000	4,438,000	4,884,000

● TOC monitoring system is also available for the Integrate-type on request. (TOC monitoring display range : 0~200ppb)



(1) White, HDPE Aspiration Bottle (2) Amber, HDPE Aspiration Bottle



(3) 0.2㎛ Final Capsule Filter



(4), (5) P.NIX UP Pack Filter

Optional Accessory

		Ea. Price, ₩
SL.Bot3102	(1) Bottle, HDPE, Aspiration, White, 5L, Neck id-Φ70, Φ200×h360mm	22,800
SL.Bot3103	, 10L, -Φ70, Φ250×h460mm	27,000
SL.Bot3104	, 20L, -Φ95, Φ300×h555mm	31,000
SL.Bot3105	, 50L, -Φ95, Φ380×h700mm	61,500
SL.Bot3106	(2) Bottle, HDPE, Aspiration, Amber, 5L, Neck id-Φ70, Φ200×h360mm	26,500
SL.Bot3107	, 10L, -Φ70, Φ250×h460mm	32,800
SL.Bot3108	, 20L, -Φ95, Φ300×h555mm	37,800
SL.Bot3109	, 50L, -Φ95, Φ380×h700mm	73,000

Spare Filter & UV Lamp

Cat. No.	Description	Filter Replace Period	Ea. Price, ₩
DH.WWP.0.2CF	(3) 0.2㎛ Final Capsule Filter	Approx. 6~8 Month	74,000
DH.WWP.UPS	(4) P.NIX UP Pack, Scholar / Bio	Approx. 1 Year	467,000
DH.WWP.UPU	(5) P.NIX UP Pack, Scholar-UV / Integrate		467,000
DH.WWP.MWL	MW 5000 UF Filter(L)	Approx. 6~8 Month	884,000
DH.WWP.UV	254/185 UV Lamp	Approx. 3 Year	348,000

● The above mentioned Filter replacement period can be changed according to various factors such as feed water condition, producing volume and so on.

Articles	Cat. No	Description

DAIHAN® Ultra Pure(UP) & Pure(RO) Water Purification All-in-One System "New-P.NIX Power", Max 15L/hr

With Pretreatment System, 2-Steps of Filter Exchange Indicator, (RO) 0.2~250㎲/cm, (UP) Up to 18.3㏁·cm, 초순수/순수 제조기



2-Year Warranty

- ■ *Supplied by DAIHAN Korea* ■ *Certified CE, ISO 9001, ISO 14001*
- ■ *Built-In RS 232C Port and Volumetric Dispensing Function by Timer, Included Level sensor*
- ■ *Auto Regular Recycling to Maintain the Optimum water Quality Level*
- ■ *Programming by 2 Steps for the Filter Exchange*
- ■ *Filter Replace Message Indicating by LCD Display & Blinking LED Light*
- ■ *Self-Diagnosis for Ext- & Int-System, Auto Cleaning, Auto Sensor Calibration*

∗ Microprocess One Touch Technology Controller ∗ 16×4 Characters Backlight LCD Digital Display
∗ Awarded the Korean Excellent Products ∗ Daily Volume : 60L/day
∗ Included Pretreatment System HMC-PT-3, RO Pack, UP Pack, 0.2㎛ Final Filter



Included Pretreatment System 'HMC-PT-3'

Specifications & Ordering information

〈L2〉

Spec. \ Model	"New-P.NIX Power Ⅰ"			
	Scholar-type	UV-type	Bio-type	Integrate-type
Certified Mark	CE, ISO 9001, ISO 14001			
Product Flow Rate (RO & UP)	Max. 15L/hr			
Water Quality Display	• Pure water(RO) : 0.2 ~ 250㎲/cm • Ultra Pure water(UP) : Up to ≤18.3㏁·cm • Feed water : 0 to 990㎲/cm • Temperature : 0℃ to 99.9℃			
Included Filter Composition	• Pretreatment System HMC-PT-3 • RO Pack • 0.2㎛ Final Filter • UP Pack(Scholar)	• Pretreatment System HMC-PT-3 • RO Pack • 0.2㎛ Final Filter • UP Pack(S-UV) • 254/185 UV Lamp	• Pretreatment System HMC-PT-3 • RO Pack • 0.2㎛ Final Filter • UP Pack(BIO) • MW5000UF filter(M)	• Pretreatment System HMC-PT-3 • RO Pack • 0.2㎛ Final Filter • UP Pack(INT) • 254/185 UV Lamp • MW5000UF filter(M)
Display	16×4 Characters Backlight LCD Digital Display			
Controller	Microprocess One Touch Technology			
Dimensions (w×d×h)	395×500×h470mm			
Power	210~230V, 50/60 Hz			
Cat. No.	DH.WWP.POWER.S	DH.WWP.POWER.U	DH.WWP.POWER.B	DH.WWP.POWER.I
Price, Each. ₩	4,229,000	4,675,000	5,185,000	5,612,000

● Product Flow Rate 25L/hr and 35L/hr are also available on Request.



(3) 10″ A/C Filter

(4) 10″ Prefilter



(5) P.NIX RO Pack Ⅰ Filter



(6) 0.2㎛ Final Capsule Filter



(7), (8) P.NIX UP Pack Filter

Optional Accessory

		Ea. Price, ₩
SL.Bot3102	(1) Bottle, HDPE, Aspiration, White, 5L, Neck id-Φ70, Φ200×h360mm	22,800
SL.Bot3103	, 10L, -Φ70, Φ250×h460mm	27,000
SL.Bot3104	, 20L, -Φ95, Φ300×h555mm	31,000
SL.Bot3105	, 50L, -Φ95, Φ380×h700mm	61,500
SL.Bot3106	(2) Bottle, HDPE, Aspiration, Amber, 5L, Neck id-Φ70, Φ200×h360mm	26,500
SL.Bot3107	, 10L, -Φ70, Φ250×h460mm	32,800
SL.Bot3108	, 20L, -Φ95, Φ300×h555mm	37,800
SL.Bot3109	, 50L, -Φ95, Φ380×h700mm	73,000

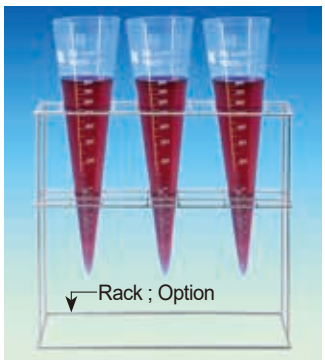
Spare Filter & UV Lamp

Cat. No.	Description	Filter Replace Period	Ea. Price, ₩
DH.WWP.PR10AC	(3) 10″ A/C Filter	Approx. 3~4 Month	20,130
DH.WWP.10PF	(4) 10″ Prefilter for HMC-PT-3	20 ~ 40 Day	3,450
DH.WWP.ROM1	(5) P.NIX RO Pack Ⅰ	Approx. 1 Year	342,000
DH.WWP.0.2CF	(6) 0.2㎛ Final Capsule Filter	Approx. 6~8 Month	74,000
DH.WWP.UPS	(7) P.NIX UP Pack, Scholar/Bio	Approx. 1 Year	467,000
DH.WWP.UPU	(8) P.NIX UP Pack, Scholar-UV/ Integrate	Approx. 1 Year	467,000
DH.WWP.MWM	MW5000UF Filter (M)	Approx. 6~8 Month	720,000
DH.WWP.UV	UV Lamp	Using time : 2000 Hrs	348,000

● The above mentioned Filter replacement period can be changed according to various factors such as feed water condition, producing volume and so on.

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



DURAN Glass Imhoff Cone

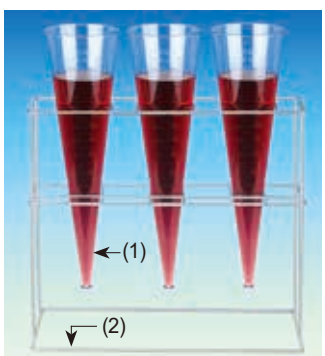
DURAN® Glass Sedimentation Cone, Imhoff-type, Fine-Graduated, 1,000㎖, <Germany-Made>

∗ Quality of Boro. Glass α 3.3 ∗ without Stainless-steel Rack ; Order Separately
∗ Container Detecting Solid Component in the Sea Water or Suspension as well as Waste Water of Home / Industry
∗ External Graduation ∗ Dimension : Top α .Φ120 × Height h470mm

<L1>

		Ea.	Price,₩
DU.2140154	Sedimentation Cone, Imhoff-type, 1,000㎖, 120 × h470mm		149,100

Scale(㎖)	Division(㎖)	Accuracy(㎖)
0~2 ㎖	0.1 ㎖	0.1 ㎖
2~10 ㎖	0.5 ㎖	0.5 ㎖
10~40 ㎖	1 ㎖	1 ㎖
40~100 ㎖	2 ㎖	2 ㎖
1,000 ㎖	Circular marking	10 ㎖



VITLAB® SAN Crystal Clear Imhoff Sediment Cone and Stainless-steel Rack, 1,000㎖
With Bottom Outlet Plug, Precise Raised Scale, Fine-Graduated, <Germany-Made> SAN 임호프샌디멘트콘, 완전투명

■ ***Made of Styrene-Acrylonitrile(SAN) Resin ; Crystal Clear***
■ ***For Determination of Suspended Matter in Liquids : Ex. for Industrial & Municipal Wastewater.***
■ ***Fine-Graduation : ① 0~2㎖ / 0.1㎖, ② 2~10㎖ / 0.5㎖, ③ 10~40㎖ / 1㎖, ④ 40-100㎖ / 2㎖, ⑤ 100~1,000㎖ / 50㎖***
∗ Easy to Washing : Can Open Leak-Free Plug.
∗ Material : Styrene-acrylonitrile Cone, Low Density Polyethylene Plug

<L1>

		Ea.	Price,₩	Cs.	Price,₩
VI.759.91	(1) Plastic Imhoff Cone, 1,000㎖, Top Φ108 × L451mm		49,480	3ea	143,940

(2) Stainless-steel Rack, 3- & 4- Places, <Korea-Made>

SL.Rac7091	Imhoff Cone Rack, 46 × 16 × h420mm, 3-places	63,420	
SL.Rac7092	, 60 × 16 × h420mm, 4-places	79,570	



Sterile LDPE Collapsible Water Collection Bottle, Graduated, 1~6Lit
With PP Screwcap & Handle, −50℃+80/90℃, Folding, Individual Sterile Packed, 무균채수병

■ ***Made in Korea***
∗ With Tight Sealing Screwcap and Handle
∗ Collapsible Bottle for Easy to transport Field Sample
∗ Application : Environmental Water Testing, Field Sampling
∗ EO-gas Sterilizing and Individual Package
∗ With Mold Graduation and Finger Handle.

<L1>

		Pk.	Price,₩	Cs.	Price,₩
SL.Bot3141	Bottle, Sterile, PE, Water Sample, 1,000 / 500㎖	1ea	990	150ea	136,880
SL.Bot3142	, 2,000 / 500㎖	1ea	1,290	100ea	118,130
SL.Bot3143	, 4,000 / 1,000㎖	1ea	1,940	65ea	116,250
SL.Bot3144	, 6,000 / 1,000㎖	1ea	3,250	50ea	150,000



Johnson® TEST PAPERS

Solution & Water Test Papers :
Please See "Test Papers & Strips" Section!

Articles	Cat. No	Description



Non-Woven Wiper, Class 10

AnyClean™ Non-Woven Wiper for Clean Room, 228×228mm, Class 10, 크린룸용 부직포와이퍼

■ Supplied by DAIHAN Korea ***■ 크린룸 Class 10에서 생산 & 포장된 크린룸 전용 와이퍼***
■ 반도체 및 Display 공정의 세척용으로 사용 ***■ 침수성이 탁월하고 흡수력 및 닦임성이 뛰어남***
■ 다양한 작업환경에 적합 ***■ 거친면에 사용하여도 보푸라기가 일어나지 않아 오염을 최소화함***
■ Production and Packaging according to Class 10

∗ Low Particle & Lint, High Absorbency ∗ Suitable for Wiping in Clean Room
∗ Thickness : 0.336mm ∗ Excellent Wiping Ability and Absorption Capacity

〈L1〉

Cat. No	Description	Pk.	Price, ₩
DH.Wip3011	Wiper, for Clean Room, Non-Woven, 228×228mm, 300sheets/Pk.	300sheets	18,680



100/Pk.

Polyester Wiper, Class 10

AnyClean™ Polyester Wiper for Clean Room, 228×228mm, 0.44 & 0.52mm-thick, Class 10
Made of Polyester(100%), High Absorbency & Low Lint, **크린룸용 와이퍼**

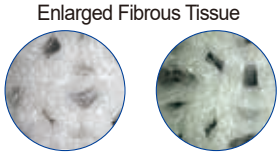
■ Supplied by DAIHAN Korea ***■ 크린룸 Class 10에서 생산 & 포장된 크린룸 전용 와이퍼***
■ 크린룸 안의 장비 Cleaning 및 반도체 FAB, LCD, 생명공학 공정에 세척용으로 사용
■ Production and Packaging according to Class 10 ∗ Laser Cutting : Low Particle & Lint ∗ 100sheets/Pk.
∗ Suitable for Wiping in Clean Room ∗ Easily Wipes Up Liquid and Dust ∗ Excellent Chemical Resistance.

Specifications

〈L1〉

Spec. \ Model	(1) DH.Wip3001	(2) DH.Wip3002
Size / Thickness	228±10mm / 0.52±0.03mm	228±10mm / 0.44±0.03mm
Weight	Min 140g/m²	Min 120g/m²
Air Particle > 0.3㎛	Max 80EA/SH	Max 200EA/SH
Absorbency	Min 340g/m²	Min 320g/m²
Absorption Speed	Max 8sec	Max 8sec
Fibrous Tissue	Double Knit	Interlock
Cat. No.	**DH.Wip3001**	**DH.Wip3002**
Price, Pk. ₩	19,020	17,720

Enlarged Fibrous Tissue



(1) Double Knit (2) Interlock



100/Pk.

Micro Denier Wiper, Class 10

AnyClean™ Micro Denier Wiper for Clean Room, 228×228mm, 0.22~0.43mm-thick, Class 10
Made of Polyester, Anti-Static, High Absorbency & Low Lint, **크린룸용 극세사 와이퍼, 정전기 방지**

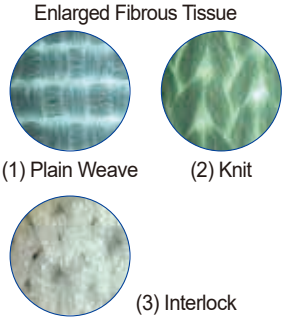
■ Supplied by DAIHAN Korea
■ 크린룸 Class 10에서 생산 & 포장된 크린룸 전용 와이퍼 ***■ 초극세사 사용으로 흡수력, 닦임성이 뛰어남***
■ 크린룸 안의 장비 Cleaning 및 반도체 FAB, LCD, 생명공학 공정에 세척용으로 사용
■ Production and Packaging according to Class 10 ***■ 렌즈, 글라스등 민감한 표면 세척에 사용***
∗ Laser Cutting : Low Particle & Lint ∗ High Absorbency
∗ Suitable for Wiping in Clean Room ∗ Delicate, Sensitive Surfaces Cleaning without Scratches
∗ 100sheets/Pk. ∗ Idea for Cleaning Sensitive Optical and Photomask Surfaces

Specifications

〈L1〉

Spec. \ Model	(1) DH.Wip3006	(2) DH.Wip3007	(3) DH.Wip3008
Size / Thickness	228±10mm / 0.22±0.03mm	228±10mm / 0.43±0.03mm	228±10mm / 0.36±0.03mm
Weight	Min 95g/m²	Min 190g/m²	Min 160g/m²
Air Particle > 0.3㎛	Max 70EA/SH	Max 100EA/SH	Max 100EA/SH
Absorbency	Max 150g/m²	Min 350g/m²	Min 240g/m²
Absorption Speed	Max 7sec	Max 12sec	Max 10sec
Fibrous Tissue	Plain Weave	Knit	Interlock
Cat. No.	**DH.Wip3006**	**DH.Wip3007**	**DH.Wip3008**
Price, Pk. ₩	24,020	38,550	26,220

Enlarged Fibrous Tissue



(1) Plain Weave (2) Knit (3) Interlock



Bemcot® High-Class Clean Wiper for Clean Room, Tissue-type
Made of Cellulose(100%), 100×210mm, **크린룸 전용 와이퍼**

■ 클린룸용 와이퍼 ***■ 우수한 흡수율과 흡수 속도*** ∗ Suitable for Wiping in high Grade of Clean Room
∗ Excellent in Liquid Absorption Rate and Speed, Solvent Resistance

〈L2〉

Cat. No	Description	Pk.	Price,₩	Cs.	Price, ₩
SL.Wip3091	"PS-2" Clean Wiper, for Clean Room, 100×210mm	300ea	17,790	48pk	790,070



Kimtech® Pure Wiper for Clean Room, Low-Lint, Absorbent, Antistatic
Made of Non-Woven(Polypropylene), Basic-grade & Premium, **퓨어 와이퍼, 정전기 방지**

■ 정교한 표면을 흠집없이 깨끗하게 세정 및 제거함
■ 3 Layers : (1) Covering : Long Fiber, (2) Absorbing : Short Fiber, (3) Special Embossing
∗ Extra Low Lint : Delicate surface cleaning without scratches

〈L3〉

Cat. No	Description	Pk.	Price,₩	Cs.	Price, ₩
Y2.42111	Kimtech® Pure Wiper, Basic-grade, 290×300mm, 50 Sheets/Pk.	50sheet	7,670	10pk	70,880
Y2.42131	, Premium , 228×228mm, 50 Sheets/Pk.	50sheet	7,390	20pk	136,690

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description



Wisd™ Science Wiper

Wisd™ Science Wiper, Non-Fluorescence Pulp, Low-Lint/Good Absorbent/Anti-Static
Using on Lab · Electronics · Optical, **사이언스 크린 와이퍼, 로우린트 정전방지형**

■ ***Made in Korea*** ■ ***흡집없이 오염물질 & 먼지 제거*** ■ ***실험실, 전자제품, 정밀기기에 적합***
■ ***Made of Non-Fluorescence Pulp*** ■ ***Antistatic, Low Lint, Solvent Acceptable***
■ ***Easily wipes up Liquid and Dust*** ■ ***Using On Lab, Electronics, and Opticals***

∗ Use for Wiping Polishing Glassware, Cleaning Instruments, and Delicate Surfaces in Laboratory
∗ One-at-a-time Dispensing
∗ Soft and Absorbent Wiper, Resists Scratching Sensitive Surfaces

※ Cs. 운임 별도 〈L1〉

Cat. No		Pk.	Price,₩	Cs.	Price, ₩
DH.Wi9011	*Wisd*™ Science Wiper, 215×215mm, 200Sheet / Pk.	200sheet	2,730	30pk	75,350



Wisd™ Facial Tissue, 100% Virgin Natural Pulp, 2-Layer, 210×200mm
Non-Fluorescence · Fragrance · Dye, 250 Sheets, **미용티슈**

■ ***Made in Korea***
■ ***100%천연펄프, 무향·무잉크·무형광증백제***
∗ Made of 100% Virgin Natural Pulp ∗ Softly Comfort Skin
∗ Non-Fluorescence · Non-Fragrance · Non-Dye ∗ 2-Layer

※ Cs. 운임 별도 〈B4〉

Cat. No		Pk.	Price,₩	Cs.	Price, ₩
DH.Tis901	Facial Tissue, Soft Comforts Skin, 210×200mm, 250 Sheets/Ea	3ea	5,450	8pk	40,280

NEW

(1)



(2)



Say+® Table Napkin & ABS Dispenser, Non-Fluorescence, Non-Toxic, 200×100mm
With Embossing Texture, 1-Layer, Soft & White Color, Folded, **위생냅킨 & 전용용기**

■ ***Made in Korea*** ■ ***100%천연펄프, 무향·무잉크·무형광증백제***

※ Cs. 운임 별도 〈B4〉

(1) 1-Layer Table Napkin with Embossing Texture

Cat. No		dh Pk.	Price,₩	Cs.	Price,₩
K18.KJ10000	Table Napkin, 200×100mm, 100 Sheets/bag.	10bag	3,170	100bag	21,120

(2) ABS Dispenser for Table Napkin

∗ ABS(Acrylonitrile-Butadiene-Styrene Resin) Material

Cat. No		Pk.	Price,₩	Cs.	Price,₩
K18.TND200	Dispenser, for Table Napkin, ABS, 120×120×80mm	1ea	1,820	60pk	100,690



(1) Sheet 형 (2) 6 Roll Set 형

Wisd™ Popular Kitchen Towel, Sheet- & Roll-type, Low-Lint, Non-Fluorescence, Non-Toxic
Made of 100% Virgin Natural Pulp, 2-Layer, **범용 키친타올, 시트타입 & 롤 타입**

■ ***Made in Korea*** ■ ***무형광의 100% 천연펄프로 위생적이며 안심하고 사용 가능***
■ ***Low-Lint, Excellent Tear Resistance*** ∗ Multi-Use in Household · Industry · Laboratory

※ Cs. 운임 별도 〈B4〉

(1) Sheet-type, 215×213mm, 130Sheets

Cat. No		Pk.	Price,₩	Cs.	Price,₩
DH.Tis906	Kitchen Paper Towel, Sheet-type, 2-Layer, 130Sheets	130sheet	1,900	12pk	20,960

(2) Roll-type, 114×216mm, 130Sheets/roll×6

Cat. No		Pk.	Price,₩	Cs.	Price,₩
DH.Tis908	Kitchen Paper Towel, Roll-type, 2-Layer, 130Sheets/roll×6	6roll	4,740	4pk	17,540

NEW



Cleanwrap® Heat Resistant Clean Melamine Wiper, with Water Only, −20℃+150℃
NO-Need Detergent!, Eco-Friendly, Reusable, **물로만 크리너, 세정제 불필요!**

■ ***내열온도/내냉온도 : 150℃ / -20℃***
∗ Excellent Effect on Scribbling by Children, which is Hard to Clean
∗ Washes Stains with Water Only : No-Need for Cleaner Single Side / Double Side

〈B4〉

Cat. No		Pk.	Price, ₩	Cs.	Price, ₩
C10.701	Cleaner, Single Side, 60×110×h30mm	2ea	1,620	60ea	89,340
C10.702	, Double Side A, 60×110×h40mm	2ea	1,650	60ea	91,250
C10.703	, Double Side B, 70×110×h30mm	4ea	2,970	60ea	164,860

NEW



Scott® Antibiosis Foodservice Towel, Reusable, Low-Lint, 300×345mm
Made of Yellow Thick Hydroknit Pulp, Ideal for Foodservice, **항균 푸드서비스 타올**

■ ***부드러우며 흡수가 빠르고 높은 내구성과 강도의 고성능 Hydroknit 천연펄프 소재***
∗ Low Lint, Absorbent ∗ Excellent Durability, Heavy-duty

〈B4〉

Cat. No		Pk.	Price,₩	Cs.	Price,₩
Y2.4235604	Scott® X80 Food Towel, Yellow, 300×345mm	50sheet	13,470	9pk	100,100

Say+® Disposable Brown Cleaning Wiper & Dispenser, Made of 100% Virgin Natural Pulp
With Special Embossing Texture, 4-Layer, Wiping Water · Oil · Grease · Almost Solvent, **갈색 일회용 종이와이퍼**



(1) Sheet-type

■ ***Made in Korea*** ■ ***재질 : 100% 천연펄프***
■ ***Made of 100% Virgin Natural Pulp***
■ ***Non-Fluorescence, Non-Toxic, Non-Bleached***
∗ Special Embossing for Excellent Absorption of Water and Oil
∗ Power of Absorption : 6 times More Water and 7 times More Oil than Cloth

※ **CS. 운임 별도** 〈B2〉

(1) Sheet-type

		Pk.	Price,₩	Cs.	Price,₩
K18.KJW50	Cleaning wiper, Sheet, S , 300×275mm, 50Sheets / Pk.	50sheet	2,670	24pk	59,170
K18.KJW200	, M, 280×430mm, 200Sheets / Pk.	200sheet	14,650	4pk	54,250
K18.KJW300	, L , 410×430mm, 300Sheets / Pk.			1pk	25,200

(2) Roll-type

		Cs.	Price,₩
K18.KWR250	Cleaning wiper, Roll, 350mm×250m, 250m / Roll	1roll	48,740
K18.KWR300	, 350mm×300m, 300m / Roll	1roll	54,250
K18.KWR400	, 400mm×400m, 400m / Roll	1roll	80,440
K18.KJWRD400	Dispenser, wiper Roll-type, Holder & Stand	1ea	63,420

Say+® Reusable Blue Non-woven Wiper & Dispenser, Polypropylene, Perfect for Wiping
Lubricant · Oil · Grease · Solvent, 1-Layer, Ideal for Semi-Cleanroom & Laboratory, **청색 부직포 와이퍼, 재사용 용**



(1) Sheet-type

■ ***Made in Korea*** ■ ***재질 : 멜트블로운 공정의 폴리프로필렌***
■ ***Made of Polypropylene by Melt Blown Process***
∗ High Strength even in Wet Condition allows Repeated Use
∗ Efficient for Quick Cleaning Large Amounts of Water · Oil · Ink · Solvent

※ **CS. 운임 별도** 〈B2〉

(1) Sheet-type

		Pk.	Price,₩	Cs.	Price,₩
K18.KJW500	PP Wiper, Sheets, 300×350mm, 50Sheets / Pk.	50sheet	6,770	10pk	62,590
K18.KJW1200	, 350×430mm, 200Sheets / Pk.			1pk	33,720

(2) Roll-type

		Cs.	Price,₩
K18.KJWB250	PP Wiper, Roll, 250mm×200m, 200m / Roll	2roll	90,960
K18.KJWB350	, 350mm×200m, 200m / Roll	2roll	136,350
K18.KJWRD400	Dispenser, wiper Roll-type, Holder & Stand	1ea	63,420

Say+® Reusable Hydroknit White Wiper, Pulp & Polypropylene, Cleaning Heavy-duty
Machine & Parts, Ideal for Solvent · Oil · Grease · Liquid, **백색 강력세정 와이퍼, 재사용 용**



(1) Sheet-type

■ ***Made in Korea*** ■ ***재질 : 100% 천연펄프 & 폴리프로필렌***
■ ***Made of Hydroknit Fabric, Containing 100% Natural Pulp & Polypropylene***
∗ Natural Material without Adhesive ; Suitable for Cleaning Hands and Face
∗ Tough and Soft like Cloth ∗ Economical Wiper ; High Strength even in Wet Condition allows Repeated Use
∗ Used in Cleaning, Maintenance and Repair of Instrument · Machine · Tools

※ **CS. 운임 별도** 〈B2〉

(1) Sheet-type

		Pk.	Price,₩
K18.KJW152	Hydroknit Wiper, Sheets, 320×430mm, 152Sheets/Pk.	152sheet	33,720

(2) Roll-type

		Cs.	Price,₩
K18.KJWR200	Hydroknit Wiper, Roll, 350mm×200m, 200m / Roll	1roll	67,260
K18.KJWR400	, 350mm×400m, 400m / Roll	1roll	134,350
K18.KJWRD400	Dispenser, wiper Roll-type, Holder & Stand	1ea	63,420

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Articles	Cat. No	Description


Parafilm M

Parafilm M® Laboratory Wrapping Film Self-Sealing, 4 inch, <USA-Made> 파라필름, 4인치

■ ***Made of Paraffin***
∗ Waterproof, moisture-proof film prevents sample evaporation, contamination
∗ Can be folded repeatedly and twisted around sharp surface without rupturing
∗ Partially returns to original length when tension is removes
∗ Quickly, Effectively Seals Labware
∗ Becomes more flexible and softer as temperature increases
∗ Water / Moisture Sealing, for Wrapping
∗ Rolls are interlined with paper to prevent adhering

〈L3〉

		Ea. Price,₩	Cs.	Price, ₩
PA.13374.10	Parafilm, w4″ (10cm)×L38m	27,850	12ea	318,190



ABS Parafilm M® Dispenser, 156×120×h156mm, for 2 & 4 Inch Roll
Ideal for Storing · Dispensing · Cutting, 파라필름 디스펜서

■ ***Supplied by DAIHAN Korea***
∗ Openable Top Lid Allows Easy Filling into the Dispenser
∗ Slide and Cut with No Danger to Finger

〈L1〉

		Cs.	Price, ₩
DH.Dis3001	Dispenser, Parafilm M®, 156×120×h156mm, for 2 & 4 Inch Roll	1ea	141,130



Cleanwrap® LLDPE Clean Wrap Film for Variable Usage, −50℃+80/90℃
With Q- & SF-Marked, Harmless, 100% Recyclable, 크린랩

■ ***Made in Korea*** ■ ***100% 재활용 가능한 LLDPE소재 사용*** ■ ***무독성 제조공법 특허***
∗ Keep Fresh, Safety & Sanitary Storage
∗ Can be Used in a Microwave Oven.

〈B4〉

		Ea. Price,₩	Cs.	Price, ₩
C10.001	Clean Wrap, w22cm×L50m	4,030	40ea	148,520
C10.002	, w30cm×L50m	5,500	30ea	152,490
C10.003	, w30cm×L100m	9,010	20ea	166,660



(1) 15㎛ Thick-type



(2) 16㎛ Thick-type



(3) 18㎛ Thick-type

Lotte® Disposable Utility Aluminum Foil, 다용도 일회용 알루미늄 호일

■ ***Made in Korea*** ■ ***포장 및 용기 뚜껑 용도로 사용시 습기를 막고 건조 방지***

〈B3〉

(1) 15㎛ Thickness-type

		Ea. Price,₩	Cs.	Price, ₩
L5.400	Foil, t15㎛, w25cm×L30m	6,330	30ea	184,140
L5.410	, w30cm×L30m	7,420	30ea	215,760
L5.420	, w33cm×L30m	7,960	30ea	231,410

(2) 16㎛ Thickness-type, Standard

		Ea. Price,₩	Cs.	Price, ₩
L5.430	Foil, t16㎛, w25cm×L30m	7,580	30ea	220,210
L5.440	, w30cm×L30m	8,740	30ea	253,960
L5.450	, w33cm×L30m	10,010	30ea	290,860
L5.460	, w30cm×L50m	12,730	30ea	370,080

(3) 18㎛ Thickness-type "Heavy-Duty"

		Ea. Price,₩	Cs.	Price, ₩
L5.470	Foil, t18㎛, w25cm×L30m	8,320	30ea	241,780
L5.480	, w30cm×L30m	9,960	30ea	289,700
L5.490	, w33cm×L30m	11,240	30ea	326,760
L5.500	, w30cm×L100m	32,540	10ea	315,560

(4) Special Ceramic-Coated type "High-Performance"

		Ea. Price,₩	Cs.	Price, ₩
L5.510	Foil, Ceramic-Coated, t16㎛×w25cm×L20m	8,430	20ea	163,390
L5.520	, t16㎛×w30cm×L20m	10,030	20ea	194,350

CERTIFICATES

☑ Quality ☑ Safety
☑ Environment Management

CE EMC & LVD Compliance
The Certified DAIHAN Laboratory Instruments are Specified in this Catalog

UL UL Certification
Laboratory-use Electrical Equipment for General-type Incubators & Oven, B.O.D Incubators, Vacuum Ovens, ULT Freezers

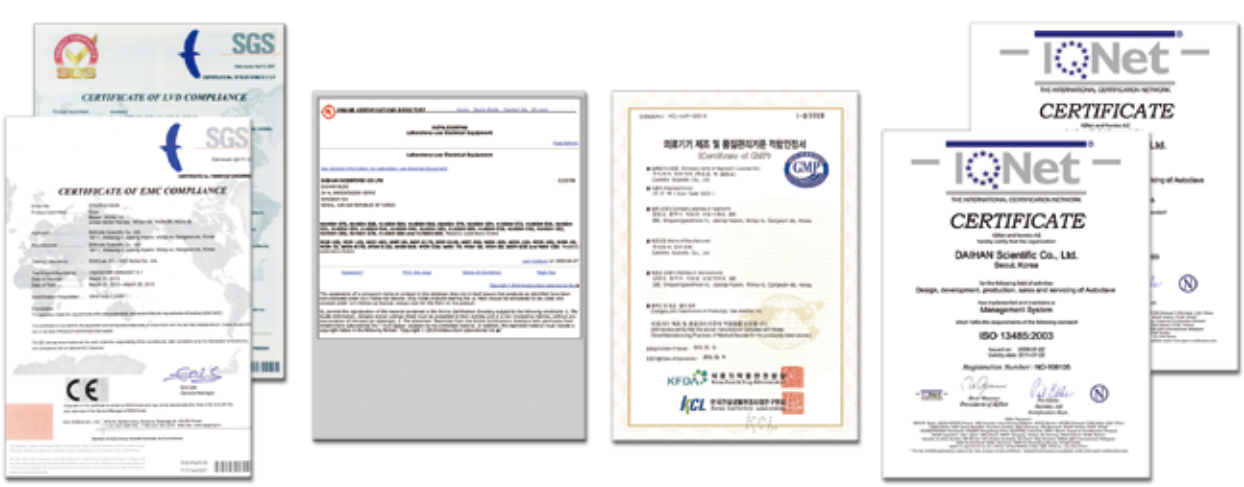
GD (Good Design) Mark

GMP GMP Certification
Good Manufacturing Practices of Medical Device

ISO 9001 System Certification
Design, Development, Manufacture & Servicing for All DAIHAN Laboraory Instruments

ISO 13485 System Certification
Design, Development, Manufacture & Servicing for All DAIHAN Laboraory Instruments

SQ (Service Qualification) Certification



Resin-Codes, Temperature and Chemical Resistance of Plastics

DIN-Abbreviation	Chemical Designation	Tolerated temperature Range in use From	to	Microwave use *	Autoclavable *
ABS	Acetl-Butadienstyrene Copolymer	-40℃	+85(100)℃	☺	☹
E-CTFE	Ethylene-Chlorifluoroethylene	-76℃	+150(170)℃	☺	☺
ETFE	Ethylene-Tetrafluoroethylene	-100℃	+150(180)℃	☺	☺
FEP	Tetrafluoroethylene-Perfluoropropylene	-200℃	+205℃	☺	☺
HDPE	High-density Polyethlylene	-50℃	+105(120)℃	☺	☹
LDPE	Low-density Polyethlylene	-50℃	+80(90)℃	☺	☹
MF	Melamine	-80℃	+120℃	☺	☹
PA	Polyamide(PA6)	-30℃	+90(140)℃		☹
PC	Polycarbonate	-100℃	+125(140)℃	☺	☺
PE	Polyethlyene(cf. HDPE/LDPE)				
PFA	Perfluoroalkoxy	-200℃	+260℃	☺	☺
PMMA	Polymethlymethacrylate	-40℃	+65-85(90)℃	☹	☹
PMP(TPX®)	Polymethylpentene	0℃	+150(180)℃	☺	☹
POM	Polyoxymethylene	-40℃	+90(110)℃	☹	☹
PP	Polypropylene	-10℃	+125(140)℃	☺	☺
PS	Polystyrene	-10℃	+70(80)℃	☹	☹
PTFE	Polytetrafluoroethylene	-200℃	+260℃	☺	☺
PVC	Polyvinylchloride	-20℃	+80℃	☹	☹
PVDF	Polyvinylidenfluoride	-40℃	+105(150)℃	☺	☺
SAN	Styrene-Acylonitrile	-20℃	+0(95)℃	☹	☹
SI	Silicone-Rubber	-50℃	+180(300)℃	☹	☺
NR	Nature-Rubber	-40℃	+80(104)℃	☹	☹
PDM	Ethylene Prophlene Diene Monomer	-40℃	+130(150)℃		☹
FKM	Fluorocarbon Rubber	-30℃	+205(230)℃		☺

* Please take cate of Temperature resistance !

Listing of Plastics and their Chemical Resistances to Substance Groups

	Plastic						PTFE			
				PMP			PFA	ECTFE		
Substane Group at 20℃	LDPE	HDPE	PP	TPX	PS	SAN	FEP	ETFE	PC	PA
Alcohols, aliphatic	A	A	A	A	A	A	A	A	B	C
Aldehydes	B	B	B	B	D	D	A	A	C	C
Bases	A	A	A	A	A	A	A	A	D	C
Esters	B	B	B	B	D	D	A	A	D	A
Hydrocarbons, aliphatic	C	B	B	C	D	D	A	A	C	A
Hydrocarbons, aromatic	C	B	C	C	D	D	A	A	D	A
Hydrocarbons, halogenated	D	C	C	D	D	D	A	A	D	B
Ketones	B	B	B	C	D	D	A	B	D	A
Oxidants,(oxidizing acids),storong	C	C	C	C	C	D	A	A	D	D
Acids dilute, weak	A	A	A	A	B	B	A	A	A	C
Acids conc., strong	A	A	A	A	B	C	A	B	D	D

A High Resistance

B Good resistance ; no, or only minor damage resulting from exposures of more than 30 days.

C Marginal resistance ; for some types of plastic, extended exposure can result in damage (hairline cracks, loss of mechanical strength, discoloration, etc...)

D Non-resustant : exposure can lead to deformation or destruction

Chemical Resistance Chart of Plastics

Chemicals at 20 or 50 ℃, resp.		C/MF	ETFE E-CTFE 50	PA 20	PC 20	PE 50	PMMA 50	POM 50	PP 50	PS 50	FEP PFA PTFE 50	PVC 20	SAN 50	PMP (TPX) 50
Acetaldehyde	CH3CHO		A	B	C	B-	D		B-	D	A	D	D	
Acetone	CH3COCH3	A	A	A1	D	A		B	B-	D	A	D	D	B-
Acetophenone	CH3COC6HS	A	A						B-	D	A		D	
Allyl alcohol	H2C=CH-CH2OH		A	B-	A	B-			A	C	A		D	
Aluminium chloride	AlCl3	A	B	A	A	B	A		A	A	A		A	A
Formic acid 85%	HCOOH	A	A	D	D	A	D	D	B	C	A	A	C	B
Ammonia 25% aq. soln.	NH3		A	D	D	A	C	A	A	B	A		B	A
Ammonia	NH3		A			A			A		A			
Ammonium chloride aq. soln.	NH4Cl		A		A	A	A		A	A	A		A	A
Amyl acetate(Pentyl acetate)	CH3COOC5-H11		A	B2		A			A	D	A		D	
Amyl alcohol	C5H11OH	A	A	A		A			A	B-	A	A	C	A
Aniline	C6H5NH2		A	B-1		B	D		B	D	A	D	D	A
Arsenic acid	H3AsO4		A		A	B			A	A	A			
Benzaldehyde	C6H5-CHO		A	B-2		B	C		B	D	A		D	A
Benzine		A	A	A	A	C		A	C	D	A	D	D	B-
Benzene	C6H6	A	A	B	D	D	D	B-	D	D	A	D	D	
Lead acetate	Pb(CH3-COO)2		A		A				D					
Lead acetate aq. soln.			A	B-	A				D	A	A		A	
Boric acid 10% aq. soln.	H3BO3		A	AB		A			A	B	A		A	A
Hydrobromic acid 69%	HBr		A	C		B			B	D	A			
Butyl acetate	CH3COOC4H9		A	A1		B-	D	B-	B-	D	A		D	B-
Calcium chloride aq. soln.	CaCl2		A	A9		A	A	A	A	A	A		A	A
Calcium hypochlorite aq. soln.	Ca(OCl)2			A	A	A	B-		A	B	A		A	A
Chlorine	Cl		A			D			D	D	A	D	D	D
Chlorobenzene	C6H5Cl		A	A2	D	C				D	A		D	
Chloroform	CHCl3	A	A	B-5	D	D	D		D	D	A		D	C
Chloruretted(chlorine-) water	(H2O, Cl2)		A	D		C	A		C	C	A	B-	B-	C
Chromic acid 20%	CrO3		A		A	D			C	B	A	A	B-	
Chromatosulphuric acid conc.	H2SO4-K2Cr2O7		A			D			D	C	A	B-	C	D
Decahydronaphthalene(Decaline)	C10H18													
(Perhydronaphthalene)			A	A1	A	D	B-		D	D	A		D	C
Diethyl ether	H5C2-O-C2H5		A			B	D		B	D	A		D	B-
Dibutyl phthalate	C6H4(COOC4H9)2		A	A		B-	B-	A	B	D	A		D	B-
1,4 Dioxane	C4H8O2		A	A	D	A			A		A			A
Glacial acetic acid	CH3COOH	B-	A	D	D	A		B	B	B-	A	A	C	B-
Ethyle acetate	CH3COOC2H5	A	B	A1	B-	B-	D		B-	D	A	D	D	B-
Ethyle alcohol(96%)	C2H5OH	A	A	A9	A	A	C		A	A	A	A	C	A
Ethylene chloride	CH2Cl-CH2Cl		A	A2	D	C	D		C	D	A		D	C
Ethylene glycol	HOH2C-CH2OH	A	A	A		A	A		A	A	A	A	A	A
Fluorine	F		C	A		D			D		A			
Fluorinated hydrocarbons			A			D			C	D	A		C	
Hydrofluoric acid 35%	HF	D	A	D	D	A	C		A	B	A		B-	A
Formaldehyde	HCHO		A	A10	A	A	A	A	A	B	A	A	C	A
Glycerole	CH2OH-CHOH-CH2OH	A	A	A1	A	A	A	A	A	A	A		A	A
Urea(carbamide and others)	H2N-CO-NH2	A	A	A		A			A	B	A		A	A
Hexane	CH3-(CH2)-4-CH3		A	A		B-	A	A	B-	C	A		A	B
Iodine(tincture of..)			A	D	A	B	D		B	B-	A		B-	A
Potassium chloride aq. soln.	KCl		A		A						A			
Potassium hydroxide	KOH	B	A	A		A	A		A	B-	A	A	B	A
Potassium permanganate aq. soln.	KMnO4		A	D	A	A	A	A	A	B-	A		B	A
Aqua regia	(HNO3, HCl)	D	A	D		C			C	C	A	C		B-
Cupric sulphate aq. soln.	CuSO4		A	A	A	A	A		A	A	A		A	
Magnesium chloride aq. soln.	MgCl2		A	A7	A		A		A	A	A		A	
Methyl alcohol(methanol)	CH3OH		A	A9	D	A	D		A	B	A		C	A
Methylene chloride	CH2Cl2		A	B-10	D	A				D	A		D	
Sodium carbonate	Na2CO3		A	A7		A	A	A	A	B	A	A	B	A
Sodium dichromate	Na2Cr2O7		A	A	A	A	A	B	A	A	A	A		A
Sodium hydroxide	NaOH	B-		A	D	A	B		A	B	A	A	B-	A
Oxalic acid, 10% aq. soln.	HOOC-COOH		A	B-8	A	A	A		A	A	A	A	A	A
Ozone<0.5 ppm(active oxygen)	O3													
Perchlorethylene	Cl2C=CCl2		A	D	A	B	A		B-	B	A		A	C
Phenol 100%	CH6H5OH		A	D	D	A	D	D	A	C	A	C	D	A
Phosphoric acid	H2PO4	D	A	D	A	B	D	B-	B	B	A	A	B	B
Phosphorus trichloride	PCl3				D	A								
Pyridine	C5H5N		A	A	D	B	D		B	D	A		D	B
Mercury	Hg		A	A	A	A	A		A	A	A	A	A	A
Mercurous + mercuric acid	Hg2Cl2 + HgCl2		A		A	A	A		A	B-	A		A	A
Nitric acid 50% conc.	HNO3	C	A	D	D	B-	C	D	C	B-	A	A	B-	A
Hydrochloric acid(hydrogen chloride)	HCl		A	D	A	A	A	D	A	B-	A		B-	A
Sulphuric acid 95%	H2SO4		A	D	D	B	D	D	B	C	A		D	A
Silver nitrate	AgNO3		A		A	A	A		A	B	D		B	
Carbon tetrachloride	CCl4	A	A	A1	D	C	D	B	B-	D	A	D	D	B-
Tetrahydrofuran	C4H8O	A	A	A2	D	B			C	D	A		D	D
Toluene	C6H5CH3		A	A1	D	B	D	A	C	D	A	C		B-
Trichloroethylene	C2H3Cl3	A	A	B-2	A	D	D	B-	C	D	A	D	D	B-
Tri-sodium phospate	Na3PO4		A	A		A			A		A			
Hydrogen peroxide 30%	H2O2	B-	A	B-	A	A	B-	C	A		A	A		
Xylene	C6H4(CH3)2		A		D	B	D	A	C	B-	A	D	D	B-
Zinc chloride 10% aq. soln.	ZnCl2		A	B-7	A	A	A		A	B-	A		A	A
Zinc sulphate 10% aq. soln.	ZnSO4		A		A	A			A	A	A		A	

A : resistant, **B** : virtually resistant, **B-** : resistant with exceptions, **C** : slightly resistant, **D** : non resistant

※ The Price(VAT is extra) for Korean End-user, and Changeable.

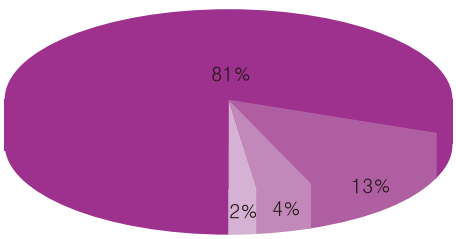
Properties of SCHOTT-DURAN® Borosilicate Glass, ISO/DIN

Strain Points ℃	525
Softening Point	820
Linear Coefficient of Expansion (0 ~ 300℃) × 10^{-6}	3.3
Density g/cm³	2.23
Hydrolytic Class (ISO / DIN)	1
Acid Class (ISO / DIN)	1
Alkali Class (ISO / DIN)	2

Chemical Composition of SCHOTT-DURAN® Glass

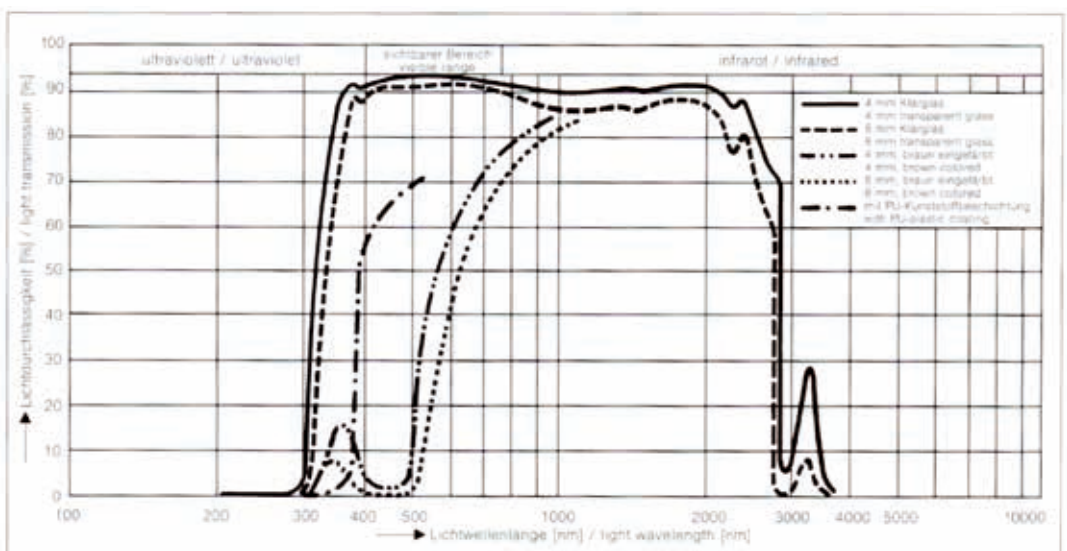
DURAN glass which is used in the laboratory and in industrial scale chemical plant, due to its excellent chemical and physical properties, has the following typical composition :

81% by weight SiO_2 13% by weight B_2O_3
4% by weight Na_2O/K_2O 2% by weight Al_2O_3



Optical Properties of SCHOTT-DURAN® Glass

Spectral range in which the absorption of DURAN is negligibly small : **approx. 310 to 2,200 nm absorptio of brown glass up to about 500 nm**
SCHOTT laboratory glasses do not show any significant absorption in the visible spectral range. Thus, DURAN appears transparent and colourless. Fairly large layer thicknesses (axial view through pipes) appear greenish. When working with light-sensitive substances, the surfaces can be coloured brown. The result is strong absorption in the short-wave region. In photochemical processes, light transmission of DURAN in the ultraviolet region is of particular importance. The degree of transmission in the UV region shows that photochemical reactions can be carried out, for example chlorinations and sulphochlorinations. The chlorine molecule absorbs in the range from 280 to 400 nm and thus serves as a carrier of the energy of radiation.



Transmission curves for DURAN

Important Notes for the user of SCHOTT-DURAN® Glass !

When working with glass, the limits of this material upon change in temperature and mechanical stress must be heeded and strict safety precautions must be observed :

* Never subject glassware to abrupt changes in temperature. Thus, do not remove it from the drying oven while hot and place it on a cold or, which is worse, a wet laboratory bench. This is true in particular of thickwalled glassware, such as suction flasks or desiccators.
* Provide apparatuses with a support via a suitable stand and set up free of stress. Use, for example PTFE corrugated bellows to compensate for stresses or vibrations.
* Glass apparatus (e.g. filtering flasks, desiccators, etc.) must be handled with care when under pressure or vacuum.
* To avoid setting up stresses in the glass, glass vessels under vacuum or pressure should not be heated from one side or with an open flame. The maximum permissible pressures quoted in the catalogue should not be exceeded.
* Before evacuating or pressurising glass vessels always check visually that they are not damaged in any way (heavy scratching or other mechanical damage). Damaged items should not be used under vacuum or pressure.
* Never subject glassware to abrupt changes in pressure, for example never aerate evacuated glassware abruptly. Flat-bottomed glassware(for example Erlenmeyer or flat-bottomed flasks) must not be subjected to pressure or vacuum.

The respective state-specific guidelines for the use of special glass in the laboratory must be heeded; for Germany, the guidelines for laboratory("Richtlinienfur Laboratorien"), published by the Hauptverband der gewerblichen Berufsgenossenschaften, Zentralstelle fur Unfallverhutung und Arbeitsmedzin, Langwartweg 103, D-53129 Bonn, Fachausschuß Chemie (Verlag Carl Heymanns KG, Gereonstrasse 18-32, D-50670 Koln) apply.

Typical Properties of WHEATON Glass, ASTM / USP

* Type 180 ~ 500 : Borosilicate Glass
* Type 800 ~ 900 : Soda-Lime Glass
* Type 320 / 500 / 900 : Amber Glass

	Glass Type							
	"180"	"200"	"300"	"320"	"400"	"500"	"800"	"900"
Strain Point ℃	510	505	520	510	520	505	510	496
Annealing Point ℃	560	560	565	560	560	540	548	536
Softening Point ℃	821	820	780	770	735	730	729	713
Linear Coefficient of Expansion.(0-300℃)×10^{-7}	33	33	51	55	63	62	88	91
Density g/cm^3	2.23	2.22	2.33	2.42	2.44	2.46	2.48	2.50
ASTM glass Type	I	I	I	–	–	–	–	–
& Class	A	A	B	–	–	–	–	–
USP glass Type	I	I	I	I	I	I	III, NP	III, NP
Light Protection				yes		yes		yes

NP=Non-parenteral. USP=U.S. Pharmacopeia.

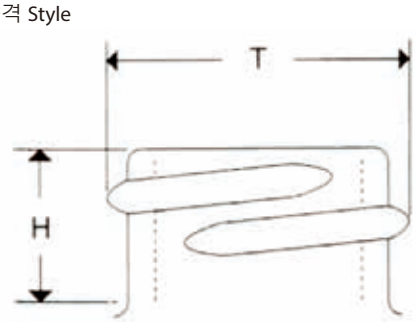
Chemical Properties of WHEATON Glass, ASTM / USP

	"180"	"200"	"300"	"320"	"400"	"500"	"800"	"900"
Forming Process	Tubing Vial	Tubing Vial	Tubing Vial	Tubing Vial	Molded Container	Molded Container	Molded Container	Molded Container
SiO2	81	81	73	70	69	65.5	73	73
Al2O3	2	2	6	6	5.5	6	2	2
Na2O+K2O	4	4	9	8	10	9	14	14.2
CaO+MgO	<0.2	<0.2	1	0.5	1.5	0.5	10.5	10
B2O3	13	13	11	7	11	9		0.5
Fe2O3	<0.1	<0.1	<0.1	1.5	<0.1	1	<0.05	0.3
BaO				2	2.5	1.5		
ZnO					0.5	0.5		
MnO2						7		
TiO2			5					
SO3							0.2	

Screw Thread Finishes of US-GPI

US-GPI : American Glass Packaging Institute

<Example>
15-425 Screw Thread :
"T" Mouth O.D. 15 mm
"H" Mouth Height 7.5 mm와
Screw thread의 규격 Style



Thread Finish Dimensions

"T" Dimensions	"H" Dimension in Millimeters				
	400	410	415	425	430
8	–	–	–	6.52	–
10	–	–	–	6.86	–
13	–	–	11.22	7.5	–
15	–	–	13.9	7.5	–
18	9.05	13.03	15.42	–	15.34
20	9.5	13.82	18.59	–	15.34
22	9.5	14.6	21.01	–	15.34
24	10.25	16.15	24.05	–	16.43
28	10.25	17.73	27.23	–	18.39
33	9.85	–	–	–	19.69
38	9.85	–	–	–	24.03

※ The Price(VAT is extra) for Korean End-user, and Changeable.

Fluorinated Rubber(Fluoroelastomer), DIN FPM

1. Chemical Term : Fluoroelastomer, Fluorinated rubber, Fluorocarbon
2. Abbreviation : FKM(ASTM D1418), FPM(ISO/DIN 1629) - Rubber and Nomenclature
3. Trade Names : Viton(Dupon-Dow elastomer), Fluorel(3M Dyneon), Technoflon(Ausimont), Dai-el(Daikin)

VITON(FPM) Grade Comparison

	General Grades			Specialty Grades						
	A	**B**	**F/GF**	**GB**	**GFLT**	**GLT**	**-30(Solvay)**	**-35(Solvay)**	**-40(Solvay)**	**ETP**
Nominal Polymer Fluorine Content, wt	66	68	70	66	67	64	67	65	65	67
Percent Volume Change in Fuel C 168 hr @ 23°C (73°F)	4	3	2	5	2	5	9	7	9	4
Percent Volume Change in E85 168 hr @ 40°C (104°F)	10	8	6	10	16	10	13	11	9	12
Percent Volume Change in KOH 168 hr @ 70°C (158°F)	90	40	5	66	5	90	4	26	9	5
Percent Volume Change in KOH 168 hr @ 70°C (158°F)					Samples Degraded					14
Low Temperature Flexibility TR-10, °C	-17	-13	-5	-16	-24	-31	-30	-35	-40	-10
Relative Cost	1	1.5	1.5	3	4	4	4	5	8.5	20
Precix Material Code *	F75, F40	F95	F68, F86	F51	F78, F77	F79, F05	F119	F122	F103	F65

Key to grades :
GF = Good for fuel / GB = Also good for fuel / GFLT = Good fuel, low temp / GLT = Good low temp / ETP = Viton Extreme (bridge between FKM and FFKM)
* Code are examples - other options exist
Viton, GF, GB, GFLT, GLT and ETP are registered trademarks of DuPont Dow elastomer.

Physical Property Differences Among Types/Families of Viton Products

Type of Viton Fluoroelastomer	Resistance to Compression Set	General Fluids/Chemical Resistance	Low Temperature Flexibility
A	1	3	3
B, GBL-S	2	3	3
F, GF-S	3	2	3
GLT-S	2	3	1
GFLT-S	2	2	2
ETP-S	3	1	3

1=Excellent-Best performance capability of all types; 2=Very Good; 3=Good-Sufficient for all typical fluoroelastomer applications

Relative chemical compatibility and mechanical Properties for Viton fluoroelastomers

	Viton General use Types			Viton General use Types				
Chemical environment	**A**	**B**	**F**	**GBL-S**	**GF-S**	**GLT-S**	**GFLT-S**	**ETP-S**
Automotive and aviation fuels	1	1	1	1	1	1	1	1
"Automotive fuels oxygenated with MEOH, ETOH, MTBE, etc."	1	1	1	1	1	1	1	1
Engine lubricating oil, SE and SF	4	4	4	2	2	2	2	1
Engine lubricating oil, SG and SH	3	2	2	1	1	1	1	1
"Aliphatic hydrocarbon process uids, chemicals"	2	2	1	1	1	2	1	1
"Aromatic hydrocarbon process uids, chemicals"	3	2	2	1	1	2	1	1
"Aqueous uids, steam, mineral acids"	2	1	1	1	1	1	1	1
"Strong base, high pH, caustic, aminos"	4	2	1	2	1	4	1	1
"Low molecular weight carbonyls 100% concentration(MTBB, MBK, MIBK, etc.)"	4	4	4	4	4	4	4	1
"Compression set and low-temperature performance"								
Resistance to compression set	1	2	2	2	2	2	2	2
Low-temperature exibility	2	2	3	2	3	1	1	2

1=Excellent-Best performance capability of all types; 2=Very Good; 3=Good-Sufficient for all typical fluoroelastomer applications

GUIDE FOR SELECTING A CAP LINER



Usually the smallest component part of the package and usually overlooked, is the selection of the Cap Liner. The linur must not alter or be altered by the product. It must withstand repeated applications and removals against the container surface while maintaining the integrity of the sealing surface. Below is some information that may help in choosing the right liner from out produnct offering:

Meterial	Description	Applications
Poly Vinyl	One Mill poly vinyl film bonded to one Mil HDPE ina #30 white pulp paper backing. Superior to plain pulp paper because it provides excellent moisture barrier.	General purpose: Suitable for wide range of applications. Chemical resistance: Good for mild acids, alkalis, solvent, alcohols, oils and aqueous products; poor for acitve hydrocarbons and bleaches.
Teflon®-Faced Foamed Polyethylene	Teflon®-faced foamed polyethylene liner that offers the excellent chemical resistance of Teflon® with the compressibility and sealing properties of polyethlyene foam.	Typical applications: analytical lab samples, high purity chemicals, strong acid, solvent. Excellent for environmental samples, pharmaceuticals and diagnostic reagents.
Poly-Seal	Manufactured from LDPE. The unique cone design provides a wedge type seal that not only seals across the top but also across the inside diameter.	Unique problem solving type of liner. This liner is stress crack resistant and offers superior torque retention and excellent sealing characteristics. It is recommended that this liner be tested prior to use for leak seal.
Foamed Polyethylene (F217® & Sure-Seal®)	A one piece, three ply coextruded liner consisting of foamed and solid LDPE. The foam core is sandwiched with solid clear PE.	General Purpose: Broad applications base. Chemical resistance-good for acid, alkalis, solvents, alcohols, oils, household cosmetics and aqueous products. Poor for hydrocarbon solvents. Liner provides tighy seal.
Pulp / Metal Foil	Aluminum foil bonded to .036" pulp board.	Good barrier properties, good resistance to hydrocarbons, oils, ketones and alcohols. Not good for acids or alkalis.
Styrene Butadiene Rubber (14B)	The white rubber lining material consist of homogeneous sulfur cured styrene-butadiene rubber(SBR). FDA Status complies with 21CFR 177.26, "Rubber articles intended for repeated use."	Excellent properties of resilience, resistant to moisture vapor. Chemical barrier. Autocalvable.
Styrene-Butadiene Rubber / 0.005 PTFE	The white rubber/0.005 PTFE liner consists of virgin PTFE bonded to the white sulfur cured, styrene-butadiene rubber. Complies with the FDA 21CFR, all appropriate sections.	Designed for the ulimate in product safety. Autocalvable PTFE provides totally inert seal and surface facing the sample or product.

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UNITS OF MEASURE CONVERSION FACTORS

Percent	Parts per Million	Parts per Billion	Parts per Trillion
.001%=	10 ppm	-	-
.0001%=	1 ppm=	1,000 ppb=	1.000,000 ppt
.00001%=	.1 ppm=	100 ppb=	100,000 ppt
.000001%=	.01 ppm=	10 ppb=	10,000 ppt
-	.001 ppm=	1 ppb=	1,000 ppt
-	.0001 ppm=	.1 ppb=	100 ppt
-	-	.01 ppb=	10 ppt
-	-	.001 ppb=	1 ppt

Percent	Parts per Million	Parts per Billion	
centi	10^{-2}	1/100	(part per hundred)
milli	10^{-3}	1/1,000	(part per thousand)
micro	10^{-6}	1/1,000,000	(ppm, part per million)
nano	10^{-9}	1/1,000,000,000	(ppb, part per billion)
pico	10^{-12}	1/1,000,000,000,000	(ppt, part per trillion)
femto	10^{-15}	1/1,000,000,000,000,000	(ppq, part per quadrillion)
atto	10^{-18}	1/1,000,000,000,000,000,000	(part per quintillion)

PARTICLE SIZE

Sieve "Mesh"	Sieve Opening			Sieve "Mesh"	Sieve Opening			Sieve "Mesh"	Sieve Opening		
	in	mm	µm		in	mm	µm		in	mm	µm
1	1.00	25.4	25400	7	0.111	2.82	9.4	70	0.0083	0.211	210.82
7/8	0.875	22.6	22225	8	0.0937	2.38	2379.98	80	0.0070	0.178	177.8
3/4	0.750	19.0	19050	10	0.0787	2.00	1998.98	100	0.0059	0.150	149.86
5/8	0.625	15.9	15875	12	0.0661	1.68	1678.94	120	0.0049	0.125	124.46
.530	0.530	13.5	13462	14	0.0555	1.41	1409.7	140	0.0041	0.104	104.14
1/2	0.500	12.7	12700	16	0.0469	1.19	1191.26	170	0.0035	0.089	88.9
7/16	0.438	11.1	11125.2	18	0.0394	1.00	1000.76	200	0.0029	0.074	73.66
3/8	0.375	9.53	9525	20	0.0331	0.841	840.74	230	0.0025	0.064	63.5
5/16	0.312	7.92	7924.8	25	0.0278	0.706	706.12	270	0.0021	0.053	53.34
.265	0.265	6.73	6731	30	0.0234	0.594	594.36	325	0.0017	0.043	43.18
1/4	0.250	6.35	6350	35	0.0197	0.500	500.38	400	0.0015	0.038	38.1
3 1/2	0.223	5.66	5664.2	40	0.0165	0.420	419.1	625	0.0008	0.020	20.32
4	0.187	4.75	4749.8	45	0.0139	0.353	353.06	1250	0.0004	0.010	10.16
5	0.157	3.99	3987.8	50	0.0117	0.297	297.18	2500	0.0002	0.005	5.08
6	0.132	3.35	3352.8	60	0.0098	0.249	248.92				

TEMPERATURE CONVERSION FORMULAS

℃ to °F	°F to ℃
(℃ x 9/5) + 32 = °F	(°F-32) x 5/9 = ℃

WEIGHT CONVERSION TABLE

From/To	g	kg	ton	grain	oz(온스)	lb	돈	근	관
g	1	0.001	0.000001	15.432	0.03527	0.0022	0.26666	0.00166	0.000266
kg	1000	1	0.001	15432	33.273	2.20459	266.666	1.6666	0.26666
ton	1000000	1000	1	-	35273	2204.59	266666	1666.6	266.666
grain	0.06479	0.00006	-	1	0.00228	0.00014	0.01728	0.00108	0.000017
oz	28.3495	0.02835	0.000028	437.4	1	0.06525	7.56	0.0473	0.00756
lb	453.592	0.45359	0.00045	7000	16	1	120.96	0.756	0.12096
돈	3.75	0.00375	0.000004	57.872	0.1323	0.00827	1	0.00625	0.001
근	600	0.6	0.0006	9259.556	21.1647	1.32279	160	1	0.16
관	3750	3.75	0.00375	57872	132.28	8.2672	1000	6.25	1

VOLUME CONVERSION TABLE

From/To	홉	되	말	cm^3	m^3	l	in^3	ft^3	yd^3	gal(美)
홉	1	0.1	0.01	180.39	0.00018	0.18039	11.0041	0.0066	0.00023	0.04765
되	10	1	0.1	1803.9	0.0018	1.8039	110.041	0.0637	0.00234	0.47656
말	100	10	1	18039	0.01803	18.039	1100.41	0.63707	0.02359	4.76567
cm^3	0.00554	0.00055	0.00005	1	0.000001	0.001	0.06102	0.00003	0.00001	0.00026
m^3	5543.52	554.325	55.4352	1000000	1	1000	61027	35.3165	1.3082	264.186
l	5.54352	0.55435	0.05543	1000	0.001	1	61.027	0.03531	0.0013	0.26418
In^3	0.09083	0.00908	0.0091	16.387	0.000016	0.01638	1	0.00057	0.00002	0.00432
ft^3	156.966	15.6666	1.56966	28316.8	0.02831	28.3169	1728	1	0.03703	7.48051
yd^3	4238.09	423.809	42.3809	764511	0.76451	764.511	46656	27	1	201.974
Gal(美)	20.9833	2.0983	0.20983	3785.43	0.00378	3.78543	231	0.16368	0.00495	1

LENGTH CONVERSION TABLE

From/To	cm	m	in	ft	yd	mile	척(尺)	간(間)	정(町)	리(里)
cm	1	0.01	0.3937	0.0328	0.0109	-	0.033	0.0055	0.00009	-
m	100	1	39.37	3.2808	1.0936	0.0006	3.3	0.55	0.00917	0.0025
In	2.54	0.0254	1	0.0833	0.0278	-	0.0838	0.014	0.0002	-
ft	30.48	0.3048	12	1	0.3333	0.00019	1.0058	0.1676	0.0028	-
yd	91.438	0.9144	36	3	1	0.0006	3.0175	0.5029	0.0083	0.0002
mile	160930	1609.3	63360	5280	1760	1	5310.8	885.12	14.752	0.4098
척	30.303	0.303	11.93	0.9942	0.3314	0.0002	1	0.1667	0.0028	0.00008
간	181.818	1.818	71.582	5.965	1.9884	0.0011	6	1	0.0167	0.0005
정	10909	109.091	4294.9	357.91	119.304	0.0678	360	60	1	0.0278
리	392727	3927.27	154619	12885	4295	2.4403	12960	2160	36	1

FLOW RATE CONVERSION TABLE

From/To	ltrs/sec	ltrs/hr	m^3/sec	m^3/hr	yft^3/md	ft^3/hr	UK gall/m	UK gall/hr	UK gall/m	UK gall/hr
Ltrs/sec	1	3600	0.001	3.6	2.118882	127.133	13.19814	791.8884	15.85032	951.019
Ltrs/hr	0.000278	1	-	0.001	0.00588	0.035315	0.003666	0.219969	0.004403	0.264172
m^3/sec	1000	3600000	1	3600	2118.88	127133	13198.1	791889	1585	0.3951019
m^3/hr	0.277778	1000	0.000278	1	0.588578	35.3147	3.66615	219.969	4.402863	264.1718
ft^3/m	0.471947	1699.017	0.000472	1.699017	1	60	6.228833	373.73	7.480517	448.831
ft^3/m	0.007866	28.3168	-	0.028317	0.016667	1	0.103814	6.228833	0.124675	7.480517
UK gall/m	0.075768	272.766	0.0000758	0.0272766	0.160544	9.63262	1	60	1.20095	72.057
UK gall/hr	0.001263	4.54609	-	0.004546	0.002676	0.160544	0.016667	1	0.020016	1.20095
US gall/m	0.06309	277.125	0.0000758	0.227125	0.133681	8.02892	0.832674	49.96045	1	60
US gall/hr	0.001052	3.785411	-	0.003785	0.002228	0.133681	0.013878	0.832674	0.016667	1

AREA CONVERSION TABLE

From/To	평방자	평	단보	정보	m^2	a(아르)	ft^2	yd^2	acre
평방자	1	0.02778	0.00009	0.000009	0.09182	0.00091	0.98841	0.10982	-
평	36	1	0.00333	0.00033	3.3058	0.03305	35.583	3.9537	0.00081
단보	10800	300	1	0.1	991.74	9.9174	10674.9	1186.1	0.24506
정보	108000	3000	10	1	9917.4	99.174	106794	11861	2.4506
m^2	10.89	0.3025	0.001008	0.0001	1	0.01	10.764	1.1958	0.00024
a	1089	30.25	0.10083	0.01008	100	1	1076.4	119.58	0.02471
ft^2	1.0117	0.0281	0.00009	0.000009	0.092903	0.000929	1	0.1111	0.000022
yd^2	9.1055	0.25293	0.00084	0.00008	0.83613	0.00836	9	1	0.000207
acre	44071.2	1224.2	4.0806	0.40806	4046.8	40.468	43560	4840	1

※ The Price(VAT is extra) for Korean End-user, and Changeable.

PRESSURE CONVERSION TABLE

From/To	atm	mmHg	bar	pascal	inH_2O	inHg	psi	kg/cm^2
atm	1	760	1.0132	101325	406.781	29.9213	14.6959	1.033
mmHg	0.0013158	1	0.001333	133.322	0.53524	0.03937	0.019337	0.00136
bar	0.9869	750.062	1	100000	401.463	29.53	14.504	1.01957
pascal	0.0000099	0.007501	0.00001	1	0.004015	0.000295	0.000145	0.00001
inH_2O	0.0024583	1.86832	0.002491	249.089	1	0.073556	0.036127	0.00254
inHg	0.033421	25.4	0.033864	3386.391	3.5951	1	0.491154	0.003452
psi	0.068046	51.7149	0.068948	6894.76	27.6799	2.03602	1	0.07029
kg/cm^2	0.968	7835.72	0.9808	98088	393.786	28.965	14.226	1

POWER CONVERSION TABLE

From/To	Btu/h	w	kcal/h	kw
Btu/h	1	0.293017	0.251996	0.000293
w	3.41214	1	0.859845	0.001
kcal/h	3.96832	1.163	1	0.001163
kw	3462.14	1000	589.845	1

ENERGY CONVERSION TABLE

From/To	Btu	Therm	J	KJ	cal
Btu	1	0.00001	1055.06	1.055	251.996
Therm	100000	1	-	105.5	25199.60
J	0.00094	-	1	0.001	0.2388
KJ	0.9478	9.478×10^{-6}	1000	1	238.85
cal	0.0039683	3.9683×10^{-8}	4.1868	-	1

DENSITY CONVERSION TABLE

From/To	g/cm^3 (s.q)	kg/m^3 (g/l)	lb/m^3	lb/ft^3	lb/gal
g/cm^3	1	1000	0.036124	62.422	8.34516
kg/m^3	0.001	1	0.000036	0.062422	0.008345
Lb/m^3	27.6826	27682.6	1	1728	231.015
Lb/ft^3	0.01602	16.02	0.000579	1	0.13369
Lb/gal	0.11983	119.83	0.004329	7.48003	1

VISCOSITY CONVERSION TABLE

From/To	cP (centipoise)	P(g/ cm.s) (Poise)	Pa. S	$kgf.s/m^2$	$lbf.s/in^2$
cP	1	0.01	0.001	0.0001	1.45×10^{-7}
P	100	1	0.1	0.0102	1.45×10^{-5}
Pa.S	1000	10	1	0.10197	1.45×10^{-4}
$kgf.s/m^2$	9806.65	98.0665	9.80665	1	0.00142
$lbf.s/in^2$	6.9×10^6	6.9×10^4	6.9×10^3	7.03×10^2	1

1P= 1dyn·s/cm^2= 1g/cm·s, 1Pa·s= 1N·s/m^2, 1cP= 1mPa·s, 1lbf·s/in^2= 1Reyn= 6.9×10^6cP

NUMERICAL PREFIXES

Numeral	Prefixa	Numeral	Prefixa	Numeral	Prefixa
1/2	hemi-	13	trideca-	28	octacosa-
1	mono-	14	tetradeca	29	nonacosa-
1~1/2	sesqui-	15	pentadeca-	30	triaconta-
2	di-,bi-	16	hexadeca-	40	tetraconta-
2~1/2	hemipenta-	17	heptadeca-	50	pentaconta-
3	tri-	18	octadeca-	60	hexaconta-
4	tetra-	19	nonadeca-	70	heptaconta-
5	penta-	20	eicosa-	80	octaconta-
6	hexa-	21	heneicosa-	90	nonaconta-
7	hepta-	22	docosa-	100	hecta-
8	octa-	23	tricosa-	101	henhecta-
9	ennea-,nona-	24	tetracosa-	102	dohecta-
10	deca-	25	pentacosa-	110	decahecta-
11	hendeca-,undeca-	26	hexacosa-	120	eicosahecta-
12	dodeca-	27	heptacosa-	200	dicta-

DAIHAN SCIENTIFIC GROUP
Your Neighborhood Friend

/ PERIODIC CHART OF THE ELEMENTS

1 (1A)												13 (3A)	14 (4A)	15 (5A)	16 (6A)	17 (7A)	18 (8A)	N
H Hydrogen 1.008 1	2 (2A)																He Helium 4.003 2	1
Li Lithium 6.941 3	Be Beryllium 9.012 4											B Boron 10.811 5	C Carbon 12.011 6	N Nitrogen 14.007 7	O Oxygen 15.999 8	F Fluorine 18.998 9	Ne Neon 20.180 10	2
Na Sodium 22.990 11	Mg Magnesium 24.305 12	3 (3B)	4(4B)	5 (5B)	6 (6B)	7 (7B)	8 (8B)	9 (8B)	10 (8B)	11 (1B)	12 (2B)	Al Aluminum 26.982 13	Si Silicon 28.086 14	P Phosphorus 30.974 15	S Sulfur 32.066 16	Cl Chlorine 35.453 17	Ar Argon 39.948 18	3
K Potassium 39.098 19	Ca Calcium 40.078 20	Sc Scandium 44.956 21	Ti Titanium 47.867 22	V Vanadium 50.942 23	Cr Chromium 51.996 24	Mn Manganese 54.938 25	Fe Iron 55.845 26	Co Cobalt 58.933 27	Ni Nickel 58.693 28	Cu Copper 63.546 29	Zn Zinc 65.38 30	Ga Gallium 69.723 31	Ge Germanium 72.631 32	As Arsenic 74.922 33	Se Selenium 78.972 34	Br Bromine 79.904 35	Kr Krypton 83.798 36	4
Rb Rubidium 85.468 37	Sr Strontium 87.62 38	Y Yttrium 88.906 39	Zr Zirconium 91.224 40	Nb Niobium 92.906 41	Mo Molybdenum 95.95 42	Tc Technetium 98.907 43	Ru Ruthenium 101.07 44	Rh Rhodium 102.906 45	Pd Palladium 106.42 46	Ag Silver 107.868 47	Cd Cadmium 112.411 48	In Indium 114.818 49	Sn Tin 118.711 50	Sb Antimony 121.760 51	Te Tellurium 127.6 52	I Iodine 126.904 53	Xe Xenon 131.294 54	5
Cs Cesium 132.905 55	Ba Barium 137.328 56	57-71 ▼	Hf Hafnium 178.49 72	Ta Tantalum 180.948 73	W Tungsten 183.84 74	Re Rhenium 186.207 75	Os Osmium 190.23 76	Ir Iridium 192.217 77	Pt Platinum 195.085 78	Au Gold 196.967 79	Hg Mercury 200.592 80	Tl Thallium 204.383 81	Pb Lead 207.2 82	Bi Bismuth 208.980 83	Po Polonium 208.982 84	At Astatine 209.987 85	Rn Radon 222.018 86	6
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