



LABORATORY & INDUSTRIAL SELECTION

 **AS ONE**
**LABORATORY & INDUSTRIAL
SELECTION**



 **AS ONE CORPORATION**

Company Overview

Headquarters location:	2-1-27 Edobori, Nishi-ku, Osaka 550-8527
Established:	June 1, 1962
Capital:	5,075 million yen (end of March 2022)
President:	Takuji Iuchi
Number of employees (consolidated):	648 (as of the end of March 2022)
Net sales (consolidated):	86,954 million yen (FYE 03/2022)
Business:	Sales of research equipment, nursing and elderly care products, and other scientific instruments
Website:	http://www.as-1.co.jp
Affiliates:	AS ONE SHANGHAI CORPORATION (Business description: Sales of scientific instruments for research) Nikko Hansen & Co., Ltd. (Business: Manufacturing and sales of plastic containers) Iuchi Logistics Co., Ltd. (Business: Warehouse management and cargo handling) AS ONE INTERNATIONAL INC. (USA) (Business: North American product exports) Tryumph21 Co., Ltd. (Business: Online purchasing services)



Headquarters



AS ONE
TV commercial



Like a lighthouse,
guides researchers.



EC x logistics
(To the future)



EC x logistics
(AGL)

Overseas Bases

China

- AS ONE SHANGHAI CORPORATION
- Shenyang Branch
- Beijing Branch
- Beijing Logistics Center
- Shanghai Logistics Center
- Guangzhou Branch
- Suzhou Branch



AS ONE SHANGHAI CORPORATION

North America

- AS ONE INTERNATIONAL INC.



AS ONE INTERNATIONAL INC.

Domestic Bases

- Sapporo Sales Office
- Sendai Sales Office
- Tonomachi Solution Research Laboratory
- Shizuoka Sales Office
- Kyoto Sales Office
- Wakayama CO
- Takamatsu Sales Office
- Hiroshima Sales Office
- Fukuoka Sales Office
- Okinawa Sales Office
- Tryumph21 Co., Ltd.
- Nikko Hansen & Co., Ltd.

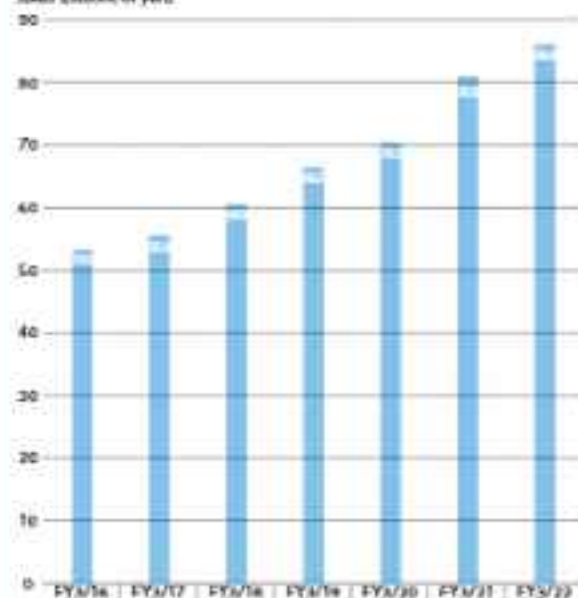


Sales Scheme

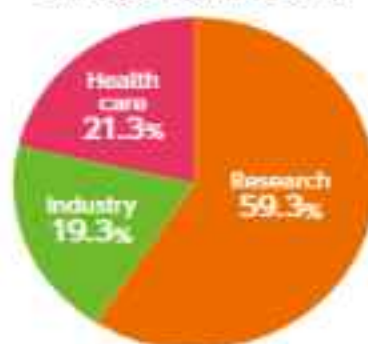


Sales Transition

Sales (Billion of yen)



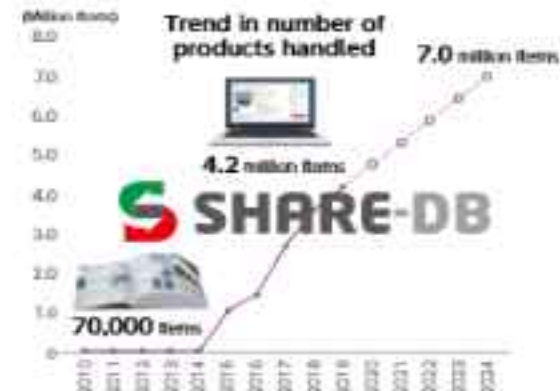
Share of Sales (FY3/2022)



AS ONE's Original Products and National Brand (NB) Products

AS ONE's website listed 6.3 million stock-keeping units (SKUs) as of March 2022, and it plans to list 10 million SKUs by 2025. AS ONE deals in products from over 3,500 suppliers.

AS ONE has a large selection of products for the scientific, industrial, and medical markets, and 30% of AS ONE's sales are from its brand products.



AS ONE deals in products from over 3,500 suppliers.



Though it is not a manufacturer, we sell many original products.



Major Brands

For the future of science
Yamato Scientific

TRUSCO

NITTO
KINZOKU KOGYO

PACKTEST

NIHON FREEZER CO., LTD.

VIBRA
Measure the Future

ENGINEER

Arborel Power

CRECIA
PROFESSIONAL

NIKKO

Our Group company

<https://www.axel-gl.com/en/asone/maker/MH00144/>



NIKKO is a comprehensive manufacturer of plastic products, including plastic instruments for physical and chemical laboratories, food containers, industrial containers, and toiletry containers.



Recommend products

PP Vials

Common sample containers



J Bottle (Square)

Square container for easy storage



J Bottle (Round)

Round stopper to not spill, and contents will not leak.



Standard Bottle (Wide Mouth)

Long-necking standard bottle with an inner stopper

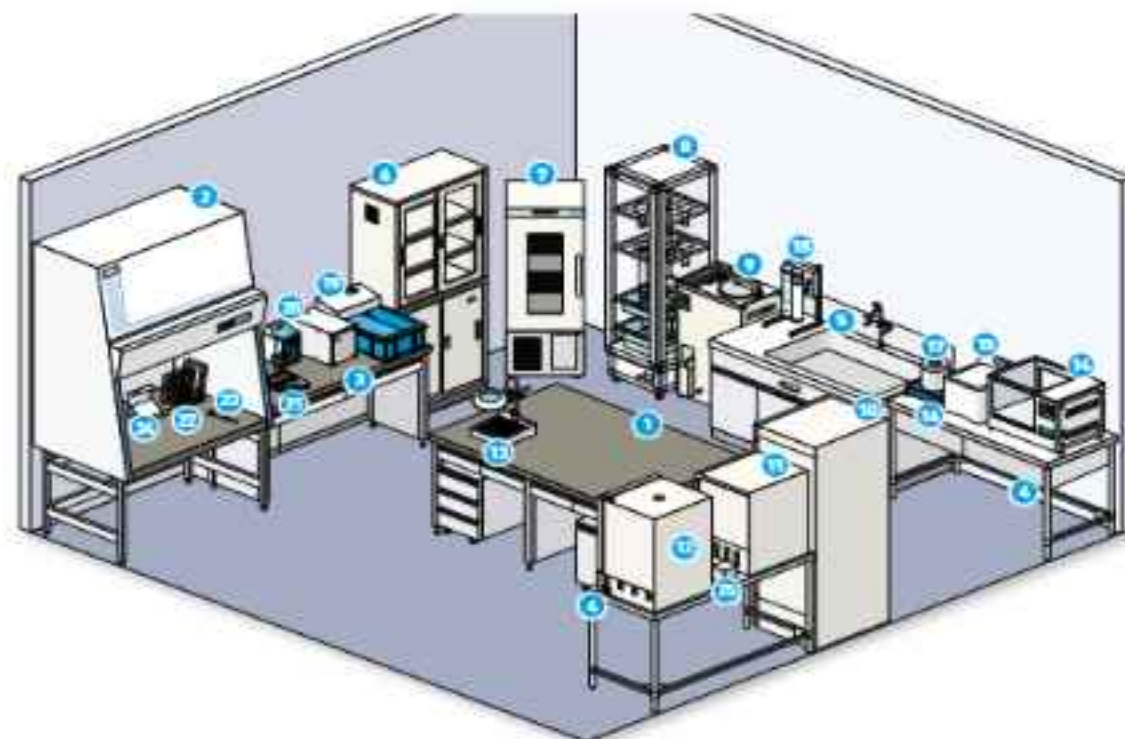


Standard bottle (Narrow Mouth)

Long-necking standard bottle with an inner stopper



Example of Food Inspection Room Layout

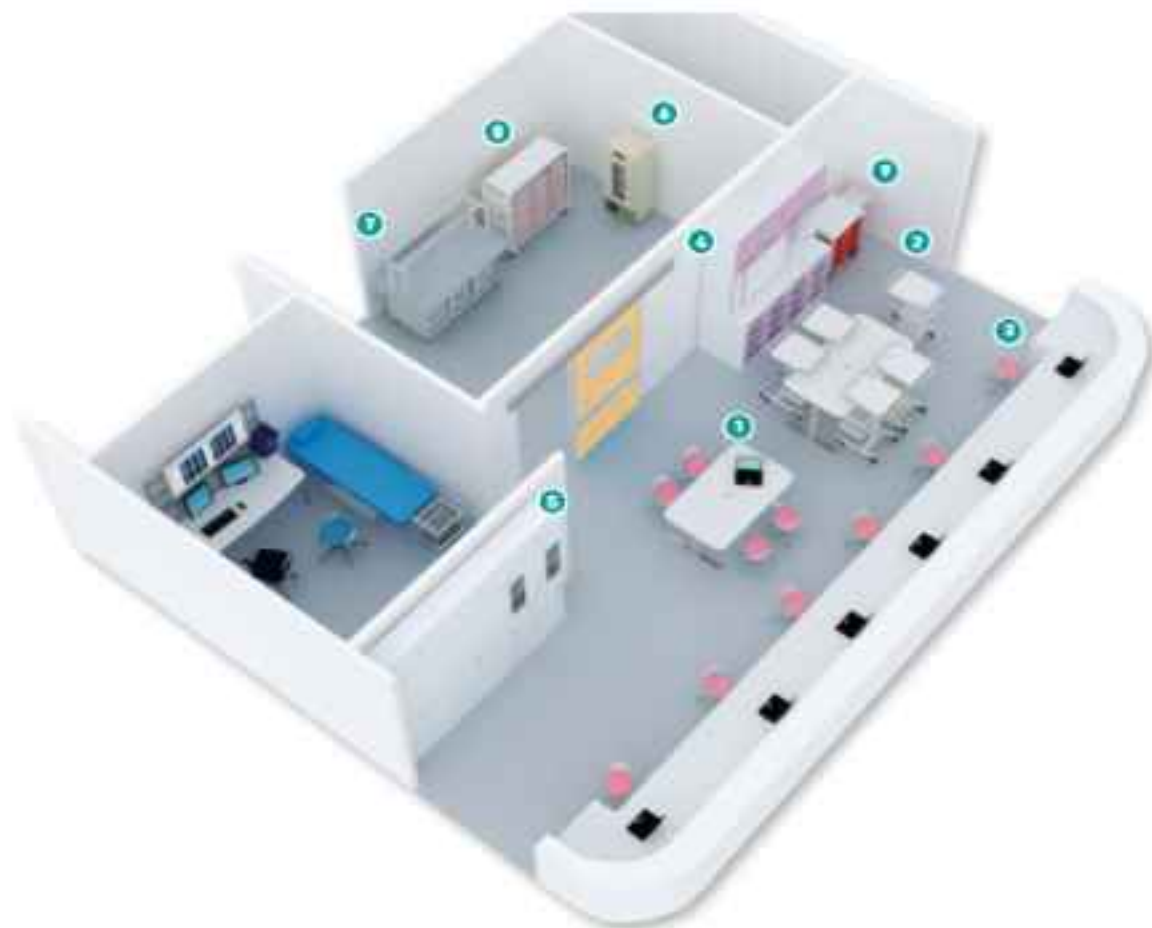


No.	Order No.	Product Name
1	3-7854-01	Central Laboratory Bench
2	3-3390-03	Biohazard Safety Cabinet
3	3-4316-14	Side Laboratory Bench
4	1-4559-30	Stainless Steel Workbench
5	3-1287-13	SUS Sink
6	3-035-17	Chemical storage cabinet (Glass Door)
7	3-035-18	Chemical storage cabinet (Steel Door)
8	3-035-13	Base Unit
9	1-7927-21	Refrigerator
10	3-5031-11	Drying cabinet
11	2-803-01	Autoclave
12	1-5461-03	Low Temp. Incubator 250L
13	1-5461-01	Low Temp. Incubator 50L
14	2-4393-41	Dry Heat Sterilization oven
15	2-5086-15	Colony counter

No.	Order No.	Product Name
16	2-2671-01-80	Water Bath
17	2-2671-11	Lid for water bath
18	1-2160-04	Ultrasonic Cleaner
19	1-8514-01	Electric Stove
20	1-4527-27	Stainless Steel Pot
21	4-2871-01	Pure water system
22	1-2185-21	Water Bath unit
23	1-2185-11	Water Tank for water bath
24	2-4219-01	Bag mixer
25	2-3554-21	Dilutor
26	2-7265-01	Bag Stand
27	2-3826-25	Pipette
28	4-9638-01	Stand for sample bag
29	4-1367-01	Sterilized Can

* See AXEL GLOBAL for product details.
URL : <https://www.axel-gl.com/en/>

Example of Nurse Station Layout



No.	Order No.	Product Name
1	8-9911-01	Nursing table
2	7-4313-01	Nursing cart
3	0-8055-02	Nursing chair
4	0-5729-33	Storage cabinet
5	8-4924-21	Site type cabinet
6	8-5249-01	Medical refrigerator
7	8-7003-01	Drug workbench
8	7-4750-01	Drug cart
9	0-4558-41	Emergency cart

See AXEL GLOBAL for product details.
URL: <https://www.axel-gl.com/en/>

Example of Clean Room Layout



General Work Area

No.	Order No.	Product Name
1	3-8847-01	AGV tape
2	3-1718-01	Asperity detect gloves
3	2-2132-01	PU coating gloves
4	3-7386-01	Black PU gloves
5	1-4762-71	Ultrasonic tape
6	1-3929-01	ESD mat
7	3-7384-01	Arm cover

ESD Area

No.	Order No.	Product Name
8	1-4277-72	Wrist strap
9	1-3904-01	Ionizer
10	1-4813-17	Conductive pipe holder
11	2-2134-01	Vacuum tweezers
12	1-4255-01	ESD sheet
13	1-3924-41	Conductivity finger cots

Pre Clean Room

No.	Order No.	Product Name
14	1-7161-01	Clean mop
15	1-3454-01	Clean sticky mat
16	1-2269-41	Clean safety boots
17	3-2000-01	SLN hanger
18	1-4252-51	Adhesive roller
19	2-7351-11	Roller unit
20	3-4568-01	Artificial park
21	3-7358-03	Adhesive mat
22	3-5417-01	Ion generator

Clean Area

No.	Order No.	Product Name
23	1-8743-11	Anti-static ESD mat
24	1-9078-11	Ambient monitor
25	2-4223-01	Device protection film
26	3-1725-01	Wiper
27	1-4767-51	Nitrile rubber gloves
28	1-2311-01	Overall for clean room
29	2-2148-11	Adhesive sheet
30	1-2293-01	Swab for clean room
31	1-7170-51	Clean notebook

See AXEL GLOBAL for product details.
URL: <https://www.axel-gl.com/en/>

Life Science Products

Genomics

Solution product that reads, maps, and counts sequences for genome approaches in every way possible.



Cell Biology

Device for cell analysis and single-cell picking system.



Peptide and Protein Crystallization

Product for protein crystallization, structural analysis, and middle-molecular pharmaceuticals.



Screening and Sample Management

High-throughput screening equipment and automated warehouse for large sample volumes.



Microbiological Examination

Microbiological testing product for the quality control, research, and development of pharmaceuticals, cosmetics, and food products.



Contracted Services

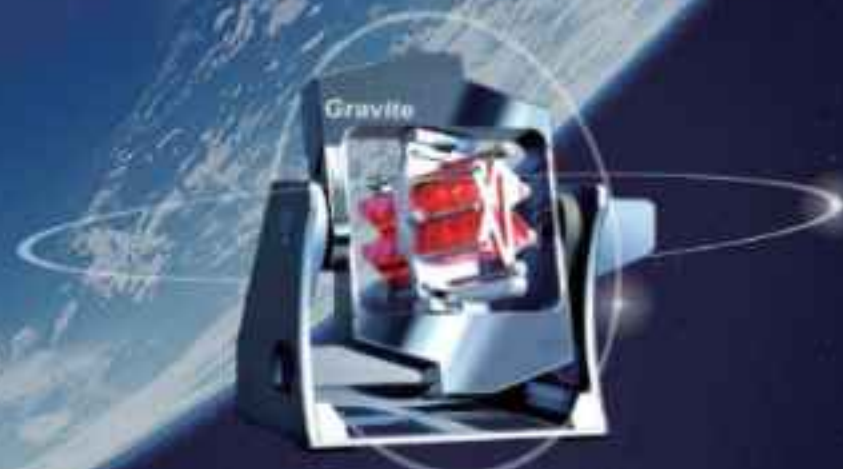
The Life Science Group provides various contract services, such as single-cell picking, genetic analysis, antibody production, and oligo synthesis.



Gravite

Gravity controller Gravite®

NASA Kennedy Space Center introduced a gravity controller "Gravite" for simulated microgravity device.



GET THE UNIVERSE IN YOUR LAB.!!

Regenerative medicine, Space biology, Drug discovery, etc.

Gravity Control Device Tools of Research and Development

The later of 19 century, developing "clinostat" originated from the research of geotropic response of plants. This first "clinostat" was a rotating machine to rotate sample using one horizontal rotation axis to the ground (1D-clinostat) to inhibit unidirectional gravitational force loading.

Our Gravity Controller "Gravite" is one of the 3D-clinostat. "Gravite" is a multi-directional gravity device for simulating microgravity. By controlled rotation of two axes, a 3D-clinostat minimizes the cumulative gravity vector at the center of the device and makes 10^{-3} G over time average. Moreover, "Gravite" creates not only simulated microgravity environment as well as ISS but also hyper-gravity environment of 2-3G by centrifugal force from one axis rotation.



SPACE BIO LABORATORIES

since 2005 www.spacebio-lab.com

Space Bio-Laboratories Co., Ltd.

1-2-3 Kasumi, Minami-ku, Hiroshima 734-8551, Japan.
Hiroshima University Kasumi Biomedical Research
Building #310, TEL: 81-83-257-1501

E-mail: contact@spacebio-lab.com

■ Feel free to contact your AS ONE sales representative for details.

Life Science E-mail: BIO@sc.as-1.co.jp

AS ONE CORPORATION

AS ONE Corporation is a general trading company in the research field, industrial field, medical field.
In the research field, we have the largest share in Japan in dealing with science and engineering related products.

AXEL GLOBAL WEBSITE

'AXEL GLOBAL' you can see more than 2,000,000 items
including laboratory equipment and industry supplies of Japan.



■ Product Search

On AXEL GLOBAL, you can easily search and find what you need out of more than 2,000,000 professional and wide range of items. And keyword search and refine search by manufacturer's name, product specification and so on are available on the screen.

■ Multilingual Support

AXEL GLOBAL supports 16 kinds of language including English, Korean, Chinese, Vietnamese, Thai, Spanish, German, and so on for global users to see what they need in their required language.



Search result page

Product detail page

AS ONE Calibration Service for Measuring Instruments

We issue calibration certificates, test reports, and traceability diagrams and are happy to discuss your sale or re-calibration of calibrated instruments.

POINT 1

Pricing

Easy-to-understand pricing structure

Prices with calibration are shown in this catalog.

POINT 2

Delivery time

Minimum seven days for a new calibration order ■ Delivery in Japan

For re-calibration, feel free to contact us.

POINT 3

Management

Management of calibration history data

We can provide periodic notification of when it is time for calibration.

Example of Measuring Instruments to Be Calibrated

Thermometers	Voltage/ Current measuring instruments	Electronic balances
Temperature/ Humidity measuring instruments	Resistance/ Power measuring instruments	Frequency/ Time measuring instruments
Power supply equipment	Oscillators	Circuit element/ Magnetic material measuring instruments
Recording devices	Electrochemical measuring instruments	Optical communication measuring instruments
Pressure gauges	Mass/Torque measuring instruments	Digital communications instruments

■ We may not calibrate some products, depending on the manufacturers. For details, feel free to contact us.



Contact us if you have trouble finding the right calibration service provider for any device.

Logistics Center

We deliver your products swiftly.

Our 3 distribution centers in Osaka, Chiba and Kyushu keep small quantities of a large variety of products, and boost a quick delivery system to ensure that our clients get the amount of products they need exactly when they need them.



Inventory held: Approx. 61 million dollars
SKU's in stock: Approx. 80,000SKU

95%

same-day shipping rate for the products in the catalogs

80,000

Items in stock!
Stock to be increased



Automated conveyor robot



Automated color storage



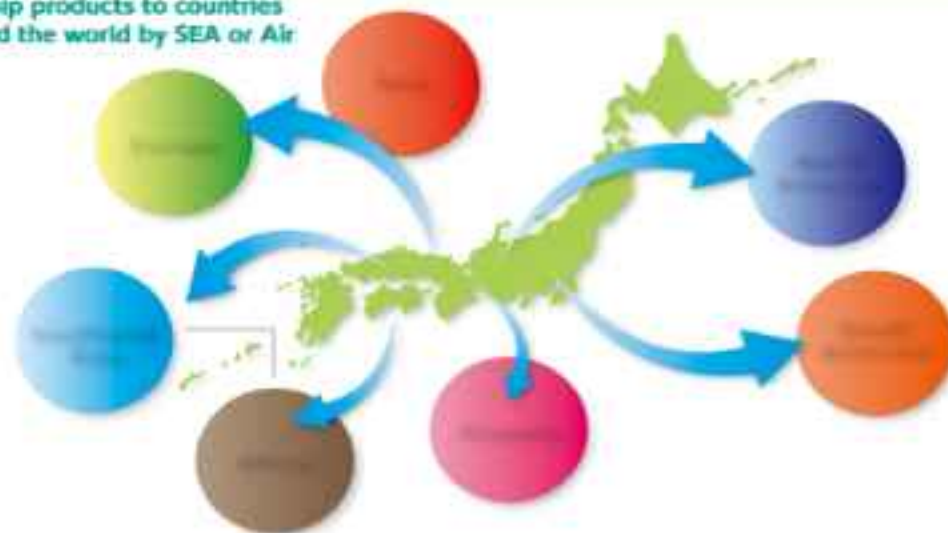
AI-equipped automated loading machine



Automated sorting function

Ship to overseas market

We ship products to countries around the world by SEA or Air



AS ONE SHANGHAI Corporation

We provide quick delivery services and product information to researchers, engineers, and buyers in China.

AS ONE SHANGHAI Corporation was established in 2007 as a subsidiary of AS ONE Corporation. We currently provide support to our clients through our offices in Shanghai, Guangzhou, Suzhou, Shenyang, Beijing.

Quick Delivery Enabled by a Large Variety of Products in Stock

We dispatch our products to all parts of China from our logistics centers in Shanghai and Beijing.



Beijing logistics center

October, 2016
Beijing logistics center opened



Shanghai logistics center

There are always 10,000 items in stock and ready to be shipped immediately.

Our Chinese Catalog and Website

We have created an original catalog and online store in Chinese.



AS ONE general catalog including 26,000 products on 1113 pages.

Here you can check the stock quantity and shipping availability.

AS ONE SHANGHAI Corporation online store
▶ <http://www.asonline.cn/>

亞細亞(上海)商贸有限公司

中国·上海总部

上海市黄浦区淮海中路770号(新华联大厦)东楼22楼2208
2208, Block B, No. 770 Middle Huanghai Road, Shanghai
Tel: 021-54011200 Fax: 021-54011009
手机: 13918005617
Email: information@mail.as.t.cn

As One International, Inc.

As One established its 100-percent owned subsidiary in Silicon Valley, USA.

We provide Japanese researchers with easy access to American products!

As One International started its operation as a North American product procurement center in Santa Clara, California. With using this company as our base in the United States, we are going to strengthen our ties with North American suppliers. It makes more efficient to find new products of North America and it helps us expand our product lineups significantly. Addition, we are planning to further expand our business related to North America with using As One International in the future.



Santa Clara City, California

AS ONE INTERNATIONAL, INC.

AS ONE INTERNATIONAL, INC.

HEAD OFFICE: 1800 Wyatt Dr. Suite 5, Santa Clara, CA 95054

TEL: +1-408-516-0303 FAX: +1-408-516-0310

Email: info@asone-int.com

1 Laboratory Equipment P.19



2 Measuring - Inspection Equipment P.29



3 Laboratory Furniture P.41



4 Life Science and Analysis P.47



5 Bottles and Containers P.58



6 Laboratory Related Tools and Fixtures P.67



7 Cleaning and Sterilization P.83



8 Safety Protection Supplies P.87



9 Clean Environment Equipment P.91



Mark List

+10% LABORAN	+10% LABORAN Mark This mark indicates availability of a value pack providing 10% greater quantity. The more you use, the better the deal.	Inspection Sheet	Inspection Sheet Mark This mark indicates products that come with an inspection sheet.
Assembly Mark	Products bearing this mark require assembly prior to use. Be sure to read the user manual before attempting assembly.	Calibration Sheet	Calibration Sheet Mark This mark indicates products that come with an original ASONE calibration sheet.
Freeze/Refrigerate Mark	This mark indicates products that must be kept frozen or refrigerated during storage and shipment.	JAN CODE	This mark indicates original ASONE products.
Disinfected Mark	This mark indicates products that have been disinfected using gamma rays, ethylene oxide gas, or other means.	100V	100 V power supply
Clear-packed Mark	This mark indicates products shipped in dust-free packaging so that they can be used in clean rooms.	220V	220 V to 240 V power supply
Native Printing Mark	This mark indicates products on which we can print a name.	Great Deal	This mark indicates recommended products.
Sample Mark	This mark indicates products for which samples are available.		
JIS Mark	This mark indicates Japanese Industrial Standards (JIS) compliance.		

Laboratory Equipment

High power and a low-profile design for high-viscosity stirring.

MAGNETIC STIRRER REXIM FOR HIGH VISCOSITY LIQUID

Order No.	Model No.	Power (W)	Plate Size (mm)	Plate Thickness (mm)	Max. Temp. (°C)	Max. Torque (N·m)	Max. Viscosity (mPa·s)	Max. Volume (L)	Price (USD)
L-4000-12	LH-12	1200	222.6 × 201.4 × 50	10	100	213	5000	200	\$225.9
L-4000-15	LH-15	1500	272.6 × 251.4 × 50	10	100	213	5000	250	\$257.4

※ Not suitable for use with heating liquid.

※ Stirring bar is not provided.

※ Support rods cannot be used for high-viscosity types.

- A DC brushless motor is used. Therefore, the product is durable.
- Stable rotation can be obtained from low to high speeds.
- The plate is made of SUS304, which has excellent chemical and corrosion resistance.

A low-cost digital stirrer with a microcomputer-type rotation speed feedback system

MAGNETIC STIRRER REXIM(Digital type)

Order No.	Model No.	Power (W)	Plate Size (mm)	Plate Thickness (mm)	Max. Temp. (°C)	Max. Torque (N·m)	Max. Viscosity (mPa·s)	Max. Volume (L)	Price (USD)
L-4000-12	LS-12	1200	222.6 × 222.6 × 50	10	100	140	5000	200	\$225.9
L-4000-15	LS-15	1500	272.6 × 272.6 × 50	10	100	140	5000	250	\$257.4
L-4000-21	LS-21	2100	372.6 × 372.6 × 50	10	100	140	5000	300	\$314.3

※ Not suitable for use with heating liquid.

※ Stirring bar is not provided.

- A DC brushless motor type for high durability.
- The plate is made of SUS304, which has excellent chemical and corrosion resistance.
- A pH meter, temperature probe, etc. will be fixed with an attached support rod (sold separately).
- The number of revolutions can be set individually for the 4- and 6-row types.
- RPM settings are made digitally, and the set value and actual measured value are displayed simultaneously.

A standard stirrer with ease of use and excellent cost performance

MAGNETIC STIRRER REXIM(Analog type)

Order No.	Model No.	Power (W)	Plate Size (mm)	Plate Thickness (mm)	Max. Temp. (°C)	Max. Torque (N·m)	Max. Viscosity (mPa·s)	Max. Volume (L)	Price (USD)
L-4000-12	LA-12	1200	222.6 × 222.6 × 50	10	100	140	5000	200	\$171.2
L-4000-15	LA-15	1500	272.6 × 272.6 × 50	10	100	140	5000	250	\$192.7
L-4000-21	LA-21	2100	372.6 × 372.6 × 50	10	100	140	5000	300	\$243.8

※ Not suitable for use with heating liquid.

※ Stirring bar is not provided.

- A DC brushless motor is used. Therefore, the product is durable.
- The plate is made of SUS304, which has excellent chemical and corrosion resistance.
- A pH meter, temperature probe, etc. will be fixed with an attached support rod (sold separately).
- The number of revolutions can be set individually for the 4- and 6-row types.

Specification

Type	High viscosity type	Digital type	Analog type	Option
Order No.	L-4000-12 (LH-12)	L-4000-12 (LS-12)	L-4000-12 (LA-12)	L-4000-12 (LH-12)
Model No.	LH-12	LS-12	LA-12	LH-12
Rotation speed (rpm)	Approx. 1000 (max.)	100~1000	100~1000	100~1000
Stirring capacity (mL)	50~10000	50~10000	50~10000	50~10000
Main unit size (mm)	222.6 × 201.4 × 50	222.6 × 222.6 × 50	222.6 × 222.6 × 50	222.6 × 201.4 × 50
Plate size (mm)	222.6 × 201.4	222.6 × 222.6	222.6 × 222.6	222.6 × 201.4
RPM settings	Touch key settings	Touch key settings	Touch key settings	Touch key settings
RPM display	Digital LCD (simultaneous display of set and measured values)	Digital LCD (simultaneous display of set and measured values)	Digital LCD (simultaneous display of set and measured values)	Digital LCD (simultaneous display of set and measured values)
Rotation speed control	Microcomputer-type rotation speed feedback	Microcomputer-type rotation speed feedback	Microcomputer-type rotation speed feedback	Microcomputer-type rotation speed feedback
Motor	High-output DC brushless motor	DC brushless motor	DC brushless motor	DC brushless motor
Magnet strength	0.6T	0.6T	0.6T	0.6T
Material	ABS (main unit) and SUS304 (plate)	ABS (main unit) and SUS304 (plate)	ABS (main unit) and SUS304 (plate)	ABS (main unit) and SUS304 (plate)
Power supply	Power supply: 100 to 240 VAC 50/60 Hz (dedicated AC adapter included); Power cord length: 2 m	Power supply: 100 to 240 VAC 50/60 Hz (dedicated AC adapter included); Power cord length: 2 m	Power supply: 100 to 240 VAC 50/60 Hz (dedicated AC adapter included); Power cord length: 2 m	Power supply: 100 to 240 VAC 50/60 Hz (dedicated AC adapter included); Power cord length: 2 m
Weight	Approx. 1.5 kg	Approx. 1.4 kg	Approx. 1.4 kg	Approx. 1.5 kg
Power consumption	Approx. 12.3 W	Approx. 12 W	Approx. 12 W	Approx. 12.3 W



DIGITAL UNDERWATER STIRRER

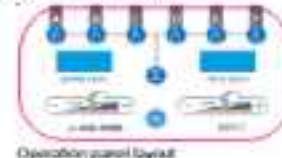
Order No.	Model No.	Power (W)	Plate Size (mm)	Plate Thickness (mm)	Max. Temp. (°C)	Max. Torque (N·m)	Max. Viscosity (mPa·s)	Max. Volume (L)	Price (USD)
L-4000-12	UDS-12	1200	222.6 × 222.6 × 50	10	100	140	5000	200	\$225.9
L-4000-15	UDS-15	1500	272.6 × 272.6 × 50	10	100	140	5000	250	\$257.4

※ A controller is supplied for use with stirrer.

- This stirrer is quiet and long-lasting due to the electromagnetic coil system.
- Waterproof type, and can be submerged underwater.
- Up to six stirrers can be controlled individually.

Specification

- Rotation speed settings range: 20 to 1500 rpm (in 10 rpm increments)
- Timer setting range: Continuous or 0 to 9 hours (in 5-minute increments)
- Display (LCD): Size: 165 × 105 × 45 mm
- Power Supply: 100 to 240 VAC 50/60 Hz
- Weight: 400 g
- Stirring capacity: Up to 1 L (400 mL)
- Motor: DC brushless
- Operating temperature range: 0°C to 100°C
- Size: ø120 mm (plate) and 120 × 120 × 20 mm (main unit)
- Weight: 270 g



Operation panel layout



Application example



Underwater application example

HOT STIRRER(REXIM)

Order No.	Model No.	Power (W)	Plate Size (mm)	Plate Thickness (mm)	Max. Temp. (°C)	Max. Torque (N·m)	Max. Viscosity (mPa·s)	Max. Volume (L)	Price (USD)
L-4000-12	HS-12	1200	222.6 × 222.6 × 50	10	100	140	5000	200	\$257.4
L-4000-15	HS-15	1500	272.6 × 272.6 × 50	10	100	140	5000	250	\$288.9

- Equipped with a safety lamp between the control panel and the hot plate on the front of the main unit (lit until the hot plate temperature falls to 60°C or below).
- The adopted microcomputer-type rotation speed feedback control will provide stable rotation from low to high speeds.
- RPM and temperature settings can be made digitally.

Specification

- Main unit size: 180 × 215 × 80 mm
- Rotation speed: 100 to 1500 rpm
- Stirring capacity: 50 to 10000 mL
- Settings: Touch key settings in 1°C, 10 rpm increments (before pressed long: 10°C, 100 rpm increments)
- Motor: DC brush motor
- Heater capacity: 300 W
- Hot plate material: Aluminum (fluorine resin coating)
- Power supply: 230 VAC
- Weight: Approx. 2 kg



Multiple-type hot stirrer of microcomputer control

MAGNETIC HOT STIRRER

Order No.	Model No.	Power (W)	Plate Size (mm)	Plate Thickness (mm)	Max. Temp. (°C)	Max. Torque (N·m)	Max. Viscosity (mPa·s)	Max. Volume (L)	Price (USD)
L-4000-12	LSH-12	1200	222.6 × 222.6 × 50	10	100	140	5000	200	\$314.3
L-4000-15	LSH-15	1500	272.6 × 272.6 × 50	10	100	140	5000	250	\$345.8
L-4000-21	LSH-21	2100	372.6 × 372.6 × 50	10	100	140	5000	300	\$414.3

※ The stirring bar is an option.

- A safety lamp maps at the front body and between its hot plate and its operation unit (lights on until the temperature of the top decreased to below 60°C).
- LSH-12~21 is capable of heating/stirring multiple solution at the same time, and can be adjusted individually with the rotational speed and the temperature.
- It is possible to control the sample temperature directly by using the (optional) external temperature sensor.
- It is possible to attach a convenient support rod (sold separately) to fix the temperature sensor or the like.
- The adoption of microcomputer rotary speed feedback control, stable rotation from low speed to high speed can be obtained.

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- It is possible to control the sample temperature directly by using the (optional) external temperature sensor.
- It is possible to attach a convenient support rod (sold separately) to fix the temperature sensor or the like.
- The adoption of microcomputer rotary speed feedback control, stable rotation from low speed to high speed can be obtained.

- It is possible to control the sample temperature directly by using the (optional) external temperature sensor.
- It is possible to attach a convenient support rod (sold separately) to fix the temperature sensor or the like.
- The adoption of microcomputer rotary speed feedback control, stable rotation from low speed to high speed can be obtained.



Support rod (sold separately)

Basic type of the metal housing.

HOT PLATE STIRRER

[illegible]

☞ Please submit your final file as a PDF.

- Precise temperature control is possible by PID temperature control system.
- Safety lamp: escape at the front body, it lights on until the temperature of the top decreased to below 50.
- Plate is excel in heat resistance and chemical resistance.
- HH-4A - 6A - 4T - 6T is capable of heating - stirring multiple solution at the same time, and can be adjusted individually with the rotational speed and the temperature.
- It is possible to control the sample temperature directly by using the (optional) external temperature sensor.
- The adoption of microcomputer rotary speed feedback control, stable rotation from low speed to high speed can be obtained.
- Digital type can be set at 1°C - 100m unit.



TEST TUBE MIXER TRIO (LOW TYPE)

[illegible]

⇒ **Phosphorus** and **butyrylcholinesterase** attachment

MINI SHAKER

Part Number	Part Name	Part Description	Part Price
4-1724-01	MG-LB	Reciprocating and rotating	\$238.13
4-1724-02	MG-B	High speed rotating	\$229.19
4-1724-03	MG-L	Reciprocating	\$262.28
4-1724-04	MG-S	Stroke	\$242.12
4-1724-11	MG-PS	Optimized ball joint	\$249.33
4-1724-12	MG-S7B	Rank for 5-mL tubes	\$22.88
4-1724-13	MG-S7B	Rank for 5-mL tubes	\$22.88
4-1724-14	MG-S7B	Rank for 5-mL tubes	\$22.88
4-1724-15	MG-S7B	Rank for 5-mL tubes	\$22.88
4-1724-16	MG-S7B	Rank for 5-mL tubes	\$22.88
4-1724-17	MG-S7B	Rank for 5-mL tubes	\$22.88
4-1724-18	MG-S7B	Rank for 5-mL tubes	\$22.88
4-1724-19	MG-S7B	Rank for 5-mL tubes	\$22.88
4-1724-20	MG-S7B	Rank for 5-mL tubes	\$22.88
4-1724-21	MG-S7B	Rank for 5-mL tubes	\$22.88
4-1724-22	MG-S7B	Rank for 5-mL tubes	\$22.88
4-1724-23	MG-S7B	Rank for 5-mL tubes	\$22.88
4-1724-24	MG-S7B	Rank for 5-mL tubes	\$22.88
4-1724-25	MG-S7B	Rank for 5-mL tubes	\$22.88
4-1724-26	MG-S7B	Rank for 5-mL tubes	\$22.88
4-1724-27	MG-S7B	Rank for 5-mL tubes	\$22.88
4-1724-28	MG-S7B	Rank for 5-mL tubes	\$22.88
4-1724-29	MG-S7B	Rank for 5-mL tubes	\$22.88
4-1724-30	MG-S7B	Rank for 5-mL tubes	\$22.88
4-1724-31	MG-S7B	Rank for 5-mL tubes	\$22.88
4-1724-32	MG-S7B	Rank for 5-mL tubes	\$22.88
4-1724-33	MG-S7B	Rank for 5-mL tubes	\$22.88
4-1724-34	MG-S7B	Rank for 5-mL tubes	\$22.88
4-1724-35	MG-S7B	Rank for 5-mL tubes	\$22.88
4-1724-36	MG-S7B	Rank for 5-mL tubes	\$22.88
4-1724-37	MG-S7B	Rank for 5-mL tubes	\$22.88
4-1724-38	MG-S7B	Rank for 5-mL tubes	\$22.88
4-1724-39	MG-S7B	Rank for 5-mL tubes	\$22.88
4-1724-40	MG-S7B	Rank for 5-mL tubes	\$22.88
4-1724-41	MG-S7B	Rank for 5-mL tubes	\$22.88
4-1724-42	MG-S7B	Rank for 5-mL tubes	\$22.88
4-1724-43	MG-S7B	Rank for 5-mL tubes	\$22.88
4-1724-44	MG-S7B	Rank for 5-mL tubes	\$22.88
4-1724-45	MG-S7B	Rank for 5-mL tubes	\$22.88
4-1724-46	MG-S7B	Rank for 5-mL tubes	\$22.88
4-1724-47	MG-S7B	Rank for 5-mL tubes	\$22.88
4-1724-48	MG-S7B	Rank for 5-mL tubes	\$22.88
4-1724-49	MG-S7B	Rank for 5-mL tubes	\$22.88
4-1724-50	MG-S7B	Rank for 5-mL tubes	\$22.88
4-1724-51	MG-S7B	Rank for 5-mL tubes	\$22.88
4-1724-52	MG-S7B	Rank for 5-mL tubes	\$22.88
4-1724-53	MG-S7B	Rank for 5-mL tubes	\$22.88
4-1724-54	MG-S7B	Rank for 5-mL tubes	\$22.88
4-1724-55	MG-S7B	Rank for 5-mL tubes	\$22.88
4-1724-56	MG-S7B	Rank for 5-mL tubes	\$22.88
4-1724-57	MG-S7B	Rank for 5-mL tubes	\$22.88
4-1724-58	MG-S7B	Rank for 5-mL tubes	\$22.88
4-1724-59	MG-S7B	Rank for 5-mL tubes	\$22.88
4-1724-60	MG-S7B	Rank for 5-mL tubes	\$22.88
4-1724-61	MG-S7B	Rank for 5-mL tubes	\$22.88
4-1724-62	MG-S7B	Rank for 5-mL tubes	\$22.88
4-1724-63	MG-S7B	Rank for 5-mL tubes	\$22.88
4-1724-64	MG-S7B	Rank for 5-mL tubes	\$22.88
4-1724-65	MG-S7B	Rank for 5-mL tubes	\$22.88
4-1724-66	MG-S7B	Rank for 5-mL tubes	\$22.88
4-1724-67	MG-S7B	Rank for 5-mL tubes	\$22.88
4-1724-68	MG-S7B	Rank for 5-mL tubes	\$22.88
4-1724-69	MG-S7B	Rank for 5-mL tubes	\$22.88
4-1724-70	MG-S7B	Rank for 5-mL tubes	\$22.88
4-1724-71	MG-S7B	Rank for 5-mL tubes	\$22.88
4-1724-72	MG-S7B	Rank for 5-mL tubes	\$22.88
4-1724-73	MG-S7B	Rank for 5-mL tubes	\$22.88
4-1724-74	MG-S7B	Rank for 5-mL tubes	\$22.88
4-1724-75	MG-S7B	Rank for 5-mL tubes	\$22.88
4-1724-76	MG-S7B	Rank for 5-mL tubes	\$22.88
4-1724-77	MG-S7B	Rank for 5-mL tubes	\$22.88
4-1724-78	MG-S7B	Rank for 5-mL tubes	\$22.88
4-1724-79	MG-S7B		

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Model No.	MS-LB	MS-B	MS-L	MS-S
Shaking method	Reciprocating and swirling agitator	High speed swirling	Reciprocating	Swirling
Shaking speed	10 to 180 rpm	10 to 360 rpm	10 to 180 rpm	10 to 180 rpm
Swing rate per cycle	Variable by knob			
Swing rate/min	150 ~ 150 sec			
Swing angle	9° to 10°			
Swing speed	20 sec	10 sec	20 sec	20 sec
Swing angle	9° to 10°			
Swing speed	1 kg (excluding holder)			
Motor	DC brushless motor (10 W)			
Material	Main unit: Steel; Top plate: SUS304			
Power supply	24 VDC 1A (dedicated AC adapter is included, 100 to 240 VAC 50/60 Hz, Approx. 1.5 A)			
Weight	Approx. 2.4 kg	Approx. 2.4 kg	Approx. 2.7 kg	Approx. 2.7 kg

Case Study

Model No.	H3H-1A	H3H-4A	H3H-6A	H3H-TD	H3H-4D	H3H-6D
Temperature (Dry) Span	PM Control					
Temperature Wetting Range	N/A or -70°F					
Humidity Capacity	50/70%	100/94%	100/94%	50/70%	100/94%	100/94%
Material	Poly. Acrylonitrile Butadiene Styrene (ABS) Body / Polycarbonate Lens / 1/8" (2.54 mm) Thick					
Power Supply	44-120V AC 50/60Hz					
Power Consumption	0.05/0.10W	1.4/2.0-14.0W	1.6/2.0-14.0W	0.05/0.10W	1.4/2.0-14.0W	1.6/2.0-14.0W
Body Dimensions	1.5" (38.1 mm) H x 1.5" (38.1 mm) W x 1.5" (38.1 mm) D					
Weight	approx. 2.5 grams (0.09 oz) approx. 10 grams (0.35 oz) approx. 2.5 grams (0.09 oz) approx. 2.5 grams (0.09 oz) approx. 2.5 grams (0.09 oz) approx. 2.5 grams (0.09 oz)					

[illegible]

Available in small spaces.



- 
- The product is designed for an ambient temperature of 0°C to 50°C that can be used inside incubators. (No condensation)
 - Different shaking methods are available for various applications.
 - The single tier-type structure allows intuitive adjustment of shaking speed.
 - Robust motor enables a low RPM range. Highly durable.



STAINLESS STEEL SIEVE

Order	Item	C 2286		C 2287		C 2288		C 2289		C 2290		C 2291		C 2292	
		#	Price	#	Price	#	Price	#	Price	#	Price	#	Price	#	Price
01	1000	-	-	551.6	-	542.2	-	-	-	5162.7	-	5251.1	-	-	
02	1000	-	-	551.6	-	542.2	-	-	-	5162.7	-	5251.1	-	-	
03	1000	-	-	551.6	-	542.2	-	-	-	5162.7	-	5251.1	-	-	
04	1000	-	-	551.6	-	542.2	-	-	-	5162.7	-	5251.1	-	-	
05	1000	-	-	551.6	-	542.2	-	-	-	5162.7	-	5251.1	-	-	
06	1000	-	-	551.6	-	542.2	-	-	-	5162.7	-	5251.1	-	-	
07	1000	-	-	551.6	-	542.2	-	-	-	5162.7	-	5251.1	-	-	
08	1000	-	-	551.6	-	542.2	-	-	-	5162.7	-	5251.1	-	-	
09	1000	-	-	551.6	-	542.2	-	-	-	5162.7	-	5251.1	-	-	
10	1000	-	-	551.6	-	542.2	-	-	-	5162.7	-	5251.1	-	-	
11	1000	-	-	551.6	-	542.2	-	-	-	5162.7	-	5251.1	-	-	
12	1000	-	-	551.6	-	542.2	-	-	-	5162.7	-	5251.1	-	-	
13	1000	-	-	551.6	-	542.2	-	-	-	5162.7	-	5251.1	-	-	
14	1000	-	-	551.6	-	542.2	-	-	-	5162.7	-	5251.1	-	-	
15	1000	-	-	551.6	-	542.2	-	-	-	5162.7	-	5251.1	-	-	
16	1000	-	-	551.6	-	542.2	-	-	-	5162.7	-	5251.1	-	-	
17	1000	-	-	551.6	-	542.2	-	-	-	5162.7	-	5251.1	-	-	
18	1000	-	-	551.6	-	542.2	-	-	-	5162.7	-	5251.1	-	-	
19	1000	-	-	551.6	-	542.2	-	-	-	5162.7	-	5251.1	-	-	
20	1000	-	-	551.6	-	542.2	-	-	-	5162.7	-	5251.1	-	-	
21	1000	-	-	551.6	-	542.2	-	-	-	5162.7	-	5251.1	-	-	
22	1000	-	-	551.6	-	542.2	-	-	-	5162.7	-	5251.1	-	-	
23	1000	-	-	551.6	-	542.2	-	-	-	5162.7	-	5251.1	-	-	
24	1000	-	-	551.6	-	542.2	-	-	-	5162.7	-	5251.1	-	-	
25	1000	-	-	551.6	-	542.2	-	-	-	5162.7	-	5251.1	-	-	
26	1000	-	-	551.6	-	542.2	-	-	-	5162.7	-	5251.1	-	-	
27	1000	-	-	551.6	-	542.2	-	-	-	5162.7	-	5251.1	-	-	
28	1000	-	-	551.6	-	542.2	-	-	-	5162.7	-	5251.1	-	-	
29	1000	-	-	551.6	-	542.2	-	-	-	5162.7	-	5251.1	-	-	
30	1000	-	-	551.6	-	542.2	-	-	-	5162.7	-	5251.1	-	-	
31	1000	-	-	551.6	-	542.2	-	-	-	5162.7	-	5251.1	-	-	
32	1000	-	-	551.6	-	542.2	-	-	-	5162.7	-	5251.1	-	-	
33	1000	-	-	551.6	-	542.2	-	-	-	5162.7	-	5251.1	-	-	
34	1000	-	-	551.6	-	542.2	-	-	-	5162.7	-	5251.1	-	-	
35	1000	-	-	551.6	-	542.2	-	-	-	5162.7	-	5251.1	-	-	
36	1000	-	-	551.6	-	542.2	-	-	-						

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- **Material:** W6x12, 120lb, 150lb, Stainless Steel CUS3040, 725, 20ga, Stainless Steel CUS3100, Frame, Stainless Steel CUS3040



ALUMINA BALL

Order No.	Model No.	Quantity	Reference Price
1-400A-01	5A-1000-5	5	\$104.3
1-400A-02	5A-1000-10	10	\$198.3
1-400A-03	5A-1000-25	25	\$303.3
1-400A-04	5A-1000-50	50	\$504.3
1-400A-05	5A-1000-100	100	\$1003.3

※ The price is per 1000 balls.

- It excels in wear resistance and there is almost no mixing of those other than an alumina ingredient for 99.9% and high purity.
- Since there is very little content of U-Th, there is almost no mixing of a radioactive element.

- Specification
 - Chemical Composition: Aluminum (Al) 99.9% • Density: 3.9 g/cm³
 - Hardness: Hv1750 • Destructive Toughness: 3.5 MPa√m
 - Good Point: Absorption rate: 1 ppm • Capacity: 1 kg



STANDARD MORTAR(with pestle)

Order No.	Model No.	Quantity	Reference Price
1-2000-01	211a/0	25	\$113.6
1-2000-02	211a/3/0	75	\$113.6
1-2000-03	211a/3a	300	\$113.6
1-2000-04	211a/3i	225	\$113.6
1-2000-05	211a/3e	400	\$113.6
1-2000-06	211a/5	600	\$113.6
1-2000-07	211a/6	1000	\$113.6

- Specification
 - Chemical Composition: SiO₂ (99%) and Al₂O₃ (0.9%)
 - Specific Gravity: 2.4 g/cm³
 - Heat resistance temperature: 1000°C
 - Meets JIS 506 standard (except for 211a/5 and 211a/6)



SIPHON PUMP (Colorful Pump)

Color	Qty	Quantity	Reference Price
Red	10	10	\$12.5
Yellow	10	10	\$12.5
Green	10	10	\$12.5
Light blue	10	10	\$12.5
Dark blue	10	10	\$12.5
Black	10	10	\$12.5
Pink	10	10	\$12.5
White	10	10	\$12.5

- Choose from seven colors to distinguish liquid.
- Specification
 - Material: PE
 - Heat resistance temperature: Approx. 70°C
 - Size: Approx. 1.41 x 1.38 mm (overall length x hose length and approx. 2.0 x 1.5 mm (inner outer diameter x tip diameter))

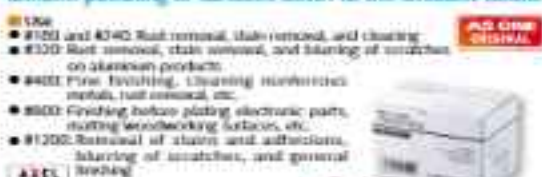


STIRRING BAR

Order No.	Model No.	Quantity	Reference Price
1-2000-01	10 x 4	10	\$4.1
1-2000-02	15 x 5	10	\$4.1
1-2000-03	20 x 7	10	\$4.1
1-2000-04	25 x 8	10	\$4.1
1-2000-05	30 x 8	10	\$4.1
1-2000-06	35 x 8	10	\$4.1
1-2000-07	40 x 8	10	\$4.1
1-2000-08	45 x 8	10	\$4.1
1-2000-09	50 x 8	10	\$4.1
1-2000-10	60 x 8	10	\$4.1
1-2000-11	70 x 10	10	\$4.1
1-2000-12	80 x 10	10	\$4.1

- Specification
 - Material: PTFE

Soft and blends well with uneven surfaces, enabling uniform polishing of surfaces down to the smallest detail.



NON-WOVEN ABRASIVE

Order No.	Model No.	Quantity	Reference Price
1-1000-01	A7 8100	100	\$14.9
1-1000-02	A7 8140	100	\$14.9
1-1000-03	A7 8150	100	\$14.9
1-1000-04	A7 8160	100	\$14.9
1-1000-05	A7 8170	100	\$14.9
1-1000-06	A7 8180	100	\$14.9

- The standard grit range allows a wide variety of uses.
- Specification
 - Size: 100 x 200 mm • Abrasive grade: Aluminum oxide



ACID-PROOF PUMP

Order No.	Model No.	Quantity	Reference Price
1-2000-01	104	10	\$12.5

- Made entirely of polystyrene, easy to see inside, and sanitary for washing.
- Specification
 - Material: PE
 - Weight: 40 g
 - Large tube: 1.20 pieces

OIL-SEALED ROTARY VACUUM PUMP (Corrosion-resistant direct connection type)

Order No.	Model No.	Motor Power (W)	Rated Vacuum (mmHg)	Flow Rate (L/min)	Oil Volume (L)	Weight (kg)	Reference Price
1-071-1A-01	GCD-0110	100	0.07	10	0.1	1.1	\$1845.2
1-071-1B-01	GCD-1A10	100	0.07	10	0.1	1.1	\$2221.7
1-071-1C-01	GCD-2010	200	0.07	20	0.1	2.1	\$2756.4

※ The price is per 1000 balls.

- The GCD series is a reinforced corrosion-resistant vacuum pump with special surface treatment applied to the (G) series.
- Fluorine rubber is used for the oil seals and O-rings.
- Oil filtration can also be connected.
- Specification
 - Oil used: N-OM (provided)
 - Oil volume: 500 to 600 ml (GCD-0110, 1000 ml (GCD-1A10), and 1100 ml (GCD-2010))

Compact aspirator capable of adjusting the vacuum

COMPACT DRY ASPIRATOR

Order No.	Model No.	Quantity	Reference Price
1-1000-01	DA-01	10	\$294.7
1-1000-02	DA-02	10	\$17.9

- Dry aspirator with a built-in diaphragm dry pump.
- Useable in a location where tap water is not available.
- Suitable for various applications requiring vacuum and pressure reduction such as evaporation, filtration under reduced pressure, and degassing.
- Ensures a stable suction as the suction power does not lower due to increase in water temperature.
- Provided with a vacuum level adjustment function.
- Compact for easy handling on the desk. Provided with a handle for easy carrying.
- Specification
 - Maximum Vacuum: -760 mmHg • Inlet/Outlet: 1/4" (6.35 mm)
 - Connecting Port: Inlet: 1/4" (6.35 mm), Outlet: 1/4" (6.35 mm)
 - Vacuum Gauge: Bourdon Tube Type • Power Supply: AC100V 50/60Hz 0.8A

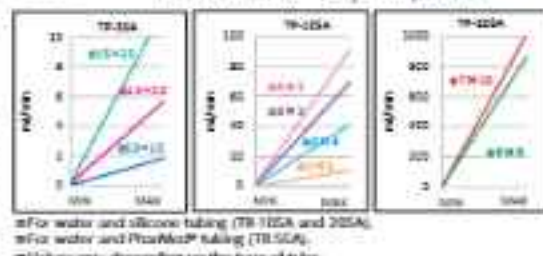
The high-precision stepping motor ensures stable pumping even at high flow rates.

TUBING PUMP

Order No.	Model No.	Flow Rate (L/min)	Reference Price
1-1000-01	TP-10A	10	\$557.3
1-1000-02	TP-10SA	10	\$489.5
1-1000-03	TP-20SA	20	\$722
1-1000-04	TP-30SA	30	\$113.6
1-1000-05	TP-40SA	40	\$113.6
1-1000-06	TP-50SA	50	\$113.6
1-1000-07	TP-60SA	60	\$113.6
1-1000-08	TP-70SA	70	\$113.6
1-1000-09	TP-80SA	80	\$113.6
1-1000-10	TP-90SA	90	\$113.6

- The flow rate is stable even at high flow rates.
- The flow rate is stable even at high flow rates.
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- The flow rate is stable even at high flow rates.

Model No.	TP-10A	TP-10SA	TP-20SA
Motor	Stepping motor	Stepping motor	Stepping motor
Pump	Ring pump	Ring pump	Ring pump
Applicable tube material	Dedicated tube for Fluorine	Dedicated tube for Fluorine	Dedicated tube for Fluorine
Applicable tube I.D. x O.D.	φ1.5 x φ1.5 mm	φ1.5 x φ1.5 mm	φ1.5 x φ1.5 mm
Flow rate	0.01~10 mL/min	0.1~10 mL/min	1~100 mL/min
Rotation speed	2~400 rpm	2~100 rpm	1~100 rpm
Main seal material	Steel coating	Steel coating	Steel coating
Size	126 x 140 x 135	110 x 125 x 100	126 x 140 x 135
Weight	1.2 kg	1.5 kg	2.4 kg
Power supply	AC100~240V 50/60Hz	AC100~240V 50/60Hz	AC100~240V 50/60Hz
Plug shape	2P plug (AC adapter)	2P plug (AC adapter)	2P plug (AC adapter)



※ For water and silicone tubing (TP-10SA and 20SA).
 ※ For water and Fluorine tubing (TP-10A).
 ※ Values vary depending on the type of tube.

ELECTRONIC BALANCE (AXA)

Order No.	Model No.	Weighting capacity (g)	Minimum readability (g)	Reference Price
4-4000-01	AXA1000	100	0.001	\$387.9
4-4000-02	AXA5000	500	0.001	\$477.8
4-4000-03	AXA1000	100	0.001	\$482
4-4000-04	AXA1000	1000	0.001	\$508.3
4-4000-05	AXA2000	2000	0.001	\$568.3
4-4000-06	AXA5000	5000	0.001	\$677.8
4-4000-07	AXA5000	5000	0.001	\$677.8
4-4000-08	AXA5000	5000	0.001	\$677.8
4-4000-09	AXA5000	5000	0.001	\$677.8
4-4000-10	AXA5000	5000	0.001	\$677.8
4-4000-11	AXA5000	5000	0.001	\$677.8
4-4000-12	AXA5000	5000	0.001	\$677.8
4-4000-13	AXA5000	5000	0.001	\$677.8
4-4000-14	AXA5000	5000	0.001	\$677.8
4-4000-15	AXA5000	5000	0.001	\$677.8
4-4000-16	AXA5000	5000	0.001	\$677.8
4-4000-17	AXA5000	5000	0.001	\$677.8
4-4000-18	AXA5000	5000	0.001	\$677.8
4-4000-19	AXA5000	5000	0.001	\$677.8
4-4000-20	AXA5000	5000	0.001	\$677.8

- HBM load cells are used for superior stability.
- The enclosure is made of a polycarbonate resin for excellent durability.
- The built-in rechargeable battery allows use in places with no power supply.
- The AXA1000, AXA5000, and AXA5000 have glass windshields, while AXA1000 and AXA5000 have plastic windshields to prevent wind effects.

- Specifications:
 - Reproducibility: ± 0.001 g (AXA1000 and AXA5000), ± 0.003 g (AXA5000), and ± 0.01 g (AXA1000, AXA5000, AXA5000, and AXA5000)
 - Linearity: ± 0.002 g (AXA1000 and AXA5000), ± 0.005 g (AXA5000), and ± 0.02 g (AXA1000, AXA5000, AXA5000, and AXA5000)
 - Dish Size: $\phi 110$ mm (AXA1000, AXA5000, and AXA5000), 140×115 mm (AXA1000 and AXA5000), and 180×140 mm (AXA5000 and AXA5000)
 - Display: LCD, bar graph, backlit
 - Size: $210 \times 300 \times 231$ mm (AXA1000, AXA5000, and AXA5000), $210 \times 300 \times 176.5$ mm (AXA1000 and AXA5000), and $210 \times 300 \times 80.5$ mm (AXA5000 and AXA5000)
 - Functions: Piece counting, tare, data hold, display %, and CA
 - Power Supply: AC100-240V 50/60Hz
 - Response Time: Approx. 3 sec. • Weight: Approx. 3.5 kg



PLATFORM SCALE

Order No.	Model No.	Weighting capacity (kg)	Minimum readability (g)	Reference Price
4-4000-01	PL1500K	150	1	\$350.2
4-4000-02	PL1500K	150	1	\$350.2
4-4000-03	PL1500K	150	1	\$350.2
4-4000-04	PL1500K	150	1	\$350.2
4-4000-05	PL1500K	150	1	\$350.2
4-4000-06	PL1500K	150	1	\$350.2
4-4000-07	PL1500K	150	1	\$350.2
4-4000-08	PL1500K	150	1	\$350.2
4-4000-09	PL1500K	150	1	\$350.2
4-4000-10	PL1500K	150	1	\$350.2
4-4000-11	PL1500K	150	1	\$350.2
4-4000-12	PL1500K	150	1	\$350.2
4-4000-13	PL1500K	150	1	\$350.2
4-4000-14	PL1500K	150	1	\$350.2
4-4000-15	PL1500K	150	1	\$350.2
4-4000-16	PL1500K	150	1	\$350.2
4-4000-17	PL1500K	150	1	\$350.2
4-4000-18	PL1500K	150	1	\$350.2
4-4000-19	PL1500K	150	1	\$350.2
4-4000-20	PL1500K	150	1	\$350.2

- One digit more accurate than a standard platform scale.
- The built-in rechargeable battery allows use in places with no power supply.
- Specifications:
 - Reproducibility: ± 2 g (PL1500K and PL1500K) and ± 10 g (PL1500K)
 - Linearity: ± 2 g (PL1500K and PL1500K) and ± 10 g (PL1500K)
 - Functions: Piece counting, tare, %, and CA
 - Response Time: Approx. 2 sec. • Display: LCD, bar graph, backlit
 - Power Supply: 100 VAC 50/60 Hz • Battery Operation Time: Approx. 50 hours
 - Measuring Dish Size: 300×400 mm (PL1500K and PL1500K) and 400×500 mm (PL1500K)
 - Size: $300 \times 500 \times 600$ mm (PL1500K and PL1500K) and $400 \times 600 \times 600$ mm (PL1500K)
 - Weight: Approx. 1.5 kg (PL1500K and PL1500K) and 1.8 kg (PL1500K)

Built-in rechargeable battery



WEIGHT

Order No.	Model No.	Weighting capacity (g)	Minimum readability (g)	Reference Price
4-4000-01	W51F2K	2000	0.001	\$1648.8
4-4000-02	W51F2K	2000	0.001	\$1648.8
4-4000-03	W51F2K	2000	0.001	\$1648.8
4-4000-04	W51F2K	2000	0.001	\$1648.8
4-4000-05	W51F2K	2000	0.001	\$1648.8
4-4000-06	W51F2K	2000	0.001	\$1648.8
4-4000-07	W51F2K	2000	0.001	\$1648.8
4-4000-08	W51F2K	2000	0.001	\$1648.8
4-4000-09	W51F2K	2000	0.001	\$1648.8
4-4000-10	W51F2K	2000	0.001	\$1648.8
4-4000-11	W51F2K	2000	0.001	\$1648.8
4-4000-12	W51F2K	2000	0.001	\$1648.8
4-4000-13	W51F2K	2000	0.001	\$1648.8
4-4000-14	W51F2K	2000	0.001	\$1648.8
4-4000-15	W51F2K	2000	0.001	\$1648.8
4-4000-16	W51F2K	2000	0.001	\$1648.8
4-4000-17	W51F2K	2000	0.001	\$1648.8
4-4000-18	W51F2K	2000	0.001	\$1648.8
4-4000-19	W51F2K	2000	0.001	\$1648.8
4-4000-20	W51F2K	2000	0.001	\$1648.8



- Specifications:
 - Grade: F1 Class / OIML International Organization of Legal Metrology (OIML) Class, F1 Class / OIML International Organization of Legal Metrology (OIML) Class
 - Material: F1 Class / Non-magnetic Stainless Steel (Austenitic)
 - Shape: 20kg - 1g / Cylindrical Type (OIML Type), 500g - 1g / Tube Type
 - Accessories: 20kg - 1g / Aluminum Case, 20g - 1g / Tube Case

WEIGHING PAPER

Great Deal

Order No.	Size (mm)	Quantity	Reference Price
4-4000-01	50 x 50	1 pack (500 sheets)	\$2
4-4000-02	75 x 75	1 pack (500 sheets)	\$2.5
4-4000-03	100 x 100	1 pack (500 sheets)	\$3.5
4-4000-04	150 x 150	1 pack (500 sheets)	\$5.1

- Applicable to various analytical balances and can weigh substances like powders.
- The paper is smooth, non-sticky, and effective for accurate weighing.

AS ONE WEIGHING PAPER (shrink pack)

Order No.	Size (mm)	Quantity	Reference Price
4-4000-01	50 x 50	1 pack (500 sheets)	\$2
4-4000-02	75 x 75	1 pack (500 sheets)	\$2.5
4-4000-03	100 x 100	1 pack (500 sheets)	\$3.5
4-4000-04	150 x 150	1 pack (500 sheets)	\$5.1

BALANCE TRAY

Order No.	Size (mm)	Quantity	Reference Price
4-4000-01	50 x 50	1 box (100 sheets)	\$57.2
4-4000-02	75 x 75	1 box (100 sheets)	\$64.8
4-4000-03	100 x 100	1 box (100 sheets)	\$79.1
4-4000-04	150 x 150	1 box (100 sheets)	\$108.3
4-4000-05	200 x 200	1 box (100 sheets)	\$156.9
4-4000-06	250 x 250	1 box (100 sheets)	\$199.6
4-4000-07	300 x 300	1 box (100 sheets)	\$253.7
4-4000-08	350 x 350	1 box (100 sheets)	\$325.6
4-4000-09	400 x 400	1 box (100 sheets)	\$407.7
4-4000-10	450 x 450	1 box (100 sheets)	\$500.3
4-4000-11	500 x 500	1 box (100 sheets)	\$604.8
4-4000-12	550 x 550	1 box (100 sheets)	\$729.3
4-4000-13	600 x 600	1 box (100 sheets)	\$863.8
4-4000-14	650 x 650	1 box (100 sheets)	\$1008.3
4-4000-15	700 x 700	1 box (100 sheets)	\$1162.8
4-4000-16	750 x 750	1 box (100 sheets)	\$1327.3
4-4000-17	800 x 800	1 box (100 sheets)	\$1501.8
4-4000-18	850 x 850	1 box (100 sheets)	\$1686.3
4-4000-19	900 x 900	1 box (100 sheets)	\$1880.8
4-4000-20	950 x 950	1 box (100 sheets)	\$2085.3

Sterile type lineup

Application example

- Suitable for weighing liquids or solids and not wasting a sample down to the last drop (grain).
- A pointed tip for easy transfer to narrow-necked bottles, test tubes, etc.
- The flange is shaped, so it is easy to grasp with tweezers.
- No dust adhesion, thus preventing the contamination of reagents (liquids and powders).

ANTI-VIBRATION PLATFORM

Order No.	Model No.	Weighting capacity (kg)	Reference Price
4-4000-01	AV1000	1000	\$542.3
4-4000-02	AV2000	2000	\$828.4

- Suitable for vibration isolation for balances (precision balances), optical microscopes, other measuring instruments, and precision equipment.
- The sparse-dense-sparse trapezoid structure quickly absorbs vibration and converts it into heat.
- The structure uses unique porous cast iron with a density gradient to enable the platform to provide vibration isolation.
- Particularly effective for frequencies that are difficult to isolate.
- Also effective as a vibration isolator.

THERMO BLOCK

Order No.	Model No.	Weighting capacity (kg)	Reference Price
4-4000-01	TB1000	1000	\$300.3
4-4000-02	TB2000	2000	\$300.3
4-4000-03	TB3000	3000	\$300.3
4-4000-04	TB4000	4000	\$300.3
4-4000-05	TB5000	5000	\$300.3

- It is common heat history sensor for grasping heat history with simply and sufficient accuracy to management of calcination process.
- Since computerization of calcination conditions is attained, share and comparative evaluation of engineering data become possible.
- By using it continuously periodically, it is applicable to unusual management of calcination furnace, statistical quality control, etc.

TEMPERATURE LABELS (irreversibility)

Order No.	Model No.	Temperature Coordinate (°C)	Reference Price
1-405-10	IT-040	40-100-80	\$14.6
1-405-11	IT-045	45-105-85	\$14.6
1-405-12	IT-050	50-110-90	\$14.6
1-405-13	IT-055	55-115-95	\$14.6
1-405-14	IT-060	60-120-100	\$14.6
1-405-15	IT-065	65-125-105	\$14.6
1-405-16	IT-070	70-130-110	\$14.6
1-405-17	IT-075	75-135-115	\$14.6
1-405-18	IT-080	80-140-120	\$14.6
1-405-19	IT-085	85-145-125	\$14.6
1-405-20	IT-090	90-150-130	\$14.6
1-405-21	IT-095	95-155-135	\$14.6
1-405-22	IT-100	100-160-140	\$14.6
1-405-23	IT-105	105-165-145	\$14.6
1-405-24	IT-110	110-170-150	\$14.6
1-405-25	IT-115	115-175-155	\$14.6
1-405-26	IT-120	120-180-160	\$14.6
1-405-27	IT-125	125-185-165	\$14.6
1-405-28	IT-130	130-190-170	\$14.6
1-405-29	IT-135	135-195-175	\$14.6
1-405-30	IT-140	140-200-180	\$14.6
1-405-31	IT-145	145-205-185	\$14.6

- Since temperature indicating element uses melting point of stable melt pigment, it is exact and highly precise.



- Specification:
 - Dimension Accuracy: 30-40-150/±2%, 30-160-170/±2-3%, 30-180-195-200-210/±2%
 - Dimensions: Base/13×30mm (30-40-110)/17×32mm (30-120-210), Temperature-indicating Element/φ2mm
 - Quantity: 1box/20 sheets

Order No.	Model No.	Temperature Coordinate (°C)	Reference Price
1-405-32	IT-150	150-210-200	\$14.6
1-405-33	IT-155	155-215-205	\$14.6
1-405-34	IT-160	160-220-210	\$14.6
1-405-35	IT-165	165-225-215	\$14.6
1-405-36	IT-170	170-230-220	\$14.6
1-405-37	IT-175	175-235-225	\$14.6
1-405-38	IT-180	180-240-230	\$14.6
1-405-39	IT-185	185-245-235	\$14.6



- Specification:
 - Sensor Type: K Thermocouple
 - Measuring Range: -50-1300°C
 - Function: Temperature fluctuates displayed between 2 points of switch display
 - Accuracy: -50-1000°C/±0.5% (max/1°C), 1000-1300°C/±1°C
 - Sampling Rate: 2.5 times/seconds
 - Display: 3.5 Figures LCD Display
 - Operating Warm Hysteresis: 0-100°C/±0.5% (max/1°C)
 - Impression Temperature: 0-70-100°C
 - Power Supply: 300mAh (VRL) Battery (included for testing)
 - Dimensions: 156×45.5×25mm
 - Weight: approx. 77g

DIGITAL THERMOMETER

Order No.	Model No.	Temp. Range (°C)	Resolution (°C)	Reference Price
1-3012-01	TM-301	1	50-1300	\$105.4
1-3012-02	TM-302	2	50-1300	\$119

* The selected probe is at option. Please select Probe K cable.

DIGITAL FORCE GAUGE

Order No.	Model No.	Measuring range (N)	Resolution (N)	Reference Price
1-3013-01	ZTA-20N	20	0.01	\$715.5
1-3013-02	ZTA-50N	50	0.01	\$715.5
1-3013-03	ZTA-100N	100	0.01	\$715.5
1-3013-04	ZTA-200N	200	0.01	\$715.5
1-3013-05	ZTA-500N	500	0.01	\$715.5
1-3013-06	ZTA-1000N	1000	0.01	\$715.5
1-3013-07	ZTA-2000N	2000	0.01	\$715.5
1-3013-08	ZTA-5000N	5000	0.01	\$715.5
1-3013-09	ZTA-10000N	10000	0.01	\$715.5
1-3013-10	ZTA-20000N	20000	0.01	\$715.5
1-3013-11	ZTA-50000N	50000	0.01	\$715.5
1-3013-12	ZTA-100000N	100000	0.01	\$715.5
1-3013-13	ZTA-200000N	200000	0.01	\$715.5
1-3013-14	ZTA-500000N	500000	0.01	\$715.5
1-3013-15	ZTA-1000000N	1000000	0.01	\$715.5
1-3013-16	ZTA-2000000N	2000000	0.01	\$715.5
1-3013-17	ZTA-5000000N	5000000	0.01	\$715.5
1-3013-18	ZTA-10000000N	10000000	0.01	\$715.5
1-3013-19	ZTA-20000000N	20000000	0.01	\$715.5
1-3013-20	ZTA-50000000N	50000000	0.01	\$715.5
1-3013-21	ZTA-100000000N	100000000	0.01	\$715.5
1-3013-22	ZTA-200000000N	200000000	0.01	\$715.5
1-3013-23	ZTA-500000000N	500000000	0.01	\$715.5
1-3013-24	ZTA-1000000000N	1000000000	0.01	\$715.5
1-3013-25	ZTA-2000000000N	2000000000	0.01	\$715.5
1-3013-26	ZTA-5000000000N	5000000000	0.01	\$715.5
1-3013-27	ZTA-10000000000N	10000000000	0.01	\$715.5
1-3013-28	ZTA-20000000000N	20000000000	0.01	\$715.5
1-3013-29	ZTA-50000000000N	50000000000	0.01	\$715.5
1-3013-30	ZTA-100000000000N	100000000000	0.01	\$715.5
1-3013-31	ZTA-200000000000N	200000000000	0.01	\$715.5
1-3013-32	ZTA-500000000000N	500000000000	0.01	\$715.5
1-3013-33	ZTA-1000000000000N	1000000000000	0.01	\$715.5
1-3013-34	ZTA-2000000000000N	2000000000000	0.01	\$715.5
1-3013-35	ZTA-5000000000000N	5000000000000	0.01	\$715.5
1-3013-36	ZTA-10000000000000N	10000000000000	0.01	\$715.5
1-3013-37	ZTA-20000000000000N	20000000000000	0.01	\$715.5
1-3013-38	ZTA-50000000000000N	50000000000000	0.01	\$715.5
1-3013-39	ZTA-100000000000000N	100000000000000	0.01	\$715.5
1-3013-40	ZTA-200000000000000N	200000000000000	0.01	\$715.5
1-3013-41	ZTA-500000000000000N	500000000000000	0.01	\$715.5
1-3013-42	ZTA-1000000000000000N	1000000000000000	0.01	\$715.5
1-3013-43	ZTA-2000000000000000N	2000000000000000	0.01	\$715.5
1-3013-44	ZTA-5000000000000000N	5000000000000000	0.01	\$715.5
1-3013-45	ZTA-10000000000000000N	10000000000000000	0.01	\$715.5
1-3013-46	ZTA-20000000000000000N	20000000000000000	0.01	\$715.5
1-3013-47	ZTA-50000000000000000N	50000000000000000	0.01	\$715.5
1-3013-48	ZTA-100000000000000000N	100000000000000000	0.01	\$715.5
1-3013-49	ZTA-200000000000000000N	200000000000000000	0.01	\$715.5
1-3013-50	ZTA-500000000000000000N	500000000000000000	0.01	\$715.5
1-3013-51	ZTA-1000000000000000000N	1000000000000000000	0.01	\$715.5
1-3013-52	ZTA-2000000000000000000N	2000000000000000000	0.01	\$715.5
1-3013-53	ZTA-5000000000000000000N	5000000000000000000	0.01	\$715.5
1-3013-54	ZTA-10000000000000000000N	10000000000000000000	0.01	\$715.5
1-3013-55	ZTA-20000000000000000000N	20000000000000000000	0.01	\$715.5
1-3013-56	ZTA-50000000000000000000N	50000000000000000000	0.01	\$715.5
1-3013-57	ZTA-100000000000000000000N	100000000000000000000	0.01	\$715.5
1-3013-58	ZTA-200000000000000000000N	200000000000000000000	0.01	\$715.5
1-3013-59	ZTA-500000000000000000000N	500000000000000000000	0.01	\$715.5
1-3013-60	ZTA-1000000000000000000000N	100		

TEMPERATURE LOGGER(Ordatori Jr.)

Order No.	Model No.	Measurement Item	Measurement Range	Reference Price
1-0024-21	TR-01	1	40~100	\$96.4
1-0024-22	TR-02	1	40~150	\$111.5
1-0024-23	TR-03	2	40~100	\$96.4
1-0024-24	TR-04	2	40~150	\$111.5

• Possible to use it in various environment such as outdoor-cool-district-refrigerator-freezer.

- Specification
- Underwater Sensor (TR-01/02)
 - Measuring Temperature Range : 40~150℃
 - Sensor Material : Fluoropolymer (PTFE) sheathing
 - Waterproof Performance : IP68
 - Cable Length : 4m
 - Communication Port (TR-03/04) :
 - RS-485 (Modbus RTU) : Between PCs/LAN
 - RS-485 (Modbus RTU) : Between Data Loggers / Optical Communication
 - Power Supply : Supply from USB
 - Accessories : Communication Cable/Software



DATA LOGGER

Order No.	Model No.	Measurement Item	Measurement Range	Reference Price
1-0024-25	DL-01	approx. 100~1000	approx. 100	\$228.4

• DC power cable and battery pack are optional.

- This data logger is capable of obtaining temperature, humidity and voltage data on up to 10 channels.
- Device is equipped with 4.3inch TFT color LCD display that is easy to read.
 - Device is equipped with USB interface, allowing you to connect it to PC.
 - Device can be equipped with optional wireless LAN unit.

- Specification
- Measuring Range : Voltage / 20~50~100~200~500mV, 1~2~5~10~20~50~100V, 1~5V/5%, Temperature / Thermocouples, K, J and Other, Humidity / 0~100%
 - Input Channel : Analog / 1ch, Pulse / 4ch or Logic / 4ch
 - Analog Input Terminal : 100 Screw Terminal
 - Sampling Frequency : 100~1Hz (10~500Hz for voltage only, channel restrictions apply according to sampling frequency)
 - Insulated Input on All Channels
 - Built-in Memory : 4GB
 - Display Content : Analog Waveform/Bar Data Display during Measurement, Digital Values
 - Applicable OS : Windows/Windows 7/8/8.1/10
 - Power Supply : AC100~240V, 50/60Hz (AC adapter included) or DC Input (EX-5 3V)



CONDUCTIVITY METER

Order No.	Model No.	Measurement Item	Measurement Range	Reference Price
1-0024-26	AC-01	0~9999	0~9999	\$29.7

- Specification
- Measuring Item : Conductivity/Temperature
 - Accuracy : ±2%
 - Resolution : Conductivity : 1 μS/cm, Temperature : 0.1℃
 - Dimensions : 150x30x13mm
 - Weight : 43.5g
 - Functions : Automatic Temperature Correction/Automatic Power off/Data Hold
 - Power Supply : CR2032 Battery x 1 (included for testing)

RESIDUAL CHLORINE ANALYZER

Order No.	Model No.	Measurement Item	Measurement Range	Reference Price
1-0024-27	RC-01	0~99.9	0.05~2.0	\$29.1
1-0024-28	RC-02	0~99.9	0.05~2.0	\$29.1
1-0024-29	RC-03	0~99.9	0.05~2.0	\$29.1
1-0024-30	RC-04	0~99.9	0.05~2.0	\$29.1
1-0024-31	RC-05	0~99.9	0.05~2.0	\$29.1
1-0024-32	RC-06	0~99.9	0.05~2.0	\$29.1
1-0024-33	RC-07	0~99.9	0.05~2.0	\$29.1
1-0024-34	RC-08	0~99.9	0.05~2.0	\$29.1
1-0024-35	RC-09	0~99.9	0.05~2.0	\$29.1
1-0024-36	RC-10	0~99.9	0.05~2.0	\$29.1

- It is convenient to carry entering vinyl case.
- Test with stability with standard ratio color board is made.
 - Residual chlorine of drinking water and pool city water can be measured easily, and it is useful for health administration.

- Specification
- Measuring Range : 0.05~0.1~0.2~0.3~0.4~0.5~0.6~0.8~1.0~1.2~1.5~2.0mg/L
 - Dimensions : Case/52x52x172mm, Body/52x34x157mm • Weight : 53.3g
 - Set Contents
 - Measuring Tool : Square-shaped Tube x 3pieces
 - CPE Reagent x 100times (10 only)

PACK TEST® (simplified water quality tester)

Order No.	Model No.	Measurement Item	Measurement Range	Reference Price
1-0024-37	WAK-01	pH	5.0~9.0	\$14.6
1-0024-38	WAK-02	pH	5.0~9.0	\$14.6
1-0024-39	WAK-03	pH	5.0~9.0	\$14.6
1-0024-40	WAK-04	Hardness (Calcium and Magnesium)	0~100	\$14.6
1-0024-41	WAK-05	Hardness (Calcium and Magnesium)	0~100	\$14.6
1-0024-42	WAK-06	Hardness (Calcium and Magnesium)	0~100	\$14.6
1-0024-43	WAK-07	Hardness (Calcium and Magnesium)	0~100	\$14.6
1-0024-44	WAK-08	Hardness (Calcium and Magnesium)	0~100	\$14.6
1-0024-45	WAK-09	Hardness (Calcium and Magnesium)	0~100	\$14.6
1-0024-46	WAK-10	Hardness (Calcium and Magnesium)	0~100	\$14.6
1-0024-47	WAK-11	Hardness (Calcium and Magnesium)	0~100	\$14.6
1-0024-48	WAK-12	Hardness (Calcium and Magnesium)	0~100	\$14.6
1-0024-49	WAK-13	Hardness (Calcium and Magnesium)	0~100	\$14.6
1-0024-50	WAK-14	Hardness (Calcium and Magnesium)	0~100	\$14.6
1-0024-51	WAK-15	Hardness (Calcium and Magnesium)	0~100	\$14.6
1-0024-52	WAK-16	Hardness (Calcium and Magnesium)	0~100	\$14.6
1-0024-53	WAK-17	Hardness (Calcium and Magnesium)	0~100	\$14.6
1-0024-54	WAK-18	Hardness (Calcium and Magnesium)	0~100	\$14.6
1-0024-55	WAK-19	Hardness (Calcium and Magnesium)	0~100	\$14.6
1-0024-56	WAK-20	Hardness (Calcium and Magnesium)	0~100	\$14.6
1-0024-57	WAK-21	Hardness (Calcium and Magnesium)	0~100	\$14.6
1-0024-58	WAK-22	Hardness (Calcium and Magnesium)	0~100	\$14.6
1-0024-59	WAK-23	Hardness (Calcium and Magnesium)	0~100	\$14.6
1-0024-60	WAK-24	Hardness (Calcium and Magnesium)	0~100	\$14.6
1-0024-61	WAK-25	Hardness (Calcium and Magnesium)	0~100	\$14.6
1-0024-62	WAK-26	Hardness (Calcium and Magnesium)	0~100	\$14.6
1-0024-63	WAK-27	Hardness (Calcium and Magnesium)	0~100	\$14.6
1-0024-64	WAK-28	Hardness (Calcium and Magnesium)	0~100	\$14.6
1-0024-65	WAK-29	Hardness (Calcium and Magnesium)	0~100	\$14.6
1-0024-66	WAK-30	Hardness (Calcium and Magnesium)	0~100	\$14.6
1-0024-67	WAK-31	Hardness (Calcium and Magnesium)	0~100	\$14.6
1-0024-68	WAK-32	Hardness (Calcium and Magnesium)	0~100	\$14.6
1-0024-69	WAK-33	Hardness (Calcium and Magnesium)	0~100	\$14.6
1-0024-70	WAK-34	Hardness (Calcium and Magnesium)	0~100	\$14.6
1-0024-71	WAK-35	Hardness (Calcium and Magnesium)	0~100	\$14.6
1-0024-72	WAK-36	Hardness (Calcium and Magnesium)	0~100	\$14.6
1-0024-73	WAK-37	Hardness (Calcium and Magnesium)	0~100	\$14.6
1-0024-74	WAK-38	Hardness (Calcium and Magnesium)	0~100	\$14.6
1-0024-75	WAK-39	Hardness (Calcium and Magnesium)	0~100	\$14.6
1-0024-76	WAK-40	Hardness (Calcium and Magnesium)	0~100	\$14.6
1-0024-77	WAK-41	Hardness (Calcium and Magnesium)	0~100	\$14.6
1-0024-78	WAK-42	Hardness (Calcium and Magnesium)	0~100	\$14.6
1-0024-79	WAK-43	Hardness (Calcium and Magnesium)	0~100	\$14.6
1-0024-80	WAK-44	Hardness (Calcium and Magnesium)	0~100	\$14.6
1-0024-81	WAK-45	Hardness (Calcium and Magnesium)	0~100	\$14.6
1-0024-82	WAK-46	Hardness (Calcium and Magnesium)	0~100	\$14.6
1-0024-83	WAK-47	Hardness (Calcium and Magnesium)	0~100	\$14.6
1-0024-84	WAK-48	Hardness (Calcium and Magnesium)	0~100	\$14.6
1-0024-85	WAK-49	Hardness (Calcium and Magnesium)	0~100	\$14.6
1-0024-86	WAK-50	Hardness (Calcium and Magnesium)	0~100	\$14.6

Recommended for frequent measurements!

PACK TEST® (simplified water quality tester)

Order No.	Model No.	Measurement Item	Measurement Range	Reference Price
1-0024-87	PK-01	Hardness (Calcium and Magnesium)	0~100	\$82.8
1-0024-88	PK-02	Hardness (Calcium and Magnesium)	0~100	\$82.8
1-0024-89	PK-03	Hardness (Calcium and Magnesium)	0~100	\$82.8
1-0024-90	PK-04	Hardness (Calcium and Magnesium)	0~100	\$82.8
1-0024-91	PK-05	Hardness (Calcium and Magnesium)	0~100	\$82.8
1-0024-92	PK-06	Hardness (Calcium and Magnesium)	0~100	\$82.8
1-0024-93	PK-07	Hardness (Calcium and Magnesium)	0~100	\$82.8
1-0024-94	PK-08	Hardness (Calcium and Magnesium)	0~100	\$82.8
1-0024-95	PK-09	Hardness (Calcium and Magnesium)	0~100	\$82.8
1-0024-96	PK-10	Hardness (Calcium and Magnesium)	0~100	\$82.8



How to use Pack Test



This tip can be used for test tubes.

pH METER

Order No.	Model No.	Measuring Range	Reference Price
1-062-01	AS800	pH-T	\$79.1
1-062-02	AS815	Replacement pH Sensor	\$42.7

- Specification**
- Measuring Range: pH: 1.00 ~ 13.00, Temperature: 2 ~ 60°C
 - Resolution: pH: 0.01, Temperature: 0.1°C
 - Accuracy: pH: ± 0.01 , Temperature: $\pm 0.5^\circ\text{C}$
 - Probe: 1.5 m, 3.0 m, 6.0 m, 9.0 m, 12.0 m
 - Auto power-off / Hold / Function provided
 - Power Supply: CR2032 Battery (3 pieces included for testing)
 - Dimensions: 29 x 14 x 14 mm
 - Weight: 43 g
 - Dust/Waterproof: IP67
- Accessories**
- pH Standard Solution (4.01, 6.86, 9.18) (each 10 mL)
 - Portable Case
 - Electrode Storage Solution (10 mL) x 1 bottle
 - CR2032 Battery x 3 (included)

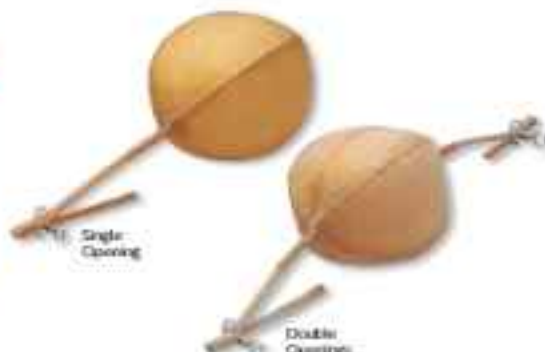


AS ONE ORIGINAL

GAS SAMPLING BAG (Product Made of Natural Rubber)

Order No.	Size (mm)	Opening	Reference Price
1-063-01	1	Single Opening	\$20.3
1-063-02	2	Single Opening	\$20.5
1-063-03	3	Single Opening	\$20.9
1-063-04	4	Single Opening	\$21.3
1-063-05	5	Single Opening	\$21.7
1-063-06	6	Single Opening	\$22.1
1-063-07	7	Single Opening	\$22.5
1-063-08	8	Single Opening	\$22.9
1-063-09	9	Single Opening	\$23.3
1-063-10	10	Single Opening	\$23.7
1-063-11	11	Single Opening	\$24.1
1-063-12	12	Single Opening	\$24.5
1-063-13	13	Single Opening	\$24.9

- Since good natural rubber is used, operation is convenient for easy and precise analysis.



Reliable Tedlar® film is used.



AS ONE ORIGINAL

TEDLAR® BAG

Order No.	Size (mm)	Opening	Reference Price
1-064-01	1	Single Opening	\$14.5
1-064-02	2	Single Opening	\$14.9
1-064-03	3	Single Opening	\$15.3
1-064-04	4	Single Opening	\$15.7
1-064-05	5	Single Opening	\$16.1
1-064-06	6	Single Opening	\$16.5
1-064-07	7	Single Opening	\$16.9
1-064-08	8	Single Opening	\$17.3
1-064-09	9	Single Opening	\$17.7
1-064-10	10	Single Opening	\$18.1
1-064-11	11	Single Opening	\$18.5
1-064-12	12	Single Opening	\$18.9
1-064-13	13	Single Opening	\$19.3
1-064-14	14	Single Opening	\$19.7
1-064-15	15	Single Opening	\$20.1
1-064-16	16	Single Opening	\$20.5
1-064-17	17	Single Opening	\$20.9
1-064-18	18	Single Opening	\$21.3
1-064-19	19	Single Opening	\$21.7
1-064-20	20	Single Opening	\$22.1
1-064-21	21	Single Opening	\$22.5
1-064-22	22	Single Opening	\$22.9
1-064-23	23	Single Opening	\$23.3
1-064-24	24	Single Opening	\$23.7
1-064-25	25	Single Opening	\$24.1
1-064-26	26	Single Opening	\$24.5
1-064-27	27	Single Opening	\$24.9
1-064-28	28	Single Opening	\$25.3
1-064-29	29	Single Opening	\$25.7
1-064-30	30	Single Opening	\$26.1
1-064-31	31	Single Opening	\$26.5
1-064-32	32	Single Opening	\$26.9
1-064-33	33	Single Opening	\$27.3
1-064-34	34	Single Opening	\$27.7
1-064-35	35	Single Opening	\$28.1
1-064-36	36	Single Opening	\$28.5
1-064-37	37	Single Opening	\$28.9
1-064-38	38	Single Opening	\$29.3
1-064-39	39	Single Opening	\$29.7
1-064-40	40	Single Opening	\$30.1
1-064-41	41	Single Opening	\$30.5
1-064-42	42	Single Opening	\$30.9
1-064-43	43	Single Opening	\$31.3
1-064-44	44	Single Opening	\$31.7
1-064-45	45	Single Opening	\$32.1
1-064-46	46	Single Opening	\$32.5
1-064-47	47	Single Opening	\$32.9
1-064-48	48	Single Opening	\$33.3
1-064-49	49	Single Opening	\$33.7
1-064-50	50	Single Opening	\$34.1
1-064-51	51	Single Opening	\$34.5
1-064-52	52	Single Opening	\$34.9
1-064-53	53	Single Opening	\$35.3
1-064-54	54	Single Opening	\$35.7
1-064-55	55	Single Opening	\$36.1
1-064-56	56	Single Opening	\$36.5
1-064-57	57	Single Opening	\$36.9
1-064-58	58	Single Opening	\$37.3
1-064-59	59	Single Opening	\$37.7
1-064-60	60	Single Opening	\$38.1
1-064-61	61	Single Opening	\$38.5
1-064-62	62	Single Opening	\$38.9
1-064-63	63	Single Opening	\$39.3
1-064-64	64	Single Opening	\$39.7
1-064-65	65	Single Opening	\$40.1
1-064-66	66	Single Opening	\$40.5
1-064-67	67	Single Opening	\$40.9
1-064-68	68	Single Opening	\$41.3
1-064-69	69	Single Opening	\$41.7
1-064-70	70	Single Opening	\$42.1
1-064-71	71	Single Opening	\$42.5
1-064-72	72	Single Opening	\$42.9
1-064-73	73	Single Opening	\$43.3
1-064-74	74	Single Opening	\$43.7
1-064-75	75	Single Opening	\$44.1
1-064-76	76	Single Opening	\$44.5
1-064-77	77	Single Opening	\$44.9
1-064-78	78	Single Opening	\$45.3
1-064-79	79	Single Opening	\$45.7
1-064-80	80	Single Opening	\$46.1
1-064-81	81	Single Opening	\$46.5
1-064-82	82	Single Opening	\$46.9
1-064-83	83	Single Opening	\$47.3
1-064-84	84	Single Opening	\$47.7
1-064-85	85	Single Opening	\$48.1
1-064-86	86	Single Opening	\$48.5
1-064-87	87	Single Opening	\$48.9
1-064-88	88	Single Opening	\$49.3
1-064-89	89	Single Opening	\$49.7
1-064-90	90	Single Opening	\$50.1
1-064-91	91	Single Opening	\$50.5
1-064-92	92	Single Opening	\$50.9
1-064-93	93	Single Opening	\$51.3
1-064-94	94	Single Opening	\$51.7
1-064-95	95	Single Opening	\$52.1
1-064-96	96	Single Opening	\$52.5
1-064-97	97	Single Opening	\$52.9
1-064-98	98	Single Opening	\$53.3
1-064-99	99	Single Opening	\$53.7
1-064-100	100	Single Opening	\$54.1

The price per bag is shown.

- The Tedlar® Bag is a sampling bag for gas analysis made of polyvinyl fluoride resin and shows excellent resistance to various inorganic gases and organic solvents.
- Tedlar® (polyvinyl fluoride resin) film has extremely low gas permeability and adsorption properties, making the product suitable as a gas collection bag.

- Specification**
- Material: Tedlar® (polyvinyl fluoride resin)
 - Thickness: 0.05 mm
 - Nozzle Diameter: 4.5 mm (1.77 in) and 6.0 mm (2.36 in)



ILLUMINANCE METER

Order No.	Model No.	Measuring Range	Reference Price
1-065-01	TM-200	Illuminance Meter	\$17.4
1-065-02	TM-200M	Replacement pH Sensor	\$242.5

- Specification**
- TM-200M Sensor Dimensions: 1.0 x 0.8 x 2.0 mm
- | Order No. | Model No. | Measuring Range | Reference Price |
|-----------|-----------|-----------------------|-----------------|
| 1-065-01 | TM-200 | Illuminance Meter | \$17.4 |
| 1-065-02 | TM-200M | Replacement pH Sensor | \$242.5 |
- Specification**
- Model No.: TM-200
 - Measuring Range: 0 ~ 100000 lux
 - Resolution: 0.1 lux
 - Accuracy: $\pm 5\%$
 - Power Supply: CR2032 Battery (3 pieces included for testing)
 - Dimensions: 29 x 14 x 14 mm
 - Weight: 43 g

SOUND LEVEL METER

Order No.	Model No.	Measuring Range	Reference Price
1-066-01	AS804	A-weighted 30 ~ 130 dB	\$55.7
1-066-02	AS804	A-weighted 30 ~ 130 dB	\$73.8

- AS804 is compact and portable device.
- AS804 is equipped with bar display to allow you to directly see the reading.
- Specification**
- Wavelength Range: 12.5 Hz ~ 8 kHz
 - Resolution: 0.1 dB
 - Dimensions: AS804: 20 x 25 x 125 mm, AS804A: 25 x 33 x 125 mm
 - Sampling Rate: AS804: 20 times/second, AS804A: 20 times/second
 - Weight: AS804: 20 g, AS804A: 25 g
 - Functions: MAX, MIN, HOLD, LOCK, LOW BATTERY INDICATOR
 - Power Supply: AS804: AAA Battery (included for testing), AS804A: AA Battery (included for testing)



WATER ACTIVITY MEASUREMENT DEVICE

Order No.	Model No.	Type	Reference Price
1-067-01	MD-AW1	Measurement only	\$947.4
1-067-02	MD-AW2	With single memory (for 20 items)	\$1054.4
1-067-03	MD-AW3	Logging available (for 999 items)	\$1205
1-067-04	MD-AW4	With inspection certificate	\$1016.2
1-067-05	MD-AW5	With inspection certificate	\$1125.2
1-067-06	MD-AW6	With inspection certificate	\$1280.2
1-067-07	Replacement pH Sensor	One box (100 pairs) (AS804)	\$7.4

AS804 is equipped with an inspection certificate. AS804A offers a certificate that provides a product with AS ONE's original inspection certificate attached to it.

- Specifications**
- Main Unit Material: SUS304
 - Measurement Method: Capacitance humidity sensor
 - Measurement Range: 0 to 1.00 Aw
 - Measurement Accuracy: 0 to 0.9 Aw (± 0.01 Aw) and other than 0 to 0.9 Aw (± 0.04 Aw) (Sample and ambient temperature at 25°C)
 - Resolution: 0.01 Aw
 - Power Supply: Two AA dry cell batteries (not included)
 - Accessories: 100 Sample Caps (optional), PS-100 Sample Caps (optional), and a USB cable with a length of 1 m (AWD only)
 - Replacement Parts: One box (100 pairs) (AS804)
 - Main Unit Size: 120 x 60 x 58 mm
 - Weight: 0.8 kg (including battery)

Compact and convenient and can measure water activity over a wide range.



Easy-to-operate viscometer!

TOUCH PANEL VISCOMETER

Order No.	Month No.	Measured range (H ₂ O)	Measured range (CO ₂)	Reference Price
A-2022-01	A1-051	0-2,000,000	0-100	\$2410
A-2022-01	B1-01		Net 3 months	\$685.3

in the PKs, it is critical to require for a two-dimensional layout up to 10000.

- Equipped with a 5-inch touch panel for ease of operation and accuracy.
- By increasing the density, it is automatically converted to kinematic viscosity.
- Displays measurement results in real time.
- Viscosity display units can be selected from four types.
- The measurement range can be set as desired and has a function to hold the last measured value.

- **Specifications:**
 - Resolution: 1 mbar
 - Precision: $\pm 1.0\%$ (F.S.)
 - Repeatability: $\pm 0.05\%$ (F.S.)
 - Rotation Speed: 0.5, 1.0, 1.5, 3, 5, 12, 30, and 60 (rpm)
 - FS Torque: 673.7 dyne-cm
 - Wetted Part Material: SUS304
 - Power Supply: 100 to 240 VAC (AC adapter)
 - Size: 285 x 300 x 345 mm (max.)
 - Weight: Approx. 5.5 kg (including stand)
 - Accessories: Standard Spreader 8, 1, 12, 13, and 14; guard frame, PTFE probe, stand, AC adapter, and carrying case



VISCOMETER

Cellar No.	Stocked File	Populations	Substitution Price
1-502-32	VT-06	For High 33000	\$1355.6
1-505-05	VA-04	Hand	\$139.6
1-502-07	Nu. 1 Cap	For VT-06, 332.5	\$58.7
1-502-08	Nu. 1 Rod	334.5/5/1000	\$23.1
1-502-09	Nu. 2 Rod	335.5/10/1000	\$12.1
1-502-10	Nu. 1 Rod	336.5/10/1000	\$20.3

- Compact and light in weight allowing one-handed handling.
- Achieved easy measuring and less error, because measuring range is decided based on rotor to be used.

- **Specification**
- **Measuring Range** : VT 0L~5.3 /4000A rms,
No. 3 Inter-locked with No.3 cap+ /0.3~1.3A rms,
No.1 Inter-locked 2500ms breaker at contained /3~1000A rms,
No.2 Inter-locked 2500ms breaker at contained /100~4000A rms
- **Sample Voltage** : No.1 / 2 Return : approx. 750mV (max), 10000mV (break),
No.1 / 2 Sense : approx. 150mV (max) (see No.2 cap)
- **Actuation Speed** : 6.2 Sec
- **Return and Cap Material** : No.1 / 2 Return and No.3 Cap :
Stainless Steel (SUS304)
- **Power Supply** : AA Battery x 6 (noted for testing) or
AC Adaptor (VA 500V included)
- **Dimensions** : 170 x 77 x 40mm
- **Weight** : approx. 160g

- **Accessories:**
- Water No. 1-3-3x1 (4'x4')
- No. 3-3x1
- Length Compensation Rope (total length: Approx. 3000mm (1300"x30"))



HANDHELD DENSITY METER

Order No.	Model No.	Measurement range (input power)	Measurement accuracy (input power)	Reference Price
1-5801-21	DMA15	0-4 g/cm ² /0-400 mPa 0-1000 mPa	0.001 g/cm ² /0.2%	\$1498.7

- A measured value can be converted to any unit, density, and specific gravity values at any temperature.
- At least 1000 measurement results can be stored.
- Easy to operate, one-handed measurement is possible.
- The drip- and moisture-proof construction allows safe measurements.
- Wetted parts are made of chemical-resistant glass and Teflon®.

- **Shipping (Info):** Dry, alcohol extract. Basal medium, Plate, API weight, API specific gravity, API density, 1000 N/m², and density of reference temperature
- **Data Memory:** 1000 times or more
- **Size:** 245 x 105 x 126 mm
- **Power Supply:** Three AA dry cell batteries (four batteries provided)
- **Sample Volume:** Approx. 2 ml
- **Interface:** Bluetooth and USB
- **Weight:** 560 g
- **Production:** 2008



HYDROMETER

Rate	5-5000 (small pool)				5-10000 (small)			
	Rate	Adjusted Rate	Minimum Price	Rate	Adjusted Rate	Minimum Price	Rate	
	-51	(small 10 price set (7 set))	\$198.9	-41	(large 10 price set (7 set))	\$1257.7		
0.000 - 0.250	-41	19.1	\$199.2	-31	192.1	\$1257.7		
0.250 - 0.500	-31	19.2	\$199.5	-21	192.2	\$1257.7		
0.500 - 0.750	-21	19.3	\$199.8	-11	192.3	\$1257.7		
0.750 - 1.000	-11	19.4	\$200.1	0	192.4	\$1257.7		
1.000 - 1.250	0	19.5	\$200.4	11	192.5	\$1257.7		
1.250 - 1.500	11	19.6	\$200.7	21	192.6	\$1257.7		
1.500 - 1.750	21	19.7	\$201.0	31	192.7	\$1257.7		
1.750 - 2.000	31	19.8	\$201.3	41	192.8	\$1257.7		
2.000 - 2.250	41	19.9	\$201.6	51	192.9	\$1257.7		
2.250 - 2.500	51	20.0	\$201.9	61	193.0	\$1257.7		
2.500 - 2.750	61	20.1	\$202.2	71	193.1	\$1257.7		
2.750 - 3.000	71	20.2	\$202.5	81	193.2	\$1257.7		
3.000 - 3.250	81	20.3	\$202.8	91	193.3	\$1257.7		
3.250 - 3.500	91	20.4	\$203.1	101	193.4	\$1257.7		
3.500 - 3.750	101	20.5	\$203.4	111	193.5	\$1257.7		
3.750 - 4.000	111	20.6	\$203.7	121	193.6	\$1257.7		
4.000 - 4.250	121	20.7	\$204.0	131	193.7	\$1257.7		
4.250 - 4.500	131	20.8	\$204.3	141	193.8	\$1257.7		
4.500 - 4.750	141	20.9	\$204.6	151	193.9	\$1257.7		
4.750 - 5.000	151	21.0	\$204.9	161	194.0	\$1257.7		

- **Specifications**
 - Materials: Glass and Wood
 - Dimensions: 100mm (small size) and approx. 200mm (large size)
 - Minimum Scale: 0.003 (small size) and 0.001 (large size)
- **Accessories**
 - Case: 1 Micro Stand, x 1



Standard refractometer series offered at low prices.



INFRARED MOISTURE METER

Case No.	Case Name	Case Status	Case Type	Case Date
1-1111-11	1111-1111	100	1111-11	111111

- With wide weighing pan (120mm), accurate measuring can be performed in short time by putting a lot of samples thinly and uniformly.
- Excellent middle wavelength infrared rays quartz heater in dry efficiency of wide-ranging sample is adopted.
- Mounted patent "Window" direct link function, which can be downloaded measured data of balance to Excel® etc. without using communication software. Connection cable is sold separately.

- **Specifications**
 - **Min. Indication:** Moisture Percentage: 0.01%, Mass: 0.001 g.
 - **Measuring Accuracy:** Calculated Value (sample mass 5g or more; 10g or more) $\pm 0.009\%$, $\pm 0.01\%$, Reproducibility: (sample mass: 10g or more) $\pm 0.006\%$, $\pm 0.008\%$.
 - **Measuring Unit:** Moisture (wet basis) % or Solid Content (Mass %)
 - **Temperature Setting Range:** 50° - 200°C (1°C step)
 - **Work Dimensions:** 220 x 415 x 160mm ■ **Weight:** 8.6kg
 - **Power Supply:** AC100 - 120 / 220 - 240V (50/60Hz) 500W
 - **Voltage:** Variable Voltage Transformer, Current Control: Touchless
 - **Interface:** RS232C ■ **Applicable OS:** Windows®2000/XP/Vista®
- **Accessories**
 - Sample Pan, 2 ■ Sample Pan Holder ■ Spoon ■ Spatula
 - Spare Fuse ■ Aluminum Sheet x 30 ■ Dust Cover
 - Power Supply Cord (2m)

HANDHELD REFRACTOMETER

Order No.	Material No.	Qty	Acctg. No.	UoM	Description	Weight (kg)	Reference Price
3-4280-01	RAG 110 3-10						\$78.1
3-4280-02	RAG 110 3-10						\$78.1
3-4280-03	RAG 20 3-10	0.3	0.1	40-40=198	176		\$79.1
3-4280-04	RAG 32 3-10	0.3	0.3	40-40=178	148		\$79.1
3-4280-05	RAG 50 3-10	0.1	0.1	40-40=160			\$79.1
3-4280-06	RAG 60 3-10			40-40=115	140		\$79.1
3-4280-07	RAG 62 3-10	0.2	0.2	40-40=160			\$79.1
3-4280-08	RAG 82 3-10	0.1	0.1	40-40=137	110		\$79.1
3-4280-10	RAG 92 3-10	0.2	0.2				\$79.1

- **Specification**
- **WiFi** Automatic Temperature Correction Function (including WAX-6)
- **Accessories** Scale Adjusting Screws (4), Dropper, Storage Case

RUBBER DUROMETER

Order No.	Product No.	Quantity	Amount in Price
000001	000001	100000	\$100.00

- Reading is easy because of all circle division-into-equal-parts scales (1° per graduation).
- Principal part bearing is containing jewelry and is excellent in repetition accuracy and durability.
- It can attach also to existing auxiliary device with scalped screw of head attachment knob.

- Measuring Object: CC-7014a/2-piece Full-Soft Rubber Hard Farm-Club



Simple-to-operate stereo microscope



LED ZOOM STEREO MICROSCOPE

Order No.	Model No.	Overall length (mm)	Specimen Size (mm)	Reference Price
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- An easy-to-use versatile microscope.
- A handle is provided for ease of carrying.
- The trinocular model comes with a C-mount adapter.

Specifications

- Optical: Greenough type
- Stage: 264 x 210 mm
- Eyepiece: 10x (20 fields of view)
- Lighting: Filling light/Through light 3W LED (light volume adjustment possible)
- Zoom Ratio: 1.5:4
- Lighting Power Supply: 100 to 240 VAC
- Mirror Mount: Tilt angle of 40°
- Working Distance: 120 mm
- Interocular Adjustment Range: 25 to 75 mm
- Main Unit Size: 205 x 260 x 350 mm
- Weight: Approx. 3.8 kg

Ergonomic design excellent in usability and portability.



LED PLAN LENS BIOLOGICAL MICROSCOPE

Order No.	Model No.	Overall length (mm)	Specimen Size (mm)	Reference Price
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*Mount adapter C-mount adapter from 3400-T1-13.

- Ergonomic design excellent in usability and portability.
- Adopts plan achromatic objective lenses, providing bright and vivid high-contrast images.
- Also possible to use cordlessly by charging the integrated battery.

Specification

- Eyepiece: 10x (field No. 1.6)
- Objective lens: 4x / NA 0.1, 10x / NA 0.25, 40x / NA 0.65, 50x / NA 0.75, 100x / NA 1.25 (oil)
- Lens Tube Type: Inclination Angle 45°
- Interocular Range: 54 - 74 mm
- Light Power Source: AC100 - 240V 50/60Hz
- Condenser: A650 Type (NA 1.25)
- Light Power Source: LED Light
- Dimensions: Body / 236 x 151 x 362 mm / Stage / 143 x 120 mm
- Weight: approx. 5kg

- Points: integrates nickel-hydrogen battery rechargeable up to 500 times. Workable for 20,000 hours. The charging process stops automatically when the battery is fully charged. Provides design for better portability. Adopts ball bearing superior in durability. With rechargeable battery, it can be used even without power source.

AS ONE ORIGINAL
100W

MICROSCOPE

Order No.	Model No.	Overall length (mm)	Specimen Size (mm)	Reference Price
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*The built-in LED light and the built-in lens. *The built-in LED light and the built-in lens.

- Suitable for inspection and measurement at factory production sites and laboratory observational studies.
- Easy to operate and can be used for student experiments.

Specifications

- 20x: 150 mm (cylinder length) and 40 mm (base diameter)
- Working Distance: 4.93 mm (20x), 17.4 mm (40x), and 17.7 mm (20x)
- Eyepiece Reticle: 0.1 mm
- Focus Adjustment Range: 30 mm
- 0.2x: 0.01 mm, 0.02 mm, 0.025 mm, and 0.05 mm
- Viewing Angle: 0.25 mm (20x), 0.12 mm (40x), 0.1 mm (20x), and 0.05 mm (20x)
- Eyepiece: 10x with cross stroke
- Illumination Source: Penlight (AAA dry cell batteries x 3)



FIBER LIGHT GUIDE

Order No.	Model No.	Overall length (mm)	Specimen Size (mm)	Reference Price
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- The light guide cable is made of high-quality optical fiber and is suitable for use in a wide range of environments.

Specifications

Model No.	Megalight 100W
Overall length of light guide	500 mm
Power cord	Approx. 2.0 m (TP with connector connector)
Power consumption	150W
Light type	LED 2V 150W
Light life (average life)	1000 hours
Dimensions	110 x 65 x 65 mm (approx.)
Light volume adjustment	Adjustable
Cable type / Cable temperature	White / 110°C
Cooling system	Forced air cooling
Size	75 x 235 x 120 mm
Weight	Approx. 1.3 kg
Accessories	AC power cable (Megalight 100W only)

- *1. The distance is the distance from the tip of the light guide cable to the tip of the light guide cable.
- *2. The distance is the distance from the tip of the light guide cable to the tip of the light guide cable.
- *3. The cable temperature is the value of the light intensity.

Great Deal

AS ONE ORIGINAL



USB-CONNECTED DIGITAL CAMERA FOR MICROSCOPY

Order No.	Model No.	Pixel Count	Reference Price
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- Simply connect the camera to a USB port on your computer to observe the video.
- Equipped with a live screen to observe images, save still images, and measure the distance between two points.

Specifications

- Image Sensor: 1/2.5 inch CMOS sensor
- Mount: C-mount (ø 25.4 mm and ø 30.5 mm)
- Supported OS: Windows 7/8/10/11
- Interface: USB 2.0
- Main Unit Size: ø 60 x 80 mm



WATERPROOF INDUSTRIAL ENDOSCOPE

Order No.	Model No.	Size (mm)	Reference Price
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- Flexible cables allow you to check the depth of even the smallest gaps.
- The probe is replaceable.
- Specifications:
 - Resolution: 640 x 480 pixels
 - Saving Format: JPEG and AVI
 - Focal length: 30 to 60 mm
 - Light Source: White LED
 - Memory: 16 MB (2 GB card is sold separately)
 - Display: 3.5 inch TFT LCD
 - Power Supply: Four AA dry cell batteries (sold separately)
 - Output: Waterproof IP67 (max. 1m)
 - Main Unit Weight: 500 g
 - Accessories: TV output cable and PC output USB cable



BLACK LIGHT

Order No.	Model No.	Dimensions (mm)	Type	Reference Price
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- This LED black light produces almost no visible light, and efficiently emits near-UV rays with strong sterilization effect.

Specification

- Light source: UV rays LED made by Philips/NITECH
- Body material: Aluminum
- Power supply: PW-LV141P-01 / AAA battery x 3 (sold separately), other / AAA battery x 3 (sold separately)
- UV rays wavelength: 375 nm

LOUPE

Order No.	Model No.	Dimensions (mm)	Reference Price
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- High-class loupe that enables high magnification inspection.
- 2032 is wide-field design with 2 plastic lenses.
- Specification:
 - Field Dia.: 1950-1960 / ø 25mm, 1962 / ø 19mm, 1964 / ø 17mm, 2032 / ø 19mm

MAGNIFIER LIGHT (Table Stand Type)

Order No.	Model No.	Dimensions (mm)	Reference Price
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- Provided with round lens made of optical glass in pursuit of usability.
- Available in wide model which uses wide lens with approx. 15% larger dia. suitable for inspection requiring wide field.
- Equipped with circular LED for light source allowing you to conduct inspection under uniform irradiation.
- Specification:
 - Lens Dia.: 2x / 4x / 10x / 20x / 40x / 60x / 80x / 100x / 120x / 150x / 200x / 250x / 300x / 350x / 400x / 450x / 500x / 550x / 600x / 650x / 700x / 750x / 800x / 850x / 900x / 950x / 1000x
 - Lens Constitution: 2x / 4x / 10x / 20x / 40x / 60x / 80x / 100x / 120x / 150x / 200x / 250x / 300x / 350x / 400x / 450x / 500x / 550x / 600x / 650x / 700x / 750x / 800x / 850x / 900x / 950x / 1000x
 - Power Supply: AC100 - 240V 50/60Hz (12V or higher voltage is required, plug must be changed)
 - Power Cord: 1.8m
 - Light Source: LED (design life: >40,000 hours)



Clear 9-mm-high numerals ensure excellent legibility.

AS ONE ORIGINAL



- Data can be entered into Excel by using a data transfer cable.
- Clear 9-mm-high numerals ensure excellent legibility.

DIGITAL VERNIER CALIPER

Order No.	Model No.	Measurement range (mm)	Accuracy (mm)	Reference Price
4-404-01	BDC100	100	±0.01	\$52
4-404-02	BDC150	150	±0.01	\$56
4-404-03	BDC200	200	±0.01	\$67.4
4-404-04	BDC300	300	±0.04	\$134.3
4-404-05	DA210	COMBINATION CALIPER		\$172.1
4-404-06-01	BDC100	With calibration certificate		\$77.6
4-404-06-02	BDC150			\$82.8
4-404-06-03	BDC200			\$109.3
4-404-06-04	BDC300			\$156.7

*Product 1 with a calibration certificate. Product 2 offers a certificate that provides a printed with AS ONE's original calibration certificate attached to it.

- Specifications
- Minimum Representation: 0.01 mm
- Power Supply: One 1.5V AAA battery (not battery provided)
- Material: Stainless steel

Model No.	BDC100	BDC150	BDC200	BDC300
Overall length	170mm	230mm	280mm	400mm
Outer jaw	30.5mm	40mm	50mm	60mm
Inner jaw	17.5mm	19.5mm	25.5mm	31.5mm
Weight	200g	320g	460g	730g



STANDARD CALIPER

Order No.	Model No.	Measurement range (mm)	Overall length (mm)	Reference Price
4-405-01	MAC100	100	150	\$31.6
4-405-02	MAC150	150	210	\$31.6
4-405-03	MAC200	200	290	\$42.2
4-405-04	MAC300	300	400	\$80.6
4-405-05-01	MAC100	With calibration certificate		\$38.7
4-405-05-02	MAC150			\$38.7
4-405-05-03	MAC200			\$68.3
4-405-05-04	MAC300			\$103.2

*Product 1 with a calibration certificate. Product 2 offers a certificate that provides a printed with AS ONE's original calibration certificate attached to it.

- Specifications
- Minimum Representation: 0.02 mm
- Material: Stainless steel

Model No.	MAC100	MAC150	MAC200	MAC300
Outer jaw	30mm	40mm	50mm	60mm
Inner jaw	10.5mm	14.5mm	18.5mm	21.5mm
Weight	125g	172g	420g	740g

STAINLESS STEEL WORKBENCH (Three-way frame)

Order No.	1-7803 (SLICK304)	1-7807 (SLICK304)	1-7808 (SLICK304, with drawers on one side)
1-7803-01	900 × 600 × 800 WTN 304	1,400 × 600 × 800 WTN 304	1,400 × 600 × 800 WTN 304
1-7803-02	900 × 750 × 800 WTN 304	1,400 × 750 × 800 WTN 304	1,400 × 750 × 800 WTN 304
1-7803-03	900 × 900 × 800 WTN 304	1,400 × 900 × 800 WTN 304	1,400 × 900 × 800 WTN 304
1-7803-04	1,200 × 600 × 800 WTN 304	1,700 × 600 × 800 WTN 304	1,700 × 600 × 800 WTN 304
1-7803-05	1,200 × 750 × 800 WTN 304	1,700 × 750 × 800 WTN 304	1,700 × 750 × 800 WTN 304
1-7803-06	1,200 × 900 × 800 WTN 304	1,700 × 900 × 800 WTN 304	1,700 × 900 × 800 WTN 304
1-7803-07	1,500 × 600 × 800 WTN 304	2,000 × 600 × 800 WTN 304	2,000 × 600 × 800 WTN 304
1-7803-08	1,500 × 750 × 800 WTN 304	2,000 × 750 × 800 WTN 304	2,000 × 750 × 800 WTN 304
1-7803-09	1,500 × 900 × 800 WTN 304	2,000 × 900 × 800 WTN 304	2,000 × 900 × 800 WTN 304
1-7803-10	1,800 × 600 × 800 WTN 304	2,300 × 600 × 800 WTN 304	2,300 × 600 × 800 WTN 304
1-7803-11	1,800 × 750 × 800 WTN 304	2,300 × 750 × 800 WTN 304	2,300 × 750 × 800 WTN 304
1-7803-12	1,800 × 900 × 800 WTN 304	2,300 × 900 × 800 WTN 304	2,300 × 900 × 800 WTN 304

*Product 1 with cabinet. Cabinet also available. Please contact us.

- Specifications
- Material: SUS304 (WTN type) and SLICK30 (WT and WOT type)
- Without Load (total load): Approx. 150 kg



SOLVENT STORAGE CABINET (UT-Lab.)

Order No.	Model No.	Dimensions (mm)	Weight (kg)	Reference Price
1-4080-01	SP1-UT	315×300×400	14.1	\$436.8
1-4080-02	SP2-UT	400×300×400	21.1	\$677.8
1-4080-03	SP3-UT	500×300×400	28.1	\$825.1
1-4080-04	SP4-UT	600×300×400	35.7	\$983.2

- Can keep neat desk because chemicals can be stored under desk.
- Can place necessary reagents within reach.
- Can safely manage chemicals with hinge metal fittings and lock.

- Specification
- Material: Steel (interior: baking paint)
- Lock and Fasten are provided
- Number of Places: SP1-UT/500ml Reagent Bottle 16pieces, SP2-UT/500ml Reagent Bottle 32pieces, SP3-UT/Upper tier 500ml Reagent Bottle 16pieces, Lower 1,000ml Reagent Bottle 16pieces, SP4-UT/Upper tier 500ml Reagent Bottle 16pieces, Lower 1,000ml Reagent Bottle 16pieces

*500ml Reagent Bottle Dimensions: φ77

New colors are added, classification is easier now!



WASTE LIQUID COLLECTION CONTAINER

Order No.	Color	Dimensions (mm)	Capacity (L)	Reference Price
1-4110-01	White (General Purpose)	350×300×400	28	\$163.3
1-4110-02	Blue (Dedicated for Acid)	350×300×400	28	\$181.1
1-4110-03	Red (Dedicated for Alkali)	350×300×400	28	\$181.1
1-4110-04	Yellow (Dedicated for Organic Solvent)	350×300×400	28	\$181.1
1-4110-05	Gray (Dedicated for General Purpose)	350×300×400	28	\$181.1
1-4110-06	White (General Purpose)	350×300×400	28	\$181.1
1-4110-07	Blue (Dedicated for Acid)	350×300×400	28	\$181.1
1-4110-08	Red (Dedicated for Alkali)	350×300×400	28	\$181.1
1-4110-09	Yellow (Dedicated for Organic Solvent)	350×300×400	28	\$181.1
1-4110-10	Gray (Dedicated for General Purpose)	350×300×400	28	\$181.1

*The price is per unit. *In the photo, the dedicated plate is an option.

- Specification
- Material: Body-Outer: 1.5mm Thick Steel Plate, Inner: 0.5mm Thick Steel Plate
- Capacity: 28L
- Funnel Dia.: φ100mm
- Dedicated Plate: 280mm × 300mm

*Quantity per case

*10 bottles (5-0.17 (3.3 only 5 bottles))



GLOVE BOX

Order No.	Model No.	Dimensions (mm)	Weight (kg)	Reference Price
1-1210-01	GLB100	600 × 640	24	\$1508.3
1-1210-02	GLB200	800 × 640	24	\$1534.3
1-1210-03	GLB300	1000 × 640	24	\$1534.3

- An integrally molded product with excellent airtightness, chemical resistance, and impact resistance.
- Incorporating a floor plate with a leveler for level adjustments in the chamber.
- Equipped with an overpressure safety valve that exhausts pressure in the event of an overpressure in the chamber.
- GLB100 has a power outlet (100V) inside the main unit.

- Specifications
- Material: PMMA (Acrylic) plate (main body and window, polycarbonate (inner and vacuum gauge mounting area))
- Power Cord Length: 1.8m (3-pin plug)
- Power Outlet Specification (GLB100 only): 100V AC, two outlets
- Accessories
- Fluorescent light (1 × 18 W) in the chamber
- Glove box gloves (large) × one pair
- Vacuum gauge × 1
- Gas Displacement Valve (for GLB100) × 2 (main unit), for GLB200 × 1 and GLB300 × 1 (glove box)

VACUUM DESICCATOR

Order No.	Model No.	Inner Dimension (mm)	Outer Dimension (mm)	Specification	Reference Price
1-001-01	10L Type	110×110×120	200×200×400	No Outlet with Outlet	\$1257.7
1-001-02	20L Type	110×110×120	200×200×400	No Outlet with Outlet	\$1468.6

- Specification**
- Material: Body: Transparent Reinforced PMMA (polymethyl methacrylate) Board Thickness: 25mm
 - Vacuum Vacuum Motor Attachment Part: PC (polycarbonate)
 - Electric Switch: 100V 15A (switch type) (MHC type only)
 - Shelf Board Dimensions: 250 x 250 x 10mm
 - Quantity of Shelf Board: 4 (shelf board interval: 20mm)
 - Shelf Board Withstand Load: approx. 5kg (equal load)
 - Capacity: 50L
 - Weight: 23kg
- Accessories**
- Vacuum Valve: Small / O.D. 4mm / Large / O.D. 14mm x 1 inch
 - Electric Switch (MHC): AC100V 15A 3P+N Square Dumb
 - Power Switch (MHC): Toggle Switch x 1
 - Vacuum Motor x 1
 - Shelf Board x 3
 - Safety Gel Plate x 1



AS ONE
100V



GLASS DESICCATOR

Order No.	Model No.	Inner Dimension (mm)	Outer Dimension (mm)	Reference Price
11-001-01	10L	110	140	\$28
11-001-02	20L	200	240	\$127.7
11-001-03	40L	400	470	\$479.1

- Specification**
- A high-quality soda lime glass product
 - Material: Soda lime glass

DESICCATOR (Made of PP/PC)

Order No.	Inner Dimension (mm)	Outer Dimension (mm)	Outer Height (mm)	Reference Price
12-001-01	110	171	Approx. 170	\$38.2
12-001-02	190	232	Approx. 300	\$51.6
12-001-03	240	276	Approx. 320	\$67.7
12-001-04	300	340	Approx. 400	\$116.4

- Specification**
- The lid is made of durable, clear polycarbonate for ease of observation inside.
 - Material: PP (push part and inner plate) and polycarbonate (lid) • With an inner plate

Overwhelming popularity! Popular Desiccators.



DESICCATOR

Order No.	Model No.	Outer Dimension (mm)	Inner Dimension (mm)	Reference Price
1-001-01	10L	110×110×120	200×200×400	\$138.6
1-001-02	20L	200×200×400	400×400×800	\$162.7
1-001-03	Replacement Shelf Board for 10L			\$9.8
1-001-04	Replacement Shelf Board for 20L			\$16.8

- By form of lid to uniform and it has very high airtightness.**

- Specification**
- Material: Body: Transparent PMMA (polymethyl methacrylate) / Rubber bag / Crushed Rubber
 - Frame Dimensions: 250 x 400mm
 - Shelf Board Dimensions: 100/257 x 220 x 10mm (1/400 x 270 x 10mm)
 - Shelf Board Withstand Load: 2kg
 - Total Withstand Load: 10kg
 - Shelf Board Attachment Part: Bottom-clip / 20mm
 - Other: 20mm (shelf board interval) 20mm
 - Weight: 11.4kg (including shelf board, 11/3.1kg)
- Accessories**
- Shelf Board (10/20mm) x 2 / 20mm x 2
 - Safety Plate x 1

POLY-FILM SILICA GEL

Order No.	Model No.	Dimensions (mm)	Quantity	Reference Price
3-000-01	GP-5	70x55	1box (150g/box)	\$6.8
3-000-02	GP-10	80x70	1box (300g/box)	\$6.5
3-000-03	GP-20	100x75	1box (400g/box)	\$6.8

- Blue silica gel is changed to pink as it absorbs, and reusable as indicator.



CART

Order No.	Model No.	No. of Shelves	Shelf Dimensions (mm)	Shelf Interval (mm)	Shelf Withstand Load (kg)	Shelf Interval (mm)	Cart Size (mm)	Weight (kg)	Reference Price
4-000-01	MHT-101	1	—	—	—	—	1200	12	\$68.1
4-000-02	MHT-102	2	500	150	1400	140	1200	17	\$160.8
4-000-03	MHT-103	2	500	150	1400	140	1200	17	\$221.7
4-000-04	MHT-104	2	500	150	1400	140	1200	17	\$221.7
4-000-05	MHT-105	2	500	150	1400	140	1200	17	\$221.7
4-000-06	MHT-106	2	500	150	1400	140	1200	17	\$221.7
4-000-07	MHT-107	2	500	150	1400	140	1200	17	\$221.7
4-000-08	MHT-108	2	500	150	1400	140	1200	17	\$221.7
4-000-09	MHT-109	2	500	150	1400	140	1200	17	\$221.7
4-000-10	MHT-110	2	500	150	1400	140	1200	17	\$221.7

20-000-01 ~ 10 require the lock of the floor of lock.

- Finger pinch prevention resin cover is attached to folding part of handle (except MHT-104-105-204-300).

- Specification**
- Material: Platform: Sheet polypropylene (anti-static blue mat covered). Handle: Steel



LIGHTWEIGHT RESIN CARRIER

Order No.	Model No.	Color	Type	Reference Price
3-000-01	MPC-720-W	White	—	\$109.2
3-000-02	MPC-720-B	Black	—	\$109.2
3-000-03	MPC-720-W	White	With a handle	\$112
3-000-04	MPC-720-B	Black	With a handle	\$112
3-000-05	MPC-720-W	White	With a stopper	\$171
3-000-06	MPC-720-B	Black	With a stopper	\$171

- Specification**
- Structure of platform reduces noise from floor.
 - Equipped with noise reducing casters.
 - Provided with handle temporary lock function that is convenient while loading.
 - Stands up right when folded and requires minimum space.
 - 4 handle holes on platform.

- Accessories**
- Material: PP resin with anti-static powder coating (transfer)
 - Dimensions: 780 x 490 x 110 (stand height: 900 mm)
 - Color: 4100 mm aluminum (flexible and fixed x 2 each)
 - Withstand Load: 200 kg
 - Weight: 7.8 kg (MPC-720-W/B), 7.8 kg (MPC-720-W/B), 10.0 kg (MPC-720-W/B), 10.0 kg (MPC-720-W/B)

DOLLY (Mesh type)

Order No.	Model No.	Color	Dimensions (mm)	Weight (kg)	Reference Price
3-000-01	MPC-100-W	White	1000x1000x110	1.80	\$29
3-000-02	MPC-100-B	Black	1000x1000x110	1.80	\$29
3-000-03	MPC-100-W	White	1000x1000x110	2.00	\$30.5
3-000-04	MPC-100-B	Black	1000x1000x110	2.00	\$30.5

- Specification**
- Lightweight and easy to move.
 - Possible to connect vertically and horizontally.
 - Stackable and space-saving.

- Accessories**
- Material: Loading Platform / Recycled PP (polypropylene), Caster / Nylon (Roller)
 - Caster Dimensions: 47.5mm (flexible-fixed x 2 of each)

Lightweight just like felt pen and easy counting.

AS ONE ORIGINAL



COLONY COUNTER PEN

Model No.	Model Name	Material	Reference Price
2-209A-01	CC-1	Body	\$85.5
2-209A-11	Replacement Marker-Black		\$1.6
2-209A-12	Replacement Marker-Red		\$2.2

- Colony can be easily counted by one-handed operation.
- It is easy to see multiple numerical value with digital display of 5 digits.
- With operation sound for every count, positive calculation is possible.
- Multi-in clipper is easily exchangeable.
- Specifications:
 - Display: 5 digits Liquid Crystal Display
 - Battery: 9V alkaline battery (not included by testing)
 - Dimensions: $\phi 14.5 \times 145$ mm (total length)
 - Weight: approx. 20g
 - Accessories: Only Marker Black-Red x1 each



SAMPLE SPREADER (Sterilized by EOG)

Model No.	Model Name	Reference Price
2-211A-01	SSC-1000	\$180.8

- Stable to grip by flat shaped handle.
- Triangle shape with round corner is easy to spread.
- Specification:
 - Material: PS (polystyrene)
 - Tip Width: 5mm
 - Length: 150 ϕ x 40mm
 - Sterilized by EOG
 - Quantity: 1 box (10 pieces/bag x 100 bags)

Simultaneous processing of two specimens improves work efficiency.

BAG HOMOGENIZER

Model No.	Model Name	Reference Price
2-202A-01	BH-100	\$1,772.31

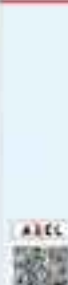
- Possible to process two specimens at the same time to save time.
- Starting and stopping by opening and closing the door after making timer settings.
- Possible to adjust the distance between the door and paddle in five steps. (Paddle interval: Approx. 20 mm)
- Ensuring ease of cleaning by lifting the door up.
- Specifications:
 - Body Material: Steel (powder coating)
 - Timer Settings: Continuous, setting time (15, 30, 60, 90, 120, 150, 180, or 210 seconds)
 - Number of Struts: 5 (struts)
 - Power Supply: Dedicated AC adapter provided (100-240 VAC 50/60 Hz)
 - Weight: 20 kg



COLONY COUNTER

Model No.	Model Name	Reference Price
2-209A-01	CC-1	\$1184.9
2-209A-11	Software	\$125.8

- Sub-display displays 3 previous measured values.
- Average values can be calculated.
- Possible to use back button to lower count when there is over-count.
- Software enables recording of data such as sample number, date, user name, and dilution factor.
- Specification:
 - Magnification: 3 ~ 2x
 - Light source: LED
 - Display: 3 rows
 - Compatible petri dish size: $\phi 40 \sim \phi 150$ mm
 - Function: Zero-set count-back
 - Interface: USB
 - Material: Aluminum powder baked coating finish
 - Power supply: AC100 ~ 240V
 - Power cord length: 1.2m (3-Ft Plug)
 - Accessory: 530 accessory Marking pen (Black) x1
 - Software accessory: USB cable



FLARED STERILIZER

Model No.	Model Name	Reference Price
2-200A-01	SAS-1000	\$180.8

- Sterilization temperature can be raised to 825°C in a short time (approximately 20 minutes).
- Temperature can be switched between 2 levels (500/825°C).
- Specification:
 - Inner opening size: $\phi 14 \times 140$ mm
 - Power supply: 220 V 50/60 Hz (3-P plug)
 - Power cord length: Approx. 1.3 m
 - Weight: 1.3 kg

3387



TEST BAG

Model No.	Model Name	Capacity	Reference Price
2-209A-01	with filter	100 x 100	\$127.3
2-209A-02	with no filter	100 x 100	\$82.1
2-209A-03	Mini (with filter)	150 x 100	\$87.4
2-209A-04	Mini (with filter)	150 x 100	\$103.9
2-209A-05	Mini (with filter)	150 x 100	\$88.9

- Only filtrate can be collected by sealing non-woven fabric on a double-layer film of nylon and PE.
- Specifications:
 - Weight: Filtered, Soft (25 g/m²) and other types (20 g/m²)
 - Material: Main unit: Nylon (thickness: 15 μ m) and low density polyethylene (thickness: 50 μ m and soft: 40 μ m)
 - Filter: Non-woven spunbonded fabric
 - Sterilized by gamma rays



PIPETTE (Single channel)

Model No.	Capacity	Accuracy	Reference Price
4040360	1 ~ 10 μ L	0.02 μ L	\$154.4
4040370	2 ~ 20 μ L	0.02 μ L	\$154.4
4040380	20 ~ 200 μ L	0.2 μ L	\$154.4
4040390	200 ~ 1000 μ L	1 μ L	\$154.4
4040400	0.5 ~ 5 mL	0.01 mL	\$154.4
4040410	1 ~ 10 mL	0.01 mL	\$154.4

NICHIPET

Model No.	Model Name	Capacity	Accuracy	Reference Price
2-200A-01	00-NP02	0.1 ~ 10	0.002	\$263.6
2-200A-02	00-NP02	0.1 ~ 10	0.01	\$263.6
2-200A-03	00-NP02	0.1 ~ 10	0.01	\$225.9
2-200A-04	00-NP02	0.1 ~ 10	0.1	\$225.9
2-200A-05	00-NP02	0.1 ~ 10	0.1	\$225.9
2-200A-06	00-NP02	0.1 ~ 10	1	\$225.9
2-200A-07	00-NP02	0.1 ~ 10	1	\$263.6
2-200A-08	00-NP02	0.1 ~ 10	10	\$263.6
2-200A-09	00-NP02	0.1 ~ 10	10	\$263.6
2-200A-10	00-NP02	0.1 ~ 10	10	\$263.6
2-200A-11	00-NP02	0.1 ~ 10	10	\$263.6
2-200A-12	00-NP02	0.1 ~ 10	10	\$263.6
2-200A-13	00-NP02	0.1 ~ 10	10	\$263.6
2-200A-14	00-NP02	0.1 ~ 10	10	\$263.6
2-200A-15	00-NP02	0.1 ~ 10	10	\$263.6
2-200A-16	00-NP02	0.1 ~ 10	10	\$263.6
2-200A-17	00-NP02	0.1 ~ 10	10	\$263.6
2-200A-18	00-NP02	0.1 ~ 10	10	\$263.6
2-200A-19	00-NP02	0.1 ~ 10	10	\$263.6
2-200A-20	00-NP02	0.1 ~ 10	10	\$263.6

- Entire 00-NP02 type unit can be autoclaved and UV-irradiated.
- Specifications:
 - Capacity Setting Method: Variable

MULTI CHANNEL PIPETTE (Nichipet)

Model No.	Model Name	Capacity	Accuracy	Reference Price
2-200A-01	00-NP02	0.1 ~ 10	0.002	\$602.5
2-200A-02	00-NP02	0.1 ~ 10	0.01	\$602.5
2-200A-03	00-NP02	0.1 ~ 10	0.01	\$602.5
2-200A-04	00-NP02	0.1 ~ 10	0.1	\$602.5
2-200A-05	00-NP02	0.1 ~ 10	0.1	\$790.8
2-200A-06	00-NP02	0.1 ~ 10	1	\$790.8
2-200A-07	00-NP02	0.1 ~ 10	1	\$790.8
2-200A-08	00-NP02	0.1 ~ 10	10	\$790.8
2-200A-09	00-NP02	0.1 ~ 10	10	\$790.8
2-200A-10	00-NP02	0.1 ~ 10	10	\$790.8
2-200A-11	00-NP02	0.1 ~ 10	10	\$790.8
2-200A-12	00-NP02	0.1 ~ 10	10	\$790.8
2-200A-13	00-NP02	0.1 ~ 10	10	\$790.8
2-200A-14	00-NP02	0.1 ~ 10	10	\$790.8
2-200A-15	00-NP02	0.1 ~ 10	10	\$790.8
2-200A-16	00-NP02	0.1 ~ 10	10	\$790.8
2-200A-17	00-NP02	0.1 ~ 10	10	\$790.8
2-200A-18	00-NP02	0.1 ~ 10	10	\$790.8
2-200A-19	00-NP02	0.1 ~ 10	10	\$790.8
2-200A-20	00-NP02	0.1 ~ 10	10	\$790.8

- The main unit weight has been reduced by up to 30% compared with our previous products to improve maintainability and ease of tip ejection.
- The counter window is made of glass and will not be fogged by ultraviolet rays from clean benches or other sterilizing lights.
- Autoclavable (at 121°C for 20 minutes).



- The independent capacity adjustment module provides excellent durability and capacity stability.
- The ultra-lightweight design allows comfortable pipetting.
- The tip cone part can be autoclaved.
- The 4040360 and 4040370 models can eject tips of up to 10 μ L by attaching a low-volume tip cone (sold separately).
- Specification:
 - Compatible Tip: Volumax Tip (P.S.T)





PIPETTE TIP(Rack pack)

Order No.	Model No.	Capacity (mL)	Color	Quantity	Reference Price
3-6625-11	V-1000H	10	Natural	1 case (10 racks)	\$20.1
3-6625-12	V-2000H	20	Yellow	1 case (10 racks)	\$20.1
3-6625-13	V-10000H	1000	Natural	1 case (10 racks)	\$22.9
3-6625-14	V-10000H	1000	Blue	1 case (10 racks)	\$22.9
3-6625-15	V-10000H (Auto-lock)	10	Natural	1 case (10 racks)	\$22.9
3-6625-16	V-2000H (Auto-lock)	20	Yellow	1 case (10 racks)	\$22.9
3-6625-17	V-10000H (Auto-lock)	1000	Natural	1 case (10 racks)	\$24.1

*Photo 1 sample with 3-6625-11-1 is available.

The racks are stackable and take up little storage space.

Specifications:

- Material: PP
- Can be autoclaved (121°C, 20 min, max)
- Coated: CHA, Rhine, CHA, pyrogen-free

PIPETTING RESERVOIR

Order No.	Model No.	Capacity (mL)	Material	Quantity	Reference Price
3-6625-18	1000001	1000	PP	1 case (10 pieces)	\$55.5
3-6625-19	1000001W	1000	PP	1 case (10 pieces)	\$57.3
3-6625-20	1000001D	1000	PP	1 case (10 pieces)	\$299.2

- Highly heat resistant and has a wide and rigid base for stability.
- Can process a capacity of 5 or 32 mL.
- The spout at the center ensures ease of pouring liquids.

Specifications:

- Material: PP
- Color: White



PIPETTE TIP(with filter)

Order No.	Model No.	Capacity (mL)	Color	Quantity	Reference Price
3-6625-21	V-1000H	10	Natural	1 case (10 racks)	\$57.3
3-6625-22	V-2000H	20	Natural	1 case (10 racks)	\$57.3
3-6625-23	V-10000H	1000	Natural	1 case (10 racks)	\$57.3

The racks are stackable and saving storage space.

The filter is hydrophobic and prevents cross-contamination during pipetting.

Specifications:

- Material: PP, rack, and plate (PP), filter (PP)
- Coated: CHA, Rhine, CHA, pyrogen-free
- Can be autoclaved

DIGITAL BOTTLE TOP BURETTE

Order No.	Model No.	Capacity (mL)	Reference Price
3-6625-24	BT-10	10	\$1242.7
3-6625-25	BT-20	20	\$1129.7
3-6625-26	BT-50	50	\$1242.7

*The bottle is not included.

- An automated dispensing type, allowing easy and accurate dispensing with a touchscreen panel.
- Connected to a PC for data management.
- The discharge nozzle is vertically and horizontally adjustable.

Specifications:

- Material: PTFE (PTFE) and PTFE cylinder (borosilicate glass), valve housing and check valve (PTFE), and tube (PTFE)
- Dispensing Range: 0.001 ~ 10.00 mL (BT-10), 0.01 ~ 25.00 mL (BT-20), and 1 ~ 50.00 mL (BT-50)
- Precision: $\pm 0.1\%$ (± 0.01), $\pm 0.05\%$ (± 0.005), and $\pm 0.05\%$ (± 0.005)
- Repeatability: $\pm 0.05\%$ (± 0.005), $\pm 0.05\%$ (± 0.005), and $\pm 0.05\%$ (± 0.005)
- Minimum Indication: 0.002 mL (BT-10), 0.01 mL (BT-20), and 0.01 mL (BT-50)
- Number of Networks: 20
- Bottle Adapter: 20 mm (GL30), 32 mm (GL32), 38 mm (GL38), 45 mm (GL45), 45 mm (GL45)
- Power Supply: 100 to 240 VAC, 50/60 Hz
- Interface: USB
- Accessories: Controller (panel), dispensing tube, telescopic filling tube, bottle adapter, adapter base (GL-30), light shielding observation window, AC adapter, touch pen, and USB cord



BOTTLE DISPENSER

Order No.	Model No.	Capacity (mL)	Reference Price
3-6625-27	BD-10	10	\$198.5
3-6625-28	BD-20	20	\$215.4
3-6625-29	BD-50	50	\$277.3
3-6625-30	BD-100	100	\$407.1

*The bottle is not included.

- The entire unit can be autoclaved (at 121°C and 100 kPa for 15 to 20 minutes).
- Various adapters are included to adapt to a variety of screw-necked bottles.
- The dispensing direction can be freely adjusted over 360 degrees.
- No springs are used inside the wet interior.

Specifications:

- Material: PTFE (PTFE), O-ring (PTFE), housing (PP with 10% glass), cylinder (borosilicate glass), suction and discharge tube (PTFE), and nozzle cap (PP)
- Precision: $\pm 0.5\%$ • Repeatability: $\pm 0.2\%$
- Inner Opening Diameter of Main Unit: 30 mm (GL-30)
- Bottle Adapter (sold separately): 20 mm (GL-20), 32 mm (GL-32), 38 mm (GL-38), 40 mm (GL-40), and 45 mm (GL-45)



AUTO BURETTE(With Amber Bottles)

Order No.	Model No.	Capacity (mL)	Reference Price
3-6625-31	AB-10	10	\$228.4
3-6625-32	AB-20	20	\$224.4
3-6625-33	AB-50	50	\$224.4
3-6625-34	AB-100	100	\$260.2
3-6625-35	AB-10	10	\$261.3
3-6625-36	AB-20	20	\$261.3
3-6625-37	AB-50	50	\$261.3
3-6625-38	AB-100	100	\$261.3

*White and Amber are the color of bottle body. Only bottle is available. Please contact us for more details with other capacity.

Specifications:

- Wetted Part Material: Pyrex Glass, Ceramic (PTFE (Borosilicate))
- Nozzle Connection Type: Material: Silicon
- Bottle Capacity: 1000mL

SELF-STANDING PIPETTOR

Order No.	Model No.	Capacity (mL)	Reference Price
3-1000-01	SD1-1000	1-100	\$290

- Freestanding and can also be wall-mounted for efficient operation.
- The lightweight, easy-to-grip shape prevents fatigue, even after repeated use.
- Aspiration and dispensing speeds are easily adjustable.

Specifications:

- Material: Main part (PAA resin), PP, polycarbonate, filter (PTFE), and pipette holder (polycarbonate)
- Power Supply: Lithium-ion polymer rechargeable battery (sold together) and AC adapter (sold together)
- Charging Time: Approx. 4 hours
- Weight: 180 g (including battery)
- Can be autoclaved (pipette, pipette holder, filter only)
- Accessory: Filter (0.2 µm)



AUTO DISPENSER

Order No.	Model No.	Reference Price
3-1004-21	DL-200H	\$2297
3-1004-111	Test switch	\$54.7



- Weigh sample and it will be automatically diluted according to set dilution factor.
- High-precision dilution control due to automatic pump control using real-time communication with electronic balance.
- Using foot switch (sold separately) frees both hands, making it convenient if you have large amount of samples.

Specifications:

- Ready
- Dilution factor setting range: 1.14 ~ 1000
- Motor: Stepping motor
- Dispensing flow rate: approx. 1000 µL/min
- Average flow rate: approx. 100 µL/min (Example: Total amount of 100 µL)
- Total amount dispensed: 1.5 ~ 300 µL
- Dispensing accuracy: Within 10.5% of target weight
- Tube seal: Silicon tube (O.D. $\phi 7.6 \times \phi 6.0$, $\phi 10$)
- Weight: approx. 3.5 kg
- Power supply: AC100 ~ 240V 50/60Hz
- Dimension: 120 × 160 × 125 mm
- Electronic balance:
 - Weighting capacity: 1500g
 - Resolution: 0.1 (0.2-0.5 g) (automatic switching)
 - Power supply: AC100V 50/60Hz

CAPILLARY TUBE

Order No.	Capacity (µL)	Graduation (mm)	Material	Quantity	Price (USD)
2-454-01	0.5	1.5/0.5	100	1 pack (100 pieces)	\$12.8
2-454-02	1	1.5/0.5	100	1 pack (100 pieces)	\$12.8
2-454-03	2	1.5/0.5	100	1 pack (100 pieces)	\$12.8
2-454-04	5	1.5/0.5	100	1 pack (100 pieces)	\$12.8
2-454-05	10	1.5/0.5	100	1 pack (100 pieces)	\$12.8
2-454-06	20	1.5/0.5	100	1 pack (100 pieces)	\$12.8
2-454-07	50	1.5/0.5	100	1 pack (100 pieces)	\$12.8
2-454-08	100	1.5/0.5	100	1 pack (100 pieces)	\$12.8

It absorbs by capillarity, and error will not be produced even if experimenter changes (graduation is not attached).

- Specification**
- Volume Accuracy: $\pm 0.5\%$, Accuracy: $\pm 1.0\%$

CAPILLARY TUBE RINGCAPS®

Order No.	Capacity (µL)	Graduation (mm)	Material	Quantity	Price (USD)
2-454-01	0.5	1.5/0.5	100	1 pack (100 pieces)	\$12.8
2-454-02	1	1.5/0.5	100	1 pack (100 pieces)	\$12.8
2-454-03	2	1.5/0.5	100	1 pack (100 pieces)	\$12.8
2-454-04	5	1.5/0.5	100	1 pack (100 pieces)	\$12.8
2-454-05	10	1.5/0.5	100	1 pack (100 pieces)	\$12.8
2-454-06	20	1.5/0.5	100	1 pack (100 pieces)	\$12.8
2-454-07	50	1.5/0.5	100	1 pack (100 pieces)	\$12.8
2-454-08	100	1.5/0.5	100	1 pack (100 pieces)	\$12.8

Volume can be checked quickly with color code (ISO 7662).

- Specification**
- Length: 1.2m
 - Material: DURAN® borosilicate glass
 - Volume Accuracy: $\pm 0.5\%$, Accuracy: $\pm 0.5\%$
 - Volume Accuracy: $\pm 0.5\%$, Accuracy: $\pm 0.5\%$
 - Material: PE (polyethylene)
 - Accessories: Adapter Large (yellow) x1, Adapter Small (transparent) x1

CAPILLARY TUBE

Order No.	Capacity (µL)	Graduation (mm)	Material	Quantity	Price (USD)
2-454-01	0.5	1.5/0.5	100	1 pack (100 pieces)	\$12.8

- Specification**
- Material: Glass
 - Blue label
 - Surface untreated

PRESSURE SPRAYER

Order No.	Capacity (L)	Material	Quantity	Price (USD)
2-454-01	2400	Single head type	4	\$49.7
2-454-02	2400	Double head type	5	\$64.8

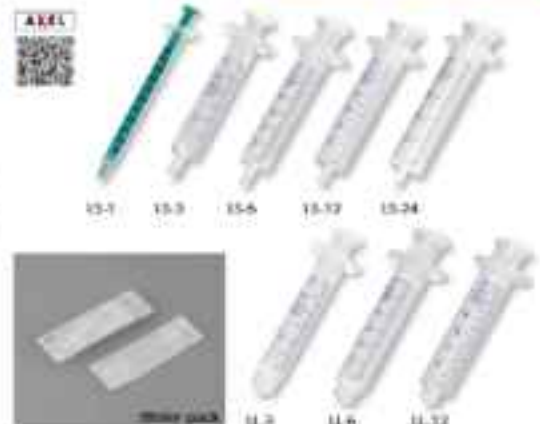
- Specification**
- Hose length: 2400 and 2400/2m, 2500/2m
 - Material: Tank: PE (polyethylene), Nozzle: Stainless steel, Hose: Polyurethane
 - Automatic safety valve function equipped



ALL-PLASTIC DISPOSABLE SYRINGE (individually wrapped and sterilized)

Order No.	Capacity (mL)	Graduation (mL)	Material	Quantity	Price (USD)
2-454-01	1	0.1	100	1 box (100 pcs)	\$25.4
2-454-02	1.5	0.1	100	1 box (100 pcs)	\$26.1
2-454-03	2	0.1	100	1 box (100 pcs)	\$26.6
2-454-04	3	0.1	100	1 box (100 pcs)	\$27.1
2-454-05	5	0.1	100	1 box (100 pcs)	\$28.6
2-454-06	10	0.1	100	1 box (100 pcs)	\$31.5

- Specification**
- Material: Barrel (PP) and plunger (PE)
 - EOG sterilized
 - Free of styrene, DEHP, latex, and silicone oil



MICRO SYRINGE

Order No.	Capacity (µL)	Graduation (µL)	Material	Quantity	Price (USD)
2-454-01	0.5	0.05	100	1 box (100 pcs)	\$16.6
2-454-02	1	0.05	100	1 box (100 pcs)	\$16.6
2-454-03	2	0.05	100	1 box (100 pcs)	\$16.6
2-454-04	5	0.05	100	1 box (100 pcs)	\$16.6
2-454-05	10	0.05	100	1 box (100 pcs)	\$16.6
2-454-06	20	0.05	100	1 box (100 pcs)	\$16.6
2-454-07	50	0.05	100	1 box (100 pcs)	\$16.6
2-454-08	100	0.05	100	1 box (100 pcs)	\$16.6

- Specification**
- Total Capacity Tolerance: $\pm 5\%$
 - Autoclavable: 0.2 MPa



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STERILIZED DISPOSABLE TWEEZERS (individually wrapped)

Order No.	Capacity (mL)	Graduation (mL)	Material	Quantity	Price (USD)
2-454-01	1	0.1	100	1 box (100 pcs)	\$9
2-454-02	2	0.1	100	1 box (100 pcs)	\$10.5

- Specification**
- Material: VOP-010: PE (polyethylene), VOP-020: ABS (acrylonitrile butadiene styrene resin)
 - Chloroform-sterilized
 - Quantity: 100/box (individual packet)



WATER DISTILLING APPARATUS

Order No.	Capacity (L)	Graduation (L)	Material	Quantity	Price (USD)
2-454-01	2400	2400	100	1 box (100 pcs)	\$2748.9

- Specification**
- Body Material: Stainless steel
 - Heater: Pipe heater
 - Sampling port water: Distilled water
 - Raw water pressure range: 1 to 3 x 10⁵ Pa
 - Tank capacity: 20L
 - Function: Automatic cooling water adjustment, heater emptying, overheat protection, and splash prevention protection
 - Power Supply: 220VAC 7A
 - Weight: Approx. 30 kg
 - Accessories: Water supply/drainage hose, curved three-neck, rubber chaper (for double clamping)

SLIDE GLASS (Soda-lime)

Order No.	Product No.	Quantity	Reference Price
1-3404-11	Cut Edge-Without Frost	1 box (100 pieces)	\$5
1-3404-11	Polished Edge-Without Frost		\$5.5
1-3404-11	Polished Edge-Transparent Frost		\$9.8
1-3404-11	Polished Edge-Transparent Frost		\$12.8

*Please specify the color from the following color code table at the time of order.

- Polished Edge - 45° polished on 4 corners.
- Polished edge-clear frosted type is polish processing on the edge.
- Color frosted type is useful for organizing and sorting.

- Specifications
- Material: Soda-lime Glass
- Thickness: 1.0-1.2mm
- Width/Length: 25.4x76.2mm
- Frosted Area (Dimensions): 20mm (frosted type only)

Color	-11	-12	-13	-14	-15	-16
Color	White	Orange	Yellow	Green	Pink	Blue



COVER GLASS

Order No.	Product No.	Size (mm)	Quantity	Reference Price
1-3000-24	13000340	18 x 18	1 box (200 products)	\$2.7
1-3000-24	63000340	20 x 30	1 box (200 products)	\$2.9

- Colorless and transparent with high transmittance.
- Highly resistant to chemicals and corrosion.

- Specifications
- Material: Soda-lime glass
- Thickness: 0.13 to 0.16 mm



AS/FIL Basic type of glass fiber filter paper

Filter paper name	Particle retention capacity (µm)	Thickness (mm)	Weight (g/m²)	Ret. resistance (kPa)	Use	Each sample with reference filter paper
GFA	1.6	0.29	56	500	Large-diameter filter for coarse and medium	GFA
GFC	1.2	0.28	54	500	General type for versatile use	GFC
GFB	2.7	0.34	100	600	Used for pre-filter, food filtration	GFB
GFT	0.7	0.40	75	100	Filtration of fine objects, such as proteins	GFT



- Since the product contains no binder, there is no binder elution.
- Stable even at high temperatures. Also suitable as a pre-filter.
- Manufactured with 100% borosilicate glass.

GLASS FIBER FILTER PAPER

Order No.	Product No.	Size (mm)	Weight (g/m²)	Ret. resistance (kPa)	Use	Each sample with reference filter paper
1-3404-11	13000340	18 x 18	56	500	Large-diameter filter for coarse and medium	GFA
1-3404-11	63000340	20 x 30	54	500	General type for versatile use	GFC
1-3404-11	27000340	20 x 30	100	600	Used for pre-filter, food filtration	GFB
1-3404-11	07000340	20 x 30	75	100	Filtration of fine objects, such as proteins	GFT

- Specifications
- Material: Glass fiber
- Color: White
- Surface: Plain
- Quantity: One box (100 sheets) willowever, in the price list, 1 box (100 sheets), 2 boxes (200 sheets), and 1 box (500 sheets)

SYRINGE FILTER

Order No.	Product No.	Size (mm)	Quantity	Reference Price
1-3404-11	13000340	18 x 18	1 box (100 pieces)	\$23.2
1-3404-11	63000340	20 x 30	1 box (100 pieces)	\$23.2
1-3404-11	27000340	20 x 30	1 box (100 pieces)	\$35.9
1-3404-11	07000340	20 x 30	1 box (100 pieces)	\$35.9

- High and stable flow rate can be secured.
- High pressure-resistant type with low risk of cracking or leakage.

- Specifications
- Material: Polytetrafluoroethylene (PTFE)
- Membrane Material: 100% Glass Cellulose
- Pressure Range: 0.5 MPa



QUALITATIVE FILTER PAPER

Order No.	Product No.	Size (mm)	Quantity	Reference Price
1-3404-11	13000340	18 x 18	1 box (100 sheets)	\$23.2
1-3404-11	63000340	20 x 30	1 box (100 sheets)	\$23.2
1-3404-11	27000340	20 x 30	1 box (100 sheets)	\$35.9
1-3404-11	07000340	20 x 30	1 box (100 sheets)	\$35.9

- There are three types of filtration speeds, depending on particle size: Low speed (100), medium speed (102), and high speed (101).

- Specifications
- Material: Cellulose
- Quantity: One box (100 sheets)

Filter paper name	IS Standard	Ash content (%)	Weight (g/m²)	Filtration speed (µm)	Max. pore size (µm)	Use
101	Qualitative Class 1	< 0.1	20-25	20-25	10-15	For coarse granular deposits
102	Qualitative Class 2	0.15	25-30	15-20	10-15	For medium sized deposits
103	Qualitative Class 3	< 0.1	30-40	10-15	10-15	For fine deposits

QUANTITATIVE FILTER PAPER

Order No.	Product No.	Size (mm)	Quantity	Reference Price
1-3404-11	13000340	18 x 18	1 box (100 sheets)	\$23.2
1-3404-11	63000340	20 x 30	1 box (100 sheets)	\$23.2
1-3404-11	27000340	20 x 30	1 box (100 sheets)	\$35.9
1-3404-11	07000340	20 x 30	1 box (100 sheets)	\$35.9

- Specifications
- Material: Cellulose
- Quantity: One box (100 sheets)

VIOLAMO

Useful for centrifuging large volume samples



BIG CONICAL TUBE

Order No.	Product No.	Size (mm)	Quantity	Reference Price
1-3404-11	13000340	18 x 18	1 box (100 sheets)	\$23.2
1-3404-11	63000340	20 x 30	1 box (100 sheets)	\$23.2
1-3404-11	27000340	20 x 30	1 box (100 sheets)	\$35.9
1-3404-11	07000340	20 x 30	1 box (100 sheets)	\$35.9

*Product samples with 20% off are available.

- Suitable for centrifugation and temporary storage of large volume samples
- Can be autoclaved at 121°C

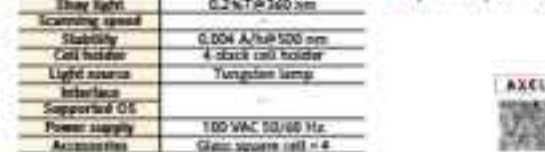
- Specifications
- Material: PP (polypropylene) and PE (polyethylene)
- Centrifugal Force: 7500 G (VIO-225) and 6000 G (VIO-500)
- Sterilized by gamma rays (50 kG)
- Chlorine, phosgene, and pyrogen free



SPECTROPHOTOMETER

Order No.	Product No.	Size (mm)	Quantity	Reference Price
1-3404-11	13000340	18 x 18	1 box (100 sheets)	\$23.2
1-3404-11	63000340	20 x 30	1 box (100 sheets)	\$23.2
1-3404-11	27000340	20 x 30	1 box (100 sheets)	\$35.9
1-3404-11	07000340	20 x 30	1 box (100 sheets)	\$35.9

- Specifications
- Model No.: ASV1000
- Wavelength range: 200 to 1000 nm
- Optical bandwidth: 4 nm
- Wavelength accuracy: ±1 nm
- Wavelength reproducibility: ±0.5 nm
- Measurement method: Single beam (1 beam/line)
- Measurement range: 0.001 to 1.000 (Absorbance), 0.001 to 1.000 (Transmittance)
- Measurement precision: ±0.5% (Absorbance), ±0.5% (Transmittance)
- Slit width: 0.2 N/A 160 nm
- Scanning speed: 0.004 A/sec 500 nm
- Stability: 0.004 A/sec 500 nm
- Cell holder: 4-block cell holder
- Light source: Tungsten lamp
- Interface: RS-232C
- Supported OS: Windows 95/98/NT/2000/XP/Vista/7/8/10
- Power supply: 100 VAC 50/60 Hz
- Accessories: Glass cuvette (cell) x 4



AS/FIL Standard qualitative filter paper product



Filter Paper Name	IS Standard	Ash Content (%)	Weight (g/m²)	Filtration Speed (µm)	Max. Pore Dia. (µm)	Application
201	Type 1, A-qualitative	< 0.01	20-25	20-25	10-15	Gravimetric Analysis and Sample Preparation, etc.
202	Type 1, B-qualitative	< 0.01	25-30	15-20	10-15	
203	Type 1, C-qualitative	< 0.01	30-40	10-15	10-15	

VIOLAMO

Useful for centrifuging large volume samples



CENTRIFUGE TUBE

Order No.	Product No.	Size (mm)	Quantity	Reference Price
1-3404-11	13000340	18 x 18	1 box (100 sheets)	\$23.2
1-3404-11	63000340	20 x 30	1 box (100 sheets)	\$23.2
1-3404-11	27000340	20 x 30	1 box (100 sheets)	\$35.9
1-3404-11	07000340	20 x 30	1 box (100 sheets)	\$35.9

- The screw cap, which closes securely with a small number of revolutions, provides excellent sealing and operability.
- The maximum centrifugal force is 18000 G.
- Excellent heat and cold resistance, and sublimation and deep freeze are possible.
- Easy-to-read white scale.

- Specifications
- Material: PP (polypropylene) and PE (polyethylene)
- Centrifugal Force: 18000 G
- Chlorine, phosgene, and pyrogen free
- Max. (Int. Size) 15 mL cap 1.7 x 1.14, 50 mL cap 1.7 x 1.14
- Heat resistance temperature: 40°C to 121°C
- Sterilized by gamma rays



HIGH SPIN MINI CENTRIFUGE

Order No.	Product No.	Size (mm)	Quantity	Reference Price
1-3404-11	13000340	18 x 18	1 box (100 sheets)	\$23.2
1-3404-11	63000340	20 x 30	1 box (100 sheets)	\$23.2
1-3404-11	27000340	20 x 30	1 box (100 sheets)	\$35.9
1-3404-11	07000340	20 x 30	1 box (100 sheets)	\$35.9

- Compact sized centrifuge capable of high-speed rotation that can be used for wide range of application.
- Provided with rotor adapter for various tubes so as to be used for multipurpose.
- Possible to set rotation per minutes (1000rpm) by applications and character of samples.
- Specification
- Maximum Centrifugal Force: Rotor 1: 10000G, Rotor 2: 37000G
- Rotation Speed Setting: Digital (in units of 1000rpm)
- Dimensions: 150 x 160 x 130 mm
- Power Supply: AC100-240V 50/60Hz
- Weight: 1.1 kg
- Accessories
- Rotor 1 (1.5/2.0 mL, 5 mL, 10 mL x 6)
- Rotor 2 (5 mL, 10 mL, 15 mL x 3)
- Adapter for 5 mL tube (10 mL tube applicable to rotor 1)
- Hexagon Wrench





ELECTROPHORESIS APPARATUS

Order No.	Model No.	Dimensions (mm)	Reference Price
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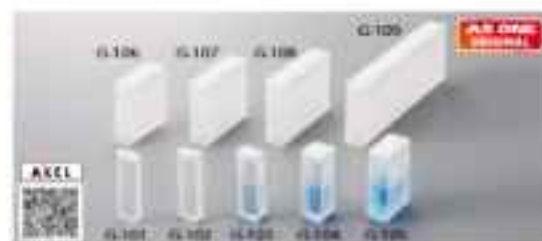
1-2951-01	Model No.	180x150x140 (HxWxD)	\$428.9
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- Directly observe bands on transilluminator adopting UV transmitting electrophoresis tank.
- Possible to separate electrophoresis tank from power supply, and wash.
- Possible to make 13 wells or 26 wells with one comb, and pitch corresponds to multi-pipette.
- Possible to set 7 types of voltage.

- Specification:
 - Electrophoresis Tank:
 - Inner Dimensions: 135 x 150 x 40mm
 - Capacity: 500~1000ml
 - Material: UV Transmitting Resin

- Power supply:
 - Input Voltage: AC100~240V 50/60Hz
 - Output Voltage: 10V, 100V, 50, 25, 20, 15, 10V
 - Timer Function: Setting from 0~99min Continuous Electricity
 - Memory Function: Automatically Memorize Last Used Voltage/Timer Setting

- Dimensions: Large/110x122x24mm, Small/130x50x14mm
- Accessories:
 - Gel Tray/Single x 1
 - Gel Tray/Double x 2
 - Combs for making 12 or 26 wells x 6
 - Gel Maker Stand



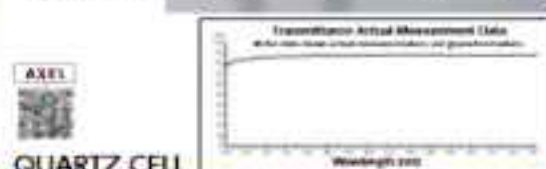
GLASS CELL (2 Faces-Transparent)

Order No.	Model No.	Dimensions (mm)	Capacity (ml)	Reference Price
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1-2951-01	G-100	45x121x40	100	\$22.3
1-2951-02	G-100	45x121x40	200	\$21.1
1-2951-03	G-100	75x121x40	500	\$13.8
1-2951-04	G-100	121x121x40	1000	\$9.8
1-2951-05	G-100	121x121x40	2000	\$15.8
1-2951-06	G-100	121x121x40	4000	\$18.8
1-2951-07	G-100	121x121x40	6000	\$21.1
1-2951-08	G-100	121x121x40	10000	\$24.9
1-2951-09	G-100	121x121x40	15000	\$29.7

- Available for wide range of 340~2500nm.
- Adhesive is not used.

- Specification:
 - Material: Reusable Glass



QUARTZ CELL

Order No.	Model No.	Dimensions (mm)	Capacity (ml)	Reference Price
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1-2951-01	G-100	45x121x40	100	\$142.3
1-2951-02	G-100	45x121x40	200	\$79.8
1-2951-03	G-100	75x121x40	500	\$149.1
1-2951-04	G-100	121x121x40	1000	\$79.8
1-2951-05	G-100	121x121x40	2000	\$43.7
1-2951-06	G-100	121x121x40	4000	\$137.8
1-2951-07	G-100	121x121x40	6000	\$106.2
1-2951-08	G-100	121x121x40	10000	\$150.6
1-2951-09	G-100	121x121x40	15000	\$124.3

- Material: Quartz glass
- Size: 125 x 125 x 40 mm

- Precision bonding finish minimizes optical path length variation and provides a sturdy bonding surface.
- Easy to place in cell holders and easy to clean.
- No adhesive is used (except for black type G-134, G-24, G-134, and G-44).
- Specification:
 - Material: Quartz glass
 - Size: 125 x 125 x 40 mm



ORGANIC SOLVENT PURIFICATION SYSTEM (Glass Contour MINI)

Order No.	Model No.	Reference Price
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1-2951-01	Model No.	\$5422.5
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1-2951-02	Model No.	\$1355.6
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- These bottles having transparency close to glass bottle is hardly broken.
- Special scale is featured that protrusions of gridline do not matter even if label is posted.
- UV-rays transmittivity below 400nm into an amber bottle is 0.3% or less.

- Column purification method is used instead of distillation, which eliminates need for heat source and significantly reduces risk of solvent ignition and explosion.
- Simple control panel operation allows collection of required amount of dehydrated, deoxygenated organic solvent when needed.
- HPLC grade solvents can be purified in volumes of 80 to 100 L.

- Specification:
 - Column: Glass (φ40 x 305 mm)
 - Gas Supply Pressure: Regulator within 0.03 to 0.04 MPa
 - Size: 230 x 240 x 600 mm
 - Weight: Approx. 6.6 kg (including gas connection hose)
 - Solvent Outlet: Two lock (valve)
 - Common Set Contents: Main unit (a set of two columns, gas connection hose, column filter tube, 10 x 0.5 mm, or smaller Airtight container from that for Carbo Chemical or Wako Pure Chemical Industries)

pH TEST PAPER

Order No.	Model No.	Dimensions (mm)	Type	Quantity	Reference Price
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- A color scale is attached to the case.
- Specification:
 - Case material: Plastic
 - Number of measurement sections: 100 (Type Four for pH 0-14 and 1-14 and Two for others)
 - Size: If there is a color scale and it is 10 x 10 mm (100 types)
 - With cutting edge (pull type only)



PP BOTTLE

Capacity	Quantity	Order No.	Reference Price	Order No.	Reference Price
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- The price is per bottle.

PP BOTTLE (Transparent)

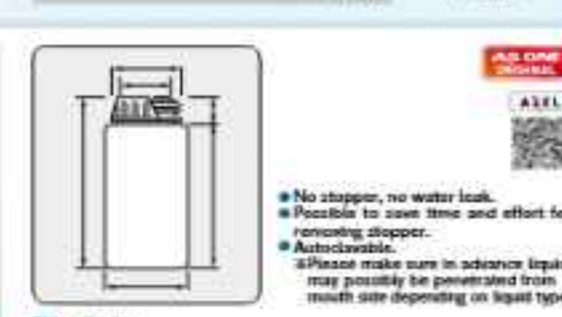
Capacity	Quantity	Order No.	Reference Price	Order No.	Reference Price
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- The price is per bottle.

- These bottles having transparency close to glass bottle is hardly broken.
- Special scale is featured that protrusions of gridline do not matter even if label is posted.
- UV-rays transmittivity below 400nm into an amber bottle is 0.3% or less.

Bottle & container materials

Material	Features	Material	Features
PP	The price is low, the heat resistance and the chemical resistance are high.	PET	Transparent.
PE-LDPE-HDPE	Good electrical insulation and chemical resistance, but lack of heat resistance.	ABS	Resistant to impact and good impact resistance.
PS	The transparency is high and the organic solvent resistance is weak.	PMMA	Clear, transparent, glass, good chemical resistance and electrical insulation.
PC	Good impact resistance and heat resistance.	PMP	Extremely heat-resistant, chemical resistant and electrical insulation.
PVC	Not flammable, it's soft and hard.	PFA-PTFE-ETFE	High price, heat resistance and chemical resistance.



PP BOTTLE

Capacity	Quantity	Order No.	Reference Price	Order No.	Reference Price
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- The price is per bottle.



- These bottles having transparency close to glass bottle is hardly broken.
- Special scale is featured that protrusions of gridline do not matter even if label is posted.
- UV-rays transmittivity below 400nm into an amber bottle is 0.3% or less.

- Column purification method is used instead of distillation, which eliminates need for heat source and significantly reduces risk of solvent ignition and explosion.
- Simple control panel operation allows collection of required amount of dehydrated, deoxygenated organic solvent when needed.
- HPLC grade solvents can be purified in volumes of 80 to 100 L.

- Specification:
 - Column: Glass (φ40 x 305 mm)
 - Gas Supply Pressure: Regulator within 0.03 to 0.04 MPa
 - Size: 230 x 240 x 600 mm
 - Weight: Approx. 6.6 kg (including gas connection hose)
 - Solvent Outlet: Two lock (valve)
 - Common Set Contents: Main unit (a set of two columns, gas connection hose, column filter tube, 10 x 0.5 mm, or smaller Airtight container from that for Carbo Chemical or Wako Pure Chemical Industries)

- Precision bonding finish minimizes optical path length variation and provides a sturdy bonding surface.
- Easy to place in cell holders and easy to clean.
- No adhesive is used (except for black type G-134, G-24, G-134, and G-44).
- Specification:
 - Material: Quartz glass
 - Size: 125 x 125 x 40 mm

PFA BOTTLE(Tellor®)

Order No.	Model No.	Material (Body/Cap)	Capacity (L)	Reference Price
A-5442-01	Narrow mouth, 100 ml	PTFE (Body/Cap)	100	\$15.1
A-5442-02	Narrow mouth, 250 ml	PTFE (Body/Cap)	250	\$21.1
A-5442-03	Narrow mouth, 500 ml	PTFE (Body/Cap)	500	\$24.4
A-5442-04	Narrow mouth, 1000 ml	PTFE (Body/Cap)	1000	\$25.2
A-5442-05	Wide mouth, 50 ml	PTFE (Body/Cap)	50	\$16.6
A-5442-06	Wide mouth, 100 ml	PTFE (Body/Cap)	100	\$16.1
A-5442-07	Wide mouth, 250 ml	PTFE (Body/Cap)	250	\$17.4
A-5442-08	Wide mouth, 500 ml	PTFE (Body/Cap)	500	\$17.4
A-5442-09	Wide mouth, 1000 ml	PTFE (Body/Cap)	1000	\$17.4



- Specification**
- For storage of high-purity reagent or ultrapure water.
 - For long-term storage owing to little secular change.



PFA LARGE BOTTLE

Order No.	Capacity (L)	OD (mm)	Reference Price
7-102-01	2	φ120×100	\$37.3
7-102-02	3	φ140×120	\$46.2
7-102-03	5	φ170×170	\$512.9

- This translucent bottle which allows you to view chemical and sample inside bottle has outstanding corrosion resistance.
- This bottle is suitable for long-term use with small secular change.

- Specification**
- Material: Body-Outer Cap: PFA (fluoropolymer), Inner Cap: PTFE (fluoropolymer)
 - Heat Resistance Temperature (at 100°C): 200°C
 - Overpressure

POLYETHYLENE BOTTLE(Wide Mouth)

Order No.	Capacity (L)	Body OD (mm)	Reference Price
2-011-01	2	φ115 × φ130 × 200	\$4
2-011-02	3	φ135 × φ150 × 200	\$5.1
2-011-03	5	φ174 × φ195 × 200	\$7.8
2-011-04	10	φ217 × φ237 × 200	\$12.4
2-011-05	20	φ261 × φ284 × 200	\$19.9
2-011-06	30	φ277 × φ305 × 272	\$41.1

- Specification**
- Material: Body-Outer (ad-100%) high density polyethylene, Inner Cap: LDPE (low density polyethylene)

- Quantity per Case**
- 2-011-01 ~ 2-011-04: 100 pieces, 2-011-05: 50 pieces, 2-011-06: 25 pieces



WIDE-MOUTH BOTTLE(made of HDPE)

Capacity	Material (Body/Cap)	Order No.	Reference Price	Case Quantity	Order No.	Reference Price
20ml	HDPE (Body/Cap)	1-1	\$0.4	1 box (100 pieces)	1-1	\$70.8
100ml	HDPE (Body/Cap)	1-2	\$0.4	1 box (100 pieces)	1-2	\$37.3
250ml	HDPE (Body/Cap)	1-3	\$0.5	1 box (100 pieces)	1-3	\$42.2
500ml	HDPE (Body/Cap)	1-4	\$0.6	1 box (100 pieces)	1-4	\$51.2
1000ml	HDPE (Body/Cap)	1-5	\$1.4	1 box (25 pieces)	1-5	\$81
1L	HDPE (Body/Cap)	1-6	\$1.8	1 box (25 pieces)	1-6	\$81.3

- Specification**
- Material: Body-Outer Cap: HDPE (high density polyethylene), Inner Cap: LDPE (low density polyethylene)

NARROW-MOUTH BOTTLE(with internal cap)

Capacity	Material (Body/Cap)	Order No.	Reference Price	Case Quantity	Order No.	Reference Price
20ml	HDPE (Body/Cap)	1-1	\$0.4	1 box (100 pieces)	1-1	\$70.8
100ml	HDPE (Body/Cap)	1-2	\$0.4	1 box (100 pieces)	1-2	\$37.3
250ml	HDPE (Body/Cap)	1-3	\$0.5	1 box (100 pieces)	1-3	\$42.2
500ml	HDPE (Body/Cap)	1-4	\$0.6	1 box (100 pieces)	1-4	\$51.2
1000ml	HDPE (Body/Cap)	1-5	\$1.4	1 box (25 pieces)	1-5	\$81
1L	HDPE (Body/Cap)	1-6	\$1.8	1 box (25 pieces)	1-6	\$81.3

- Specification**
- Material: Body-Outer Cap: HDPE (high density polyethylene), Inner Cap: LDPE (low density polyethylene)

WIDE MOUTH BOTTLE(HDPE-Light-Shielding)

Order No.	Capacity	Material (Body/Cap)	Reference Price
2-017-01	100ml	HDPE (Body/Cap)	\$0.7
2-017-02	250ml	HDPE (Body/Cap)	\$0.8
2-017-03	500ml	HDPE (Body/Cap)	\$1.4
2-017-04	1L	HDPE (Body/Cap)	\$1.8
2-017-05	2L	HDPE (Body/Cap)	\$4.1
2-017-06	5L	HDPE (Body/Cap)	\$5.8
2-017-07	10L	HDPE (Body/Cap)	\$8.7

- Specification**
- Material: Body-Outer Cap: HDPE (high density polyethylene), Inner Cap: LDPE (low density polyethylene)

- Quantity per Case**
- 100ml ~ 250ml: 1000 pieces, 500ml ~ 1000ml: 500 pieces, 2L ~ 10L: 100 pieces



PFA VESSEL

Order No.	Material No.	Capacity (L)	Body OD (mm)	Reference Price
1-1010-01	PFA-01	10	φ250 × φ250 × 120	\$14.7
1-1010-02	PFA-02	20	φ250 × φ250 × 120	\$18.5
1-1010-03	PFA-03	40	φ250 × φ250 × 120	\$29
1-1010-04	PFA-04	100	φ250 × φ250 × 120	\$34.4
1-1010-05	PFA-05	200	φ250 × φ250 × 120	\$51.2
1-1010-06	PFA-06	300	φ250 × φ250 × 120	\$43.7

- Specification**
- Product has resistance to acid, alkali, organic solvent, and inorganic medical products, and does not react.
 - Allows regular use under temperature of -190~+250°C.

- Quantity per Case**
- 1-1010-01 ~ 1-1010-06: 100 pieces, 1-1010-07 ~ 1-1010-12: 50 pieces

PE OINTMENT BOTTLE

Order No.	Capacity	Material (Body/Cap)	Reference Price
1-4017-01	100ml	PE (Body/Cap)	\$0.9
1-4017-02	200ml	PE (Body/Cap)	\$1.1
1-4017-03	500ml	PE (Body/Cap)	\$1.4
1-4017-04	1000ml	PE (Body/Cap)	\$2.8
1-4017-05	2L	PE (Body/Cap)	\$5.8
1-4017-06	5L	PE (Body/Cap)	\$8.7

- Specification**
- Material: Body-Outer Cap: PE (high density polyethylene), Inner Cap: LDPE (low density polyethylene)

- Quantity per Case**
- 100ml ~ 200ml: 1000 pieces, 500ml ~ 1000ml: 500 pieces, 2L ~ 5L: 100 pieces



FLAT BOTTLE(with stopcock)

Order No.	Capacity (L)	Material (Body/Cap)	Reference Price
4-5110-01	10	PP (Body/Cap)	\$17.7
4-5110-02	20	PP (Body/Cap)	\$17.7
4-5110-03	50	PP (Body/Cap)	\$18.4

- Specification**
- Prevent liquid leak with rotation stopcock, and delicate flow regulation is possible.
 - Since air hole is equipped to body, quick discharge is possible.
 - Designed for easy storage and arrangement with less protruding form.



SQUARE BOTTLE

Order No.	Capacity (L)	Material (Body/Cap)	Reference Price
4-5110-01	10	PP (Body/Cap)	\$17.7
4-5110-02	20	PP (Body/Cap)	\$17.7
4-5110-03	50	PP (Body/Cap)	\$18.4

- Specification**
- Prevent liquid leak with rotation stopcock, and delicate flow regulation is possible.
 - Since air hole is equipped to body, quick discharge is possible.
 - Designed for easy storage and arrangement with less protruding form.

SEALED TANK

Order No.	Model No.	Capacity (L)	Upper D.O. (mm)	Lower D.O. (mm)	Reference Price
S-300-01	SN-10000	5.5	φ180	φ180	\$17.3
S-300-02	SN-4000	4	φ154	φ154	\$15.8
S-300-03	SN-4000	4	φ154	φ154	\$15.8
S-300-04	SN-10000	12	φ205	φ205	\$27.9
S-300-05	SN-20000	20	φ285	φ285	\$41.3
S-300-06	SN-20000	20	φ285	φ285	\$41.3
S-300-07	Open	-	-	-	\$20.3

SN-0 is double cover type of outer lid and middle lid.

Specification

Upper D.O. (mm) x Height:

SN-2 / φ180 x φ152 x 17mm

SN-4 / φ202 x φ165 x 18mm

SN-12 / φ300 x φ276 x 26mm

SN-20 / φ300 x φ271 x 30mm

Material: Body / HDPE (high density polyethylene), Lid / LDPE (low density polyethylene), Packing / (Elasticity OF type 770)

Heat Resistant Temperature: Body / 100°C, Lid / 60°C

Cold Resistant Temperature: -30°C

At Long Period of Use: -90°C



AIRTIGHT STORAGE CONTAINER

Order No.	Model No.	Capacity (mL)	Outer Dimensions (mm)	Reference Price
S-300-01	S-3	100	84 x 57 x 44	\$1.9
S-300-02	S-10	160	117 x 84 x 28	\$1.7
S-300-03	S-21	220	117 x 84 x 44	\$2.3
S-300-04	S-12	140	117 x 84 x 27	\$2.1
S-300-05	S-15	300	129 x 91 x 60	\$2.6
S-300-06	S-20	320	167 x 117 x 39	\$3.4
S-300-07	S-21	400	167 x 117 x 39	\$3.4
S-300-08	S-22	780	167 x 117 x 58	\$4.4
S-300-09	S-23	1200	167 x 117 x 89	\$6.5
S-300-10	S-24	1470	196 x 133 x 80	\$6.9
S-300-11	S-27	2800	219 x 178 x 50	\$8.3
S-300-12	S-28	3000	251 x 201 x 60	\$9.8
S-300-13	S-29	3500	226 x 162 x 58	\$6.3
S-300-14	S-31	4400	252 x 187 x 58	\$7.5

Order No.	Model No.	Capacity (mL)	Outer Dimensions (mm)	Reference Price
S-300-15	S-32	5700	271 x 200 x 90	\$10.3
S-300-16	S-33	6800	324 x 240 x 102	\$14.3
S-300-17	S-34	7900	324 x 240 x 102	\$9.4
S-300-18	S-35	2200	209 x 122 x 90	\$5.8
S-300-19	S-37	950	121 x 121 x 90	\$4.3
S-300-20	S-38	1080	151 x 151 x 99	\$4.9
S-300-21	S-39	1680	171 x 171 x 111	\$5.9
S-300-22	S-42	1700	157 x 151	\$4.3
S-300-23	S-152	1800	271 x 201 x 41	\$8.7
S-300-24	S-153	1180	255 x 241 x 52	\$11.7
S-300-25	S-154	4180	365 x 270 x 55	\$12.8
S-300-26	S-155	780	167 x 117 x 58	\$9.8
S-300-27	S-156	700	252 x 187 x 58	\$10.3



Specification

Material: Main part (PS), Lid (LDPE) or LDPE (S-22N and S-20N only), EVA (vinyl acetate and ethyl vinyl alcohol) (S-22 and S-23N External dimensions: 101 x 74 x 46 mm (S-22) and 107 x 79 x 46 mm (S-23N). Internal dimensions: 95 x 68 x 44 mm (S-22) and 100 x 68 x 44 mm (S-23).



SQUARE CONTAINER

Order No.	Model No.	Outer Dimensions (mm)	Quantity	Reference Price
S-400-01	1 Type	40 x 40 x 14	1000	\$19.2
S-400-02	2 Type	40 x 40 x 15	1000	\$22.1
S-400-03	3 Type	75 x 50 x 18	1000	\$23
S-400-04	4 Type	85 x 50 x 19	1000	\$33.1
S-400-05	5 Type	100 x 50 x 28	1000	\$11.7
S-400-06	6 Type	110 x 80 x 21	1000	\$14.3
S-400-07	7 Type	124 x 85 x 18	1000	\$12.8
S-400-08	8 Type	140 x 84 x 22	1000	\$17.7
S-400-09	9 Type	160 x 90 x 45	1000	\$20.7
S-400-10	10 Type	164 x 104 x 24	1000	\$27.9
S-400-11	11 Type	221 x 141 x 27	1000	\$14.3
S-400-12	12 Type	270 x 180 x 27	1000	\$29.3
S-400-13	13 Type	370 x 225 x 27	1000	\$35.8
S-400-14	14 Type	370 x 240 x 30	1000	\$31.6
S-400-15	15 Type	525 x 225 x 30	1000	\$36.1
S-400-16	16 Type	100 x 100 x 20	1000	\$2.1
S-400-17	17 Type	100 x 100 x 20	1000	\$2.1
S-400-18	18 Type	140 x 140 x 25	1000	\$2.9
S-400-19	19 Type	100 x 100 x 20	1000	\$4.7
S-400-20	20 Type	172 x 82 x 27	1000	\$28.1

*Type 1-11 (1-15) are available.

PRECISION INSTRUMENT TRANSPORT STORAGE CONTAINER

Order No.	Model No.	Outer Dimensions (mm)	Inner Dimensions of Inside (mm)	Reference Price
S-500-01	12121	20 x 20 x 18	18 x 18 x 8	\$40.7
S-500-02	13	300 x 100 x 10	54 x 15 x 15	\$15.1
S-500-03	23	1000 x 200 x 20	420 x 20 x 18	\$15.8
S-500-04	32	1000 x 100 x 20	420 x 20 x 18	\$17.3
S-500-05	348	100 x 100 x 20	112 x 62 x 18	\$18.1
S-500-06	320	1000 x 100 x 10	194 x 104 x 8	\$24.9
S-500-07	467	300 x 100 x 10	754 x 54 x 40	\$24.9
S-500-08	457	300 x 200 x 10	754 x 154 x 40	\$28.5
S-500-09	7180	250 x 200 x 10	204 x 154 x 40	\$33.9
S-500-10	1440	275 x 200 x 200	182 x 170	\$49

Container inside is firmly fixed with elastic film, and prevent breakage under crack during transportation or damage by contact of items each other.

Protruding items can also be used.

Specification

Material: Body / PS (polystyrene), Elastic Film / PE (polyethylene)

Quantity: 12121 / 10 pieces, Others / 1 piece

Application

For transportation and storage of medical products, such as blood products, and delicate medical equipment, and chemical experiment tools.

PFA TRAY



PLASTIC UNIVERSAL TRAY

Order No.	Model No.	Outer Dimensions (mm)	Inner Dimensions (mm)	Reference Price
S-501-01	L	240 x 173 x 40	204 x 139 x 33	\$12.5
S-501-02	M	295 x 200 x 40	255 x 168 x 33	\$17.3
S-501-03	L	340 x 240 x 40	305 x 200 x 33	\$29.7
S-501-04	LL	385 x 297 x 40	345 x 245 x 33	\$38.7

Specification

Material: PFA (fluoropolymer)

WASHING BOTTLE (Narrow Mouth)

Order No.	Model No.	Capacity (mL)	Upper Outer Dimensions (mm)	Reference Price
S-502-01	PS-1	20	130 x 70 x 51	\$4.4
S-502-02	PS-2	40	170 x 70 x 51	\$6.3
S-502-03	PS-3	70	240 x 70 x 51	\$10.7

Specification

Material: PP (polypropylene)



WIDE-MOUTH WASHING BOTTLE

Order No.	Capacity (mL)	Outer Dimensions (mm)	Reference Price
S-503-01	20	53	\$1.9
S-503-02	50	53	\$2.4
S-503-03	100	53	\$3.1

*The picture is just for reference.

Specification

Material: Body / HDPE (high density polyethylene), Cap / HDPE (high density polyethylene)

Quantity per Case

2000 / 2000 (5000 / 10000)



WASHING BOTTLE (Wide Mouth)

Order No.	Capacity (mL)	Outer Dimensions (mm)	Reference Price
S-504-01	20	53	\$1.9
S-504-02	50	53	\$2.4
S-504-03	100	53	\$3.1

*The picture is just for reference.

Specification

Color-coded bottles are ideal for quick identification of many special solutions.

Avoiding liquid spill by integrated lid and nozzle.

Specification

Material: PP (polypropylene)

Quantities: 1000 / 1000, 2000 / 2000, 5000 / 5000, 10000 / 10000



PFA WASHING BOTTLE

Capacity (mL)	Order No.	Outer Dimensions (mm)	Reference Price
100	-01	134.6	\$29.7
250	-02	151.7	\$36.5
500	-03	170	\$52
1000	-04	184.1	\$105.6

It excels in corrosion resistance and gas barrier performance.

Specification

Material: Body / Teflon Super PFA (fluoropolymer)



GAS WASHING BOTTLE

Order No.	Model No.	Capacity (mL)	Outer Dimensions (mm)	Reference Price
S-505-01	PTA300	300	φ40 x φ200	\$320.8
S-505-02	PTA200	200	φ40 x φ200	\$380.3
S-505-03	PTA100	100	φ40 x φ200	\$440.6
S-505-04	PTA100	1000	φ40 x φ200	\$504.6

Specification

Material: Body / PFA (fluoropolymer), Ball / Teflon / PTFE (fluoropolymer)



ADJUSTABLE SPRAY BOTTLE

Order No.	Model No.	Color	Capacity (ml)	Reference Price
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- Trigger sprayer is easy to use and shape of body provides good stability.
- End nozzle can be adjusted for fine mist or stream.
- Structure of this product prevents ingress of large particles of dust and debris.
- Specification:
 - Material: Body: PE (polyethylene), Trigger Sprayer: PP (polypropylene)
 - Capacity of Trigger: approx. 100-150ml



SPRAY BOTTLE (Autoclavable)

Order No.	Model No.	Capacity (ml)	Reference Price
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- Autoclavable spray for disinfection.
- Ethanol for disinfection and insect soap can be used.
- Specification:
 - Material: Container: Triplex Sprayer / PP (polypropylene), Hose: Silicone
 - Spray Amount: 1ml/push



GLASS JAR

Order No.	Capacity (ml)	Dimensions (mm)	Quantity	Reference Price
E-128-01	50	φ120x40 H28	1 piece	\$0.8
E-128-02	100	φ140x50 H35		\$1
E-128-03	200	φ170x60 H40		\$1.1
E-128-04	400	φ200x80 H48		\$1.6
E-128-05	600	φ250x90 H58	10 pieces	\$2.1
E-128-06	800	φ280x100 H65		\$2.3
E-128-07	1000	φ300x110 H70		\$2.5
E-128-08	1500	φ350x120 H80		\$3.5
E-128-09	2000	φ400x130 H90	100 pieces	\$4.9
E-128-10	4000	φ500x150 H110		\$11.9
E-128-11	6000	φ600x160 H120		\$19.9

- Specification:
 - Material: Body / Soda-lime Glass, Outer Cap: PP (polypropylene), Inner Cap: PE (polyethylene)



WEIGHING BOTTLE

Order No.	Model No.	Capacity (ml)	Reference Price
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- Specification:
 - Material: Borosilicate glass



SCREW-TOP REAGENT BOTTLE (Amber Type)

Order No.	Capacity (ml)	Color	Quantity	Reference Price
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- High heat and chemical resistance.
- The cap and seal are made of polypropylene (PP) and have excellent chemical resistance.
- Specification:
 - Material: Borosilicate glass (bottle) and PP (cap)
 - Threading standard: G1/4" • Can be autoclaved (121°C, 15 min)



SCREW-TOP REAGENT BOTTLE

Order No.	Capacity (ml)	Standard	Quantity	Reference Price
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- High heat and chemical resistance.
- The cap and seal are made of polypropylene (PP) and have excellent chemical resistance.
- High transparent and versatile.
- Specification:
 - Material: Borosilicate glass (bottle) and PP (cap)
 - Threading standard: G1/4" • Can be autoclaved (121°C, 15 min)



SCREW TUBE BOTTLE

Order No.	Model No.	Capacity (ml)	Quantity	Reference Price
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- Specification:
 - Material: Cap: PP (polypropylene), Body: Borosilicate Glass, Packing: PP (polypropylene) High Sheet



SCREW TUBE BOTTLE

Order No.	Model No.	Capacity (ml)	Dimensions (mm)	Quantity	Reference Price
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- Quantity per package:
 - 1.5-7ml: 200pieces, 7.5-10ml: 100pieces, 13.5-110ml: 50pieces



STANDARD BOTTLE (Wide Mouth)

Model No.	Stock	Head (mm)	Order No.	Capacity (ml)	Reference Price
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- Specification:
 - Material: Body / Soda-lime Glass, Cap: PP (polypropylene), Inner Cap: PP (polyethylene)

VIAL FOR AUTO SAMPLER

Order No.	Model No.	Capacity (ml)	Quantity	Reference Price
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- Suitable for the GC autosampler (Agilent/Waters).
- The side of the cap has an uneven surface to prevent clipping.
- Specification:
 - Material: Borosilicate glass (green/purple) and PP (cap)
 - Capacity: 2 ml
 - Cap size: 9-425 (short threaded)
 - Size: φ13.6 × 32 mm





AS ONE SAMPLE TUBE BOTTLE

Order No.	Model No.	Capacity (ml)	Size (mm)	Quantity	Reference Price
SI-0001-24	Transparent	30	27.5 × 57	1 box (100 pieces)	\$25.3
SI-0001-25	Brown	30	27.5 × 57		\$26.7
SI-0001-26	Transparent	30	27.5 × 73.5		\$24.3
SI-0001-27	Brown	30	27.5 × 73.5		\$27.2
SI-0001-28	Transparent	40	27.5 × 96		\$28.3
SI-0001-29	Brown	40	27.5 × 96		\$31.2
SI-0001-30	Transparent	50	27.5 × 113		\$27.7
SI-0001-31	Brown	50	27.5 × 113		\$30.6
SI-0001-32	Transparent	80	27.5 × 140		\$26.7
SI-0001-33	Brown	80	27.5 × 140		\$29.6

※ The sample bottle is not provided with a cap.

- Specification
- Body material: Borosilicate glass
 - Cap packing material: Silicone rubber (PTFE)



FLUID DISPENSER CONTAINER

Order No.	Model No.	Capacity (ml)	Size (mm)	Reference Price
LA-012-01	200	170	99×108	\$18.3
LA-012-02	500	380	99×180	\$19.9
LA-012-10	Replacement Cap-Ring Set for 200			\$7.5
LA-012-11	Replacement Cap-Ring Set for 500			\$7.5

※ The price is per bottle.

- Certain amount of liquid comes out, and liquid can be saved.
- The mouth is not open, liquid does not evaporate.
- Liquid rarely spills out even when tilted down.
- Liquid comes out by just light push head, brings high workability.
- Cap is attached on liquid exit port for not liquid jumping.

- Specification
- Material: Body / Soda Lime Glass, Cap-Ring Cap: PP/polypropylene, Pump out / Mouth-Nickel Plate Tube: PTFE fluorinated

- Quantity per Case
- 10 pieces

FOLDING CONTAINER

Order No.	Model No.	Color (Reference)	Size (mm)	Capacity (L)	Reference Price
LA-001-01	LA-001-01	Blue	100×100×110	1.5	\$11.1
LA-001-02	LA-001-02	White	100×100×110	1.5	\$11.1
LA-001-03	LA-001-03	Blue	100×100×110	3.0	\$11.1
LA-001-04	LA-001-04	White	100×100×110	3.0	\$11.1
LA-001-05	LA-001-05	Blue	100×100×110	4.5	\$11.1
LA-001-06	LA-001-06	White	100×100×110	4.5	\$11.1
LA-001-07	LA-001-07	Blue	100×100×110	6.0	\$11.1
LA-001-08	LA-001-08	White	100×100×110	6.0	\$11.1

※ The price is 1 L height of cubic aluminum at 1.5mm.

- Specification
- Material: PP/polypropylene
 - Capacity: TR-0500 / 35.3L, TR-0400 / 42.9L, TR-0300 / 52.7L, TR-0200 / 64.1L, TR-0100 / 82.5L, TR-0050 / 165.1L
 - Max. Loading Capacity: 10kg
 - Accessories: Zipper (1) with Slider (Lock) (1) (TR-C type only)



DROPPER BOTTLE (Square Shape)

Order No.	Capacity (ml)	Body Dia. × Total Height (mm)	Color	Reference Price
SI-01	10	22 × 40.4	Clear	\$3.3
SI-02	30	32 × 52.2	Clear	\$3.4
SI-03	50	32 × 73.4	Clear	\$3.5
SI-04	80	44 × 112.4	Clear	\$4.1
SI-05	120	52 × 125.7	Clear	\$4.8

※ The price is per bottle.

- Specification
- Material: Body / Soda Lime Glass, Glass Dropper / Borosilicate Glass, Rubber Cap / PP/polypropylene, Dropper Rubber / Latex, Over Cap / Ultra Bottle

- Quantity per Case
- 10 / 30ml / 100ml (24 bottles), 60 / 120ml / 150ml (12 bottles)



DISPOSABLE ALUMINUM CUP

Order No.	Model No.	Capacity (ml)	Size (mm)	Reference Price
LA-013-01	No. 10	50	99×103	\$35.4
LA-013-02	No. 12	100	99×170	\$33.5
LA-013-03	No. 10	50	99×170	\$6.1
LA-013-04	No. 1074	40	99×140	\$2.9
LA-013-05	No. 1074	70	99×140	\$3.2

- Specification
- Quantity: No. 10-12-10 / 100 pieces, No. 1074-10 / 100 pieces, No. 1074-10 / 100 pieces, No. 1074-10 / 100 pieces



STAINLESS STEEL STORAGE CONTAINER (SUS304)

Order No.	Model No.	Capacity (ml)	Size (mm)	Reference Price
LA-014-01	Small	100	99×103	\$2.1
LA-014-02	Large	200	99×170	\$3.1
LA-014-03	Extra Large	400	99×270	\$18.1
LA-014-04	Super Extra Large	500	99×270	\$21.1
LA-014-05	Medium	100	99×103	\$2.1
LA-014-06	Large	200	99×170	\$3.1
LA-014-07	Extra Large	400	99×270	\$18.1
LA-014-08	Super Extra Large	500	99×270	\$21.1
LA-014-09	Medium	100	99×103	\$2.1
LA-014-10	Large	200	99×170	\$3.1
LA-014-11	Extra Large	400	99×270	\$18.1
LA-014-12	Super Extra Large	500	99×270	\$21.1
LA-014-13	Medium	100	99×103	\$2.1
LA-014-14	Large	200	99×170	\$3.1
LA-014-15	Extra Large	400	99×270	\$18.1
LA-014-16	Super Extra Large	500	99×270	\$21.1

※ Capacity shows approximate value that container is filled to lower end of screw mouth.

- Lid and body are fixed by screwing lid.
- By using separately sold packing, possible to seal container with resin.



STAINLESS STEEL SEALED TANK (Handle Type-SUS304)

Order No.	Model No.	Capacity (L)	Size (mm)	Reference Price
LA-015-01	CTH-10	10	100×100×100	\$74.4
LA-015-02	CTH-20	20	100×100×100	\$86.4
LA-015-03	CTH-30	30	100×100×100	\$104.7
LA-015-04	CTH-40	40	100×100×100	\$117.5
LA-015-05	CTH-50	50	100×100×100	\$131.8
LA-015-06	CTH-60	60	100×100×100	\$146.4
LA-015-07	CTH-70	70	100×100×100	\$161.2
LA-015-08	CTH-80	80	100×100×100	\$176.4
LA-015-09	CTH-90	90	100×100×100	\$192.1
LA-015-10	CTH-100	100	100×100×100	\$208.4
LA-015-11	CTH-120	120	100×100×100	\$225.1
LA-015-12	CTH-140	140	100×100×100	\$242.1

※ CTH-100 and CTH-140 supply with bottom handle.

- It is suitable for better control and storage of samples which have dangerous.
- Catch clip is attached on body, so it saves space when taking off lid.

- Specification
- Material: Body / SUS304, Stainless Steel (SUS304), Packing / Seal on Rubber
 - Quantity of Hook on lid: CTH-20-30-40-50-60-70-80-90-100-120-140 / 1PCS, CTH-10-100 / 2PCS, CTH-100 / 2PCS



STAINLESS STEEL TRAY (Deep Type)

Order No.	Model No.	Color (Reference)	Size (mm)	Capacity (L)	Reference Price
LA-016-01	LA-016-01	Blue	100×100×110	1.5	\$2.3
LA-016-02	LA-016-02	White	100×100×110	1.5	\$2.3
LA-016-03	LA-016-03	Blue	100×100×110	3.0	\$2.3
LA-016-04	LA-016-04	White	100×100×110	3.0	\$2.3
LA-016-05	LA-016-05	Blue	100×100×110	4.5	\$2.3
LA-016-06	LA-016-06	White	100×100×110	4.5	\$2.3
LA-016-07	LA-016-07	Blue	100×100×110	6.0	\$2.3
LA-016-08	LA-016-08	White	100×100×110	6.0	\$2.3
LA-016-09	LA-016-09	Blue	100×100×110	7.5	\$2.3
LA-016-10	LA-016-10	White	100×100×110	7.5	\$2.3
LA-016-11	LA-016-11	Blue	100×100×110	9.0	\$2.3
LA-016-12	LA-016-12	White	100×100×110	9.0	\$2.3
LA-016-13	LA-016-13	Blue	100×100×110	10.5	\$2.3
LA-016-14	LA-016-14	White	100×100×110	10.5	\$2.3
LA-016-15	LA-016-15	Blue	100×100×110	12.0	\$2.3
LA-016-16	LA-016-16	White	100×100×110	12.0	\$2.3
LA-016-17	LA-016-17	Blue	100×100×110	13.5	\$2.3
LA-016-18	LA-016-18	White	100×100×110	13.5	\$2.3
LA-016-19	LA-016-19	Blue	100×100×110	15.0	\$2.3
LA-016-20	LA-016-20	White	100×100×110	15.0	\$2.3

※ The price is per tray.

- Specification
- Material: Stainless Steel (SUS304)





ERLENMEYER FLASK

Order No.	Model No.	Capacity (ml)	Material	Reference Price
12-0001-01	24/25	250	105 x 145	\$1.2
12-0001-02	24/25	500	105 x 180	\$4.0
12-0001-03	24/25	1000	111 x 230	\$6.6
12-0001-04	24/25	2000	126 x 280	\$8.5
12-0001-05	24/25	3000	127 x 310	\$13
12-0001-06	24/25	5000	130 x 340	\$61.2

- Specification
● Material: Borosilicate glass 3.3



ROUND-BOTTOM FLASK

Order No.	Model No.	Capacity (ml)	Material	Reference Price
12-0011-01	24/25	50	45 x 105	\$1.7
12-0011-02	24/25	100	45 x 125	\$4.8
12-0011-03	24/25	250	60 x 155	\$8.1
12-0011-04	24/25	500	80 x 180	\$12.2
12-0011-05	24/25	1000	100 x 210	\$13.5
12-0011-06	24/25	2000	135 x 260	\$21.8
12-0011-07	24/25	3000	170 x 325	\$47.8
12-0011-08	24/25	5000	200 x 420	\$81.6

- Specification
● Material: Borosilicate glass-1



PFA ROUND BOTTOM FLASK

Order No.	Type	Capacity (ml)	Order Date	Reference Price
1-0001-01	2 Neck			\$406.7
1-0001-02	3 Neck	000	20/32	\$519.7
1-0001-03	4 Neck		11/25	\$622.6

- Even if it is dropped there is no fear of damaging.
● It excels in chemical resistance.

- Specification
● Material: PFA (Fluoropolymer)



SEPARABLE FLASK(Round shape)

Order No.	Capacity (ml)	Material	Reference Price
4-0011-01	400	75 x 100 x 120	\$50.5
4-0011-02	500	75 x 100 x 130	\$54.7
4-0011-03	1000	75 x 130 x 160	\$87.7
4-0011-04	1000	120 x 130 x 155	\$100.2
4-0011-05	2000	120 x 150 x 180	\$140.8
4-0011-06	3000	120 x 150 x 230	\$207.9
4-0011-07	5000	130 x 230 x 270	\$338.5

- Specification
● Material: Body/Borosilicate glass 3.3, PTFE/PP glass



PFA SEPARATORY FUNNEL

Order No.	Capacity (ml)	Material	Reference Price
1-1001-01	100	PFA (Round)	\$88.9
1-1001-02	200	PFA (Round)	\$133.3
1-1001-03	500	TEF (Round)	\$224.7

- Non-hygroscopic funnel can completely discharge chemicals.
● Tetrafluorethylene based stopcock requires no lubricating oil.



SEPARATORY FUNNEL(Squibb Type-TEFLON® stopcock)

Order No.	Capacity (ml)	Material	Reference Price
1-1001-04	50	50	\$55
1-1001-05	100	50	\$55
1-1001-06	200	75	\$65.5
1-1001-07	250	75	\$70.8
1-1001-08	500	85	\$70.8
1-1001-09	1000	90	\$88.9
1-1001-10	1000	130	\$134.1

- Specification
● Material: Body/Borosilicate glass 3.3, PTFE/PP glass



QUARTZ EVAPORATION DISH

Order No.	Capacity (ml)	Material	Reference Price
12-0001-01	50	65 x 35	\$51
12-0001-02	100	85 x 40	\$82.9
12-0001-03	150	90 x 40	\$92
12-0001-04	200	90 x 50	\$95.8

- Specification
● Material: Quartz glass



WATCH GLASS

Order No.	Capacity (ml)	Material	Reference Price
1-2001-01	50	50	\$8.3
1-2001-02	60	50	\$13.3
1-2001-03	75	50	\$12.4
1-2001-04	90	50	\$12.4
1-2001-05	100	50	\$15.7
1-2001-06	120	50	\$20.7

- Specification
● Material: PTFE (Fluoropolymer) ● Heat Resistant Temperature: 260°C



BEAKER

Order No.	Capacity (ml)	Material	Reference Price
12-0001-01	50	25 x 55	\$0.8
12-0001-02	100	25 x 65	\$0.8
12-0001-03	250	37 x 84	\$0.8
12-0001-04	500	42 x 101	\$0.8
12-0001-05	1000	45 x 117	\$1.1
12-0001-06	2000	65 x 180	\$1.2
12-0001-07	3000	75 x 194	\$1.6
12-0001-08	5000	85 x 217	\$2.2
12-0001-09	10000	100 x 247	\$3.5
12-0001-10	20000	120 x 280	\$6.8
12-0001-11	30000	150 x 317	\$11
12-0001-12	50000	180 x 378	\$18.5

- Specification
● Material: Borosilicate glass



TPX BEAKER

Capacity (ml)	Material	Reference Price
30	10	\$1.4
100	25	\$2.2
200	25	\$2.7
500	25	\$2.7
1000	50	\$4.7
2000	50	\$8.2
3000	100	\$9.8
5000	100	\$16.8
10000	200	\$28.9

- Specification
● Material: TPX (polypropylene)
● Functional Temperature Range: -20 ~ 120°C

DISPOSABLE CUP(Blow Molding)

Capacity (ml)	Material	Reference Price
100	10	\$1.0
150	10	\$1.1
200	10	\$1.2
300	10	\$1.3
500	10	\$1.4
1000	10	\$1.5
2000	10	\$1.6

- Possible to stacked compactly.
● Specification
● Material: PP(polypropylene) ● Autoclave not possible

DISPOSABLE CUP(Vacuum Molding)

Capacity (ml)	Material	Reference Price
100ml	10	\$1.0
150ml	10	\$1.1
200ml	10	\$1.2
300ml	10	\$1.3
500ml	10	\$1.4
1000ml	10	\$1.5
2000ml	10	\$1.6

- Bottom is flat because of vacuum molding.
● Specification
● Material: PP(polypropylene-semi transparent) ● Autoclave not possible



PP BEAKER(with Handle)

Order No.	Capacity (ml)	Material	Reference Price
1-0001-01	100	30	\$1.1
1-0001-02	200	30	\$1.6
1-0001-03	500	35	\$1.7
1-0001-04	1000	40	\$2.3
1-0001-05	2000	50	\$4
1-0001-06	3000	50	\$6.2
1-0001-07	5000	70	\$10.7

- These beakers excel in chemical resistance.
● Specification
● Material: PP(polypropylene)



STAINLESS STEEL BEAKER

Capacity (ml)	Material	Reference Price
10	25	\$7.2
25	25	\$8.1
50	25	\$9.8
100	30	\$15.1
200	30	\$18.1
500	35	\$23.3
1000	40	\$24.6
2000	50	\$39.9
3000	50	\$54

- The cup contains the beaker mouth.
● It and 1.1 are polypropylene, the other ones are polypropylene.



VOLUMETRIC FLASK

Order No.	Model	Capacity (mL)	Material	Tolerance (mL)	Weight (g)	Reference Price
1-1000-01	1000	1000	Standard	±0.05	1000	\$141.1
1-1000-02	1000	1000	Amber	±0.05	1000	\$145.3
1-1000-03	1000	1000	High Precision	±0.02	1000	\$148.7
1-1000-04	1000	1000	Standard	±0.10	1000	\$184.6
1-1000-05	1000	1000	Amber	±0.10	1000	\$230.5
1-1000-06	1000	1000	High Precision	±0.05	1000	\$265.1

- High precision type is more precisely than JIS standard.
- Corrosion: Amber flask is coated amber on outside surface by special ink, so solution causing no contamination by metal ion from coloring.
- Specification:
 - Material: Borosilicate Glass 1
 - Standard: Marked JIS R 3005 Standard Class A
 - Capacity precision and the ink film are on body surface.
 - Traceability System Chart and Calibration Certificate are available (extra charge is required).



PFA VOLUMETRIC FLASK

Order No.	Model	Capacity (mL)	Material	Tolerance (mL)	Weight (g)	Reference Price
1-1000-07	1000	1000	PFA	±0.05	1000	\$141.1
1-1000-08	1000	1000	PFA	±0.05	1000	\$145.3
1-1000-09	1000	1000	PFA	±0.02	1000	\$148.7
1-1000-10	1000	1000	PFA	±0.10	1000	\$184.6
1-1000-11	1000	1000	PFA	±0.10	1000	\$230.5
1-1000-12	1000	1000	PFA	±0.05	1000	\$265.1

- Excellent chemical resistance to acid, alkali, and the organic solvent.
- Wide temperature range allowed from -200 to +200°C.
- Specification:
 - Material: PFA (Borelco)
 - Screw Cap Standard: 04 05 / 02.5L Other / 02.5L



PP VOLUMETRIC FLASK

Order No.	Model	Capacity (mL)	Material	Tolerance (mL)	Weight (g)	Reference Price
1-1000-13	1000	1000	PP	±0.05	1000	\$141.1
1-1000-14	1000	1000	PP	±0.05	1000	\$145.3
1-1000-15	1000	1000	PP	±0.02	1000	\$148.7
1-1000-16	1000	1000	PP	±0.10	1000	\$184.6
1-1000-17	1000	1000	PP	±0.10	1000	\$230.5
1-1000-18	1000	1000	PP	±0.05	1000	\$265.1

- The plastic measuring flask with a polyethylene stopper reduces the risk of breakage.
- Can be autoclaved.
- Product shrinkage may occur under certain conditions.
- Specification:
 - Material: PP
 - Operating temperature range: 0°C to 121°C

MEASURING CYLINDER

Order No.	Model	Capacity (mL)	Material	Tolerance (mL)	Weight (g)	Reference Price
1-1000-19	1000	1000	Standard	±0.5	1000	\$9.8
1-1000-20	1000	1000	Amber	±0.5	1000	\$9.8
1-1000-21	1000	1000	High Precision	±0.2	1000	\$10.5
1-1000-22	1000	1000	Standard	±1.0	1000	\$12.8
1-1000-23	1000	1000	Amber	±1.0	1000	\$14.7
1-1000-24	1000	1000	High Precision	±0.5	1000	\$16.6
1-1000-25	1000	1000	Standard	±2.0	1000	\$20.3
1-1000-26	1000	1000	Amber	±2.0	1000	\$21.9
1-1000-27	1000	1000	High Precision	±1.0	1000	\$25.4
1-1000-28	1000	1000	Standard	±3.0	1000	\$32.4
1-1000-29	1000	1000	Amber	±3.0	1000	\$34.8
1-1000-30	1000	1000	High Precision	±1.5	1000	\$42.9

- Specification:
 - Material: Borosilicate Glass 1
 - Marked JIS R 3005 Standard Class A
 - Capacity precision and the ink film are on body surface.
 - Traceability System Chart and Calibration Certificate are available (extra charge is required).



PP MEASURING CYLINDER

Order No.	Model	Capacity (mL)	Material	Tolerance (mL)	Weight (g)	Reference Price
1-1000-31	PP100	100	PP	±0.2	100	\$1.9
1-1000-32	PP250	250	PP	±0.5	250	\$2.8
1-1000-33	PP500	500	PP	±1.0	500	\$3.5
1-1000-34	PP1000	1000	PP	±2.0	1000	\$6.8
1-1000-35	PP2000	2000	PP	±4.0	2000	\$9.8
1-1000-36	PP3000	3000	PP	±6.0	3000	\$12.8

- The product is made of high PP, and there will be no error depending on the temperature.
- Specification:
 - Material: PP
 - Can be autoclaved (121°C, 20 min)



BURETTE (with PTFE cock)

Order No.	Model	Capacity (mL)	Material	Tolerance (mL)	Weight (g)	Reference Price
1-1000-37	1000	1000	PTFE	±0.02	1000	\$24
1-1000-38	2500	2500	PTFE	±0.05	2500	\$22.3
1-1000-39	5000	5000	PTFE	±0.1	5000	\$22.7
1-1000-40	10000	10000	PTFE	±0.2	10000	\$28.5

- Specification:
 - Material: PTFE (Borelco)
 - Thermal expansion coefficient: $55 \times 10^{-6}/^{\circ}\text{C}$ (20°C to 300°C)
 - Class: A1 (ISO 9001)

VOLUMETRIC PIPETTE

Order No.	Model	Capacity (mL)	Material	Tolerance (mL)	Weight (g)	Reference Price
1-1000-41	1000	1000	Standard	±0.05	1000	\$7.8
1-1000-42	1000	1000	Amber	±0.05	1000	\$7.7
1-1000-43	1000	1000	High Precision	±0.02	1000	\$7.7
1-1000-44	1000	1000	Standard	±0.1	1000	\$8.3
1-1000-45	1000	1000	Amber	±0.1	1000	\$8.5
1-1000-46	1000	1000	High Precision	±0.05	1000	\$8.5
1-1000-47	1000	1000	Standard	±0.2	1000	\$8.5
1-1000-48	1000	1000	Amber	±0.2	1000	\$8.5
1-1000-49	1000	1000	High Precision	±0.1	1000	\$8.5
1-1000-50	1000	1000	Standard	±0.5	1000	\$8.5
1-1000-51	1000	1000	Amber	±0.5	1000	\$8.5
1-1000-52	1000	1000	High Precision	±0.2	1000	\$8.5
1-1000-53	1000	1000	Standard	±1.0	1000	\$8.5
1-1000-54	1000	1000	Amber	±1.0	1000	\$8.5
1-1000-55	1000	1000	High Precision	±0.5	1000	\$8.5
1-1000-56	1000	1000	Standard	±2.0	1000	\$8.5
1-1000-57	1000	1000	Amber	±2.0	1000	\$8.5
1-1000-58	1000	1000	High Precision	±1.0	1000	\$8.5
1-1000-59	1000	1000	Standard	±3.0	1000	\$8.5
1-1000-60	1000	1000	Amber	±3.0	1000	\$8.5
1-1000-61	1000	1000	High Precision	±1.5	1000	\$8.5
1-1000-62	1000	1000	Standard	±4.0	1000	\$8.5
1-1000-63	1000	1000	Amber	±4.0	1000	\$8.5
1-1000-64	1000	1000	High Precision	±2.0	1000	\$8.5

- Specification:
 - Material: Borosilicate Glass 1
 - Marked JIS R 3005 Standard Class A
 - Capacity precision and the ink film are on body surface.
 - Traceability System Chart and Calibration Certificate are available (extra charge is required).



COLOR COMPARISON TUBE

Order No.	Model	Capacity (mL)	Material	Tolerance (mL)	Weight (g)	Reference Price
1-1000-65	1000	1000	Standard	±0.05	1000	\$12.8
1-1000-66	1000	1000	Amber	±0.05	1000	\$14.7

- Specification:
 - Material: Borosilicate Glass 1
 - Marked JIS R 3005 Standard Class A
 - Capacity precision and the ink film are on body surface.
 - Traceability System Chart and Calibration Certificate are available (extra charge is required).



BURETTE (With Glass Cock)

Order No.	Model	Capacity (mL)	Material	Tolerance (mL)	Weight (g)	Reference Price
1-1000-67	1000	1000	Glass	±0.02	1000	\$52.7
1-1000-68	2500	2500	Glass	±0.05	2500	\$58.7
1-1000-69	5000	5000	Glass	±0.1	5000	\$64.8
1-1000-70	10000	10000	Glass	±0.2	10000	\$88.9

- Specification:
 - Material: Borosilicate Glass 3.3
 - Thermal expansion coefficient: $55 \times 10^{-6}/^{\circ}\text{C}$ (20°C to 300°C)
 - Class: A1 (ISO 9001)



Order No.	Model	Capacity (mL)	Material	Tolerance (mL)	Weight (g)	Reference Price
1-1000-71	1000	1000	Standard	±0.5	1000	\$19.4
1-1000-72	1000	1000	Amber	±0.5	1000	\$23.3

- Specification:
 - Material: Borosilicate Glass 1
 - Marked JIS R 3005 Standard Class A
 - Capacity precision and the ink film are on body surface.
 - Traceability System Chart and Calibration Certificate are available (extra charge is required).

DISPOSABLE PIPETTE

Order No.	Model No.	Capacity (mL)	Quantity	Color	Reference Price
1-2247-01		1	1 box (1 piece/ bag-500 bags)	Yellow	\$74.8
1-2247-02		2	1 box (1 piece/ bag-500 bags)	Orange	\$99.4
1-2247-03		5	1 box (1 piece/ bag-200 bags)	Blue	\$56.5
1-2247-04		10	1 box (1 piece/ bag-200 bags)	Orange	\$59.5
1-2247-05		25	1 box (1 piece/ bag-100 bags)	Red	\$82.8
1-2247-06		50	1 box (1 piece/ bag-100 bags)	Black	\$99.4

- Specification**
- Material: PS (polystyrene)
 - Sterilized by γ ray (external pack)
 - With cotton stopper
 - Pyrogen free
 - CE mark
 - Outer case size: 402 x 203 x 143 mm



AS ONE ORIGINAL

- Peeling package which is easy to open (plastic + paper)
- With dual-directional (ascending-descending) and minus graduation
- Color coding makes it possible to discern capacities
- Degree of accuracy is $\pm 2\%$ for full capacity
- Prevents overfilling with cotton stopper
- Each product has lot number
- Opening of outer case is large to easily take out products



PASTEUR PIPETTE

Order No.	Model No.	Capacity (mL)	Quantity	Reference Price
11-0001-01	AS200-1	250	1 box (250 pieces)	\$33.8
11-0001-02	AS200-2	100	1 box (250 pieces)	\$32.8
11-0001-03	AS200-3	250	1 box (250 pieces)	\$33.8
11-0001-04	AS200-4	100	1 box (250 pieces)	\$32.8

- Specification**
- Material: Soda lime glass
 - Outer Diameter: $\phi 7$ mm



POLYDROPPER (Individual Package)

Order No.	Model No.	Capacity (mL)	Quantity	Reference Price
11-0001-01	AS200-1	250	1 box (250 pieces)	\$33.8
11-0001-02	AS200-2	100	1 box (250 pieces)	\$32.8
11-0001-03	AS200-3	250	1 box (250 pieces)	\$33.8
11-0001-04	AS200-4	100	1 box (250 pieces)	\$32.8

- Specification**
- The material is soft and has good stretchability
 - Easy to move liquids and easy to use
 - High transparency and an easy-to-read scale
 - Sterilized, no cleaning is required, and there is no risk of bacterial contamination



POLYDROPPER (sterilized)

Order No.	Model No.	Capacity (mL)	Quantity	Reference Price
11-0001-01	AS2	1	1 box (250 pieces)	\$11.8
11-0001-02	AS2	1	1 box (250 pieces)	\$11.8

- Specification**
- Sterilized, cleaning is not required, and there is no risk of contamination by bacteria or foreign substances
 - Product with a soft feel
 - High transparency and an easy-to-read scale



POLYDROPPER

Order No.	Model No.	Capacity (mL)	Quantity	Reference Price
11-0001-01	AS2	1	1 box (250 pieces)	\$11.8
11-0001-02	AS2	1	1 box (250 pieces)	\$11.8

- Specification**
- Soft and good stretchability
 - Easy-to-read scale
 - High transparency



STERILIZED PP TUBE

Order No.	Model No.	Capacity (mL)	Quantity	Reference Price
1-1000-01	341000010	1	1 box (100 pieces)	\$32.1
1-1000-02	341000100	10	1 box (100 pieces)	\$37.1

- Specification**
- Material: Polypropylene (PP)
 - Quantity: 1 piece/ bag-100 bags
 - Sterilized by γ ray (external pack)



ECONOMY TEST TUBE

Order No.	Model No.	Capacity (mL)	Quantity	Reference Price
11-0001-01	AS2	1	1 box (250 pieces)	\$11.8
11-0001-02	AS2	1	1 box (250 pieces)	\$11.8

- Specification**
- Lightweight and durable
 - Material: PS



TEST TUBE

Order No.	Model No.	Capacity (mL)	Quantity	Reference Price
11-0001-01	AS2	1	1 box (250 pieces)	\$11.8
11-0001-02	AS2	1	1 box (250 pieces)	\$11.8

- Specification**
- Material: Borosilicate Glass



GLASS FUNNEL

Order No.	Model No.	Capacity (mL)	Quantity	Reference Price
11-0001-01	AS2	1	1 box (250 pieces)	\$11.8
11-0001-02	AS2	1	1 box (250 pieces)	\$11.8

- Specification**
- Material: Borosilicate glass, 3.3
 - Thermal expansion coefficient: $33 \times 10^{-6}/^{\circ}\text{C}$ (20°C to 300°C)



POWDER FUNNEL

Order No.	Model No.	Capacity (mL)	Quantity	Reference Price
11-0001-01	AS2	1	1 box (250 pieces)	\$11.8
11-0001-02	AS2	1	1 box (250 pieces)	\$11.8

- Specification**
- Material: PP
 - Can be autoclaved (121°C)

Inspection Sheet

English certificate, test report

AS ONE calibrates the control system (measured internal temperature, etc.) and electric system before shipment. English certificate, test report are available. Please contact us for more information.





POLY FUNNEL

Order No.	Material	Size (mm)	Capacity (mL)	Height (mm)	Reference Price
2-2110-01	PP	30	7.5	52	\$0.3
2-2110-02	PP	40	8.5	61	\$0.4
2-2110-03	PP	60	8.7	60	\$0.6
2-2110-04	PP	70	8.5	75	\$0.8
2-2110-05	PP	80	8.9	81	\$1.1
2-2110-06	PP	100	15.5	101	\$2.4
2-2110-07	PP	120	11	102	\$3
2-2110-08	PP	150	20	142	\$7.0
2-2110-09	PP	210	21	155	\$11.6
2-2110-10	PP	240	24	160	\$15.4
2-2110-11	PP	300	26	175	\$19.1
2-2110-12	PP	360	28	185	\$29

● 210-240-100mm sizes have screw type stem which is convenient for washing and storage.

● Specification
 ● Material: PP (polypropylene), PE (polyethylene)

NEOPRENE® STOPPER

Order No.	Material	Size (mm)	Capacity (mL)	Height (mm)	Reference Price
1-4421-01	NR	1	2.5	6.8	\$12.8
1-4421-02	NR	2	5.0	13.0	\$12.8
1-4421-03	NR	3	7.5	19.0	\$13.1
1-4421-04	NR	4	10.0	25.0	\$13.1
1-4421-05	NR	5	12.5	31.0	\$14.3
1-4421-06	NR	6	15.0	37.0	\$15.2
1-4421-07	NR	7	17.5	43.0	\$17.3
1-4421-08	NR	8	20.0	49.0	\$18.4
1-4421-09	NR	9	22.5	55.0	\$22.1

● Long enough to take hold stopper which is easily inserted and unplugged.
 ● It excels in oil resistance and chemical resistance.

● Specification
 ● Material: Neoprene Rubber
 ● Quantity: 110g/100pieces

SILICO STOPPER

Order No.	Material	Size (mm)	Capacity (mL)	Height (mm)	Reference Price
4-4441-01	SI	10	10	14	\$14.8
4-4441-02	SI	12	12	14	\$15.7
4-4441-03	SI	15	15	15	\$16.9
4-4441-04	SI	17	17	16	\$17.8
4-4441-05	SI	20	20	17	\$18.2
4-4441-06	SI	22	22	18	\$19.1
4-4441-07	SI	24	24	21	\$24.4
4-4441-08	SI	26	26	25	\$21
4-4441-09	SI	32	32	32	\$23.9
4-4441-10	SI	36	36	36	\$27.9
4-4441-11	SI	42	42	42	\$36.4
4-4441-12	SI	48	48	48	\$105.4
4-4441-13	SI	50	50	50	\$15.7
4-4441-14	SI	55	55	55	\$17.8
4-4441-15	SI	60	60	60	\$19.1
4-4441-16	SI	65	65	65	\$18.2
4-4441-17	SI	70	70	70	\$22.7
4-4441-18	SI	75	75	75	\$28.9
4-4441-19	SI	80	80	80	\$35.5
4-4441-20	SI	85	85	85	\$56.3

● It excels in heat resistance and the repetition use by high pressure steam sterilization, boiling water washing, and boiling water disinfection are possible.

● Since moisture evaporation rate is 1/2 or less compared with a cotton plug, so unusual concentration and pH change of culture solution decrease.

● It excels in chemical resistance.

● There is no breeding of bacillus in a seal part with container because of its hydrophobicity.

● Moisture evaporation amount is low, aeration amount is 30~120mL/mL, so these stoppers prevent the medium from being dried.

● Aeration amount is 2000~4500mL/mL. It puts a high priority on mounting performance.



PORCELAIN FUNNEL (Buchner)

Order No.	Material	Size (mm)	Capacity (mL)	Height (mm)	Reference Price
2-2110-01	PC	30	7.5	52	\$14.3
2-2110-02	PC	40	8.5	61	\$22.3
2-2110-03	PC	60	8.7	60	\$27.1
2-2110-04	PC	70	8.5	75	\$33.9
2-2110-05	PC	80	8.9	81	\$38.2
2-2110-06	PC	100	15.5	101	\$63.3
2-2110-07	PC	120	11	102	\$120.5
2-2110-08	PC	150	20	142	\$221.4
2-2110-09	PC	210	21	155	\$276.2

● Specification
 ● Chemical Composition: SiO₂ (62%) and Al₂O₃ (30%)
 ● Specific Gravity: 2.4 g/cm³
 ● Heat resistance temperature: 1000°C



● It excels in heat resistance and the repetition use by high pressure steam sterilization, boiling water washing, and boiling water disinfection are possible.

● Since moisture evaporation rate is 1/2 or less compared with a cotton plug, so unusual concentration and pH change of culture solution decrease.

● It excels in chemical resistance.

● There is no breeding of bacillus in a seal part with container because of its hydrophobicity.

● Moisture evaporation amount is low, aeration amount is 30~120mL/mL, so these stoppers prevent the medium from being dried.

● Aeration amount is 2000~4500mL/mL. It puts a high priority on mounting performance.

STAINLESS STEEL CAP

Order No.	Material	Size (mm)	Capacity (mL)	Height (mm)	Reference Price
2-2110-01	SS	30	7.5	52	\$14.3
2-2110-02	SS	40	8.5	61	\$22.3
2-2110-03	SS	60	8.7	60	\$27.1
2-2110-04	SS	70	8.5	75	\$33.9
2-2110-05	SS	80	8.9	81	\$38.2
2-2110-06	SS	100	15.5	101	\$63.3
2-2110-07	SS	120	11	102	\$120.5
2-2110-08	SS	150	20	142	\$221.4
2-2110-09	SS	210	21	155	\$276.2

● The stainless steel cap eliminates corrosion and contamination of the culture medium due to the elution of metal ions.
 ● Easy to attach and detach. The stopper design ensures secure fastening.
 ● It is economical because it can be dry and sterilized.

● Specification
 ● Straight port size



DOUBLE RUBBER BULB

Order No.	Material	Size (mm)	Capacity (mL)	Reference Price
2-2110-01	NR	10	10	\$11.3
2-2110-02	NR	20	20	\$17.3

● Specification
 ● Size: Dia. 10/20mm, Length 10/20mm (Common to NR and SS)
 ● Material: Latex



PIPEPETTE FILLER

Order No.	Material	Size (mm)	Capacity (mL)	Reference Price
2-2110-01	SS	10	10	\$17.3
2-2110-02	SS	20	20	\$17.3

● This latex filler is integrally molded and built valves are put into 3 places.
 ● Pipette operation (suction and dropping of solution) of acid, harmful dangerous liquid, etc. can be performed quickly and correctly.

● Specification
 ● Size: Dia. of the Tip: 10/20mm
 ● Material: Natural rubber



● It excels in heat resistance and the repetition use by high pressure steam sterilization, boiling water washing, and boiling water disinfection are possible.

● Since moisture evaporation rate is 1/2 or less compared with a cotton plug, so unusual concentration and pH change of culture solution decrease.

● It excels in chemical resistance.

● There is no breeding of bacillus in a seal part with container because of its hydrophobicity.

● Moisture evaporation amount is low, aeration amount is 30~120mL/mL, so these stoppers prevent the medium from being dried.

● Aeration amount is 2000~4500mL/mL. It puts a high priority on mounting performance.

Swiss made high-grade tweezers!



MEISTER TWEEZERS

Order No.	Material	SA 5022 Standard (steel)	SA 5023 Standard (steel)	SA 5024 Standard (steel)	SA 5025 Standard (steel)	SA 5026 Standard (steel)
Model No.	Length (mm)	Reference Price	Reference Price	Reference Price	Reference Price	Reference Price
0	120	\$32.4	\$33.9	\$40.7	\$64	\$57.2
00	115	\$35.1	-	\$41.4	-	\$57.8
00C	110	\$35.1	-	-	-	\$49
000	111	\$39.2	\$45.2	-	-	\$56.5
0000	110	\$45.2	-	-	-	-
0000	90	\$42.8	\$33.9	-	-	\$52
0011	110	\$32.4	\$33.9	\$61.8	-	\$52
1	120	\$30.1	\$32.4	\$38.4	\$67.8	\$51.2
2	110	\$31.2	-	-	-	-
3	115	\$32.4	\$37.7	-	\$68.5	\$59.5
3A	120	\$30.8	\$36.9	\$39.8	\$77.8	\$59.5
3B	118	\$49.7	-	-	-	-
3C	115	\$38.4	-	-	-	-
3D	108	\$42.7	-	-	-	-
4	120	\$32.4	-	\$40.7	\$70.8	\$57.2
4A	116	\$32.4	\$38.2	\$40.7	\$70.8	\$57.2
4B	116	\$42.9	-	-	-	-
4C	116	\$32.4	-	-	-	-
4D	116	\$32.4	-	-	-	-
4E	116	\$32.4	-	-	-	-
4F	116	\$32.4	-	-	-	-
4G	116	\$32.4	-	-	-	-
4H	116	\$32.4	-	-	-	-
4I	116	\$32.4	-	-	-	-
4J	116	\$32.4	-	-	-	-
4K	116	\$32.4	-	-	-	-
4L	116	\$32.4	-	-	-	-
4M	116	\$32.4	-	-	-	-
4N	116	\$32.4	-	-	-	-
4O	116	\$32.4	-	-	-	-
4P	116	\$32.4	-	-	-	-
4Q	116	\$32.4	-	-	-	-
4R	116	\$32.4	-	-	-	-
4S	116	\$32.4	-	-	-	-
4T	116	\$32.4	-	-	-	-
4U	116	\$32.4	-	-	-	-
4V	116	\$32.4	-	-	-	-
4W	116	\$32.4	-	-	-	-
4X	116	\$32.4	-	-	-	-
4Y	116	\$32.4	-	-	-	-
4Z	116	\$32.4	-	-	-	-

<SA (acid-resistant steel)>

- The products are made of acid resistant, non-magnetic stainless steel (SU3216L).
- The heat resistance temperature is approx. 500°C.

<SA (acid-resistant steel), grip type>

- With a nonslip grip coating, the tweezers are suitable for work performed with a pair of cloth gloves, such as gloves for quality control.
- With a heat-resistant coating, the tweezers are less apt to transmit heat to the fingertips of your hand holding a hot or cold object. This allows you to work comfortably.

- An epoxy resin coating (heat resistance temperature: 140°C) is applied to the grip.

<SA (acid-resistant steel), fine processing type>

- Due to nanoscopic micropore processing, dust or greasy dirt is less likely to adhere to and can be easily washed off.

<AXEL (strong durable type)>

- The material is an alloy of chromium, nickel, and molybdenum with cobalt as a base.
- The products have Vickers hardness of 500 or higher and excellent resistance to wear.
- Non-magnetic material.
- No deposition of solder.
- The heat resistance temperature is -200°C to 500°C.

<TNF (titanium)>

- The products are made of titanium (MLT25 (Titanium Grade II)).
- The tweezers do not magnetize.
- The heat resistance temperature is approx. 800°C.
- The material is highly resistant to acids.

STAINLESS STEEL TWEEZERS

Order No.	Model No.	Material	Reference Price
5-571-22	111	SU3480	\$11
5-571-27	120		\$15
5-571-28	150		\$21
5-571-29	160		\$26
5-571-30	170	SU3470	\$30
5-571-31	240		\$8.7
5-571-36	100	SU3480	\$11.3
5-571-38	160		\$26.7
5-571-39	450	SU34302	\$82.8
5-571-42	Gantry Straight 141		\$11.7
5-571-43	Gantry Bent 141	SU34302	\$16.5
5-571-44	AA 121		\$1.6
5-571-45	AA 100	SU3480	\$2.3
5-571-47	Lock 120		\$1.5
5-571-48	Flat Type 120	SU3480	\$1.4
5-571-49	Flat Type 150		\$1.9
5-571-50	115 Bent Tip	SU3480	\$1.7
5-571-51	120 Bent Tip		\$2
5-571-52	130 Bent Tip	SU3480	\$2.9
5-571-53	210 Bent Tip		\$7.8
5-571-54	240 Bent Tip	SU3480	\$9.9
5-571-55	350 Bent Tip		\$12.1
5-571-56	AA121 Bent Tip	SU3480	\$1.8
5-571-57	AA150 Bent Tip		\$2.1
5-571-58	150 Bent Tip	SU3480	\$2.3



TWEEZERS (Conductive, Acid Resistance, and Nonmagnetic Type)

Order No.	Model No.	Type	Length (mm)	Reference Price
5-581-01	NE2A	Steel Tip	120	\$20.3
5-581-02	NEA	Curved Tip		\$20.2
5-581-03	NE7	Sharp Tip		\$20.2
5-581-04	NE9	Flat Tip		\$20.2
5-581-05	NE2A	Round Flat Type	120	\$20.2

- These nonmagnetic tips are excellent in conductivity and acid resistance.
- Hard tip fits for fine works.
- Specification:
 - Material: Artificial Polyamide Resin (Acetamide).
 - Containing 30% of Glass Reinforcing Materials.



SILICONE SPATULA

Order No.	Model No.	Color	Quantity	Reference Price
5-574-01	Spatula S	Red	500x150	\$27.4
5-574-02		Blue		\$27.4
5-574-03		Green		\$27.4
5-574-04		White		\$27.4
5-574-05	Spatula L	Red	210x100	\$27.9
5-574-06		Blue		\$27.9
5-574-07		Green		\$27.9
5-574-08		White		\$27.9
5-574-09	Spatula M	Red	200x 80	\$26.4
5-574-10		Blue		\$26.4
5-574-11		Green		\$26.4
5-574-12		White		\$26.4
5-574-13	Spatula S	Red	240x 55	\$17.6
5-574-14		Blue		\$17.6
5-574-15		Green		\$17.6
5-574-16		White		\$17.6



MICRO SPATULA

Order No.	Quantity	Type	Quantity	Reference Price
5-571-21	100	Flat	100 (100mm)	\$17.3
5-571-22	120	Round-Thin		\$17.3
5-571-23	150			\$17.3
5-571-24	210			\$21.1
5-571-25	240	Round-Thick		\$21.7
5-571-26	150		\$20.9	

- Specification:
 - Material: Stainless Steel (SU304)





UNIVERSAL SCOOP

Order No.	Model No.	Capacity (ml)	Length (mm)	Reference Price
1-100-01	Super Extra Large	1500	440 x 140	\$82.8
1-100-02	Extra Large	1000	420 x 140	\$61.8
1-100-03	Large	500	380 x 110	\$52
1-100-04	Medium	250	340 x 90	\$44.1
1-100-05	Small	100	270 x 60	\$42.8

Specification
Material: Stainless Steel (SUS304)



TONG

Order No.	Model No.	Capacity (ml)	Length (mm)	Reference Price
12-0001-01	120144	200		\$3
12-0001-02	120144	250		\$3.4
12-0001-03	120144	300		\$4
12-0001-04	120144	350		\$4.4
12-0001-05	120144	400		\$5
12-0001-06	120144	450		\$5.2
12-0001-07	120144	500		\$5.7

The tongs have unique projections to prevent the crucible held with them from coming off.
Highly resistant to acids and corrosion.
Specification
Material: Stainless Steel (nickel plating coating)
Maximum End Arc Diameter: Approx. $\phi 25$



SEPARATORY FUNNEL STAND

Order No.	Model No.	Capacity (ml)	Length (mm)	Reference Price
1-200-01	88-1	1000 (Body Dia. $\phi 70$)	Aluminum	\$40.7
1-200-02	88-2	200 (Body Dia. $\phi 100$)	Aluminum	\$22.7
1-200-03	88-3	100 (Body Dia. $\phi 100$)	Aluminum	\$21.5
1-200-04	88-11	1000 (Body Dia. $\phi 70$)	Aluminum	\$38.5
1-200-05	88-12	200 (Body Dia. $\phi 100$)	Aluminum	\$100.9
1-200-06	88-25	2000 (Body Dia. $\phi 100$)	Aluminum	\$146.9

Specification
Material: PVC (polyvinyl chloride)



FLASK STAND

Order No.	Model No.	Capacity (ml)	Length (mm)	Reference Price
12-0001-01	120144	100	For 50 or 100	\$5.3

Specification
Material: PP (polypropylene)
Can be autoclaved (121°C)

PORCELAIN CRUCIBLE

Order No.	Model No.	Capacity (ml)	Length (mm)	Reference Price
12-0001-01	CR-5	5	$\phi 25 \times 27$	\$1.2
12-0001-02	CR-10	10	$\phi 30 \times 28$	\$1.3
12-0001-03	CR-15	15	$\phi 35 \times 30$	\$1.5
12-0001-04	CR-20	20	$\phi 38 \times 32$	\$1.7
12-0001-05	CR-30	30	$\phi 42 \times 34$	\$1.9
12-0001-06	CR-50	50	$\phi 52 \times 40$	\$2.4
12-0001-07	CR-100	100	$\phi 67 \times 50$	\$3.4
12-0001-08	CR-150	150	$\phi 77 \times 60$	\$4.4
12-0001-09	CR-200	200	$\phi 80 \times 70$	\$5.7
12-0001-10	CR-5	Cover for CR-5		\$0.8
12-0001-11	CR-10	Cover for CR-10		\$0.8
12-0001-12	CR-15	Cover for CR-15		\$0.8
12-0001-13	CR-20	Cover for CR-20		\$0.8
12-0001-14	CR-30	Cover for CR-30		\$0.9
12-0001-15	CR-50	Cover for CR-50		\$1
12-0001-16	CR-100	Cover for CR-100		\$1.7
12-0001-17	CR-150	Cover for CR-150		\$2
12-0001-18	CR-200	Cover for CR-200		\$2.7

1) Cover doesn't come with body.



Specification
Chemical Composition: SiO₂/SiO₂ or more, Al₂O₃/ZrO₂ or more
Heat Resistance Temperature: 1050°C (regular use)

DIAMOND SCRIBER

Order No.	Specification	Color	Reference Price
1-100-01	D Pen	Gold	\$37.7
1-100-02	Ballpoint Pen (D Pen)	Gold	\$35.5
1-100-03	D Point Pen	Silver	\$30.1
1-100-04	Ballpoint Pen (D Point Pen)	Silver	\$13.6

Usable for metal and plastic. Easy to use like push ballpoint pen.
<D Pen>
It always can be written in sharp diamond crystal face by special processing diamond lead.
Thickness of line is freely changeable by power of writing.
<D Point Pen>
Single crystal diamond is attached at tip of core with special technique.
Application
Glassware, Glass Bead, Stained Glass, Optical Lens
The cover package of semiconductor integrated circuit
Semiconducting materials, such as substrate, Pottery, Ceramics



SILICONE TUBE

Order No.	Capacity (ml)	Reference Price
1-100-01	100	\$9.8
1-100-02	200	\$9.8
1-100-03	300	\$10.5
1-100-04	400	\$10.5
1-100-05	500	\$12.1
1-100-06	600	\$12.6
1-100-07	700	\$12.6
1-100-08	800	\$21.1
1-100-09	900	\$41.4
1-100-10	1000	\$81.1
1-100-11	1200	\$21.8
1-100-12	1400	\$35
1-100-13	1600	\$80.6
1-100-14	1800	\$177.7
1-100-15	2000	\$24.1
1-100-16	2200	\$32.9
1-100-17	2400	\$41.4
1-100-18	2600	\$47.8
1-100-19	2800	\$54.9
1-100-20	3000	\$100.3
1-100-21	3200	\$50.5
1-100-22	3400	\$78.2
1-100-23	3600	\$86.6
1-100-24	3800	\$177.7
1-100-25	4000	\$187.1

It keeps elasticity from -60 to 120°C and is resistant to ozone, humidity, electric insulation, hot water, and chemical.
Specification
Length: 1.1m



NAFION®PFA TUBE

Order No.	Capacity (ml)	Reference Price (1m)	Reference Price (2m)
1-100-01	100	\$10.5	\$27.4
1-100-02	200	\$10.5	\$50.5
1-100-03	300	\$10.5	\$78.2
1-100-04	400	\$12.1	\$100.3
1-100-05	500	\$12.6	\$126.7
1-100-06	600	\$12.6	\$150.6
1-100-07	700	\$21.1	\$254.1
1-100-08	800	\$41.4	\$414.1
1-100-09	900	\$81.1	\$811.1
1-100-10	1000	\$162.2	\$1622.2
1-100-11	1200	\$24.1	\$241.1
1-100-12	1400	\$35	\$350.6
1-100-13	1600	\$80.6	\$806.6
1-100-14	1800	\$177.7	\$1777.7
1-100-15	2000	\$24.1	\$241.1
1-100-16	2200	\$32.9	\$329.1
1-100-17	2400	\$41.4	\$414.1
1-100-18	2600	\$47.8	\$478.2
1-100-19	2800	\$54.9	\$549.1
1-100-20	3000	\$100.3	\$1003.1
1-100-21	3200	\$50.5	\$505.1
1-100-22	3400	\$78.2	\$782.2
1-100-23	3600	\$86.6	\$866.6
1-100-24	3800	\$177.7	\$1777.7
1-100-25	4000	\$187.1	\$1871.1

Pure fluorocarbon tube not containing additives such as filler and plasticizer.
Suitable for electrical insulation applications because electrical characteristics are not significantly degraded in high temperature, high humidity and high frequency range.
Excellent in non-stickiness, dirt and scales are hard to adhere.

FLOW MONITOR

Order No.	Model No.	Reference Price
1-100-01	8720-1001	\$25.6
1-100-02	8720-1002	\$25.6
1-100-03	8720-1003	\$25.6

Paddle wheel starts to rotate from approx. 1.50mL/min (in case of water).
Specification
Body Material: S-3007/SANAP acrylonitrile-butadiene resin, S-5000/PMMA (polymethylmethacrylate)
Paddle Wheel Material: PP (polypropylene)
Bubble Tube Dia.: $\phi 6-11$
Usable Temperature: 8720-1001-1002-1003 / up to approx. 20°C, 8720-1004-2001-2002-2003 / up to approx. 40°C
Dimensions: 40 x 40 x 150
Weight: approx. 17g



SILICONE OIL

Order No./Model No.	Type	Size (mm)	Quantity (g)	Reference Price
1-2794-01 KF-96-100	Mold release agent	100	100	\$35.7
1-2794-02 KF-96-1-100	Lubricant for sliding part	200	100	\$34.6
1-2794-03 KF-96-1-100	Coating	500	100	\$36.7
1-2794-04 KF-96-1-100	High temperature resistant	100	100	\$120.3
1-2794-05 KF-96-1-100	High temperature resistant	100	100	\$105.2
1-2794-06 KF-96-100	Mold release agent	100	100	\$34.6

- <KF-96-50>-KF-96-1-100-KF-96-1-300>
 • Features outstanding heat, cold, and chemical resistance.
 • Viscosity remains almost unchanged in wide temperature range.
 • Excellent in electric insulation properties.
 • <KF-96-1-100>
 • Suited to heat medium oil for closed systems.
 • <KF-96-1-100>
 • Suited to heat medium oil for open systems.
 • <KF-96-50>-KF-96-1-100>
 • Suited to mold release agent, lubricant, and deflaming agent.

Peelable colored label at an affordable price!



COLORFUL PAPER LABEL

Order No./Model No.	Color	Label Size (mm)	Quantity	Reference Price
6-2794-01 BCL-400	White	12 x 30	1 roll (1000 pieces)	\$11.3
6-2794-02 BCL-400	Yellow	12 x 30	1 roll (1000 pieces)	\$11.3
6-2794-03 BCL-400	Orange	12 x 30	1 roll (1000 pieces)	\$11.3
6-2794-04 BCL-400	Light green	12 x 30	1 roll (1000 pieces)	\$11.3
6-2794-05 BCL-400	Blue	12 x 30	1 roll (1000 pieces)	\$11.3
6-2794-06 BCL-400	Pink	12 x 30	1 roll (1000 pieces)	\$11.3
6-2794-07 BCL-400	Red	12 x 30	1 roll (1000 pieces)	\$11.3
6-2794-11 BCL-400	7 color set	12 x 30	1 roll (7 colors included)	\$71.5

- A label attached to an object can be neatly peeled off without an adhesive or surface substrate being left on the surface of the object.
 • Information can be written down using a ballpoint pen, a pencil, or a marker, etc.

- Specification
 • Material: Surface substrate/Paper • Thickness: 120 μm
 • Core line thickness: φ25 mm
 • Operating Temperature Range: 20 to +80°C



P CUT TAPE

Order No./Model No.	Color	Core Material	Width x Thickness x Length (mm)	Reference Price
1-8211-01	White	Paper	10mm x 0.1mm x 25m	\$2.5
1-8211-02	White	Paper	10mm x 0.1mm x 50m	\$4.5
1-8211-03	White	Paper	10mm x 0.1mm x 75m	\$6.5
1-8211-04	White	Paper	10mm x 0.1mm x 100m	\$8.5
1-8211-05	White	Paper	10mm x 0.1mm x 125m	\$10.5
1-8211-06	White	Paper	10mm x 0.1mm x 150m	\$12.5
1-8211-07	White	Paper	10mm x 0.1mm x 175m	\$14.5
1-8211-08	White	Paper	10mm x 0.1mm x 200m	\$16.5
1-8211-09	White	Paper	10mm x 0.1mm x 225m	\$18.5
1-8211-10	White	Paper	10mm x 0.1mm x 250m	\$20.5

- With firm adhesion, the tape can be even put on a rough surface.
 • No adhesive residue is left.
 • With a stitch pattern, the tape can be easily cut by hand.
 • Specification
 • Material: PE polyethylene



- Specification
 • Internal capacity: 1kg
 • Flash point: KF-96-500C/310°C or higher, KF-96-1-100/215°C, KF-96-1-300/115°C, KF-96-1-100-KF-96-1-100-KF-96-1-100/200°C or higher



DURABLE COLOR TAPE

Order No./Model No.	Color	Label Size (mm)	Quantity	Reference Price
6-2794-01 BCL-400	White	12 x 30	1 roll (1000 pieces)	\$11.3
6-2794-02 BCL-400	Yellow	12 x 30	1 roll (1000 pieces)	\$11.3
6-2794-03 BCL-400	Orange	12 x 30	1 roll (1000 pieces)	\$11.3
6-2794-04 BCL-400	Light green	12 x 30	1 roll (1000 pieces)	\$11.3
6-2794-05 BCL-400	Blue	12 x 30	1 roll (1000 pieces)	\$11.3
6-2794-06 BCL-400	Pink	12 x 30	1 roll (1000 pieces)	\$11.3
6-2794-07 BCL-400	Red	12 x 30	1 roll (1000 pieces)	\$11.3
6-2794-11 BCL-400	7 color set	12 x 30	1 roll (7 colors included)	\$71.5

- The tape is resistant to water, oil, and acids and provides excellent durability.
 • Information can be written down using an oil-based marker, a pen, or a pencil, etc.

- Specification
 • Material: Paper • Temperature Range: 33 to +121°C
 • Core diameter: φ25.4 mm (1 inch) • Outer diameter: φ57 mm
 • Quantity: 1 roll (12.7 m)



FLUORINE SEAL TAPE (PTFE)

Order No./Model No.	Color	Label Size (mm)	Quantity	Reference Price
1-8211-01	White	10mm x 0.1mm x 25m	1 roll (1000 pieces)	\$2.5
1-8211-02	White	10mm x 0.1mm x 50m	1 roll (1000 pieces)	\$4.5
1-8211-03	White	10mm x 0.1mm x 75m	1 roll (1000 pieces)	\$6.5
1-8211-04	White	10mm x 0.1mm x 100m	1 roll (1000 pieces)	\$8.5
1-8211-05	White	10mm x 0.1mm x 125m	1 roll (1000 pieces)	\$10.5
1-8211-06	White	10mm x 0.1mm x 150m	1 roll (1000 pieces)	\$12.5
1-8211-07	White	10mm x 0.1mm x 175m	1 roll (1000 pieces)	\$14.5
1-8211-08	White	10mm x 0.1mm x 200m	1 roll (1000 pieces)	\$16.5
1-8211-09	White	10mm x 0.1mm x 225m	1 roll (1000 pieces)	\$18.5
1-8211-10	White	10mm x 0.1mm x 250m	1 roll (1000 pieces)	\$20.5

- A screw joint can be properly sealed only by wrapping the tape around the joint.
 • Specification
 • Material: PTFE polytetrafluoroethylene
 • Operating Temperature Range: 100 to +250°C
 • Density: 2.0 g/cm³
 • Quantity per case
 • 2 pieces/case x 5 bags

PTFE TAPE

Order No.	Model No.	Width x Length (mm)	Quantity	Reference Price
1-2794-01	PTFE-100	10mm x 10m	1 roll	\$11.3
1-2794-02	PTFE-100	10mm x 10m	1 roll	\$16.6
1-2794-03	PTFE-100	10mm x 10m	1 roll	\$21.8
1-2794-04	PTFE-100	10mm x 10m	1 roll	\$27.1

- Made of PTFE tape based, excellent in heat resistance and chemical resistance, and coated silicone-based pressure sensitive adhesive.
 • Low friction coefficient performs excellent lubricating capability.
 • Specification
 • Heat Resistant Temperature: 200°C



- Stretchy and excellent in airtightness.
 • Not invading samples nor medicines.
 • Adaptable to various shapes.
 • Thermoplastic.
 • Non-color, semi-transparent, and non-toxic.

PARAFILM

Order No.	Model No.	Width x Length (mm)	Quantity	Reference Price
2-2111-01	PM010	4" (102mm) x 120" (3048mm)	1 roll	\$31.3
2-2111-02	PM010	2" (50mm) x 200" (5080mm)	1 roll	\$32.9
2-2111-03	PM010	30" (762mm) x 120" (3048mm)	1 roll	\$108.5
2-2111-04	4" (102mm) x 120" (3048mm)	4" (102mm) x 120" (3048mm)	1 roll	\$361.5
2-2111-05	2" (50mm) x 200" (5080mm)	2" (50mm) x 200" (5080mm)	1 roll	\$777.2

- Specification
 • Material: Polyethylene • Operating Temperature Range: 7 to 32°C
 • Quantity per case
 • 6 pieces for PM010, 12 pieces for PM010, and 24 pieces for PM010

PROWIPE Soft Wiper



- Hard to Tear
 • Wipe off stubborn stains
 • High water absorption

KIMWIPES

Order No.	Model No.	Product Name	Quantity	Reference Price
1-2794-01	K2001	1 case (200 sheets/box x 72 boxes)	1 case	\$104
1-2794-02	K2002	1 case (200 sheets/box x 72 boxes)	1 case	\$11.5
1-2794-03	K2003	1 case (200 sheets/box x 72 boxes)	1 case	\$84.8
1-2794-04	K2004	1 case (200 sheets/box x 72 boxes)	1 case	\$103
1-2794-05	K2005	1 case (200 sheets/box x 72 boxes)	1 case	\$103
1-2794-06	K2006	1 case (200 sheets/box x 72 boxes)	1 case	\$103
1-2794-07	K2007	1 case (200 sheets/box x 72 boxes)	1 case	\$103
1-2794-08	K2008	1 case (200 sheets/box x 72 boxes)	1 case	\$103
1-2794-09	K2009	1 case (200 sheets/box x 72 boxes)	1 case	\$103
1-2794-10	K2010	1 case (200 sheets/box x 72 boxes)	1 case	\$103

- Ideal for wiping down electronic components and precision equipment.
 • Leaves no dirt or fluff on wiped surfaces.
 • Dispenser for K-200 can be attached to wall, shelf, ceiling, etc. with double-sided tape or magnet.

- Specification
 • Material: Poly 100%
 • Sheet Size: 120 x 215 mm for K2011/K2010, 96 x 215 mm for K2012, 112 x 215 mm for K2013, 470 x 470 mm for K2014, and 225 x 215 mm for K2015
 • Dispenser for K-200
 • Material: PVC polyvinyl chloride • Size: 136 x 98 x 126 mm
 • Application Wipers: Kimwipes K-200, K-2010, K-2011
 • Accessories: Double-sided tape x 4 sheets, Magnet x 5 sheets



DISPENSER (For PARAFILM)

Order No.	Model No.	Quantity	Reference Price
2-2111-01	100x110mm	1 roll	\$73.8
2-2111-02	Replacement Blade	1 roll	\$3.8

- Freely cut only by moving cutter along with guide rail.
 • Cutter can be used in 260° and maintains smooth sharpness.
 • Specification
 • Material: PVC polyvinyl chloride



- Hard to Tear
 • Wipe off stubborn stains
 • High water absorption





KIMTOWEL WIPER

Order No.	Model No.	Type	Size (mm)	Quantity	Reference Price
3-4025-01	01001	folded in four, four sides	300 x 300	1 case (30 sheets/bundle + 24 bundles)	\$80
3-4025-02	01002	folded in four, four sides	300 x 300	1 case (40 sheets/bundle + 24 bundles)	\$81
3-4025-03	01003	folded in four, four sides	300 x 300	1 case (70 sheets/bundle + 12 bundles)	\$118.1
3-4025-04	01004	folded in four, two sides	300 x 300	1 case (100 sheets/bundle + 24 bundles)	\$101.2
3-4025-05	01005	folded in four, two sides	300 x 300	1 case (100 sheets/bundle + 24 bundles)	\$101.2
3-4025-06	01006	folded in four, two sides	300 x 300	1 case (100 sheets/bundle + 24 bundles)	\$101.2
3-4025-07	01007	folded in four, two sides	300 x 300	1 case (100 sheets/bundle + 24 bundles)	\$101.2
3-4025-08	01008	folded in four, two sides	300 x 300	1 case (100 sheets/bundle + 24 bundles)	\$101.2
3-4025-09	01009	folded in four, two sides	300 x 300	1 case (100 sheets/bundle + 24 bundles)	\$101.2
3-4025-10	01010	folded in four, two sides	300 x 300	1 case (100 sheets/bundle + 24 bundles)	\$101.2
3-4025-11	01011	folded in four, two sides	300 x 300	1 case (100 sheets/bundle + 24 bundles)	\$101.2
3-4025-12	01012	folded in four, two sides	300 x 300	1 case (100 sheets/bundle + 24 bundles)	\$101.2
3-4025-13	01013	folded in four, two sides	300 x 300	1 case (100 sheets/bundle + 24 bundles)	\$101.2
3-4025-14	01014	folded in four, two sides	300 x 300	1 case (100 sheets/bundle + 24 bundles)	\$101.2
3-4025-15	01015	folded in four, two sides	300 x 300	1 case (100 sheets/bundle + 24 bundles)	\$101.2
3-4025-16	01016	folded in four, two sides	300 x 300	1 case (100 sheets/bundle + 24 bundles)	\$101.2
3-4025-17	01017	folded in four, two sides	300 x 300	1 case (100 sheets/bundle + 24 bundles)	\$101.2
3-4025-18	01018	folded in four, two sides	300 x 300	1 case (100 sheets/bundle + 24 bundles)	\$101.2
3-4025-19	01019	folded in four, two sides	300 x 300	1 case (100 sheets/bundle + 24 bundles)	\$101.2
3-4025-20	01020	folded in four, two sides	300 x 300	1 case (100 sheets/bundle + 24 bundles)	\$101.2

- Absorb quickly and certainly dirt like a large amount of water or oil. • 0144b/0142b: With a handle for portability. • 0154b: Roll type with perforations.
- Specification
- Material: Poly and recycled pulp for 01020/01030 and pulp 100% for others

WIPER (JKWIPESTM)

Order No.	Model No.	Type	Size (mm)	Quantity	Reference Price
3-4026-01	02001	folded in four	225 x 215	1 case (100 sheets/bundle + 24 bundles)	\$77.2
3-4026-02	02002	folded in four	470 x 420	1 case (100 sheets/bundle + 24 bundles)	\$96.2

- It has outstanding absorbency and strength and wipe off quickly and easily dirt, water and oil.
- Small size is ideal for glass tools, measuring instruments, large size is ideal for maintenance of various tools, finishing of manufacturing, or hand-wiping after work.

- Specification
- Material: Pulp 100%
- Quantity: 1 case (100 sheets/bundle + 24 bundles)

WIPER (WypallTM)

Order No.	Model No.	Type	Size (mm)	Quantity	Reference Price
3-4027-01	03001	folded in four	225 x 215	1 case (100 sheets/bundle + 24 bundles)	\$117.5
3-4027-02	03002	folded in four	225 x 215	1 case (100 sheets/bundle + 24 bundles)	\$135.6
3-4027-03	03003	folded in four	340 x 400	1 case (100 sheets/bundle + 24 bundles)	\$122
3-4027-04	03004	folded in four	340 x 400	1 case (100 sheets/bundle + 24 bundles)	\$119.3
3-4027-05	03005	folded in four	340 x 400	1 case (100 sheets/bundle + 24 bundles)	\$134.2
3-4027-06	03006	folded in four	340 x 400	1 case (100 sheets/bundle + 24 bundles)	\$131

- Exhibits outstanding strength even when soaked in water or solvent.
- Has greater absorbing power than cloth and rarely causes threaded waste or fluff.
- Comes in compact package making it easy to store and carry around.
- 880 is thicker type.

- Specification
- Material: Pulp + Polypropylene Non-woven Fabric

BARRIER BAG

Order No.	Model No.	Type	Size (mm)	Quantity	Reference Price
3-4028-01	AL-8	folded in four	110 x 60 x 30	1 case (100 sheets/bundle + 24 bundles)	\$5.8
3-4028-02	AL-10	folded in four	120 x 60 x 30	1 case (100 sheets/bundle + 24 bundles)	\$12.5
3-4028-03	AL-11	folded in four	120 x 60 x 30	1 case (100 sheets/bundle + 24 bundles)	\$14.3
3-4028-04	AL-12	folded in four	120 x 60 x 30	1 case (100 sheets/bundle + 24 bundles)	\$16
3-4028-05	AL-13	folded in four	120 x 60 x 30	1 case (100 sheets/bundle + 24 bundles)	\$18.4
3-4028-06	AL-14	folded in four	120 x 60 x 30	1 case (100 sheets/bundle + 24 bundles)	\$20.5
3-4028-07	AL-15	folded in four	120 x 60 x 30	1 case (100 sheets/bundle + 24 bundles)	\$22.6
3-4028-08	AL-16	folded in four	120 x 60 x 30	1 case (100 sheets/bundle + 24 bundles)	\$24.7
3-4028-09	AL-17	folded in four	120 x 60 x 30	1 case (100 sheets/bundle + 24 bundles)	\$26.8
3-4028-10	AL-18	folded in four	120 x 60 x 30	1 case (100 sheets/bundle + 24 bundles)	\$28.9
3-4028-11	AL-19	folded in four	120 x 60 x 30	1 case (100 sheets/bundle + 24 bundles)	\$31
3-4028-12	AL-20	folded in four	120 x 60 x 30	1 case (100 sheets/bundle + 24 bundles)	\$33.1
3-4028-13	AL-21	folded in four	120 x 60 x 30	1 case (100 sheets/bundle + 24 bundles)	\$35.2
3-4028-14	AL-22	folded in four	120 x 60 x 30	1 case (100 sheets/bundle + 24 bundles)	\$37.3
3-4028-15	AL-23	folded in four	120 x 60 x 30	1 case (100 sheets/bundle + 24 bundles)	\$39.4
3-4028-16	AL-24	folded in four	120 x 60 x 30	1 case (100 sheets/bundle + 24 bundles)	\$41.5
3-4028-17	AL-25	folded in four	120 x 60 x 30	1 case (100 sheets/bundle + 24 bundles)	\$43.6
3-4028-18	AL-26	folded in four	120 x 60 x 30	1 case (100 sheets/bundle + 24 bundles)	\$45.7
3-4028-19	AL-27	folded in four	120 x 60 x 30	1 case (100 sheets/bundle + 24 bundles)	\$47.8
3-4028-20	AL-28	folded in four	120 x 60 x 30	1 case (100 sheets/bundle + 24 bundles)	\$49.9

- It stands itself, and exerts in light blocking effect and seal-up.
- It has excellent barrier effect, which avoid picking liquid and oxygen, by 5-layer Res.
- Specification
- Material: 5-layer PET-3PE-AL-3PE-PE
- Physical Properties: Vapor Permeability: 0.1 ~ 0.25 g/100days, Oxygen Permeability: Less than 1.0 ml/m² (24h atm)
- Usable Temperature Range: -40 ~ +90°C

Zipper that can be sealed by one-touch is provided!

ZIPPER PACK

Order No.	Model No.	Material	Size (mm)	Quantity	Reference Price
3-4029-01	04	0.04	40 x 50	1 bag (100 sheets)	\$6.4
3-4029-02	04	0.04	200 x 400	1 bag (100 sheets)	\$12.8
3-4029-03	04	0.04	240 x 480	1 bag (100 sheets)	\$17.4
3-4029-04	04	0.04	400 x 500	1 bag (100 sheets)	\$29
3-4029-05	04	0.04	100 x 120	1 bag (100 sheets)	\$7.0
3-4029-06	04	0.04	140 x 200	1 bag (100 sheets)	\$9.9
3-4029-07	04	0.04	170 x 240	1 bag (100 sheets)	\$13.2
3-4029-08	04	0.04	200 x 280	1 bag (100 sheets)	\$17
3-4029-09	04	0.04	240 x 340	1 bag (100 sheets)	\$21
3-4029-10	04	0.04	280 x 400	1 bag (100 sheets)	\$28.1
3-4029-11	04	0.04	340 x 480	1 bag (100 sheets)	\$39.5
3-4029-12	04	0.04	50 x 70	1 bag (100 sheets)	\$2.5
3-4029-13	04	0.04	60 x 80	1 bag (100 sheets)	\$2.6
3-4029-14	04	0.04	70 x 100	1 bag (100 sheets)	\$2.7
3-4029-15	04	0.04	80 x 120	1 bag (100 sheets)	\$2.9
3-4029-16	04	0.04	100 x 140	1 bag (100 sheets)	\$3.4
3-4029-17	04	0.04	120 x 170	1 bag (100 sheets)	\$4.2
3-4029-18	04	0.04	140 x 200	1 bag (100 sheets)	\$5.0
3-4029-19	04	0.04	160 x 240	1 bag (100 sheets)	\$6.6
3-4029-20	04	0.04	180 x 280	1 bag (100 sheets)	\$8.4

Stylish design with smart function and powerful washing! Introducing new standard!



AXEL ORIGINAL
100V



ULTRASONIC CLEANER(Single Frequency)

Order No.	Model No.	Color	Dimensions (mm)	Power (W)	Capacity (L)	Reference Price
2-4794-01	MCS-2	White	210x210x210	100	10	\$216.3
2-4794-02	MCS-3	White	260x210x210	200	20	\$482.7
2-4794-03	MCS-4	White	360x260x210	300	30	\$783.7
2-4794-04	MCS-13	White	360x360x210	100	13	\$1016.7
2-4794-05	MCS-13	White	360x360x210	100	13	\$1189.9
2-4794-06	MCS-20	White	400x400x210	200	20	\$1566.5
2-4794-07	MCS-27	White	400x400x210	200	27	\$1845.2

※ The inside dimension of the tank is the opening dimension. Bottom dimension: length x width x height.

- Specification
 - Material: Body / Stainless Steel (SUS304), Bath / Stainless Steel (SUS304)
 - Oscillator Circuit: Automatic Oscillation Method
 - Oscillator: RFT (Refined Frequency)
 - Oscillation Frequency: Single Frequency / 40kHz
 - Power Supply: AC100V / 50/60Hz (2P plug 2W)
 - Additional Function: Heater Function
- Setting range: normal temperature ~ 80°C / 1°C unit, Timer Function (setting range: 1 ~ 99 minutes / 1 minute interval), Degas Function
- Safety Function: Overcurrent Protection, Heater Overheat Prevention
- Water Plug: Manual Draining Valve (5L or more)
- Accessories: Washing Basket, Lid, Hose Nipple

- It is rugged stainless steel housing that can be used not only in laboratories but also in factories.
- Liquid crystal display with excellent visibility, it is easy-to-operate top panel that stood still.
- It has long time timer function up to 99 minutes.
- Since it has degas function, effective cleaning can be done by removing gas in cleaning solution.
- Depending on memory function, temperature and time setting values are memorized even when power is turned off.
- For dual frequency type, possible to select frequency according to contamination of washing object.
- Once frequency automatic alternate operation function is attached, finer cleaning is possible without trouble.

Model No.	MCS-2	MCS-3	MCS-4	MCS-13	MCS-20	MCS-27	MCS-30	MCS-33	MCS-33	MCS-33	MCS-33	MCS-33	MCS-33	MCS-33	MCS-33	MCS-33
Ref. Capacity	approx. 2L	approx. 3L	approx. 4L	approx. 13L	approx. 20L	approx. 27L	approx. 30L	approx. 33L	approx. 33L	approx. 33L	approx. 33L	approx. 33L	approx. 33L	approx. 33L	approx. 33L	approx. 33L
Material	Body / Stainless Steel (SUS304), Bath / Stainless Steel (SUS304)															
Display	LED liquid crystal															
Oscillation Method	Self Oscillation Method															
Transducer	RFT (Refined Frequency)															
Output	100W	200W	300W	100W	200W	300W	100W	200W	300W	100W	200W	300W	100W	200W	300W	100W
Oscillation Frequency	40kHz	40kHz	40kHz	40kHz	40kHz	40kHz	40kHz	40kHz	40kHz	40kHz	40kHz	40kHz	40kHz	40kHz	40kHz	40kHz
Power Supply / Power Cord	AC100V / 50/60Hz / 2P plug															
Switch	11/40kHz Switching, Alternate Operation (1 minute interval)															
Additional Function	Heater Function (range: normal temperature ~ 80°C / 1°C unit), Timer Function (range: 1 ~ 99 minutes / 1 minute unit), Degas Function															
Safety Function	Overcurrent Protection, Heater Overheat Prevention, Overload Protection															
Water Plug	Manual Draining Valve															
Accessories	Washing Basket, Lid, Hose Nipple															
Weight	approx. 2kg	approx. 4kg	approx. 5kg	approx. 13kg	approx. 20kg	approx. 27kg	approx. 30kg	approx. 33kg	approx. 33kg	approx. 33kg	approx. 33kg	approx. 33kg	approx. 33kg	approx. 33kg	approx. 33kg	approx. 33kg

ULTRASONIC CLEANER(Dual Frequency)

Order No.	Model No.	Color	Dimensions (mm)	Power (W)	Capacity (L)	Reference Price
2-4797-01	MCS-2	White	210x210x210	100	10	\$451.9
2-4797-02	MCS-3	White	260x210x210	200	20	\$577.8
2-4797-03	MCS-4	White	360x260x210	300	30	\$1099.2
2-4797-04	MCS-13	White	360x360x210	100	13	\$1242.7
2-4797-05	MCS-13	White	360x360x210	100	13	\$1383.2
2-4797-06	MCS-20	White	400x400x210	200	20	\$1724.7
2-4797-07	MCS-27	White	400x400x210	200	27	\$2003.3

※ The inside dimension of the tank is the opening dimension. Bottom dimension: length x width x height.

- Specification
 - Material: Body / Stainless Steel (SUS304), Bath / Stainless Steel (SUS304)
 - Oscillator Circuit: Automatic Oscillation Method
 - Oscillator: RFT (Refined Frequency)
 - Oscillation Frequency: Dual Frequency / 40kHz, 80kHz
 - Power Supply: AC100V / 50/60Hz (2P plug 2W)
 - Additional Function: Heater Function
- Setting range: normal temperature ~ 80°C / 1°C unit, Timer Function (setting range: 1 to 99 minutes / 1 minute interval), Degas Function
- Safety Function: Overcurrent Protection, Heater Overheat Prevention
- Water Plug: Manual Draining Valve (5L or more)
- Accessories: Washing Basket, Lid, Hose Nipple

BRUSH

Order No.	Model No.	Type	Material	Reference Price
2-5000-01	2147	for test tube	1	\$0.7
2-5000-02	2148	for test tube	1	\$0.8
2-5000-03	2149	for graduated cylinder	1	\$0.8
2-5000-04	2150	for graduated cylinder	1	\$0.7
2-5000-05	2151	for graduated cylinder	1	\$0.8
2-5000-06	2152	for graduated cylinder	1	\$1.1
2-5000-07	2153	for graduated cylinder	1	\$1.4
2-5000-08	2154	for graduated cylinder	1	\$1.6
2-5000-09	2155	for graduated cylinder	1	\$2
2-5000-10	2156	for graduated cylinder	1	\$2.4
2-5000-11	2157	for graduated cylinder	1	\$1.1
2-5000-12	2158	for graduated cylinder	1	\$1.1
2-5000-13	2159	for graduated cylinder	1	\$1.7
2-5000-14	2160	for graduated cylinder	1	\$2.5
2-5000-15	2161	for graduated cylinder	1	\$2.4
2-5000-16	2162	for graduated cylinder	1	\$1.7
2-5000-17	2163	for graduated cylinder	1	\$1.7
2-5000-18	2164	for graduated cylinder	1	\$2.2
2-5000-19	2165	for graduated cylinder	1	\$2.5
2-5000-20	2166	for graduated cylinder	1	\$1.4
2-5000-21	2167	for graduated cylinder	1	\$1.4
2-5000-22	2168	for graduated cylinder	1	\$1.6
2-5000-23	2169	for graduated cylinder	1	\$2



● Lightweight and durable.

- Specifications
 - Brush material: PBT bristles
 - Handle material: wire, steel

Order No.	Model No.	Type	Material	Reference Price
2-5000-24	2170	Brush for graduated bottle	1000	

Quick dry after cleaning equipment



DRYING CABINET

Order No.	Model No.	Type	Size (mm)	Reference Price
3-3011-11	AG-SDN	Warm air	444×517×1045	\$1159.8
3-3011-111	AG-WDN	Warm air	444×517×1045	\$1446
3-3011-112	AG-SDS	Warmer	444×517×1045	\$833.9
3-3011-113	AG-WDS	Warmer	444×517×1045	\$1227.6

Wire mesh and basket and mounting rails are not included.

- **AG-SDN/AG-WDN**
 - Quick drying of equipment with warm air, and the product can be used as a storage box after drying.
- **AG-SDS/AG-WDS**
 - Economy models solely dedicated to air-blowing without heater and timer functions.
 - Without using heaters, these models provide improved energy saving and safety performance.
 - The models can also be used particularly for drying plastic containers that may cause you to worry about heat resistance.
 - Common to all models:
 - Mesh shelves are smoothly inserted and removed with sliding rails.

Specifications

	AG-SDN/AG-WDN	AG-SDS/AG-WDS
Material	Stainless steel mesh (cold air), Heat Resistant (polypropylene) and heat resistant (polypropylene) (heat resistant only, Heat Resistant only, Heat Resistant only)	
Door	Magnetic packing type	
Weight	AG-SDN: Approx. 11 kg AG-WDN: Approx. 48 kg	AG-SDS: Approx. 11 kg AG-WDS: Approx. 48 kg
Maximum shelf mounting levels	AG-SDN/SDS: (Shelf type 1) 10 levels, (Shelf type 2) 10 levels, (Shelf type 3) 10 levels, (Shelf type 4) 10 levels, (Shelf type 5) 10 levels, (Shelf type 6) 10 levels, (Shelf type 7) 10 levels, (Shelf type 8) 10 levels, (Shelf type 9) 10 levels, (Shelf type 10) 10 levels	
Capacity	400W (with front wheel stopper)	
Heater	400W	
Warm air	Room temperature +10°C, +15°C	
Air volume (m³/min)	1.34 (m³/min), 1.14 (m³/min)	
Timer	Setting: adjustable up to 99 hours	
Safety device	Includes temperature fuse to prevent over-heating	Overcurrent protection fuse 1 A
Power supply	100VAC, 50/60Hz, 4.8 A	100VAC, 50/60Hz, 4.8 A
Power cord length	1.8 m with 3P plug	

• All prices are subject to change without notice.

DRYING CABINET ACCESSORIES

Order No.	Model No.	Dimensions (mm)	Reference Price
3-3014-01	Deep Basket Shelf	258×480×45	\$21.1
3-3014-02	Shallow Basket Shelf	258×480×35	\$19.6
3-3014-03	Mesh Tray Shelf	258×480×10	\$78.3
3-3014-04	Mesh Shelf 20	341×410	\$72.7
3-3014-05	Mesh Shelf 30	341×410	\$75.1
3-3014-06	Mesh Shelf 70	341×410	\$79.8
3-3014-07	Pipette Holder	15 Hanging	\$113.7

- **Specification**
 - Basket Shelf: SUS Tray Shelf, Rail provided
 - Mesh Shelf: Sliding Rail provided
 - Square Hole Dimensions of Mesh Shelf: 65/37×62mm (20 holes), 65/42×62mm (30 holes), 65/42×62mm (70 holes)
 - Pipette Holder: Available Pipette Length: 150~400mm, Material: Stainless Steel (SUS304)
 - Withstand Load: Mesh Shelf: 7kg (approx. load), Basket Shelf: 7kg (approx. load), SUS Tray Shelf: 7kg (approx. load)



DRYING CABINET

Order No.	Model No.	Type	Size (mm)	Reference Price
3-3011-01	AGD	444×517×1045	444×517×1045	\$677.8
3-3011-02	AGW	444×517×1045	444×517×1045	\$864

Wire mesh and basket are sold separately. Please check the accessories (P.12)

- Magnet packing of the door helps to keep instruments clearly.
- Shelf spacing is 50mm pitch.
- Mesh shelf (optional) is slide rail type, so it can be pulled out smoothly and useful to take in and out cylinders and flasks.
- **Specification**
 - Material: Multi Panel / PMMA (polypropylene) without styrene Plate, Frame / Main frame (aluminum processing)
 - Door: Magnet Packing Type
 - Color: gray / Material: PMMA / Polypropylene
 - Weight: AGD: 7.5kg, AGW: 7.5kg
- **Accessories**
 - Water Pan: AGD: 1 piece, AGW: 2 pieces



STERILIZATION INDICATOR TAPE (For Autoclave)

Order No.	Model No.	Dimensions (mm)	Reference Price
3-4027-01	SL-12	12×12.7	\$7.5
3-4027-02	SL-14	20×12.7	\$9.9
3-4027-03	SL-16	20×12.7	\$12.3
3-4027-04	SL-18 8 Red	20×12.7	\$10.2
3-4027-05	SL-18 8 Yellow		\$10.2
3-4027-06	SL-18 8 Green		\$10.2
3-4027-07	SL-18 8 Blue		\$10.2
3-4027-08	SL-18 8 Black	20×12.7	\$10.2
3-4027-09	SL-18 8 Red		\$10.2
3-4027-10	SL-18 8 Yellow		\$10.2
3-4027-11	SL-18 8 Green		\$10.2
3-4027-12	SL-18 8 Blue	20×12.7	\$10.2
3-4027-13	SL-18 8 Black		\$10.2
3-4027-14	SL-18 8 Red		\$10.2
3-4027-15	SL-18 8 Yellow		\$10.2

- Word of "STERILIZED" appears to indicate after autoclaved.
- Writable on tape.
- **SL-18 8** (SL-18 8)
- Line of Red, Yellow, Green, Blue and Black is printed on edge of tape enable to discern by colors.
- **SL-18 8**
 - Word of "STERILIZED" will appear on word of "CONTAMINATED" after autoclaved.
 - **SL-18 8** (SL-18 8)
 - Column to write batch number and date is printed on tape.
- **Specification**
 - Quantity: 1 roll



SANISPEC AUTOCLAVE BAG

Order No.	Model No.	Dimensions (mm)	Quantity	Reference Price
3-3018-01	SP-100	100×100	1 bag (100 pieces)	\$24.7

- This bag is excellent in cost performance for small sterile dosherry.
- **Specification**
 - Material: Heat resistant PP (polypropylene)
 - Heat resistant temperature: 121°C
 - Thickness: 0.05mm

High power low-noise design



Model No.	Size	Tank Capacity	Air Volume	Maximum suction power	Power supply	Power consumption	Weight
SGV-1100A-PC	316 × 316 × 682 mm	12 L	2.6 m³/min	220 W	Single phase 210 V, cord length: 8 m	1100 W	11 kg

HIGH POWER CLEANER

Order No.	Model No.	Type	Tank	Tank capacity	Reference Price
3-3019-01	SGV-1100A-PC	Universal type	12 L	12 L	\$822.4
3-3019-02	SGV-1100B-PC	Only for dry type	12 L	12 L	\$854.7

- The SGV-1100A series is equipped with a versatile filter capable of collecting water, oil, and general waste.
- The SGV-1100B series is equipped with a dry-type filter capable of collecting almost completely fine particles up to 2 µm.

Brands List

As One Corporation has a wide variety of products from reputable brands available for purchase in Japan, Europe and the United States



Safety Protection Supplies

Good barrier to bacteria, particles, and liquids



FACE MASK

Order No.	Model No.	Size	Quantity	Reference Price
2-3022-01	AXM	175x95	Regular (1 box (100 pieces))	\$3.0

off-price per box

- Conforms to the U.S. medical mask standard ASTM F2100-19 LEVEL 2.
- Made with flat rubber that is less likely to cause ear pain.

- Specification**
 - Material: PP non-woven fabric (3 layers), Nose clip/PE
 - FF: (bacterial filtration efficiency): More than 99%
 - FF: (particulate filtration efficiency): More than 99%
 - FF: (virus filtration efficiency): More than 99%
 - Flammability: Class 1
 - Ear loop type (flat rubber)
 - Liquid Protection: 120 mmHg (ASTM F2100-19 Level 2 compliant)
 - Refutation Resistance (4h): >3.0 mmHg/cm²
 - Quantity per Case: 40 boxes



ACTIVATED CARBON FACE MASK (Individually packaged)

Order No.	Model No.	Size	Quantity	Reference Price
2-3023-01	ACM	175x95	1 box (100 pieces)	\$3.3

off-price per box

- Hypersonic and individually wrapped product.
- Specification**
 - Material: PP non-woven fabric (4 layers) Body, PE nose clip
 - Particulate Filtration Efficiency (PFE): 99.9%
 - Flow Size: 2.10x1.05x1.20mm



DISPOSABLE MASK FOR CLEAN ROOM

Order No.	Model No.	Size	Quantity	Reference Price
2-3024-01	Regular type	180	1 box (100 pieces)	\$15.6
2-3024-02	Overhead type	180	1 box (100 pieces)	\$17.3
2-3024-03	Wide type	210	1 box (100 pieces)	\$18.5

- Each sheet is clean-packed.
- Three-layer construction with non-woven fabric that reduces heat by heat.
- Item numbers 2-3024-02 and -03 are the overhead type, so they are suitable for long periods of use.

- Specification**
 - Material: 100% non-woven fabric (nose part), PE (nose clip)
 - PP (particulate type), wide type, PE (particulate type)

ANTIDUST MASK (Activated Carbon Filter)

Order No.	Model No.	Quantity	Reference Price
2-3025-01	1180C-01	1 box (100 pieces)	\$17.2
2-3025-02	FilterLAS 21C	1 box (100 pieces)	\$3.3

- Make filter medium contain activated carbon and remove simultaneously particulate, ultra low density organic smell and ozone.

- Specification**
 - Particle Collection Efficiency: 95.0% or more (average 97.3%)
 - Flow Resistance: 1.65 ~ 1.50Pa (average 1.57Pa)
 - Flow Resistance: 4.2 ~ 2.5Pa (average 4.3Pa)
 - Mass: 80.1 ~ 12.5g
 - Body Material: Silicone Rubber
 - Liquid Natural Airtight Approval: No. TAW-04
 - Class: R2
 - Accessories: Filter LAS-21C x1



SAFETY GLASSES

Order No.	Model No.	Quantity	Reference Price
2-3026-01	SGV-01	1 box (100 pieces)	\$3.5

- Nose grip made of silicon does not give a feeling of oppression.
- Specification**
 - Material: Nylon frame, polycarbonate lens



PROTECTIVE EYEGLASSES

Order No.	Model No.	Quantity	Reference Price
2-3027-01	VC-3010	With side ventilation	\$1.8
2-3027-02	VC-3020	Without side ventilation	\$1.7

- Specification**
 - Material: Polycarbonate (frame, lens)
 - Can be used with glasses
 - Weight: Approx. 45 g



FACE SHIELD

Order No.	Model No.	Size	Quantity	Reference Price
2-3028-01	FS-8000	S	1 box (100 pieces)	\$9.5
2-3028-02	FS-8000 Replacement Lens	S	1 box (100 pieces)	\$8.3
2-3028-03	FS-8000	L	1 box (100 pieces)	\$12.8
2-3028-04	FS-8000 Replacement Lens	L	1 box (100 pieces)	\$15.1

- Light type which ultra-light weight type that does not fatigue in long-time wearing.
- Putting on and taking off is single action.
- Anti-fog processing on inside, clear view is always maintained.

- Specification**
 - Material: Frame: PC (polycarbonate), Lens: PET (polyethylene terephthalate), Strap Parts: Polyester
 - Exchangeable lens
 - Weight: L: approx. 25g, S: approx. 18g



LATEX GLOVES (Fingertip Embossed, Powder-free)

Order No.	Size	Quantity	Reference Price
2-3029-01	L	1 box (100 pieces)	\$11.3
2-3029-02	M	1 box (100 pieces)	\$11.3
2-3029-03	S	1 box (100 pieces)	\$11.3

off-price per box

- Specification**
 - Material: Latex (avoiding adulteration)
 - Overall length: 340 mm
 - Thickness: 0.08 mm (palmar part)
 - Fingertip embossing
 - Both left and right common use
 - Box Size: 220 x 110 x 65 mm
 - Powder free
 - Quantity per Case: 10 boxes



PE GLOVES (Thick Type)

Order No.	Model No.	Size	Quantity	Reference Price
2-3030-01	Standard	M	1 box (100 pieces)	\$8.5
2-3030-02	Standard	S	1 box (100 pieces)	\$8.5
2-3030-03	Carbon	M	1 box (100 pieces)	\$9.1
2-3030-04	Carbon	S	1 box (100 pieces)	\$9.1

- Specification**
 - Material: PE (polyethylene)
 - Thickness: Standard: 0.15mm, Embossed: 0.18mm
 - Embossed Choke: Safety thickness 1.4M-5

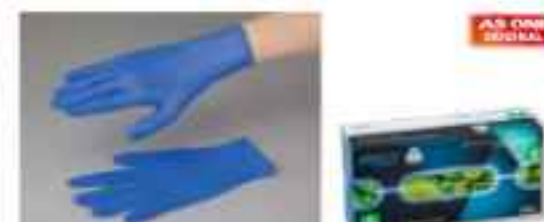


LONG GLOVES

Order No.	Model No.	Quantity	Reference Price
2-3031-01	Super Long	1 box (100 pieces)	\$27.4

off-price per box

- Longest glove in our product line.
- Specification**
 - Material: PE (polyethylene)
 - Length: approx. 500mm
 - Thickness: approx. 0.2mm
 - Quantity per Carton: 100 pieces



NITRILE GLOVES (Powder-free)

Order No.	Model No.	Quantity	Reference Price
2-3032-01	S	1 box (100 pieces)	\$17.3
2-3032-02	M	1 box (100 pieces)	\$17.3
2-3032-03	L	1 box (100 pieces)	\$17.3

off-price per box

- Specification**
 - Material: Nitrile rubber
 - Overall length: approx. 320 mm
 - Thickness: approx. 0.07 mm (finger), approx. 0.09 mm (palm)
 - Both left and right common use
 - ACTIVATED standard conforming product
 - Chemical resistant
 - Box Size: 245 x 125 x 48 mm
 - Quantity per Case: 10 boxes



PLASTIC GLOVES (Thin-type, powder-free)

Order No.	Size	Quantity	Reference Price
2-3033-01	L	1	\$5.2
2-3033-02	M	1	\$5.2
2-3033-03	S	1	\$5.2

off-price per box

- Thin-type gloves that are natural and comfortable to use.
- Specification**
 - Material: PVC (polyvinyl chloride)
 - Overall length: 230 mm
 - Both left and right common use
 - Box size: 230 x 130 x 15 mm
 - Quantity per Case: 10 boxes

High oil resistance and grip



NITRILE COATED GLOVES(Overlocked)

Order No.	Size	Quantity	Reference Price
3-0461-01	LL	1 bag (7 pair)	\$50.9
3-0461-02	L		\$50.9
3-0461-03	M		\$50.9
3-0461-04	S	1 bag (10 pairs)	\$50.9
3-0461-05	LL		\$50.9
3-0461-06	L		\$50.9
3-0461-07	M	1 bag (10 pairs)	\$50.9
3-0461-08	S		\$50.9

①②③④⑤⑥⑦⑧⑨⑩⑪⑫⑬⑭⑮⑯⑰⑱⑲⑳㉑㉒㉓㉔㉕㉖㉗㉘㉙㉚㉛㉜㉝㉞㉟㊱㊲㊳㊴㊵㊶㊷㊸㊹㊺㊻㊼㊽㊾㊿

- ①②③④⑤⑥⑦⑧⑨⑩⑪⑫⑬⑭⑮⑯⑰⑱⑲⑳㉑㉒㉓㉔㉕㉖㉗㉘㉙㉚㉛㉜㉝㉞㉟㊱㊲㊳㊴㊵㊶㊷㊸㊹㊺㊻㊼㊽㊾㊿



STRONG ACID RESISTANT GLOVES(FTELON)

Order No.	Type	Quantity	Reference Price
3-0501-01	A-22 (Short)	1 pair	\$38.1
3-0501-02	B-22 (Short)		\$32.4
3-0501-03	A-22 (Long)	1 pair	\$62.1
3-0501-04	B-22 (Long)		\$26.8

- ①②③④⑤⑥⑦⑧⑨⑩⑪⑫⑬⑭⑮⑯⑰⑱⑲⑳㉑㉒㉓㉔㉕㉖㉗㉘㉙㉚㉛㉜㉝㉞㉟㊱㊲㊳㊴㊵㊶㊷㊸㊹㊺㊻㊼㊽㊾㊿



FLUORIDE COATING ARM COVERS

Order No.	Model No.	Quantity	Reference Price
3-0711-01	CF-M1A1	1 pair	\$56.9

- ①②③④⑤⑥⑦⑧⑨⑩⑪⑫⑬⑭⑮⑯⑰⑱⑲⑳㉑㉒㉓㉔㉕㉖㉗㉘㉙㉚㉛㉜㉝㉞㉟㊱㊲㊳㊴㊵㊶㊷㊸㊹㊺㊻㊼㊽㊾㊿



SOLVENT RESISTANT GLOVES

Order No.	Model No.	Length (cm)	Quantity	Reference Price
3-0711-01	No.2211	130	1 pair	\$18.1
3-0711-02	No.2212	130		\$18.1
3-0711-03	No.2213	130		\$18.1
3-0711-04	No.2214	130		\$18.1

①②③④⑤⑥⑦⑧⑨⑩⑪⑫⑬⑭⑮⑯⑰⑱⑲⑳㉑㉒㉓㉔㉕㉖㉗㉘㉙㉚㉛㉜㉝㉞㉟㊱㊲㊳㊴㊵㊶㊷㊸㊹㊺㊻㊼㊽㊾㊿

- ①②③④⑤⑥⑦⑧⑨⑩⑪⑫⑬⑭⑮⑯⑰⑱⑲⑳㉑㉒㉓㉔㉕㉖㉗㉘㉙㉚㉛㉜㉝㉞㉟㊱㊲㊳㊴㊵㊶㊷㊸㊹㊺㊻㊼㊽㊾㊿



HEAT RESISTANT GLOVES

Order No.	Model No.	Length (cm)	Quantity	Reference Price
3-0711-01	HR-22	approx. 275	1 pair	\$81.3
3-0711-02	HR-22	approx. 450		\$88.1

- ①②③④⑤⑥⑦⑧⑨⑩⑪⑫⑬⑭⑮⑯⑰⑱⑲⑳㉑㉒㉓㉔㉕㉖㉗㉘㉙㉚㉛㉜㉝㉞㉟㊱㊲㊳㊴㊵㊶㊷㊸㊹㊺㊻㊼㊽㊾㊿



ANTISTATIC ARM COVERS

Order No.	Model No.	Quantity	Reference Price
3-0711-01	AT-22	1 pair	\$16.6

- ①②③④⑤⑥⑦⑧⑨⑩⑪⑫⑬⑭⑮⑯⑰⑱⑲⑳㉑㉒㉓㉔㉕㉖㉗㉘㉙㉚㉛㉜㉝㉞㉟㊱㊲㊳㊴㊵㊶㊷㊸㊹㊺㊻㊼㊽㊾㊿



DISPOSABLE APRON

Order No.	Color	Quantity	Reference Price
3-0711-01	White	100 sheets	\$8.7
3-0711-02	Blue		\$8.7
3-0711-03	Pink		\$8.7
3-0711-04	Disinfectant Resistant	-	\$27.9

①②③④⑤⑥⑦⑧⑨⑩⑪⑫⑬⑭⑮⑯⑰⑱⑲⑳㉑㉒㉓㉔㉕㉖㉗㉘㉙㉚㉛㉜㉝㉞㉟㊱㊲㊳㊴㊵㊶㊷㊸㊹㊺㊻㊼㊽㊾㊿

- ①②③④⑤⑥⑦⑧⑨⑩⑪⑫⑬⑭⑮⑯⑰⑱⑲⑳㉑㉒㉓㉔㉕㉖㉗㉘㉙㉚㉛㉜㉝㉞㉟㊱㊲㊳㊴㊵㊶㊷㊸㊹㊺㊻㊼㊽㊾㊿



ECONOMY SHOES COVER

Order No.	Material	Size	Quantity	Reference Price
3-0711-01	AC100	One size fits all	1 bag (100 pairs)	\$7.9

- ①②③④⑤⑥⑦⑧⑨⑩⑪⑫⑬⑭⑮⑯⑰⑱⑲⑳㉑㉒㉓㉔㉕㉖㉗㉘㉙㉚㉛㉜㉝㉞㉟㊱㊲㊳㊴㊵㊶㊷㊸㊹㊺㊻㊼㊽㊾㊿



NONSLIP TAPE

Order No.	Material	Size	Quantity	Reference Price
3-0711-01	V-10.1	Black	1 roll	\$4.8
3-0711-02	V-10.2	Green		\$5.5
3-0711-03	V-10.3	Black/White		\$5.5
3-0711-04	V-10.4	Yellow		\$5.5
3-0711-05	V-10.5	Fluorescent	1 roll	\$12.1

- ①②③④⑤⑥⑦⑧⑨⑩⑪⑫⑬⑭⑮⑯⑰⑱⑲⑳㉑㉒㉓㉔㉕㉖㉗㉘㉙㉚㉛㉜㉝㉞㉟㊱㊲㊳㊴㊵㊶㊷㊸㊹㊺㊻㊼㊽㊾㊿



SEPARATE DISPOSABLE WEAR

Order No.	Material	Size	Quantity	Reference Price
3-0711-01	White	M	100 sheets	\$2.4
3-0711-02	Blue			\$2.4
3-0711-03	Pink			\$2.4
3-0711-04	Disinfectant Resistant	-	-	\$2.4

- ①②③④⑤⑥⑦⑧⑨⑩⑪⑫⑬⑭⑮⑯⑰⑱⑲⑳㉑㉒㉓㉔㉕㉖㉗㉘㉙㉚㉛㉜㉝㉞㉟㊱㊲㊳㊴㊵㊶㊷㊸㊹㊺㊻㊼㊽㊾㊿



EAR PLUGS

Order No.	Material	Size	Quantity	Reference Price
3-0711-01	EP-100	1 bag (1 pair)	100 pairs	\$0.2
3-0711-02	EP-100	1 bag (1 pair)		\$2.4

- ①②③④⑤⑥⑦⑧⑨⑩⑪⑫⑬⑭⑮⑯⑰⑱⑲⑳㉑㉒㉓㉔㉕㉖㉗㉘㉙㉚㉛㉜㉝㉞㉟㊱㊲㊳㊴㊵㊶㊷㊸㊹㊺㊻㊼㊽㊾㊿



MAT FOR ACID AND ALKALI

Order No.	Material	Size	Quantity	Reference Price
3-0711-01	MAT-10A	100x100cm	1 sheet	\$178.5
3-0711-02	MAT-10B	100x100cm		\$108.8
3-0711-03	MAT-10C	100x100cm	1 sheet	\$177
3-0711-04	MAT-10D	100x100cm		\$507.6

- ①②③④⑤⑥⑦⑧⑨⑩⑪⑫⑬⑭⑮⑯⑰⑱⑲⑳㉑㉒㉓㉔㉕㉖㉗㉘㉙㉚㉛㉜㉝㉞㉟㊱㊲㊳㊴㊵㊶㊷㊸㊹㊺㊻㊼㊽㊾㊿



SIMPLE TYPE CLEAN BOOTH

Order No./Model No.	Specifications	Size (mm)	Reference Price
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2-4000-01 AIG type With single fan unit 200 x 200 x 120 (H) \$549.2

2-4000-02 AIG type With double fan unit 180 x 180 x 120 (H) \$1021.8

*The height is adjustable. Indicate height that is suitable for height of 1715.

*Simplified booth built of a combination of stainless steel pipe frame and transparent sheet.

■ Specifications

● Filter: Non-woven fabric pre-filter, antibacterial and deodorant HEPA filter.

● Air Volume: Approx. 1 m³/min. ● Wind Velocity: Approx. 0.5 m/s.

● Dust Collection Efficiency: 99.97% or more (0.3 μm particles).

● HEPA Filter Size: 200 x 300 x 50 mm.

● Sheet: Soft PVC, thickness 0.5 mm. ● Pipe: φ12 mm stainless steel SUS304.

● Power Supply: 220 to 240V per fan unit. ● Weight (including unit): 7.2 kg.



CLEAN GLOVE BOX

Order No./Model No.	Specifications	Size (mm)	Reference Price
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2-4000-03 AIG type 140 x 400 x 600 \$873.6

*Clean Glove Box is with pre-filter. Works off with standard Model 2 fan unit.

■ Vertical flow type glove box with high cleanliness.

■ Dust particles inside box will drop through double bottom plates and be discharged to outside.

■ Specifications

● HEPA filter

● HEPA filter

● Dust Collection Efficiency: 99.97% or more (0.3 μm particles).

● Air Volume: 1 m³/min. ● Dust Collector: Class 100.

● Main unit

● Material: PMMA (acrylic). ● Inner Dimensions: 520 x 485 x 460 mm.

● Power Supply: 220 to 240V. ● Weight: Approx. 12 kg (including fan unit part).

ASPURE COVERALL (Center Fastener, Without Hood)

Order No./Model No.	Color	Size	Reference Price
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2-4100-01 22100W White S \$29.4

2-4100-02 22100W White M \$29.4

2-4100-03 22100W White L \$29.4

2-4100-04 22100W White XL \$29.4

2-4100-05 22100W White 2XL \$29.4

2-4100-06 22100W White 3XL \$29.4

2-4100-07 22100W White 4XL \$29.4

2-4100-08 22100W White 5XL \$29.4

2-4100-09 22100W White 6XL \$29.4

2-4100-10 22100W White 7XL \$29.4

2-4100-11 22100W White 8XL \$29.4

2-4100-12 22100W White 9XL \$29.4

2-4100-13 22100W White 10XL \$29.4

2-4100-14 22100W White 11XL \$29.4

2-4100-15 22100W White 12XL \$29.4

2-4100-16 22100W White 13XL \$29.4

2-4100-17 22100W White 14XL \$29.4

2-4100-18 22100W White 15XL \$29.4

2-4100-19 22100W White 16XL \$29.4

2-4100-20 22100W White 17XL \$29.4

2-4100-21 22100W White 18XL \$29.4

2-4100-22 22100W White 19XL \$29.4

2-4100-23 22100W White 20XL \$29.4

2-4100-24 22100W White 21XL \$29.4

2-4100-25 22100W White 22XL \$29.4

2-4100-26 22100W White 23XL \$29.4

2-4100-27 22100W White 24XL \$29.4

2-4100-28 22100W White 25XL \$29.4

2-4100-29 22100W White 26XL \$29.4

2-4100-30 22100W White 27XL \$29.4

2-4100-31 22100W White 28XL \$29.4

2-4100-32 22100W White 29XL \$29.4

2-4100-33 22100W White 30XL \$29.4

2-4100-34 22100W White 31XL \$29.4

2-4100-35 22100W White 32XL \$29.4

2-4100-36 22100W White 33XL \$29.4

2-4100-37 22100W White 34XL \$29.4

2-4100-38 22100W White 35XL \$29.4

2-4100-39 22100W White 36XL \$29.4

2-4100-40 22100W White 37XL \$29.4

2-4100-41 22100W White 38XL \$29.4

2-4100-42 22100W White 39XL \$29.4

2-4100-43 22100W White 40XL \$29.4

2-4100-44 22100W White 41XL \$29.4

2-4100-45 22100W White 42XL \$29.4

2-4100-46 22100W White 43XL \$29.4

2-4100-47 22100W White 44XL \$29.4

2-4100-48 22100W White 45XL \$29.4

2-4100-49 22100W White 46XL \$29.4

2-4100-50 22100W White 47XL \$29.4

2-4100-51 22100W White 48XL \$29.4

2-4100-52 22100W White 49XL \$29.4

2-4100-53 22100W White 50XL \$29.4

2-4100-54 22100W White 51XL \$29.4

2-4100-55 22100W White 52XL \$29.4

2-4100-56 22100W White 53XL \$29.4

2-4100-57 22100W White 54XL \$29.4

2-4100-58 22100W White 55XL \$29.4

2-4100-59 22100W White 56XL \$29.4

2-4100-60 22100W White 57XL \$29.4

2-4100-61 22100W White 58XL \$29.4

2-4100-62 22100W White 59XL \$29.4

2-4100-63 22100W White 60XL \$29.4

2-4100-64 22100W White 61XL \$29.4

2-4100-65 22100W White 62XL \$29.4

2-4100-66 22100W White 63XL \$29.4

2-4100-67 22100W White 64XL \$29.4

2-4100-68 22100W White 65XL \$29.4

2-4100-69 22100W White 66XL \$29.4

2-4100-70 22100W White 67XL \$29.4

2-4100-71 22100W White 68XL \$29.4

2-4100-72 22100W White 69XL \$29.4

2-4100-73 22100W White 70XL \$29.4

2-4100-74 22100W White 71XL \$29.4

2-4100-75 22100W White 72XL \$29.4

2-4100-76 22100W White 73XL \$29.4

2-4100-77 22100W White 74XL \$29.4

2-4100-78 22100W White 75XL \$29.4

2-4100-79 22100W White 76XL \$29.4

2-4100-80 22100W White 77XL \$29.4

2-4100-81 22100W White 78XL \$29.4

2-4100-82 22100W White 79XL \$29.4

Excellent durability and electrostatic dissipation



ASPURE NITRILE GLOVES II (Pure Pack Smooth non-emboss)

Order No.	Size	Quantity	Reference Price
1-4797-01	L	1 box (100 pieces/bag × 10 bags)	\$291.5
1-4797-02	M		\$291.5
1-4797-03	S		\$291.5
1-4797-04	XS		\$291.5

● Synthetic rubber gloves compatible with high level clean environments.

Specifications

- Material: Full nitrile rubber
- Surface: Powder free
- Surface Resistivity: $10^{11} \sim 10^{12} \Omega/\square$
- Overall Length: Approx. 300mm (12 inches)
- Thickness: Approx. 0.14mm (0.0055 inches)
- Double chlorination
- Both left and right common use
- Double wrapped for clean room
- Quantity: 1 case (100 pieces/bag × 10 bags)

AS ONE ORIGINAL

Perfectly fitting your fingertips!



ASPURE LATEX GLOVES II (Pure Pack Smooth non-emboss)

Order No.	Size	Quantity	Reference Price
1-4798-01	L	1 box (100 pieces/bag × 10 bags)	\$285.1
1-4798-02	M		\$285.1
1-4798-03	S		\$285.1
1-4798-04	XS		\$285.1

Specifications

- Material: Natural rubber
- Surface: Powder free
- Overall Length: Approx. 300mm (12 inches)
- Thickness: Thicker type: approx. 0.17mm (0.0067 inches)
- Other type: approx. 0.14mm (0.0055 inches)
- Double chlorination
- Both left and right common use
- Double wrapped for clean room
- Quantity: 1 case (100 pieces/bag × 10 bags)

AS ONE ORIGINAL

ASPURE PU COATED COOL GLOVES (overlocked)

Order No.	Type	Size	Quantity	Reference Price
2-2112-01	Fingertip coat	XS	1 bag (10 pairs)	\$59.2
2-2112-02		L		\$59.2
2-2112-03		M		\$59.2
2-2112-04		S		\$59.2
2-2112-05		XS		\$59.2
2-2112-06	Palm coat	XS	1 box (10 pairs/bag × 10 bags)	\$247.8
2-2112-07		L		\$247.8
2-2112-08		M		\$247.8
2-2112-09		S		\$247.8
2-2112-10		XS		\$247.8
2-2112-11	Palm coat	XS	1 bag (10 pairs)	\$11
2-2112-12		L		\$11
2-2112-13		M		\$11
2-2112-14		S		\$11
2-2112-15		XS		\$11
2-2112-16	Palm coat	XS	1 box (10 pairs/bag × 10 bags)	\$296
2-2112-17		L		\$296
2-2112-18		M		\$296
2-2112-19		S		\$296
2-2112-20		XS		\$296

● Fitted dimensions vary by size and color due to fabric characteristics.

- Polyurethane coating provides improved grip.
- Elastic and excellent fit.

Specifications

- Material: 100% polyester, polyurethane coating part
- Color: wrist part: yellow (YS), white (W), green (M), gray (G), brown (B)
- Quantity: 01 ~ 05 / 1 bag (10 pairs), 01 ~ 05 / 1 case (10 pairs/bag × 10 bags)



ASPURE PU COATED CONDUCTIVE GLOVES II

Order No.	Type	Size	Quantity	Reference Price
1-4895-01	Fingertip coat	XS	1 bag (10 pairs)	\$31.3
1-4895-02		L		\$31.3
1-4895-03		M		\$31.3
1-4895-04		S		\$31.3
1-4895-05		XS		\$31.3
1-4895-06	Palm coat	XS	1 box (10 pairs/bag × 10 bags)	\$32.9
1-4895-07		L		\$32.9
1-4895-08		M		\$32.9
1-4895-09		S		\$32.9
1-4895-10		XS		\$32.9

- Antistatic nylon gloves.
- Polyurethane coating for anti-slip effect and excellent durability.
- The fit and breathability allow you to work comfortably.

Specifications

- Material: 100% nylon (with conductive thread, polyurethane coating part)
- Surface Resistivity: $10^{11} \sim 10^{12} \Omega/\square$ (fiber)
- Color: wrist part: Orange (O), white (W), green (M), gray (G), yellow (Y)
- Quantity: 1 bag (10 pairs)

Major of breathable polyester fibers



AS ONE ORIGINAL

HAIR NET

Order No.	Model No.	Size	Reference Price
2-2042-01	2042	L	\$44
2-2042-02		M	\$44

- Specification
- Material: Polyester



ASPURE ESD POLYESTER GLOVES

Order No.	Size	Quantity	Reference Price
1-4295-11	L	Pack (10 pairs)	\$15.4
1-4295-12	M		\$15.4
1-4295-13	S		\$15.4
1-4295-14	XS		\$15.4

● Carbon quantity: 300000

- Knitted carbon reduces static electricity.
- Breathable and low dust generation can be used comfortably.

Specifications

- Material: Long Fiber Polyester (knitted carbon)

A continuous long-fiber non-woven wiper made from Bondasur® for low lint generation

- Specifications
- Material: 100% Clavis, no adhesive
- Package: Form Stack packaging
- How to Fold: Fold 8 in size
- Quantity: 1/1/1 bag (150 pieces), 01/1 case (150 pieces/bag × 10 bags)



ASPURE ECONOMY MICROFIBER WIPER

Order No.	Model No.	Size (inch)	Quantity	Reference Price
3-1725-01	AP000M	4 × 6	1 bag (100 sheets)	\$29.2
3-1725-02	AP000M	6 × 6	1 bag (100 sheets)	\$41.1
3-1725-03	AP000M	8 × 8	1 bag (100 sheets)	\$41

- Split fibers allow the wiper to display fine wiping.
- Excellent cost performance.

Specifications

- Material: 80% polyester, 20% nylon
- Cutting Method: Laser cut
- Package: Form Stack packaging
- Quantity: 01 / 1 bag (100 pieces), 02, 03 / 1 bag (150 pieces)

ASPURE PREMIUM NONWOVEN WIPER

Order No.	Model No.	Size (in)	Quantity	Reference Price
3-1727-11	0201	210 × 230	1 bag (150 sheets)	\$16.5
3-1727-01			1 box (100 sheets/bag × 10 bags)	\$139.3

Bondasur® is a non-adhesive continuous long fiber cellulose non-woven fabric, a registered trademark of Asahi Kasei Corporation

- Featuring low lint generation, high water absorption, low impurity, and high solvent resistance, this wiper meets the high requirements for clean room wipers.
- Pop-up type for easy access.

ASPURE POLYESTER WIPER

Order No.	Model No.	Size (inch)	Quantity	Reference Price
3-1727-20	AP000H	4 × 6	1 bag (100 sheets)	\$33.29
3-1727-01	AP000H	6 × 6	1 bag (100 sheets)	\$40.4
3-1727-02	AP000H	8 × 8	1 bag (100 sheets)	\$39.5

- Laser cutting minimizes dust and lint from the cutting surface.
- The use of polyester filament minimizes the occurrence of lint.

Specifications

- Material: 100% polyester
- Cutting Method: Laser cutting
- Package: Form Stack packaging
- Class: 100 compatible (rough indication)

Wiper classification for clean room

	Microfiber Wiper	Polyester long-fiber Wiper	Nonwoven fabric Wiper
Class	Class 100	Class 100	Class 1000~10000
Feature	The split fibers catch all dust and lint on the surface to be cleaned, resulting in excellent wiping performance.	This wiper is located at the middle range of price. Economical class 100 wiper.	Although its dust generating ability is inferior to that of microfiber and polyester wipers, it is low cost and can be used widely for general purpose.
Prepared use	Wiping of LCD displays, glass substrates for LCDs, color filters, camera lenses, and wiping of lenses and mirrors prior to coating.	In addition to microfiber wiper applications, this low cost enables use for cleaning machines in clean rooms, etc.	Not limited to clean rooms, but also cleaning of laboratories and factories in general environments, wiping of electrical equipment, parts, etc.

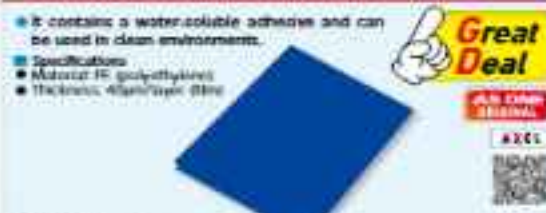




HANDLE FOR ADHESIVE ROLLER

Order No.	Model No.	Reference Price
1-4215-01	S-1000	\$7.2
1-4215-02	S-2000	\$7.5
1-4215-03	S-3000	\$9

※ Adhesive roll is an option.



CLEAN MAT

Order No.	Size (mm)	Specifications	Quantity	Reference Price
1-4215-04	400 × 600	Weak adhesion type	1 box (50 pieces/sheet × 10 sheets)	\$50.1
1-4215-05	400 × 900			\$52.1
1-4215-06	400 × 1200			\$54.1
1-4215-07	400 × 600	Medium adhesion type	1 box (50 pieces/sheet × 10 sheets)	\$50.1
1-4215-08	400 × 900			\$52.1
1-4215-09	400 × 1200			\$54.1
1-4215-10	400 × 600	Strong adhesion type	1 box (50 pieces/sheet × 10 sheets)	\$50.1
1-4215-11	400 × 900			\$52.1
1-4215-12	400 × 1200			\$54.1

FRAME FOR ASPURE STICKY MAT (Rubber type)

Order No.	Model No.	Frame material (Dimension mm)	Reference Price
1-4215-13	For 400 × 900	125 × 1025	\$54.1
1-4215-14	For 400 × 900	125 × 1025	\$54.1
1-4215-15	For 400 × 1200	125 × 1325	\$72.1

※ Specifications
● Quantity: 1 piece

FRAME FOR ASPURE STICKY MAT (Plastic Type)

Order No.	Model No.	Frame material (Dimension mm)	Reference Price
1-4215-16	For 400 × 900	125 × 1025	\$59.4
1-4215-17	For 400 × 900	125 × 1025	\$59.4
1-4215-18	For 400 × 1200	125 × 1325	\$79.4

※ Specifications
● Quantity: 1 piece



Catch dust and foreign matter in air shower room



ASPURE ADHESIVE SHEETS FOR AIR SHOWER

Order No.	Specifications	Size (mm)	Quantity	Reference Price
1-4215-19	Blue, medium adhesive	800 × 100	1 sheet (10 layers)	\$25.2
1-4215-20	White, strong adhesive	800 × 100	1 sheet (10 layers)	\$27.6

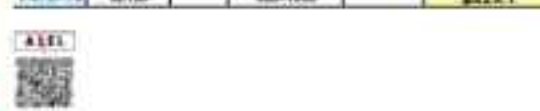
- It is used by attaching it to the wall of an air shower.
- Visualization of caught dust and foreign matter will lead to the promotion of 5S countermeasures.
- It is a laminated type that is peeled off one by one and thrown away.
- The tag is a countdown type that decreases the number when you peel the film off.

※ Specifications
● Material: NEPE (medium-density polyethylene)
● Adhesive: acrylic adhesive
● Thickness: 35 μm (layer 10) ● Hole Size: φ150 ● With serial number (countdown)



ASPURE ANTISTATIC STICKY MAT (Medium adhesive type)

Order No.	Model No.	Color	Size (mm)	Quantity	Reference Price
1-4215-21	4000	White	400 × 600	1/box (10 sheets)	\$192.8
1-4215-22	4000		400 × 900	1/box (10 sheets)	\$219.1
1-4215-23	4000		400 × 1200	1/box (10 sheets)	\$245.1
1-4215-24	4000	Blue	400 × 600	1/box (10 sheets)	\$192.8
1-4215-25	4000		400 × 900	1/box (10 sheets)	\$219.1
1-4215-26	4000		400 × 1200	1/box (10 sheets)	\$245.1



ASPURE ESD SHEET (Conductive Mat)

Order No.	Model No.	Size (mm)	Color	Reference Price
1-4215-27	12000	600 × 10 (n = 2)	Green	\$213.1
1-4215-28	12000	600 × 10 (n = 2)	Gray	\$213.1
1-4215-29	12000	600 × 10 (n = 2)	Green	\$213.1
1-4215-30	12000	600 × 10 (n = 2)	Gray	\$213.1
1-4215-31	12000	600 × 10 (n = 2)	Green	\$213.1
1-4215-32	12000	600 × 10 (n = 2)	Gray	\$213.1
1-4215-33	12000	600 × 10 (n = 2)	Green	\$213.1
1-4215-34	12000	600 × 10 (n = 2)	Gray	\$213.1
1-4215-35	12000	600 × 10 (n = 2)	Green	\$213.1
1-4215-36	12000	600 × 10 (n = 2)	Gray	\$213.1
1-4215-37	12000	600 × 10 (n = 2)	Green	\$213.1
1-4215-38	12000	600 × 10 (n = 2)	Gray	\$213.1
1-4215-39	12000	600 × 10 (n = 2)	Green	\$213.1
1-4215-40	12000	600 × 10 (n = 2)	Gray	\$213.1
1-4215-41	12000	600 × 10 (n = 2)	Green	\$213.1
1-4215-42	12000	600 × 10 (n = 2)	Gray	\$213.1

- Suitable for workbenches, protective shelves, and floor mats that require antistatic protection.
- Static electricity can be reduced from 20,000 volts to a harmless level in seconds.
- Resists oil, grease, and common solvents.
- The 12000 is a conductive mat with a glossy surface.
- Specifications
- Material: Electrostatic diffusion rubber (hard), conductive rubber (back)
- Surface Resistivity: 10⁴~10⁵ Ω/sq (front), 10⁴~10⁵ Ω/sq (back)
- Quantity: 1 roll
- Dimensional Tolerance: 0 to +10 (width), 0 to +10 (length), +0.2 (thickness)



STATIC ELECTRICITY PREVENTION BAG

Size	Order No.	Model No.	Color	Quantity	Reference Price
100 × 150	1-4215-43	1000	Blue	1 box (100 pieces/bag × 10 bags)	\$24.2
100 × 200	1-4215-44	1000	Blue	1 box (100 pieces/bag × 10 bags)	\$26.2
100 × 300	1-4215-45	1000	Blue	1 box (100 pieces/bag × 10 bags)	\$31.2
200 × 300	1-4215-46	1000	Blue	1 box (100 pieces/bag × 10 bags)	\$36.2
300 × 400	1-4215-47	1000	Blue	1 box (100 pieces/bag × 10 bags)	\$41.2
400 × 600	1-4215-48	1000	Blue	1 box (100 pieces/bag × 10 bags)	\$46.2

- Frictional electricity is not generated inside.
- Opening, closing and handling are easy (left/right connection tabs are approx. 10 mm wide).
- Specifications
- Thickness by Material: Approx. 0.08 to 0.09 mm (total thickness: 0.03 mm (polyester layer), 0.04 mm (PET layer), 0.02 mm (PET layer))
- Light Transmittance: 30% or higher
- Strength: 2.7 kg/25 mm (tensile strength), 0.1 kg/25 mm (tear strength)
- Surface Resistance Value: 10¹⁰ Ω/sq or less (outer layer), 10¹⁰ Ω/sq or less (inner layer)
- Static Electricity Elimination Property: 100 microcoulombs or less (20 kV at 1000 mm)
- Internal Frictional Electricity: 2 × 10⁴ V or less
- Quantity: 1 case (100 pieces)

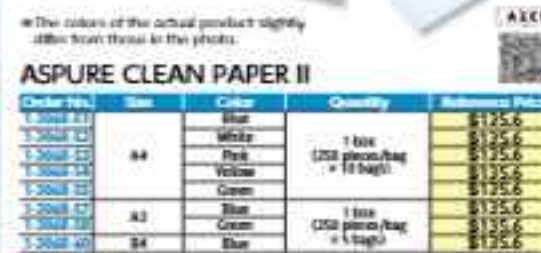
ASPURE CLEAN ROOM LINE TAPE

Order No.	Model No.	Size (mm)	Quantity	Reference Price
1-4215-49	12000	12 × 25 m	1 bag (10 rolls)	\$213.1
1-4215-50	12000	25 × 25 m	1 bag (10 rolls)	\$279.1
1-4215-51	12000	50 × 25 m	1 bag (10 rolls)	\$316.7
1-4215-52	12000	100 × 25 m	1 bag (10 rolls)	\$379.1

- PVC-tape coated with PET is excellent in strength.
- This product can withstand even a hand truck passing thereover.
- Easy to remove with little adhesive residue.
- Specifications
- Material: PVC (body), PET coating (surface), PE (back)
- Thickness: 1.43 mm
- Table of color codes

Order No.	.71	.72	.73	.74	.75	.77
Color	Red	Blue	Yellow	Green	White	Yellow/Black

Electrostatic diffusion rubber and conductive rubber suppress static electricity



- Specifications
- Material: Conductive, water-soluble resin polymer
- Density: 2.2 g/cm³
- Surface Resistivity: <10⁴ Ω/sq
- Coating Characteristics: 0.3 μm or above, reference value
- Measurement method: SEM G27-0796





CLEAN CURING TAPE

Order No.	Model No.	Width/Length	Reference Price
1-6725-01	No.01 White/1m	10mm/25m	\$2.3
1-6725-02	No.01 White/2m	25mm/25m	\$3.3
1-6725-03	No.01 White/5m	10mm/5m	\$6.6

• Plastic core is used, so paper powder does not come out.

- Specification
- Material: Polyethylene
 - Thickness: 0.1mm

Lineup of various shapes that can be selected according to the application

AS ONE ORIGINAL



ANTISTATIC BRUSH

Order No./Model No.	Overall length x Width x H (mm)	Reference Price
4-8151-01	125 x 15 x 36	\$4.5
4-8151-02	175 x 15 x 36	\$5.5
4-8151-03	225 x 15 x 36	\$6.5
4-8151-04	275 x 15 x 36	\$7.5
4-8151-05	325 x 15 x 36	\$8.5
4-8151-06	375 x 15 x 36	\$9.5
4-8151-07	425 x 15 x 36	\$10.5
4-8151-08	475 x 15 x 36	\$11.5

• It is convenient for removing dust while suppressing static electricity.

- Specification
- Material: Conductive PP (body), Nylon (bristles)

ASPURE SLIPPER

Order No.	Color	Size (mm)	Reference Price
1-4311-01	White	M (21.0) - L (24.0)	\$15.9
1-4311-02	White	M (21.0) - L (24.0)	\$15.9
1-4311-03	Black	M (21.0) - L (24.0)	\$20.1

• Please specify this size on the order card when ordering.

- Excellent breathability and cushioning.
- Polyurethane sole for excellent durability.

- Specifications
- Material: Antistatic polyurethane (sole), artificial leather (upper part)
 - Volume Resistance: Minimum 1.0 x 10¹⁰ Ω
 - Quantity: 1 pair

■ Table of size codes

Order No.	01	02	03	04	05	06
Size (mm)	22 (21.0)	23 (22.0)	24 (23.0)	25 (24.0)	26 (25.0)	27 (26.0)



Great Deal

STATIC ELECTRICITY REMOVING BLOWER

Order No.	Model No.	Size (mm)	Reference Price
12-0001-01	440A	140 x 220 x 94	\$155.3

- Small size, lightweight, portable design, and adjustable angle.
- Immediate static electricity neutralization.
- The use of leakage transformer, long life, and short-circuit prevention.
- Easy to maintain owing to built-in air emitter cleaner.
- Adjustable speed fan to generate a wide range of air flow.
- The air balance is stable and adjustable.

■ Specification

- Power Supply: 220 V, 50 Hz
- Air Volume: Fan speed low 1.2m³/min, high 2.4m³/min
- Output power: 10W (max) 0.1W (min)
- Noise level: Maximum 40dB, Minimum 20dB
- Discharge area: 400cm x 150cm



CONDUCTIVE PARTS BOX

Order No./Model No.	Overall Dimensions (mm)	Internal Dimensions (mm)	Capacity (pcs)	Reference Price
4-7501-01	No.01 95x 65x 33	90x 58x 29	100	\$3
4-7501-02	No.02 115x 85x 52	110x 80x 48	400	\$3.2
4-7501-03	No.03 145x 105x 62	140x 100x 58	800	\$4.2
4-7501-04	No.04 175x 125x 72	170x 120x 68	1500	\$5.4
4-7501-05	No.05 205x 145x 82	200x 140x 78	2500	\$7.2
4-7501-06	No.06 235x 165x 92	230x 160x 88	4000	\$12.6
4-7501-07	No.07 265x 185x 102	260x 180x 98	6000	\$21.1

■ Specification

- Material: Body / Conductive PP (polypropylene), Lid / Conductive PE (polyethylene)
- Surface Resistivity: Body / 10² - 10³ Ω, Lid / 10² - 10³ Ω



ASPURE ELECTROSTATIC METER

Order No.	Model No.	Display	Weight (g)	Reference Price
1-6715-01	TC-101	70-20-130	700	\$564.8

- It can be used as ion balance measuring instrument.
- It indicates ready to measure by green LED light flashing and buzzer.
- Specification
- Measuring Range: Electrification/D-: 1-10KV, Ion Balance/D-: 1-100V
- Measuring Distance: approx. 20-40cm
- Measuring Result: Automatically notified
- Accuracy: 1/5th Round for Ion Balance Measurement
- Power: automatic off, Approx. 30min
- Power supply: 500P (V) type dry cell



PFA WAFER CARRIER (8 inches)

Order No.	Model No.	Capacity	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12	A13	A14	A15	A16	A17	A18	A19	A20	A21	A22	A23	A24	A25	A26	A27	A28	A29	A30	A31	A32	A33	A34	A35	A36	A37	A38	A39	A40	A41	A42	A43	A44	A45	A46	A47	A48	A49	A50	A51	A52	A53	A54	A55	A56	A57	A58	A59	A60	A61	A62	A63	A64	A65	A66	A67	A68	A69	A70	A71	A72	A73	A74	A75	A76	A77	A78	A79	A80	A81	A82	A83	A84	A85	A86	A87	A88	A89	A90	A91	A92	A93	A94	A95	A96	A97	A98	A99	A100	A101	A102	A103	A104	A105	A106	A107	A108	A109	A110	A111	A112	A113	A114	A115	A116	A117	A118	A119	A120	A121	A122	A123	A124	A125	A126	A127	A128	A129	A130	A131	A132	A133	A134	A135	A136	A137	A138	A139	A140	A141	A142	A143	A144	A145	A146	A147	A148	A149	A150	A151	A152	A153	A154	A155	A156	A157	A158	A159	A160	A161	A162	A163	A164	A165	A166	A167	A168	A169	A170	A171	A172	A173	A174	A175	A176	A177	A178	A179	A180	A181	A182	A183	A184	A185	A186	A187	A188	A189	A190	A191	A192	A193	A194	A195	A196	A197	A198	A199	A200	A201	A202	A203	A204	A205	A206	A207	A208	A209	A210	A211	A212	A213	A214	A215	A216	A217	A218	A219	A220	A221	A222	A223	A224	A225	A226	A227	A228	A229	A230	A231	A232	A233	A234	A235	A236	A237	A238	A239	A240	A241	A242	A243	A244	A245	A246	A247	A248	A249	A250	A251	A252	A253	A254	A255	A256	A257	A258	A259	A260	A261	A262	A263	A264	A265	A266	A267	A268	A269	A270	A271	A272	A273	A274	A275	A276	A277	A278	A279	A280	A281	A282	A283	A284	A285	A286	A287	A288	A289	A290	A291	A292	A293	A294	A295	A296	A297	A298	A299	A300	A301	A302	A303	A304	A305	A306	A307	A308	A309	A310	A311	A312	A313	A314	A315	A316	A317	A318	A319	A320	A321	A322	A323	A324	A325	A326	A327	A328	A329	A330</
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VACUUM TWEEZERS

Order No.	Model No.	Type	Reference Price
7-100-11	HT-1	Body	\$271.1
7-100-03	A1104	Best Nozzle (0.4mm)	\$4.5
9-000-11	A1105	Best Nozzle with Stopper (1mm)	\$4.5
9-000-12	A1106	Pad (1mm)	\$3
9-000-13	A1107	Pad (1mm)	\$3

It uses ESD protection material for air hose, vacuum pad and pen part.

Specification

- Power Supply: AC100V 50/60Hz 10W
- Power Cord Length: 2.0m with 3 Pin Plug
- Pump: Diaphragm Pump
- Max. Suction Pressure: approx. 27.8kPa (200mmHg)
- Max. Pick-up Capability: A1104/30.5g, A1105/2g, A1106/10g, A1107/120g
- Qty.: Station/1 Set x 120 x 80mm, Pen/1.25m x 1mm, Air Hose/1100 x 4mm
- Weight: Station/approx. 3.4kg, Pen/approx. 25g

Accessories

- Best Nozzle: 0.4-1.1mm x 1 each
- Pad: 1.25mm x 1 each



Battery-powered suction tweezers with built-in vacuum pump

ASPIRE VACUUM TWEEZERS SET

Order No.	Model No.	Product Name	Reference Price
2-110-01	H004	Body set	\$111.5
1-000-01	A1108	Best Nozzle (0.4mm)	\$4.5
1-000-02	A1109	Straight Nozzle (1.1mm) with stopper	\$4.5
9-000-12	A1106	Pad (1mm)	\$3
1-000-03	A1110	Pad (1mm)	\$3
4-000-11	A1107	Pad (1mm)	\$3
9-000-13	A1111	Pad (1mm)	\$3

- The suction tweezers can lift items that weigh up to 120g when using a 10mm pad.
- You can comfortably perform long hours of work such as assembling electronic components.

Specifications

- Pen Material: Conductive silicone rubber
- Power Supply: AAA dry cell battery x 3
- Main Unit Size: 120 x 20 x 23mm
- Weight: 45g (without battery)
- Quantity: 01 / 1 set, others / 1 piece

Accessories

- Best Nozzle (A1108, 0.4mm) x 1
- 1.1mm (A1110) Pad x 1
- 10mm (A1111) Pad x 1
- Storage Case



Application example

A1108

A1400

AIR BLOW GUN (Clean Washing)

Order No.	Model No.	Type	Reference Price
4-000-01	Air Gun Set	Air Gun (Quick Blow Gun), Hose (1.2m), Best Nozzle (1mm)	\$101.9
1-000-01	Quick Coupler	Quick Coupler	\$52.3
1-000-02	Quick Coupler	Quick Coupler (1/4" Male)	\$54.8
1-000-03	Quick Coupler	Quick Coupler (1/2" Male)	\$54.8
1-000-04	Quick Coupler	Quick Coupler (3/4" Male)	\$54.8
1-000-05	Quick Coupler	Quick Coupler (1" Male)	\$54.8
1-000-06	Quick Coupler	Quick Coupler (1.5" Male)	\$54.8
1-000-07	Quick Coupler	Quick Coupler (2" Male)	\$54.8
1-000-08	Quick Coupler	Quick Coupler (2.5" Male)	\$54.8
1-000-09	Quick Coupler	Quick Coupler (3" Male)	\$54.8
1-000-10	Quick Coupler	Quick Coupler (3.5" Male)	\$54.8
1-000-11	Quick Coupler	Quick Coupler (4" Male)	\$54.8

*Please use compressed air (pressure: 0.7MPa or less, 100psi or less, 7.0bar or less, 20.0bar or less).

<Air Gun>

- Material: Body/ABS Resin, Lever/PP (polypropylene), Nozzle/PA (polyamide)

- Withstand Pressure: 0.3MPa (4kgf/cm²)

- Used Fluid: Air, Nitrogen (Hose Nipple included) O.D. 4mm

- Outer Dimensions: 120 x 140mm Weight: 120g

<Cartridge>

- Material: Body/PA (polyamide), Hollow Fiber Membrane/PP (polypropylene)

- Outer Dimensions: 21 x 45mm Weight: 11.5g

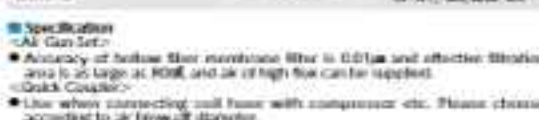
- Filtering Accuracy: 0.01um

<Coil Hose>

- Material: Hose/PU (polyurethane), Quick Coupler/POM (polyacetal)

- Withstand Pressure: Approx. 0.3MPa (4kgf/cm²)

- Weight: 350g Usable Range: 4m



Application example of 01, 03, and 04

A1108

A1400

If you have any question, please feel free to contact us.

Service Contents

- Product Selection Assistance
- Product Setup Assistance
- Product Technical Supports



Ask us for this catalog and our support. (the contact address varies by your location)



Overseas

asoneint@so.as-1.co.jp

CHINA

NB-INTL@so.as-1.co.jp

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