



**LABORATORY & INDUSTRIAL
SELECTION**



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:	https://www.as-1.co.jp
Affiliates:	<p>AS ONE SHANGHAI CORPORATION (Business description: Sales of scientific instruments for research)</p> <p>Nikko Hansen & Co., Ltd. (Business: Manufacturing and sales of plastic containers)</p> <p>Iuchi Logistics Co., Ltd. (Business: Warehouse management and cargo handling)</p> <p>AS ONE INTERNATIONAL INC. [USA] (Business: North American product exports)</p> <p>Tryumph21 Co., Ltd. (Business: Online purchasing services)</p>



Headquarters



AS ONE
TV commercial



Like a lighthouse,
guides researchers.



EC x Logistics
(To the future)

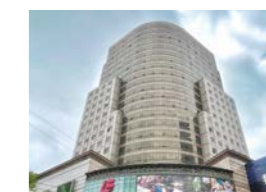


EC x Logistics
(AXEL)

Overseas Bases

China

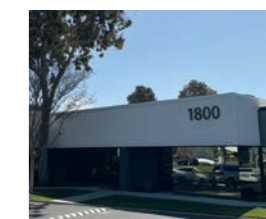
- AS ONE SHANGHAI CORPORATION
- Shenyang Branch ● Shanghai Logistics Center
- Beijing Branch ● Guangzhou Branch
- Beijing Logistics Center ● Suzhou Branch



AS ONE SHANGHAI CORPORATION

North America

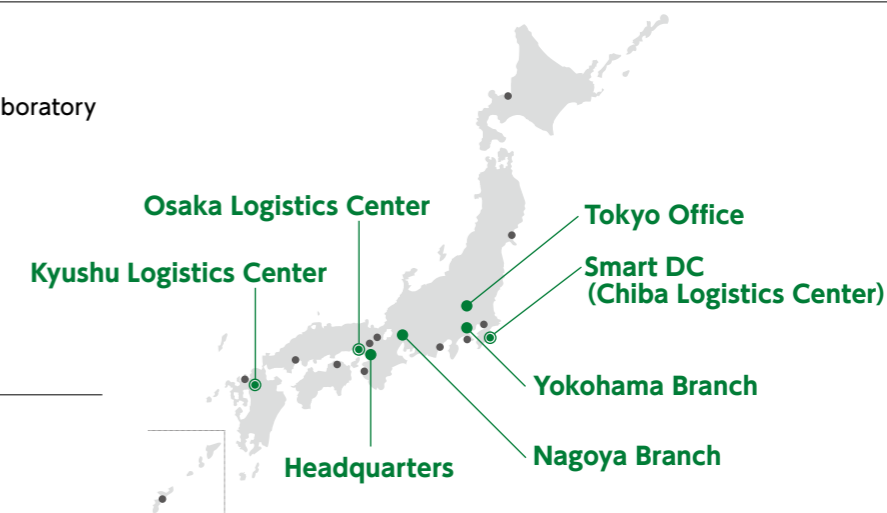
- AS ONE INTERNATIONAL INC.



AS ONE INTERNATIONAL INC.

Domestic Bases

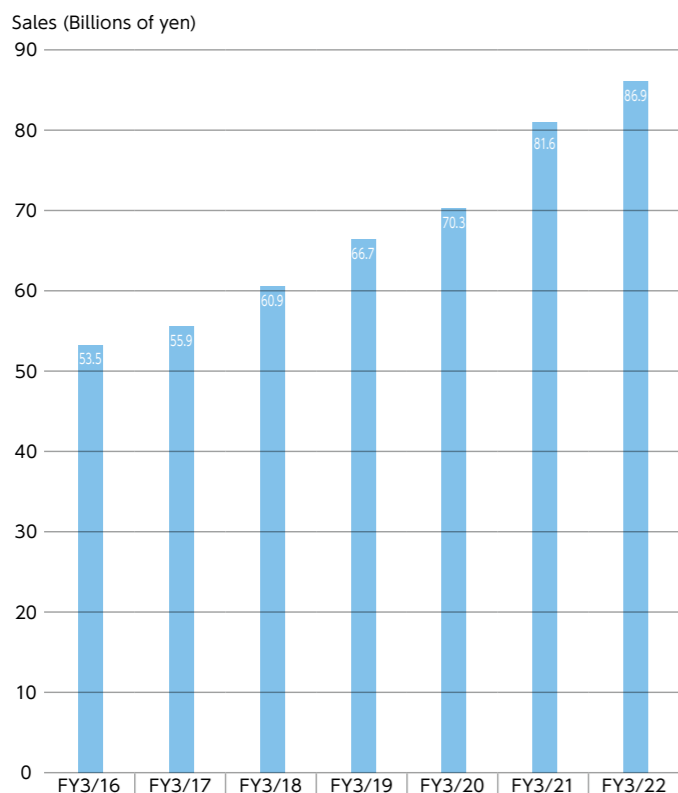
- Sapporo Sales Office
- Sendai Sales Office
- Tonomachi Solution Research Laboratory
- Shizuoka Sales Office
- Kyoto Sales Office
- Wakayama CIC
- Takamatsu Sales Office
- Hiroshima Sales Office
- Fukuoka Sales Office
- Okinawa Sales Office
- Tryumph21 Co., Ltd.
- Nikko Hansen & Co., Ltd.



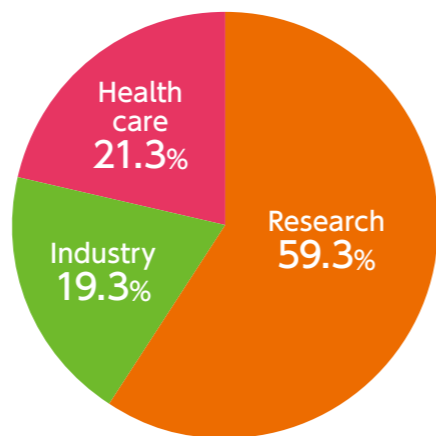
Sales Scheme



Sales Transition

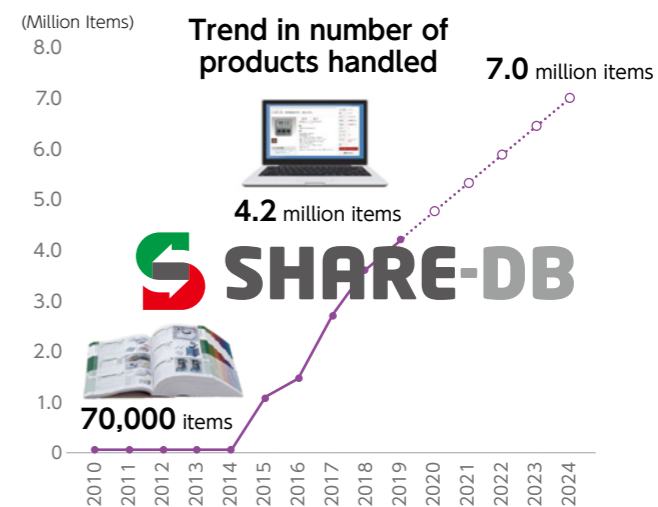


Share of Sales (FY3/2022)



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



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
Economy sample containers



J Bottle (Square)
Square container for easy storage



J Bottle (Round)
Inner stopper is not required, and contents will not leak.



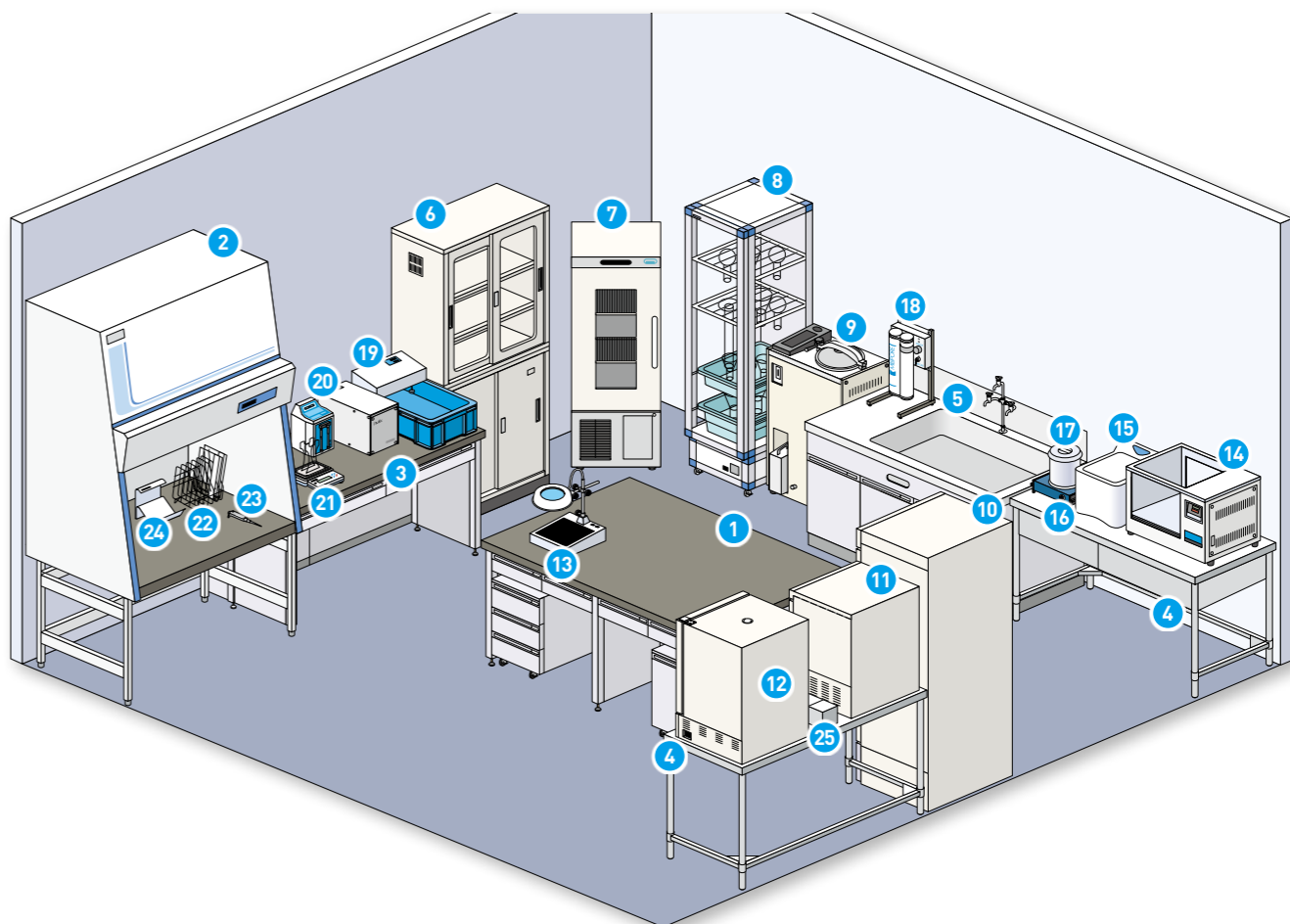
Standard Bottle (Wide Mouth)
Long-selling standard bottle with an inner stopper



Standard bottle (Narrow Mouth)
Long-selling standard bottle with an inner stopper



Example of Food Inspection Room Layout

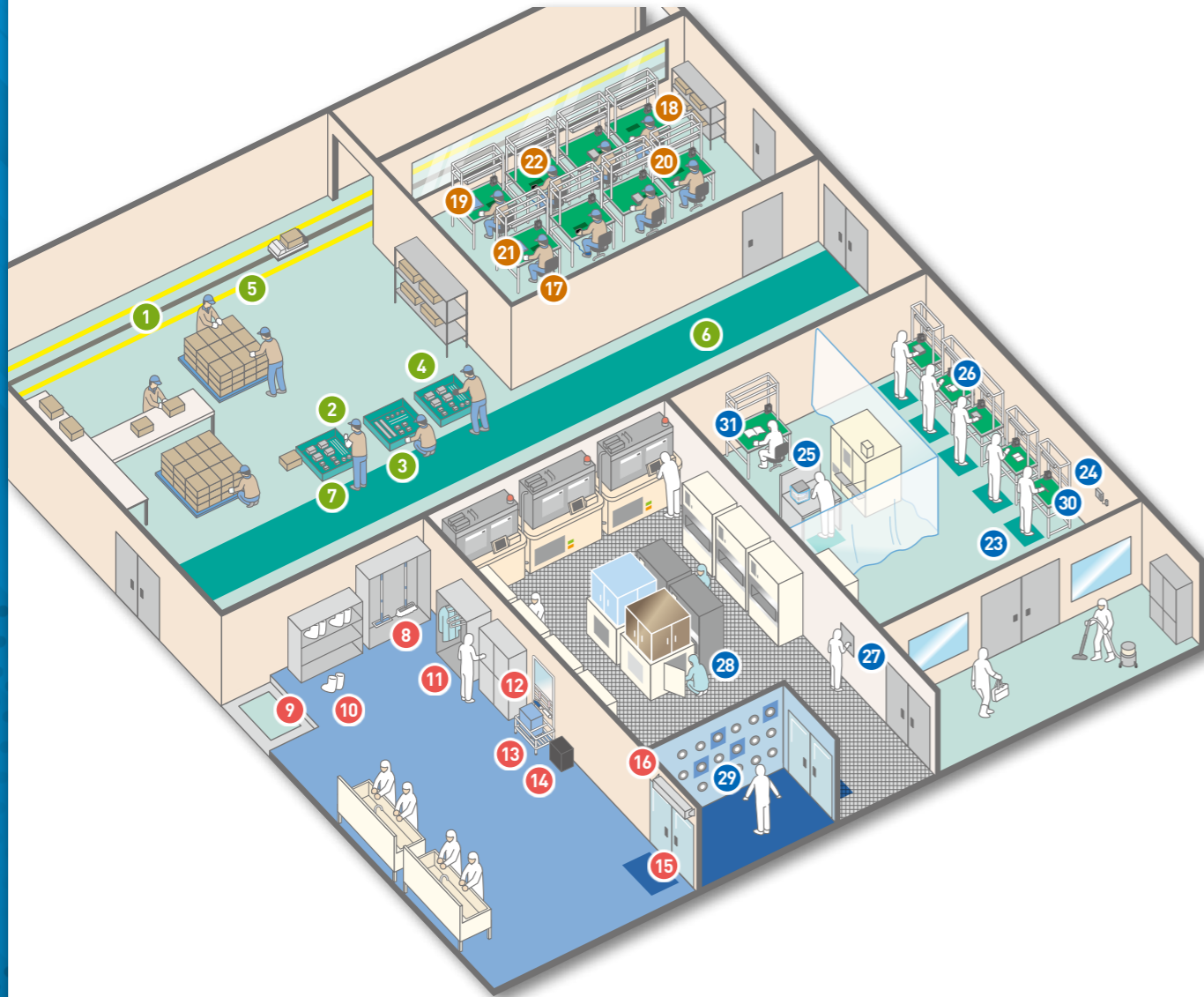


No.	Order No.	Product Name
1	3-7854-01	Central Laboratory Bench
2	3-3390-03	Biohazard Safety Cabinet
3	3-4316-14	Side Laboratory Bench
4	1-6559-30	Stainless Steel Workbench
5	3-1287-13	SUS Sink
6	3-035-17	Chemical storage cabinet (Glass Door)
	3-035-18	Chemical storage cabinet (Steel Door)
6	3-035-13	Base Unit
	1-7927-21	Refrigerator
7	1-7927-21	Refrigerator
8	3-5031-11	Drying cabinet
9	2-803-01	Autoclave
10	1-5461-03	Low-Temp. Incubator 259L
11	1-5461-01	Low-Temp. Incubator 50L
12	2-6393-41	Dry Heat Sterilization oven
13	2-5046-15	Colony counter

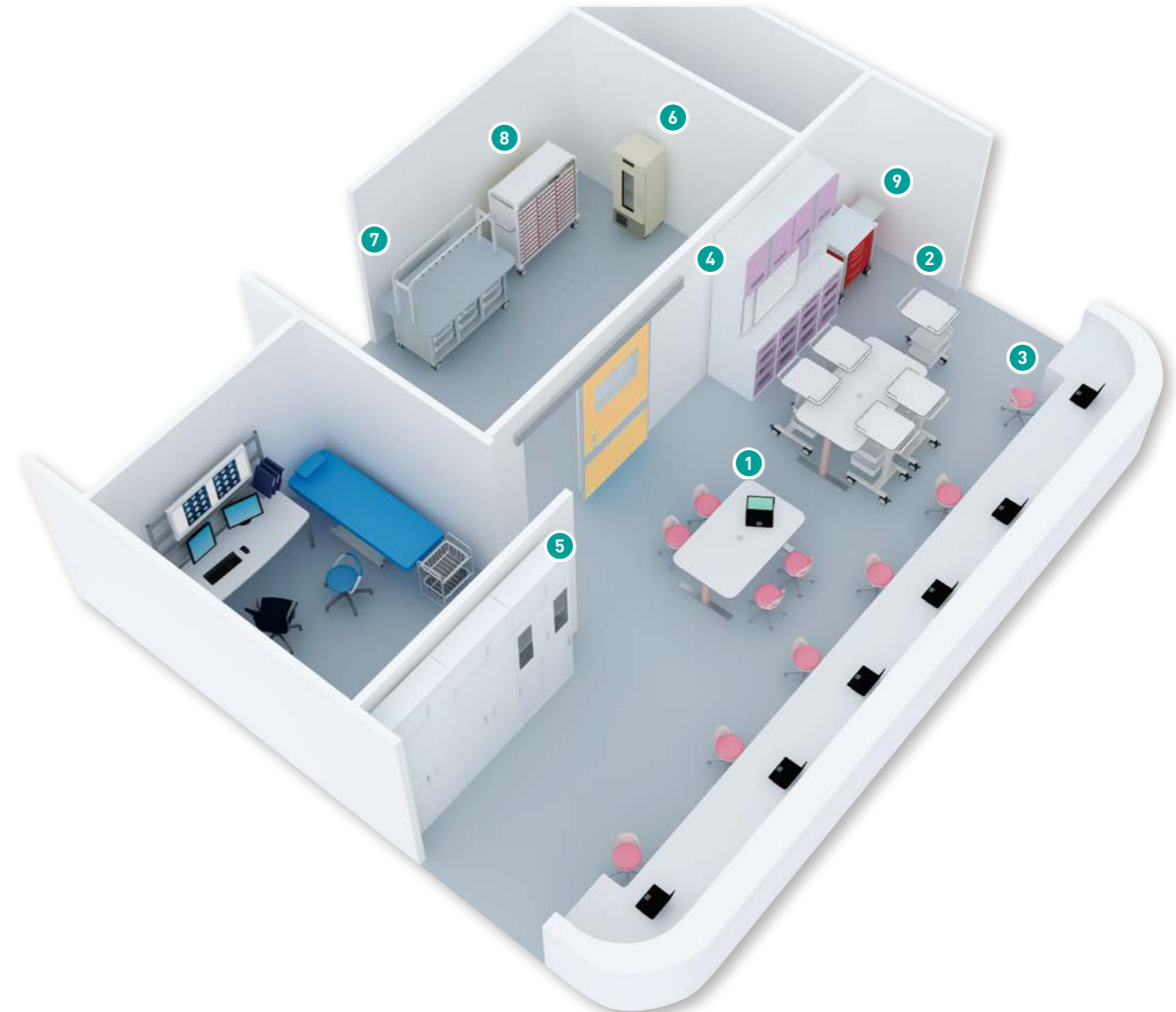
No.	Order No.	Product Name
	2-2671-01-90	Water Bath
14	2-2671-11	Lid for water bath
15	1-2160-04	Ultrasonic Cleaner
16	1-8514-01	Electric Stove
17	1-4527-27	Stainless Steel Pot
18	4-2871-01	Pure water system
19	1-2185-21	Water Bath unit
	1-2185-11	Water Tank for water bath
20	2-4219-01	Bag mixer
21	2-3554-21	Dilutor
22	2-7265-01	Bag Stand
23	2-3026-25	Pipette
24	6-9638-01	Stand for sample bag
25	4-1387-01	Sterilized Can

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

Example of Clean Room Layout



Example of Nurse Station 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	Line Tape
6	1-3929-01	ESD mat
7	3-7384-01	Arm cover

ESD Area

No.	Order No.	Product Name
17	1-4277-72	Wrist strap
18	1-3904-01	Ionizer
19	1-4813-17	Conductive pipe folder
20	2-2134-01	Vacuum tweezers
21	1-4255-01	ESD sheet
22	1-3924-61	Conductivity finger cots

Pre Clean Room

No.	Order No.	Product Name
8	1-7161-01	Clean mop
9	1-3456-01	Clean stiky mat
10	1-2269-41	Clean safety boots
11	3-2000-01	SUS hanger
12	1-4252-51	Adhesive roller
13	2-7351-11	Roller unit
14	3-6568-01	Antistatic pail
15	3-7358-03	Adhesive mat
16	3-5417-01	Ion generator

Clean Area

No.	Order No.	Product Name
23	1-8743-11	Anti-fatigue 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/>

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	Slim type cabinet
6	8-5249-01	Medical Refrigerator
7	8-7003-01	Drip 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/>



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.



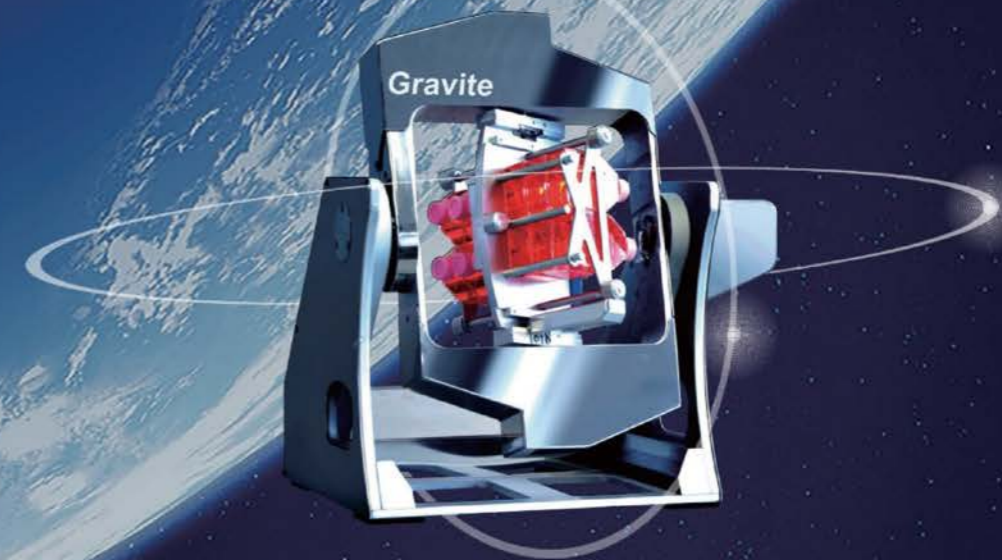
※ Feel free to contact your AS ONE sales representative for details.

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

Gravite

Gravity controller
Gravite®

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



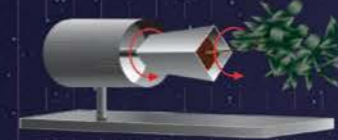
GET THE UNIVERSE IN YOUR LAB.!!

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 gravitonic 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

since2005 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 #210, TEL+81-82-257-1501

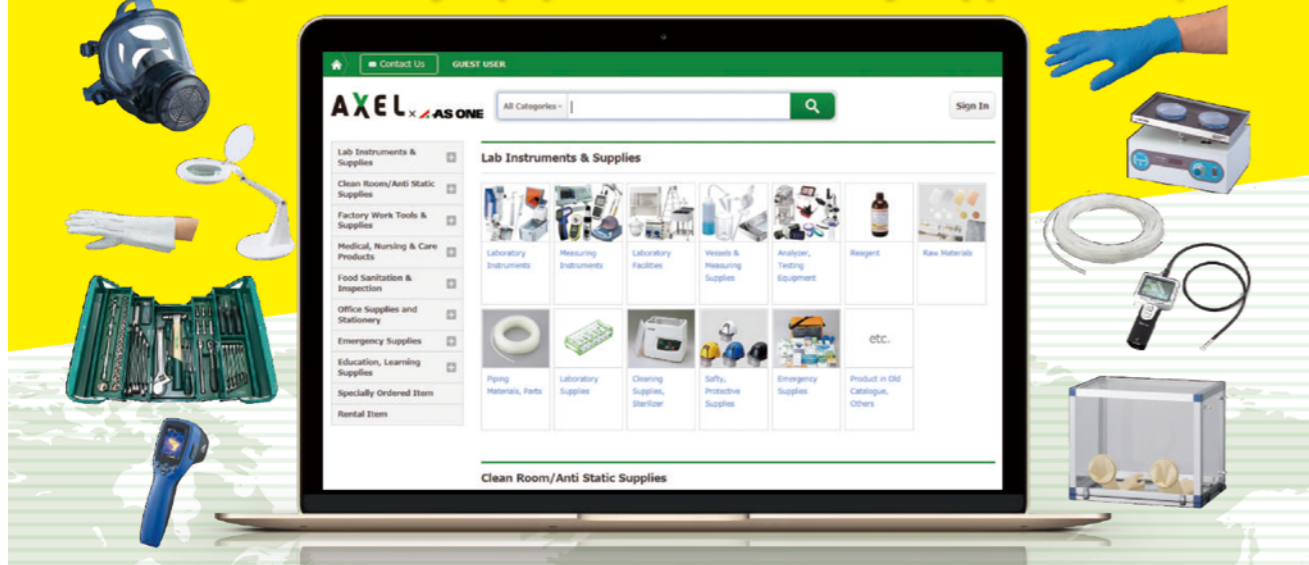
E-mail contact@spacebio-lab.com

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.

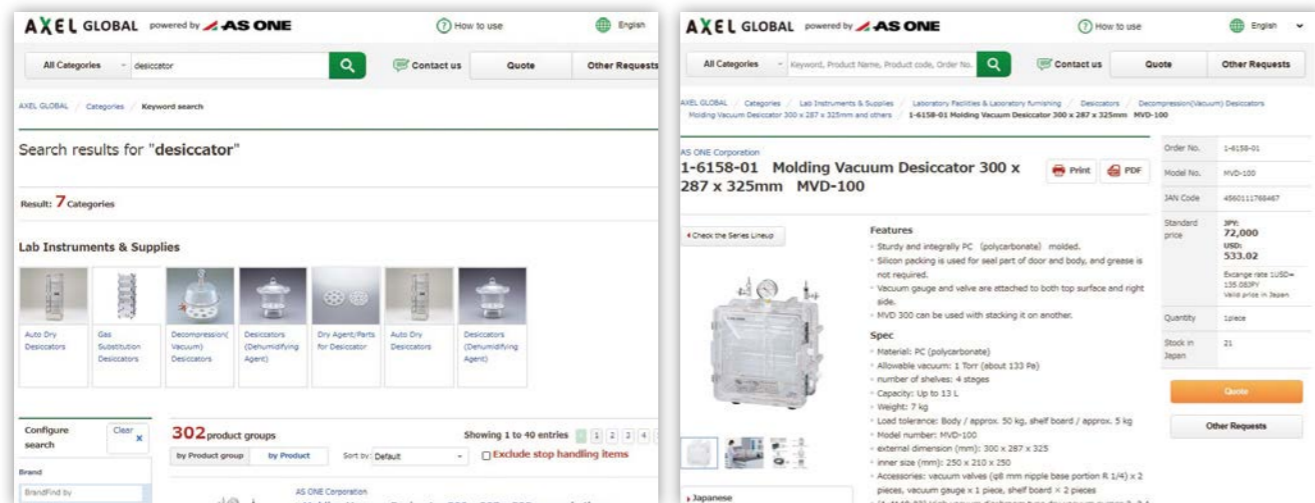


Product Search

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	Environmental measuring instruments	Optical communications 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.

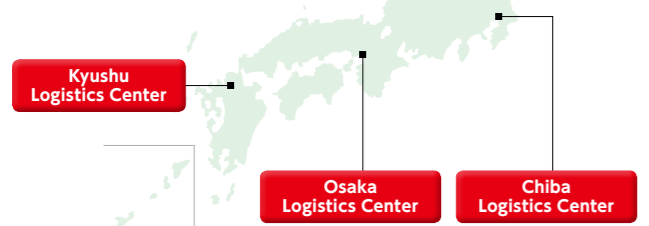


Contact us if you have trouble finding the right calibration service provider for any device.

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 boast a quick delivery system to ensure that our clients get the amount of products they need exactly when they need them.



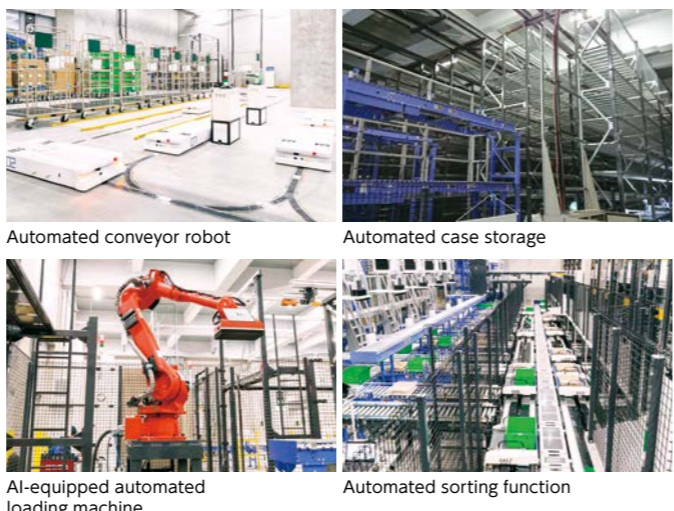
95%
Same-Day shipping rate for the products in the catalogs

80,000
items in stock!
Stock to be increased



Inventory held **Approx. 61 million dollars**

SKUs in stock **Approx. 80,000SKU**



Automated conveyor robot

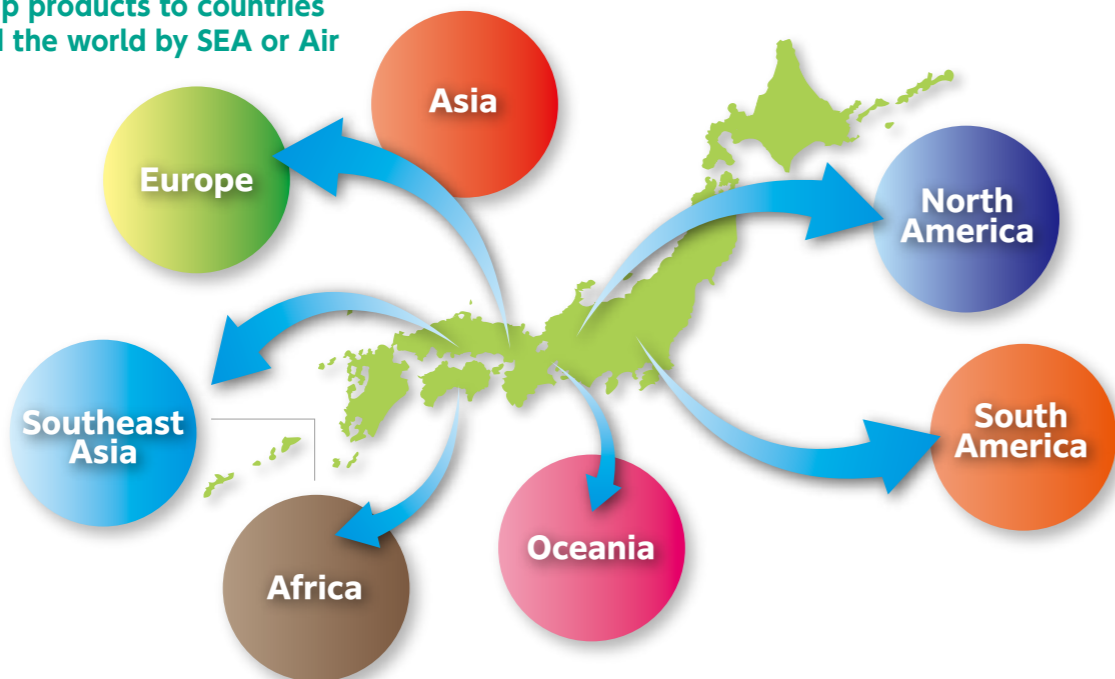
Automated case storage

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.



October, 2016
Beijing logistics center opened

Beijing logistics center



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

Shanghai logistics center

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 1413 pages

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

Here you can check the stock quantity and shipping availability.

亚速旺(上海)商贸有限公司

中国·上海总部

上海市黄浦区淮海中路755(新华联大厦)东楼22楼B座
22F,Block B,N0.755 Middle Huaihai Road,Shanghai
Tel: 021-5403-3266 Fax: 021-5403-6091
企业 QQ: 800050617
Email: information@mail.as-1.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



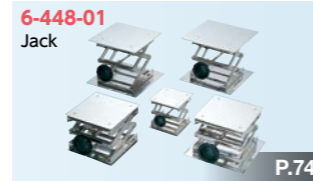
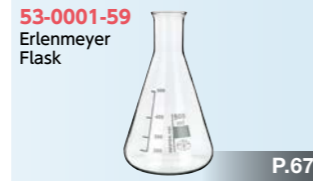
4 Life Science and Analysis P.47



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 Mark Products bearing this mark require assembly prior to use. Be sure to read the user manual before attempting assembly.		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 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.		AS ONE ORIGINAL 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
	Clean-packed Mark This mark indicates products shipped in dust-free packaging so that they can be used in clean rooms.		220 to 240V 220 V to 240 V power supply
	Name 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.		



Great Deal

<https://www.axel-gl.com/en/asone/s/R0000200/>

Glass Desiccator

51-0001-13
\$28.0 P.45

Cover Glass (200pieces)

51-0001-62
\$2.7 P.55

Microsyringe

52-0001-56
\$16.6 P.54

Syringe Filter (100pieces)

51-0001-20
\$23.2 P.55

Screw-top Reagent Bottle

51-0001-46
\$1.5 P.63

Sample Tube Bottle (100pieces)

51-0001-24
\$45.3 P.65

Weighing Bottle

52-0001-44
\$2.9 P.64

Pasteur Pipette (250pieces)

51-0001-58
\$33.8 P.71

Tong

52-0001-70
\$3.0 P.77

Test Tube (250pieces)

51-0001-16
\$13.5 P.71

Brush

52-0001-06
\$0.7 P.84

Economy Shoes Cover

52-0001-80
\$7.8 P.90

Clean Mat Blue (300sheets)

51-0001-64
\$50.3 P.97

Weighing Paper (500sheets)

51-0001-08
\$2.0 P.30

Sterilized Polydropper (250pieces)

51-0001-01
\$11.8 P.71

pH Test Paper (Roll)

53-0002-46
\$2.7 P.58

Erlenmeyer Flask

53-0001-59
\$3.3 P.67

Petri Dish (glass)

53-0002-50
\$1.3 P.47

Ear Plugs

53-0001-65
\$0.2 P.90

Beaker

53-0002-29
\$0.8 P.68

Safety Glasses

53-0001-26
\$3.5 P.87

Durable Color Tape

53-0001-83
\$2.8 P.79

Standard Mortar with Pestle

53-0001-39
\$11.6 P.27

Stirring Bar (PTFE 5pieces)

53-0001-46
\$4.1 P.27

A
ACID-PROOF PUMP 27
ACTIVATED CARBON FACE MASK 87
ADJUSTABLE SPRAY BOTTLE 63
AGITATOR 22
AIR BLOW GUN 101
AIR TIGHT STORAGE CONTAINER 61
ALL ACRYLIC VACUUM GLOVE BOX 42
ALL PLASTIC DISPOSABLE SYRINGE 54
ALPHA SWAB 95
ALUMINA BALL 27
ANEMOMETER 36
ANTIDUST MASK 87
ANTISTATIC ARM COVERS 89
ANTISTATIC BRUSH 99
ANTISTATIC CHAIR 91
ANTI-VIBRATION PLATFORM 30
ASPURE ADHESIVE SHEETS FOR AIR SHOWER 97
ASPURE ANTISTATIC STICKY MAT 97
ASPURE CLEAN PAPER II 98
ASPURE CLEAN ROOM LINE TAPE 98
ASPURE CLEAN SAFETY BOOTS 92
ASPURE COVERALL 91
ASPURE ECONOMY MICROFIBER WIPER 94
ASPURE ELECTROSTATIC METER 100
ASPURE ESD POLYESTER GLOVES 94
ASPURE ESD SHEET 98
ASPURE HOOD FOR CLEAN SUITS 92
ASPURE LATEX GLOVES II 93
ASPURE NITRILE GLOVES II 93
ASPURE POLYESTER WIPER 94
ASPURE PREMIUM NONWOVEN WIPER 94
ASPURE PU COATED CONDUCTIVE GLOVES II 93
ASPURE PU COATED COOL GLOVES 93
ASPURE ROLLER TRANSFER SHEET 96
ASPURE SLIPPER 99
ASPURE VACUUM TWEEZERS SET 101
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AUTOCLAVE BAG 86
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BALANCE TRAY 30
BARRIER BAG 81
BEAKER 68
BEMCOT® WIPER 95
BIG CONICAL TUBE 56
BLACK LIGHT 40
BOTTLE DISPENSER 52
BRUSH 84
BURETTE 70
BURETTE STAND 74

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CAPILLARY TUBE RINGCAPS® 53
CART 46
CENTRIFUGE TUBE α 56
CLEAN BOOTH 91
CLEAN CURING TAPE 99
CLEAN GLOVE BOX 91
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COLONY COUNTER 49
COLONY COUNTER PEN 49
COLOR COMPARISON TUBE 70
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COMPACT DRY ASPIRATOR 28
CONDUCTIVE PARTS BOX 99
CONDUCTIVITY METER 33
CONSTANT TEMPERATURE OVEN 19
COOL INCUBATOR 19
COOL PLATE 20
COOLING WATER CIRCULATOR 21
COVER GLASS 55

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ELECTRONIC BALANCE 29
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FILTER FAN UNIT 91
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FLASK STAND 77
FLAT BOTTLE 60
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FLUID DISPENSER CONTAINER 65
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FLUORINE SEAL TAPE 79
FOLDING CONTAINER 65
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HAND BRUSH 84
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HANDHELD DENSITY METER 37
HANDHELD REFRACTOMETER 38
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HIGH POWER CLEANER 86
HIGH PRESSURE JACK 20
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HOT PLATE STIRRER 25
HOT STIRRER 24
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I
ILLUMINANCE METER 36
INDUSTRIAL SWAB 95
INFRARED MOISTURE METER 36
INFRARED THERMOMETER 32

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KIMWIPES 80

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LONG GLOVES 88
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MAGNETIC STIRRER REXIM 23
MAGNETIC STIRRER REXIM FOR HIGH VISCOSITY LIQUID 23
MAGNIFIER LIGHT 40
MANTLE HEATER 21
MAT FOR ACID AND ALKALI 90
MEASURING CYLINDER 69
MEISTER TWEEZERS 75
MICRO SPATULA 76
MICRO SYRINGE 54
MICRO TUBE 48
MICROSCOPE 39
MICROWELL PLATE 48
MINI DRY BATH 20
MINI SHAKER 25
MOLDED VACUUM DESICCATOR 42
MUFFLE FURNACE 22
MULTI CHANNEL PIPETTE 50

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Laboratory Equipment

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

MAGNETIC STIRRER REXIM FOR HIGH VISCOSITY LIQUID

Order No.	Model No.	Main unit size (mm)	Plate size (mm)	Reference Price
1-4603-32	LP-1D	222.6 × 303.4 × 58	193 × 213	\$485.8
1-4603-31	LP-1A			\$433

- ※Not suitable for use while heating liquids.
- ※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.	Main unit size (mm)	Plate size (mm)	Reference Price
1-4602-42	LS-1D	186.6 × 229.2 × 50	158 × 143	\$225.9
1-4604-42	LS-4D	342.6 × 399.5 × 50	313 × 303	\$587.4
1-4605-42	LS-6D	502.6 × 399.5 × 50	473 × 303	\$843.5

- ※Not suitable for use while heating liquids.
- ※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.	Main unit size (mm)	Plate size (mm)	Reference Price
1-4602-61	LS-1A	186.6 × 229.2 × 50	158 × 143	\$173.2
1-4604-41	LS-4A	342.6 × 399.5 × 50	313 × 303	\$534.7
1-4605-41	LS-6A	502.6 × 399.5 × 50	473 × 303	\$790.8
1-4602-31	Support rod: φ6 × 350 mm			\$23.7

- ※Not suitable for use while heating liquids.
- ※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.	1-4603-32	1-4603-31		1-4602-42	1-4604-42	1-4605-42	1-4602-61	1-4604-41	1-4605-41	1-4602-31
Model No.	LP-1D	LP-1A		LS-1D	LS-4D	LS-6D	LS-1A	LS-4A	LS-6A	Support rod
Rotation speed (rpm)	Approx. 1500 (max.)			100~1500			Approx. 1500 (max.)			
Stirring capacity (mL)	50~10000			50~3000 × 1	50~2000 × 4	50~2000 × 6	50~3000 × 1	50~2000 × 4	50~2000 × 6	
Main unit size (mm)	222.6 × 303.4 × 58			186.6 × 229.2 × 50	342.6 × 399.5 × 50	502.6 × 399.5 × 50	186.6 × 229.2 × 50	342.6 × 399.5 × 50	502.6 × 399.5 × 50	
Plate size (mm)	193 × 213			158 × 143	313 × 303	473 × 303	158 × 143	313 × 303	473 × 303	
RPM settings	Touch key settings		Volume settings	Touch key settings			Volume settings			
RPM display	Digital LCD (simultaneous display of set and measured values)		Scale display	Digital LCD (simultaneous display of set and measured values)			Scale display			
Rotation speed control	Microcomputer-type rotation speed feedback									
Motor	High-output DC brushless motor			DC brushless motor			DC brush motor			
Magnet strength	0.45T (rare earth neodymium magnet)			0.13T						
Materials	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									
Weight	Approx. 1.5 kg	Approx. 1.4 kg		Approx. 0.8 kg	Approx. 2.5 kg	Approx. 3 kg	Approx. 0.8 kg	Approx. 2.5 kg	Approx. 3 kg	
Power consumption	Approx. 12.5 W	Approx. 12 W		Approx. 4 W	Approx. 12 W	Approx. 18 W	Approx. 4 W	Approx. 12 W	Approx. 18 W	



Laboratory Equipment

DIGITAL UNDERWATER STIRRER

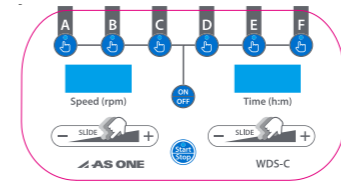
Order No.	Model No.	Specifications	Rotation speed (rpm)	Reference Price
4-3880-01	WDS-C	Controller	-	\$286.2
4-3880-02	WDS-S	Stirrer	20~1500	\$149.1

※A controller is required to use the 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.

■ Specifications

- <Controller>
- Rotation speed setting 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: 480 g
- <Stirrer>
- Stirring capacity: Up to 1 L (H₂O) ● Material: Nylon
 - Operating temperature range: 0° C to 60° C
 - Size: φ120 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.	Temperature setting range (°C)	Plate size (mm)	Reference Price
1-4606-92	RSH-1DR	50~250	165 × 150	\$257.6

- 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.

■ Specifications

- Main unit size: 189 × 215 × 81 mm
- Rotation speed: 100 to 1500 rpm
- Stirring capacity: 50 to 3000 mL
- Settings: Touch-key settings in 1° C, 10 rpm increments (when 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.	Rotation Speed	Stirring Capacity(mL)	Reference Price
1-4606-62	LSH-1D	100~1500rpm	50~3000×1	\$316.3
1-4607-52	LSH-4D		50~2000×4	\$873.6
1-4608-42	LSH-6D		50~2000×6	\$1220.1
2-8107-09	External Sensor (φ3.2×200mm)			\$41.4
1-4602-31	Support Rod (φ6×350mm)			\$23.7

※The stirring bar is an option.

- A safety lamp equips 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).
- LSH-4D · 6D 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.

■ Specification

Model No.	LSH-1D	LSH-4D	LSH-6D
Body Dimensions	189×229×81mm	344×340×81mm	504×400×81mm
Plate Dimensions	165×150mm 140×140mm		
Temperature Setting Range	50~250° C		
Setting System	Touch Key Setting 1° C · 10rpm Unit (at the time of long press : 10° C · 100rpm unit)		
Motor	Brushless Motor		
Heater Capacity	300W	180W×4	180W×6
Hot Plate Material	Aluminum (fluororesin coating)		
Body Material	ABS (acrylonitrile butadiene styrene resin)		
Power Supply	AC100V 50/60Hz		
Weight	approx. 1.8kg	approx. 5kg	approx. 7kg



Laboratory Equipment

Basic type of the metal housing.

HOT PLATE STIRRER

Table with columns: Order No., Model No., Type, Rotation Speed, Stirring Capacity (mL), Reference Price. Includes models 1-2937-01 to 1-4602-31.

*The stirring bar is an option.

- Precise temperature control is possible by PID temperature control system.
Safety lamp equips at the front body, it lights on until the temperature of the top decreased to below 60.
Plate is excel in heat resistance and chemical resistance.



Specification table for HSH models. Columns: Model No., Temperature Control System, Temperature Setting Range, Heater Capacity, Material, Power Supply, Plate Dimensions, Body Dimensions, Weight.



STAINLESS STEEL SIEVE

Large table listing sieve specifications. Columns: Order No., I.D. x Inside Height (mm), Aperture, Reference Price. Lists various sieve models and their prices.

*There is no taper on frame and net part.
*Issue of traceability is also available (surcharge). Please ask.

- Specification
ISO3310-1/JIS Z-8801 (not applicable for -48~50)
Material: Wire Net / 125mm~150mm...Stainless Steel (SUS304) / 125~200mm...Stainless Steel (SUS316) .Frame/Stainless Steel (SUS304)



TEST TUBE MIXER TRIO (Low Type)

Table with columns: Order No., Model No., Rotation Speed (rpm), No. of Rotations Indicator, Reference Price. Includes models 1-4610-41 to 1-4611-24.

*Please ask for replacement attachment.



Specification table for TM and HM models. Columns: Model No., Rotation Speed /Amplitude, RPM Setting/Rotation Control Method, Additional Function, Motor/Output, Body Dimensions/Material, Power Supply, Weight, Attachments provided as standard.

MINI SHAKER

Table with columns: Order No., Model No., Specifications, Main unit size (mm), Reference Price. Includes models 4-1724-01 to 4-1724-18.

*1. Excluding protrusion and holder
*MS-FS is a set of seven options for [5TR/1FH/23FH/5FH/SNH/TH/FLH].
*Holders and racks are not included.
*Custom-made holders and racks are available. Please contact us.

Specifications table for MS models. Columns: Model No., Shaking method, Shaking speed, Variable rotation speed system, Shaking table dimensions, Operating ambient temperature range, Amplitude, Shaking angle, Allowable load, Motor, Material, Power supply, Weight.

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 simple knob-type structure allows intuitive adjustment of shaking speed.
Brushless motor enables a low RPM range. Highly durable.

Laboratory Equipment



ALUMINA BALL

Order No.	Model No.	Dia. (φ mm)	Reference Price
5-4058-01	SSA-999W-5	5	\$203.3
5-4058-02	SSA-999W-10	10	\$203.3
5-4058-03	SSA-999W-15	15	\$203.3
5-4058-04	SSA-999W-20	20	\$203.3
5-4058-05	SSA-999W-25	25	\$203.3

- ※The price is per unit(1kg).
- 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 Constitution : Aluminum₂O₃ / 99.9% ● Density : 3.9 g / cm³
 - Hardness : HV1750 ● Destructive Toughness : 3.5MPa√m
 - Blind Print Abrasion Rate : 6ppm/h ● Capacity : 1kg



STIRRING BAR

Order No.	Model No.	Quantity	Promotional price
53-0001-46	10 × φ 4	1 bag (5pcs)	\$4.1
53-0001-47	15 × φ 5		\$4.1
53-0001-48	20 × φ 7		\$4.8
53-0001-49	25 × φ 8		\$5.8
53-0001-50	30 × φ 8		\$6.3
53-0001-51	35 × φ 8		\$7
53-0001-52	40 × φ 8		\$7.4
53-0001-53	45 × φ 8		\$10.3
53-0001-54	50 × φ 8		\$10.8
53-0001-55	60 × φ 8		\$12.1
53-0001-56	70 × φ 10		\$19.6
53-0001-57	80 × φ 10	\$21.7	

- Specifications
- Material: PTFE



STANDARD MORTAR(with pestle)

Order No.	Model No.	Capacity (mL)	Outer diameter x Height (mm)	Promotional price
53-0001-39	211a/0	25	φ 51 × 32	\$11.6
53-0001-40	211a/1/0	70	φ 63 × 41	\$13.6
53-0001-41	211a/2a	160	φ 90 × 56	\$16.3
53-0001-42	211a/3	220	φ 105 × 64	\$22.7
53-0001-43	211a/3a	400	φ 125 × 71	\$30.2
53-0001-44	211a/5	650	φ 150 × 90	\$49.1
53-0001-45	211a/6	1000	φ 180 × 104	\$77.7

- Specifications
- Chemical Composition: SiO₂ (63%) and Al₂O₃ (30%)
- Specific Gravity: 2.4 g/cm³
- Heat resistance temperature: 1000°C
- DIN 12 906 standard (except for 211a/0 and 211a/3)

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

- Use
- #180 and #240: Rust removal, stain removal, and cleaning
- #320: Rust removal, stain removal, and blurring of scratches on aluminum products
- #400: Fine finishing, cleaning nonferrous metals, rust removal, etc.
- #800: Finishing before plating electronic parts, matting woodworking surfaces, etc.
- #1200: Removal of stains and adhesions, blurring of scratches, and general finishing



NON-WOVEN ABRASIVE

Order No.	Model No.	Finish equivalent	Quantity	Reference Price
3-7330-02	AT #180	# 180	1box (20 sheets)	\$14.9
3-7330-03	AT #240	# 240		\$14.9
3-7330-01	AT #320	# 320		\$14.9
3-7330-04	AT #400	# 400		\$14.9
3-7330-05	AT #800	# 800		\$14.9
3-7330-06	AT #1200	#1200		\$14.9

- The standard grit range allows a wide variety of uses.
- Specifications
- Size: 150 × 230 mm ● Abrasive grain: Aluminum oxide



SIPHON PUMP(Colorful Pump)

Color	Order No.	Quantity	Reference Price	Order No.	Quantity	Reference Price
Red	-01	1 piece	\$2.5	-11	10 pieces	\$18.8
Yellow	-02		\$2.5	-12		\$18.8
Green	-03		\$2.5	-13		\$18.8
Light blue	-04		\$2.5	-14		\$18.8
Gray	-05		\$2.5	-15		\$18.8
Black	-06		\$2.5	-16		\$18.8
Pink	-07		\$2.5	-17		\$18.8
Set of 7 color pumps	-18	7 pieces	\$12.8			

- Choose from seven colors to distinguish liquid.
- Specifications
- Material: PE ● Heat resistance temperature: Approx. 70°C
- Size: Approx. 541 × 538 mm (overall length × hose length) and approx. φ 20 × φ 15 mm (hose outer diameter × tip diameter)



ACID-PROOF PUMP

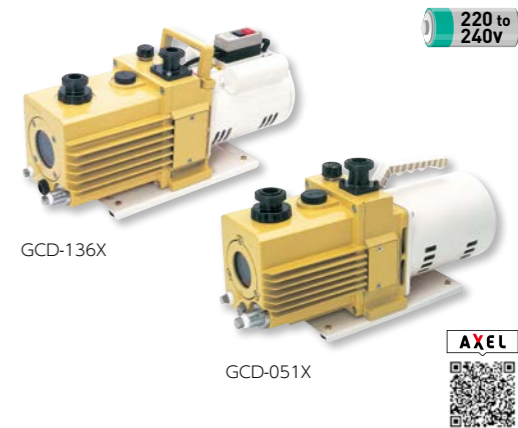
Order No.	Model No.	Length x Hose Length (mm)	Reference Price
1-5689-01	056	505x563	\$3.2

- The price is per piece.
- Made entirely of polyethylene, easy to see inside, and sanitary for washing.
- Specifications
- Material: PE
- Weight: 60 g
- Large box : 120 pieces

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

Order No.	Model No.	Exhaust speed (effective) (L/min)	Attained pressure (Pa)	Power supply (V)	Intake and exhaust port size	Size (mm)	Weight (kg)	Reference Price
1-671-18-90	GCD-051X	50/60 (50/60 Hz)	0.67 (gas ballast closed) and 6.7 (gas ballast open)	220-230V	Intake port KF-25 (-40 flange); Exhaust port KF-25	165.5 × 419 × 222.7	14.1	\$1845.2
1-671-19-90	GCD-136X	135/162 (50/60 Hz)		220V	Intake port KF-25 (-50 flange); Exhaust port KF-25	170 × 493 × 241.1	25.4	\$2221.7
1-671-20-90	GCD-201X	200/240 (50/60 Hz)				170 × 509.5 × 241.1	26.6	\$2756.4

- ※Rubber tubing adapters and clamps not included.
- The GCD series is a reinforced corrosion-resistant vacuum pump with special surface treatment applied to the GLD series.
- Fluorine rubber is used for the oil seals and O-rings.
- Oil filtration can also be connected.
- Specifications
- Oil used: SO-M (provided)
- Oil volume: 500 to 800 mL (GCD-051X), 1000 mL (GCD-136X), and 1100 mL (GCD-201X)



Compact aspirator capable of adjusting the vacuum!

COMPACT DRY ASPIRATOR

Order No.	Model No.	Dimensions (mm)	Reference Price
2-7838-11	DAS-01	268×107×295(without projection)	\$296.7
2-7838-21	Replacement Bottle	φ 77×127.5	\$17.3

- Dry aspirator with a built-in diaphragm dry pump.
- Usable 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 degaeration.
- 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
- Ultimate Vacuum : - 75kPa ● Exhaust Speed : 8L/min (50Hz), 9.6L/min (60Hz)
- Connecting Port : Inlet / φ 7.5mm, Outlet / φ 7.5mm
- 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

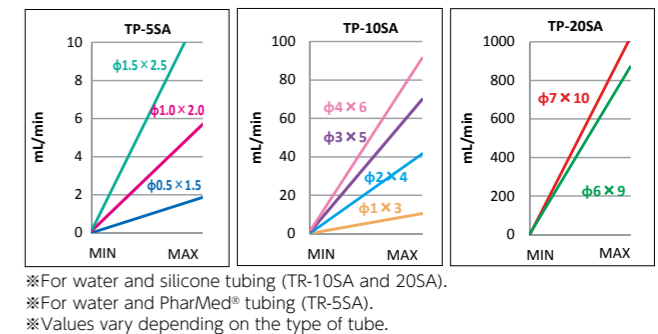
Order No.	Model No.	Flow rate (mL/min)※1	Rotation speed (rpm)	Reference Price
2-7870-03	TP-55A	0.01 ~ 10	2~400	\$557.3
2-7870-01	TP-105A	0.1 ~ 90	2~150	\$489.5
2-7870-02	TP-205A	5 ~ 1000	1~250	\$723
2-7870-11	5SA0515	Dedicated tube for TP-55A (PharMed® inner diameter φ 0.5 mm x 1 m)		\$33.9
2-7870-12	5SA1020	Dedicated tube for TP-55A (PharMed® inner diameter φ 1.0 mm x 1 m)		\$26.4
2-7870-13	5SA1525	Dedicated tube for TP-55A (PharMed® inner diameter φ 1.5 mm x 1 m)		\$26.4

- ※1. The tube diameter limits the flow rate range.
- ※1. Flow rates are shown for TP-55A in the case of water and PharMed® tubing and others for water and silicone tubing.
- ※Only TP-55A requires a dedicated tube (standard accessory: 5SA1525).
- ※Tubes as thin as 3 mm in outer diameter are unsuitable for long-time operation or use at high speeds.
- A high-precision stepping motor is used for superior accuracy and durability.
- Excellent rotational speed reproducibility and stability ensure regular use, even with load fluctuations.
- Self-priming type that does not require pre-priming.



- Specifications

Model No.	TP-55A	TP-105A	TP-205A
Motor	Stepping motor		
Pump	Ring pump		2-roller pump
Applicable tube material	Dedicated standard for PharMed®	Silicon Tygon®/PharMed®	
Applicable Tube I.D. x O.D.	Dedicated tubes (φ 0.5 × φ 1.5 mm / φ 1.0 × φ 2.0 mm / φ 1.5 × φ 2.5 mm)	φ 2 × φ 4 mm, φ 3 × φ 5 mm, φ 4 × φ 6 mm	φ 6 × φ 9 mm, φ 7 × φ 10 mm
Forward/reverse rotation switching function	Available (LED display)		
Flow rate	0.01~10 mL/min	0.1~90 mL/min	5~1000 mL/min
Rotation speed	2~400 rpm	2~150 rpm	1~250 rpm
Main unit material	Steel coating		
Size	120 × 140 × 135	120 × 125 × 150 mm	120 × 180 × 200 mm
Weight	1.2 kg	1.5 kg	2.4 kg
Power supply	AC100~240V 50/60 Hz		
Plug shape	2P plug (AC adapter)		



Measuring · Inspection Equipment

ELECTRONIC BALANCE(AXA)

Order No.	Model No.	Weighing capacity (g)	Minimum representation (g)	Reference Price
3-6553-01	AXA1003	100	0.001	\$387.9
3-6553-02	AXA3003	300		\$427.8
3-6553-07	AXA5003	500		\$482
3-6553-03	AXA10002	1000	0.01	\$368.3
3-6553-04	AXA20002	2000		\$368.3
3-6553-05	AXA30002	3000		\$427.8
3-6553-06	AXA50002	5000		\$562.6
3-6553-11	RS/USB conversion cable			\$24.9
4-560-11	Printer			\$187.5
4-560-12	Thermal paper for printers (1 box (16 rolls))			\$23.3

- HBM load cells are used for superior stability.
- The enclosure is made of a polycarbonate mixture for excellent durability.
- The built-in rechargeable battery allows use in places with no power supply.
- The AXA1003, AXA3003, and AXA5003 have glass windshields, while AXA10002 and AXA20002 have plastic windshields to prevent wind effects.

- Specifications
 - Reproducibility: ±0.001 g (AXA1003 and AXA3003), ±0.003 g (AXA5003), and ±0.01 g (AXA10002, AXA20002, AXA30002, and AXA50002)
 - Linearity: ±0.002 g (AXA1003 and AXA3003), ±0.003 g (AXA5003), and ±0.02 g (AXA10002, AXA20002, AXA30002, and AXA50002)
 - Dish Size: φ118 mm (AXA1003, AXA3003, and AXA5003), 145 × 115 mm (AXA10002 and AXA20002), and 188 × 148 mm (AXA30002 and AXA50002)
 - Display: LCD, bar graph, backlight
 - Size: 219 × 293 × 221 mm (AXA1003, AXA3003, and AXA5003), 219 × 293 × 176.5 mm (AXA10002 and AXA20002), and 219 × 293 × 80.5 mm (AXA30002 and AXA50002)
 - Functions: Piece counting, tare, date/time display, %, and CAL
 - Power Supply: AC100~240V 50/60 Hz
 - Response Time: Approx. 3 sec. ● Weight: Approx. 3.5 kg



PLATFORM SCALE

Order No.	Model No.	Weighing capacity (kg)	Minimum representation (g)	Reference Price
4-560-01	PLS30K1	30	1	\$350.2
4-560-02	PLS60K1	60		\$350.2
4-560-03	PLS150K5	150	5	\$350.2
4-560-11	Printer			\$187.5
4-560-12	Thermal paper for printers (1 box (16 rolls))			\$23.3

- 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 (PLS30K1 and PLS60K1) and ±10 g (PLS150K5)
 - Linearity: ±2 g (PLS30K1 and PLS60K1) and ±10 g (PLS150K5)
 - Functions: Piece counting, tare, %, and CAL
 - Response Time: Approx. 2 sec. ● Display: LCD, bar graph, backlight
 - Power Supply: 100 VAC 50/60 Hz ● Battery Operation Time: Approx. 50 hours
 - Measuring Dish Size: 303 × 403 mm (PLS30K1 and PLS60K1) and 403 × 503 mm (PLS150K5)
 - Size: 303 × 520 × 600 mm (PLS30K1 and PLS60K1) and 403 × 620 × 920 mm (PLS150K5)
 - Weight: Approx. 13.5 kg (PLS30K1 and PLS60K1) and 18.2 kg (PLS150K5)



WEIGHT

Order No.	1-6270		1-9711	
	Type	E-2 Class	F-2 Class	Reference Price
-01	20kg	\$2259.4	\$1641.8	
-02	10kg	\$1461.1	\$933.9	
-03	5kg	\$1129.7	\$647.7	
-04	2kg	\$602.5	\$271.1	
-05	1kg	\$406.7	\$218.4	
-06	500g	\$316.3	\$165.7	
-07	200g	\$218.4	\$128	
-08	100g	\$180.8	\$113	
-09	50g	\$120.5	\$75.3	
-10	20g	\$113	\$64	
-11	10g	\$105.4	\$58.7	
-12	5g	\$105.4	\$58.7	
-13	2g	\$90.4	\$58.7	
-14	1g	\$90.4	\$58.7	
-15	500mg	\$45.2	\$28.6	
-16	200mg	\$45.2	\$28.6	
-17	100mg	\$45.2	\$28.6	
-18	50mg	\$45.2	\$28.6	
-19	20mg	\$45.2	\$28.6	
-20	10mg	\$45.2	\$28.6	
-21	5mg	\$45.2	\$28.6	
-22	2mg	\$45.2	\$28.6	
-23	1mg	\$45.2	\$28.6	



WEIGHT SET

Order No.	Model No.	Class	Reference Price
4-4859-05	WS1F2K	F1	\$751.6
4-4859-04	WS1F1K		\$587.4
4-4859-03	WS1F500		\$489.5
4-4859-02	WS1F200		\$391.6
4-4859-01	WS1F100		\$290

- F1 class weight set.
- Suitable for calibration work.
- Made of stainless steel, excellent in corrosion and wear resistance.
- Specifications
 - Material: Non-magnetic stainless steel
- Set contents
 - 1mg×1, 2mg×2, 5mg×1, 10mg×1, 20mg×2, 50×1, 100mg×1, 200mg×2, 500mg×1, 1g×1, 2g×2, 5g×1, 10g×1, 20g×2, 50g×1, 100g×1, 200g×2 (WS1 F2K, WS1F1K, and WS1F500/200 only), 500g×1 piece (WS1F2K, WS1F1K, and WS1F500 only), 1kg×1 piece (WS1F2K and WS1F1K only), 2kg×2 pieces (WS1F2K only), tweezers×1, dedicated aluminum case×1

WEIGHING PAPER

Order No.	Size (mm)	Quantity	Promotional price
51-0001-08	50 × 50	1 pack (500 sheets)	\$2
51-0001-09	75 × 75		\$2.6
51-0001-10	100 × 100		\$3.2
51-0001-11	150 × 150		\$5.1

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

BALANCE TRAY

Order No.	Capacity (mL)	Size (mm)	Sterilization	Quantity	Reference Price	
					1-5233 (Natural)	1-5239 (Non-static)
-01	10	55 × 35 × 13	No	1 box (1000 sheets)	\$57.2	\$64
-05	40	90 × 60 × 20			\$64.8	\$71.5
-04	70	100 × 60 × 25			\$79.1	\$85.1
-02	150	130 × 80 × 30			\$86.6	\$88.9
-03	300	178 × 105 × 30			\$69.3	\$70.8
-31	10	55 × 35 × 13		\$16.9	\$19.6	
-32	70	100 × 60 × 25		\$23.7	\$25.6	
-33	150	130 × 80 × 30		\$25.6	\$26.7	
-34	300	178 × 105 × 30		\$40.7	\$42.2	
-41	10	55 × 35 × 13		Yes	1 box (10 sheets/bag × 25 bags)	\$60.3
-42	70	100 × 60 × 25	\$64.8			\$65.9
-43	150	130 × 80 × 30	\$66.3			\$66.3
-44	300	178 × 105 × 30	\$81.3			\$82.1

※The capacity is for reference only.
 ※Sterilized products may have odor and discoloration due to gamma irradiation.
 ※Product samples with suffix numbers 01 - 05 are available.

- Specifications
 - Materials: PS (natural) and PS with an antistatic agent (non-static)
 - Gamma irradiation sterilization (1-5233-41 to 44 and 1-5239-41 to 44)

ANTI-VIBRATION PLATFORM

Order No.	Model No.	Size (mm)	Weight (kg)	Reference Price
4-4564-01	RTS-4030	400 × 300 × 15	Approx. 8	\$542.3
4-4564-02	RTS-5040	500 × 400 × 15	Approx. 13	\$828.4

- Suitable for vibration isolators for balances (precision balances), optical microscopes, other measuring instruments, and precision equipment.
- The sparse-dense-sparse trilayer 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.

AS ONE WEIGHING PAPER(Shrink pack)

Order No.	Type	Reference Price		Order No.	Quantity	
		Paraffin paper, thin	Parchment paper			
7-8381 (not sterilized)	Paraffin paper, thin			7-8381 (sterilized)	1 package (500 sheets)	
-05	Mini 60 × 60	\$2.1	\$5.2			
-01	Small 90 × 90	\$2.5	\$5.8	-31		\$3.8
-02	Medium 105 × 105	\$3	\$6.8	-32		\$4.4
-03	Large 120 × 120	\$3.6	\$7.8	-33	\$5	
-04	Extra large 150 × 150	\$6	\$13.9	-34	\$8.3	

※Sterilized products may have odor and discoloration due to gamma irradiation.

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).

THERMO BLOCK

Order No.	Model No.	Application Temperature Range(°C)	Quantity	Reference Price
1-5030-01	H	1400~1700	1 case (200pieces)	\$301.3
1-5030-02	M	1200~1500		\$301.3
1-5030-03	L	1050~1300		\$301.3
1-5030-04	L1	800~1150		\$301.3
1-5030-05	L2	600~900		\$301.3

- It is common heat history sensor for grasping heat history with simply and sufficient accuracy to management of calcination process.
- Since communalization 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 LOGGER(Ondotori Jr.)

Order No.	Model No.	No. of Channels	Measuring Range	Storage Capacity	Communication Method#	Dimensions (mm)	Power Supply	Reference Price
1-5020-31	TR-51i	1	-40~+80	16000	USB, infrared, optical communication	47×19×62	Battery (built-in)	\$96.4
1-5020-33	TR-52i	1	-60~+155					\$111.5
1-5020-11	TR-5530		Sensor for Underwater					\$96.4
1-5020-22	TR-50U2		USB Communication Port					\$113

- Possible to use it in various environment such as outdoor-cold district-refrigerator-freezer.
- Specification
 - <Underwater Sensor (TR-5530) >
 - Measuring Temperature Range : -60~+155°C
 - Sensor Material : Fluororesin (FEP) covering
 - Waterproof Performance : IPX8
 - Cable Length : 3m
 - <Communication Port (TR-50U2) >
 - Communication Method : Between PCs/USB, Between Data Loggers/Optical Communication
 - Power Supply : Supply from UBS
 - Accessories : Communication Cable·Software



TR-51i

TR-52i

DATA LOGGER

Order No.	Model No.	Dimensions (mm)	Weight (g)	Reference Price
1-6683-31	GL240	approx.188×117×42	approx.500	\$828.4

- ※DC power cable and battery pack are optional.
- This data logger is capable of obtaining temperature, humidity and voltage data on up to 10channels.
- 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/F.S., Temperature/Thermocouples : K·J and Other, Humidity/0~100%
 - Input Channel : Analog/10ch,Pulse/4ch or Logic/4ch
 - Analog Input Terminal : M3 Screw Terminal
 - Sampling Frequency : 10ms~1h (10~50ms for voltage only,channel restrictions apply according to sampling frequency)
 - Insulated Input on All Channels
 - Built-in Memory : 4GB
 - Display Contents : Analog Waves·Past Data Display during Measurement·Digital Values
 - Applicable OS : Windows®Vista®/7/8/8.1/10
 - Power Supply : AC100~240V 50/60Hz(AC adapter included) or DC Input (DC8.5 24V)



100 to 240V



CONDUCTIVITY METER

Order No.	Model No.	Range(conductivity/temperature)	Reference Price
3-6453-01	ASCON2	0~9990 μS/cm/0~80°C	\$52.7

- Specification
 - Measuring Item : Conductivity·Temperature
 - Accuracy : ±2%
 - Resolution : Conductivity/1 μS/cm, Temperature/0.1°C
 - Dimensions : 150×28×13mm
 - Weight : 42.5 g
 - Functions : Automatic Temperature Correction·Automatic Power-off·Data Hold
 - Power Supply : CR2032 Battery×1 (included for testing)



RESIDUAL CHLORINE ANALYZER

Order No.	Model No.	Range(mg/L)	Reference Price
6-9785-01	DPD Colorimetric Method (Without Reagent)	0.05~2.0	\$79.1
6-9785-02	DPD Colorimetric Method (With Reagent)		\$91.1
6-9785-11	Square Type Sample Bottle 20mL (2pieces)		\$10.5
6-9785-12	DPD Colorimetric Method Powder Reagent(100times)		\$13.6
6-9785-13	Potassium iodide (20 g)		\$27.9
6-9785-14	Replacement Vinyl Case		\$15.1

- 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 : 0.05·0.1·0.2·0.3·0.4·0.5·0.6·0.8·1.0·1.3·1.5·2.0mg/L
 - Dimensions : Case/92×52×172mm,Body/67×34×157mm ● Weight : 0.3kg
 - Set Contents
 - Measuring Tool ● Square-shaped Tube×3pieces
 - DPD Reagent×100times (-02 only)



PACK TEST®(Simplified water quality tester)

Order No.	Model No.	Measurement Item	measurement times	Reference Price	
6-8675-01	WAK-pH	pH	50	\$34.6	
6-8675-02	WAK-BTB	pH-BTB		\$34.6	
6-8675-03	WAK-BCG	pH-BCG (for acid rain)		\$34.6	
6-8675-05	WAK-CLO/DP	Residual chlorine (liberating and DPD method)		\$34.6	
6-8675-06	WAK-Cr ⁶⁺	Hexavalent chromium		\$34.6	
6-8675-07	WAK-Zn	Zinc		\$34.6	
6-8675-08	WAK-Fe ²⁺	Divalent iron		\$34.6	
6-8675-10	WAK-Fe	Iron		\$34.6	
6-8675-11	WAK-Fe (D)	Iron (low concentration)		\$34.6	
6-8675-12	WAK-NO ₂	Nitrite/Nitrite nitrogen		\$34.6	
6-8675-13	WAK-Ni	Nickel		\$34.6	
6-8675-14	WAK-Cu	Copper		\$34.6	
6-8675-15	WAK-NO ₃	Nitric acid/Nitrate nitrogen		\$34.6	
6-8675-16	WAK-PNL	Phenol		40	\$34.6
6-8675-54	WAK-T/CLO	Total residual chlorine	50	\$34.6	
6-8675-87	WAK-CN-2	Free cyanide	40	\$34.6	
62-9881-06	WAK-COD-2	Chemical oxygen demand (COD)	50	\$34.6	
62-9881-07	WAK-COD (D)-2	Low-concentration chemical oxygen demand (COD)		\$34.6	
6-8675-20	WAK-Mn	Manganese		\$34.6	
6-8675-21	WAK-PO ₄	Phosphoric acid/Phosphate phosphorus		40	\$34.6
6-8675-22	WAK-F	Fluorine (free)		50	\$34.6
6-8675-23	WAK-SiO ₂	Silica		\$34.6	
6-8675-24	WAK-SiO ₂ (D)	Silica (low concentration)		\$34.6	
6-8675-25	WAK-HYD	Hydrazine		40	\$34.6
6-8675-26	WAK-FOR	Formaldehyde		\$34.6	
6-8675-27	WAK-Al	Aluminum		\$34.6	
6-8675-28	WAK-H ₂ O ₂	Hydrogen peroxide		\$34.6	
6-8675-29	WAK-Ag	Silver		\$34.6	
62-9881-13	WAK-NH ₄ -4	Ammonium/Ammonium nitrogen		50	\$34.6
6-8675-31	WAK-TH	Total hardness		\$34.6	
62-9881-18	WAK-Mg-2	Magnesium/Magnesium hardness	\$34.6		
6-8675-34	WAK-Au	Gold	40	\$34.6	
6-8675-35	WAK-S	Sulfide (hydrogen sulfide)	\$34.6		
6-8675-36	WAK-B	Boron	50	\$34.6	
6-8675-38	WAK-Cl (D)	Chloride (low concentration)	40	\$34.6	
6-8675-39	WAK-CLO (C)	Residual chlorine (high concentration)	\$34.6		
62-9881-08	WAK-COD (H)-2	High-concentration chemical oxygen demand (COD250)	\$34.6		
6-8675-41	WAK-NO ₂ (C)	Nitrite (high concentration)/Nitrite nitrogen (high concentration)	50	\$34.6	
6-8675-42	WAK-NO ₃ (C)	Nitric acid (high concentration)/Nitrate nitrogen (high concentration)	\$34.6		
6-8675-43	WAK-O ₃	Ozone	\$34.6		

Recommended for frequent measurements!

PACK TEST®(Simplified water quality tester)

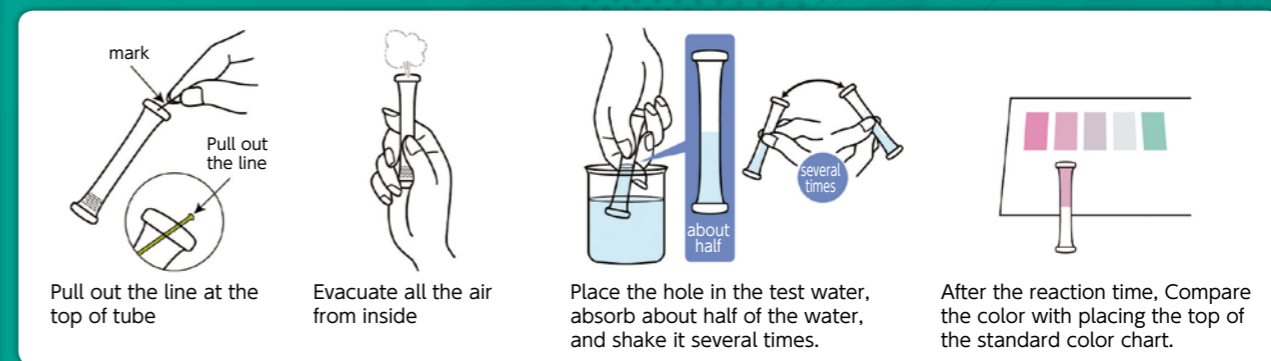
Order No.	Model No.	Measurement item	measurement times	Reference Price
1-9595-05	KR-Cr ⁶⁺	Hexavalent chromium	150	\$82.8
62-9881-09	KR-COD-2	COD		\$82.8
62-9881-14	KR-NH ₄ -4	Ammonium/Ammonium nitrogen		\$82.8
1-9595-11	KR-NO ₂	Nitrite/Nitrite nitrogen		\$82.8
1-9595-12	KR-NO ₃	Nitric acid/ Nitrate nitrogen		\$82.8



KR-COD-2



How to use Pack Test



This tip can be used for test tubes.

pH METER

Order No.	Model No.	Measurement Item	Reference Price
1-062-01	AS600	pH·°C	\$79.1
1-062-11	SX625	Replacement pH Sensor	\$43.7

- Specification**
- Measuring Range : pH / -1.00~+15.00, Temperature / 0~60°C
 - Resolution : pH / 0.01, Temperature / 0.1°C
 - Accuracy : pH / ±0.01, Temperature / ±1.0°C
 - Proofreading : 3 point (pH4.01·6.86·9.18)
 - Auto-power-off (10minutes) Function provided
 - Power Supply : CR2032 Battery×2pieces (included for testing)
 - Dimensions : 29×14×148mm
 - Weight : 43 g
 - Dust/Waterproof : IP57

- Accessories**
- pH Standard Solution (4.01·6.86·9.18) ×each 1bottle
 - Portable Case
 - Electrode Storage Solution (10mL) ×1bottle
 - CR2032 Battery× (preliminary)

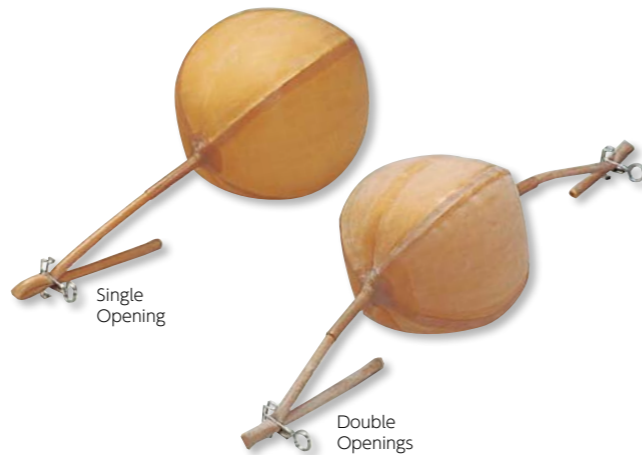


AS ONE ORIGINAL

GAS SAMPLING BAG (Product Made of Natural Rubber)

Order No.	Capacity (L)	Specification	Reference Price
9-082-01	1	Single Opening	\$20.3
9-082-02		Double Openings	\$28.5
9-083-01	2	Single Opening	\$20.9
9-083-02		Double Openings	\$29.4
9-084-01	3	Single Opening	\$27.5
9-084-02		Double Openings	\$34.6
9-085-01	4	Single Opening	\$29.7
9-085-02		Double Openings	\$39.9
9-086-01	5	Single Opening	\$32.4
9-086-02		Double Openings	\$43.7
9-087-01	10	Single Opening	\$81.3
9-087-02		Double Openings	\$88.9

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



Reliable Tedlar® film is used.



TEDLAR® BAG

Order No.	1-2711		1-2712		1-2709		1-2710		1-2713	
	Specifications	With one-cock opening	With two-cock openings	With one capped opening	With two capped openings	One standard opening	Reference Price			
Model No.	Size (mm)									
-01	1L	250×150	\$14	\$26.5	\$8.6	\$13.9	\$8.2			
-02	2L	250×210	\$14.9	\$27.3	\$9.5	\$14.7	\$9.1			
-03	3L	250×300	\$16.3	\$28.8	\$11.7	\$16.1	\$11.3			
-04	5L	250×400	\$17.1	\$29.7	\$12.4	\$17.8	\$12.1			
-05	10L	500×350	\$21.8	\$34.6	\$18.7	\$23.9	\$18.3			
-06	20L	500×500	\$35.2	\$48	\$30.3	\$37.8	\$29.9			
-07	30L	500×650	\$58.4	\$71.3	\$52.7	\$57.5	\$52.3			
-08	50L	750×600	\$74	\$86.6	\$69.4	\$73.3	\$68			
-09	100L	1000×700	\$145.4	\$157.4	\$141.6	\$144.6	\$139.3			

※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.

- Specifications**
- Material: Tedlar® (polyvinyl fluoride resin)
 - Thickness: 0.05 mm
 - Nozzle Diameter: φ6 mm (1-10 L) and φ8 mm (20-100 L)



ILLUMINANCE METER

Order No.	Model No.	Specifications	Dimensions (mm)	Weight (g)	Reference Price
1-1633-01	TM-205	Illuminance Meter	56×38×172	250	\$174
1-1633-02	TM-209M	Illuminance + LED Meter			\$242.5

■ Specification

- TM-209M Sensor Dimensions : 55×80×20mm

Order No.	1-1633-01	1-1633-02
Model No.	TM-205	TM-209M
Measuring Range (lx)	200·2000·20000·200000	0~400000
Resolution (lx)	20/0.01, 200/0.1, 2000/1, 20000/10, 200000/100	40/0.01, 400/0.1, 4000/1, 40000/10, 400000/100
Accuracy	±6%	White LED/±3%, Other Visible Light/±6%
Sampling (times/sec)		2.5
Max·Min Display		○
Hold		○
Memory	-	99
Backlight		-
Other Functions, Accessories	Auto Power OFF	LED Measurement (White·Red·Yellow·Green·Blue·Purple)·Average Display·Auto Power OFF
Power Supply	006P (9V) Battery×1 (included for testing)	



ANEMOMETER

Order No.	Model No.	Parameter	Reference Price
1-3458-01	TM-412	Wind Velocity·Temperature	\$211.6
1-3458-02	TM-413	Wind Velocity·Temperature·Humidity	\$250.8

■ Specification

	Model No.	TM-412	TM-413
Measuring Range	Wind Velocity·Air Volume·Temperature	0.4~45m/s·0~9999m ³ ·-20~+50°C	
Accuracy	Humidity	-	0~100%
	Wind Velocity·Temperature	±3% rdg + 0.2m/s·±1°C	
Resolution	Humidity	-	±3.5%RH (20~80%)·±5%RH (other)
	Wind Velocity·Air Volume·Temperature	0.1m/s·0.1m ³ ·0.1°C	
Sampling		2.5times/second	
Function		Memory (99 entries)·MAX/MIN/AVE Display·Hold·Backlight	
Power Supply		006P (9V) Battery×1 (included for testing)	
Dimensions	Body	56×38×135mm	
	Sensor	67×31×135mm (cable length 950mm)	
Weight		230 g (excluding battery)	



SOUND LEVEL METER

Order No.	Model No.	Measuring Range (dB)	Reference Price
3-6677-01	AS804	A-characteristics 30~130	\$55.7
3-6677-02	AS824	A/C-characteristics 30~130	\$73.8

- AS804 is compact and portable device.
- AS824 is equipped with bar display to allow you to directly see the reading.

- Specification**
- Wavelength Range : 31.5Hz~8.5kHz
 - Resolution : 0.1dB
 - Dimensions : AS804/50×25×125mm, AS824/66×33×221mm
 - Sampling Rate : AS804/2times/second, AS824/AFST/2times/second, SLOW/1time/second
 - Weight : AS804/approx.86 g, AS824/225 g
 - Functions : MAX Indicator, Backlight, Low Battery Indicator
 - Power Supply : AS804/AAA Battery (included for testing), AS824/9V Battery (included for testing)



WATER ACTIVITY MEASUREMENT DEVICE

Order No.	Model No.	Type	Main unit size (mm)	Reference Price
4-2453-01	MD-AW1	Measurement only	120 × 60 × 58	\$941.4
4-2453-02	MD-AW2	With simple memory (for 20 items)		\$1054.4
4-2453-03	MD-AW3	Logging available (for 999 items)		\$1205
4-2453-01-22	MD-AW1	With inspection certificate		\$1016.7
4-2453-02-22	MD-AW2		\$1129.7	
4-2453-03-22	MD-AW3		\$1280.3	
4-2453-11	Replacement petri dish: One box (100 petri dishes)			\$7.4

※Product with an inspection certificate: AS ONE offers a service that provides a product with AS ONE's original inspection certificate attached to it.

- Specifications**
- Main Unit Material: SUS304
 - Measurement Method: Capacitive humidity sensor
 - Measurement Range: 0 to 1.00 Aw
 - Measurement Accuracy: 0 to 0.9 Aw (± 0.03 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 (test batteries provided)
 - Accessories: 100 sample cups (material: PS (cup inner diameter φ35 × 10 mm)), three replacement filters, and a USB cable with a length of 1 m (AW3 only)
 - Replacement Petri Dish Material: PS
 - Main Unit Size: 120 × 60 × 58 mm
 - Weight: 0.6 kg (including battery)

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

AS ONE ORIGINAL



Easy-to-operate viscometer!

TOUCH PANEL VISCOMETER

Order No.	Model No.	Measurement range (mPa·s)	Measurement range (°C)	Reference Price
4-2877-01	ASJ-8ST	1~2,000,000	0~100	\$2410
4-2877-11	8ST-#0	No. 0 spindle		\$685.3

- The No. 0 spindle is required for a measurement range up to 10 mPa·s.
 - Equipped with a 5-inch touch panel for ease of operation and functionality.
 - By entering 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 mPa·s
 - Precision: ± 1.0% (FS)
 - Reproducibility: ± 0.5% (FS)
 - Rotation Speed: 0.3, 0.6, 1.5, 3, 6, 12, 30, and 60 rpm
 - FS Torque: 673.7 dyne-cm²
 - Wetted Part Material: SUS304
 - Power Supply: 100 to 240 VAC (AC adapter)
 - Size: 285 × 300 × 565 mm (max.)
 - Weight: Approx. 5.3 kg (including stand)
 - Accessories: Standard spindles (L1, L2, L3, and L4), guard frame, RTD probe, stand, AC adapter, and carrying case



Accessories provided

VISCOMETER

Order No.	Model No.	Application	Reference Price
1-503-32	VT-06	For High Viscosity	\$1355.6
1-503-03	VA-04	Stand	\$135.6
1-503-07	No. 3 Cup	For VT-06, φ52.6×75mm	\$58.7
1-503-08	No. 1 Rotor	φ24×53×166mm	\$21.1
1-503-09	No. 2 Rotor	φ15× 1×113mm	\$12.1
1-503-10	No. 3 Rotor	φ45×47×160mm	\$20.3

- Compact and light in weight allowing one-hand handling.
 - Achieved easy measuring and less error, because measuring range is decided based on rotor to be used.
- Specification**
- Measuring Range : VT-06 / 0.3~4000dPa·s, No.3 Rotor (combined with No.3 cup) / 0.3~13dPa·s, No.1 Rotor (uses JIS300mL beaker as container) / 3~150dPa·s, No.2 Rotor (uses JIS300mL beaker as container) / 100~4000dPa·s
 - Sample Volume : No.1·2 Rotors / approx.350mL (uses JIS300mL beaker), No.3 Rotor / approx.150mL (uses No.3 cup)
 - Rotation Speed : 62.5rpm
 - Rotor and Cup Material : No.1·2·3 Rotors and No.3 Cup / Stainless Steel (SUS304)
 - Power Supply : AA Battery × 4 (included for testing) or AC Adapter (VA-05J·included)
 - Dimensions : 175×77×40mm
 - Weight : approx.260 g
- Accessories**
- Rotor No. 1·2·3×1 of each
 - No. 3 Cup×1
 - Length Compensation Rope (total length : approx.900mm (300mm×3))



Stand VA-04 application example

HANDHELD DENSITY METER

Order No.	Model No.	Measurement range (density/temperature/viscosity)	Measurement precision (density/temperature)	Reference Price
1-5651-21	DMA35	0~3 g/cm ³ /0~40°C/0~1000 mPa·s	0.001 g/cm ³ /0.2°C	\$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®.
- Specifications**
- Display Units: Brix, alcohol extract, Baumé degree, Plato, API weight, API specific gravity, API density, H₂SO₄ %w/w, and density at reference temperatures
 - Data Memory: 1000 times or more
 - Size: 245 × 103 × 126 mm
 - Power Supply: Three AA dry cell batteries (test batteries provided)
 - Sample Volume: Approx. 2 mL
 - Interface: Bluetooth and RFID
 - Weight: 660 g
 - Protection Rating: IPX4



Application example



HYDROMETER

Scale	Order No.	1-5659 (small size)		Order No.	1-518 (large size)	
		Model No.	Reference Price		Model No.	Reference Price
-	-31	Small 19-piece set (1 set)	\$948.9	-01	Large 19-piece set (1 set)	\$1257.7
0.700~0.760	-41	19-1	\$39.2	-02	NO.1	\$52
0.760~0.820	-42	19-2	\$39.2	-03	NO.2	\$52
0.820~0.880	-43	19-3	\$26.7	-04	NO.3	\$39.9
0.880~0.940	-44	19-4	\$26.7	-05	NO.4	\$39.9
0.940~1.000	-45	19-5	\$26.7	-06	NO.5	\$39.9
1.000~1.060	-46	19-6	\$26.7	-07	NO.6	\$39.9
1.060~1.120	-47	19-7	\$26.7	-08	NO.7	\$39.9
1.120~1.180	-48	19-8	\$26.7	-09	NO.8	\$39.9
1.180~1.240	-49	19-9	\$26.7	-10	NO.9	\$39.9
1.240~1.300	-50	19-10	\$26.7	-11	NO.10	\$39.9
1.300~1.360	-51	19-11	\$26.7	-12	NO.11	\$39.9
1.360~1.420	-52	19-12	\$26.7	-13	NO.12	\$39.9
1.420~1.480	-53	19-13	\$26.7	-14	NO.13	\$39.9
1.480~1.540	-54	19-14	\$41	-15	NO.14	\$39.9
1.540~1.600	-55	19-15	\$39.2	-16	NO.15	\$52
1.600~1.660	-56	19-16	\$39.2	-17	NO.16	\$52
1.660~1.720	-57	19-17	\$73.1	-18	NO.17	\$52
1.720~1.780	-58	19-18	\$65.5	-19	NO.18	\$82.8
1.780~1.850	-59	19-19	\$64.8	-20	NO.19	\$82.8

- Specifications**
- Materials: Glass and lead
 - Size (overall length): Approx. 160 mm (small size) and approx. 300 mm (large size)
 - Minimum Scale: 0.002 (small size) and 0.001 (large size)
- Accessories**
- Case
 - Master Baumé × 1



Standard refractometer series offered at low prices.



INFRARED MOISTURE METER

Order No.	Model No.	Weighing Capacity (g)	Pan Dimensions (mm)	Reference Price
1-4445-01	MOC-120H	100	φ130×15	\$2244.3

- With wide weighing pan (φ130mm), 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 "Windows® direct link function", which can be downloaded measured data of balance to Excel® etc. without using communication software. (connection cable is sold separately)

- Specification**
- Min. Indication : Moisture Percentage / 0.01%, Mass / 0.001 g
 - Measuring Accuracy : Calculated Value (sample mass 5g or more / 10g or more) ± 0.02% / ± 0.01%, Reproducibility (sample mass / 10g or more) ± 0.05% / ± 0.02%
 - Measuring Unit : Moisture (wet base-dry base) · Solid Content · Mass
 - Temperature Setting Range : 50~200°C (1°C step)
 - Body Dimensions : 220×415×190mm
 - Weight : 4.5kg
 - Power Supply : AC100~120/220~240V (switching) 50/60Hz
 - Variation Width Display Function · Auto Care Function · Bias Correction Function
 - Interface : RS232C
 - Applicable OS : Windows®2000/XP/Vista®
- Accessories**
- Sample Pan : 2
 - Sample Pan Handler
 - Spoon
 - Spatula
 - Spare Fuse
 - Aluminum Sheet × 20
 - Dust Cover
 - Power Supply Cord (2m)

HANDHELD REFRACTOMETER

Order No.	Model No.	Range	Accuracy (%)	Min. Graduation (%)	Dimensions (mm)	Weight (g)	Reference Price
3-6580-01	RAB-10	Brix 0~10	±0.1	0.1	40×40×198	175	\$79.1
3-6580-02	RAB-18	Brix 0~18	±0.1	0.1	40×40×198	175	\$79.1
3-6580-03	RAB-20	Brix 0~20	±0.1	0.1	40×40×198	175	\$79.1
3-6580-04	RAB-32	Brix 0~32	±0.2	0.2	40×40×178	165	\$79.1
3-6580-05	RAB-50	Brix 0~50	±0.5	0.5	40×40×160	160	\$79.1
3-6580-06	RAB-60	Brix 0~60	±0.5	0.5	40×40×155	160	\$79.1
3-6580-07	RAB-62	Brix28~62	±0.2	0.2	40×40×160	160	\$79.1
3-6580-09	RAB-82	Brix45~82	±0.5	0.5	40×40×137	155	\$79.1
3-6580-10	RAB-92	Brix58~92	±0.2	0.2	40×40×137	155	\$79.1

- Specification**
- With Automatic Temperature Correction Function (excluding RAB-60)
 - Accessories : Scale Adjusting Screwdriver, Dropper, Storage Cover

RUBBER DUROMETER

Order No.	Model No.	Standards	Reference Price
8-454-01	GS-701N	SRIS0101	\$347.9

- 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 scalpel screw of head attachment knob.

- Specification**
- Measuring Object : GS-701N / Sponge · Felt · Soft Rubber · Hard Form · Clay



Laboratory Furniture



AS ONE ORIGINAL



It is suitable for use in sterile box or dry box as protection against dust and object for antimicrobe.

GLOVES FOR GLOVE BOX

Order No.	Model No.	Suitable Mouth Dia. (φ mm)	Length (mm)	Reference Price
1-9685-01	For 150mm	150	700	\$33.9
1-9685-02	For 200mm	200	780	\$59.5

- Specification**
- Material: Natural Rubber
 - Thickness: 0.6mm
 - Cuff I.D.: For 150mm / φ 127mm, For 200mm / φ 165mm
 - Quantity: 1pair

Offers very effective countermeasures against static electricity.



AS ONE ORIGINAL 100v



SUS ANTISTATIC DESICCATOR

Order No.	Model No.	Outer Dimensions (mm)	Inner Dimensions (mm)	Reference Price
1-9015-11	SP-SSUSFN	574×524×1770	560×483×1486	\$2018.4
1-9015-12	SP-WSUSFN	1152×524×1770	1138×483×1486	\$2907.1
1-045-11	Replacement Shelf Board (Stainless Steel)	490×460	-	\$51.6

- Suitable for preventing static electricity in electronic parts and storing chemicals.
- Specification**
- Dehumidification Method: Decomposition by Electric Current and Discharge of Moisture (H₂O) Using Solid Polymer Electrode Membrane
 - Humidity Setting Range: 20~50%RH
 - Humidity Control Method: Automatic Control with Dial (Relative humidity)
 - Material: Body / Stainless Steel (SUS304), Door / Anti-static PMMA (polymethyl methacrylate) Plate, Frame / Aluminum Sash, Rack Shelf board / Stainless Steel (SUS430), Caster / PA (Nylon)
 - Ground Terminal (with 3m ground cable) in Lower Portion of Right Side
 - Shelf board Dimensions: 490×460mm ● Shelf board installed: 50mm
 - Shelf board Interval: 40mm ● Withstand Load per Shelf board: approx. 20kg/sheet
 - Caster: φ65mm (With stoppers on front wheel)
 - Power Supply: AC100V 50/60Hz ● Cable: 3-Pin Plug, approx. 2m
 - Average Power Consumption: 5W
 - Weight: Body / 40kg (Except Shelf board), Shelf board / 1.5kg (1sheet)
- Accessories** ● Shelf board × 4 (SP-S) ● Shelf board × 8 (SP-W) ● Digital Thermo-hygrometer for Low Humidity (THA-01M) × 1

Stable dehumidity by solid polymer electrolyte membrane.



AUTO-DRY DESICCATOR

Order No.	Model No.	Outer Dimensions (mm)	Inner Dimensions (mm)	Reference Price
1-5486-21	OH-3S	330×345×525	285×275×485	\$346.4
1-5487-21	OL-3S	530×345×335	485×275×285	\$384.1

*Including dehumidification unit.

Model No.	OH-3S	OL-3S
Material	Transparent PMMA (acryl)	
Dehumidification System	Electrolysis and Discharge of H ₂ O by Means of Solid Polymer Electrolyte Membrane	
Achieved Humidity	25%RH (when unloaded inside, depending on the environment of usage)	
Area of Dehumidifier Element Membrane	30×30mm	
Power Supply	100V to 240V 50/60Hz	
Power Consumption	3W	
Shelf Clearance	Lowest Level/50mm, others/30mm	
Weight	5kg	5.4kg
Power Cord Length	2m (2P plug)	
Accessories	Shelf Board×3	Shelf Board×2
	Digital Thermo-hygrometer for Low Humidity (THI-HP), Silica Gel Plate×1	



- Dehumidification unit, which does not incorporate driving device, does not generate sound or vibration, and is very durable.
- Energy-saving design has been adopted, consume only 3W, and work as economical dehumidification storage cabinets that are always turned on.
- Moisture inside cabinet is released directly in gaseous state.

Laboratory Furniture

Each chamber is independently separated and dehumidification unit is accommodated to each chamber, influence from other chambers can be reduced to the minimum.

AUTO-DRY DESICCATOR

Order No.	Model No.	Outer Dimensions (mm)	Inner Dimensions (mm)	Specifications	Reference Price
1-4693-11	ID-S2P	574×517	560×483×736	Reinforced Plastic Shelf	\$2297
1-4693-21	ID-S2S	×1765	×2 Chambers	Stainless Steel Shelf	\$2410
1-4693-12	ID-W4P	1152×517	560×483×736	Reinforced Plastic Shelf	\$4594.1
1-4693-22	ID-W4S	×1765	×4 Chambers	Stainless Steel Shelf	\$4820
1-987-11	Spare Shelf Board	-	490×460	Reinforced Plastic Shelf	\$25.1
1-045-11	Board	-	-	Stainless Steel Shelf	\$51.6

- Specification**
- Dehumidification Method: H₂O Electrolysis by Solid Polyelectrolyte Film
 - Ultimate Humidity: approx. 20%RH (internal no-load depending on environment)
 - Material: Body / PMMA (acrylics), Frame / Aluminum Sash, Shelf Board / Reinforced Plastic (ID-S2P-W4P) / Stainless Steel (ID-S2S-W4S)
 - Shelf Board Attachment Pitch: 50mm
 - Min. Shelf Board Interval: Shelf Board Made from Reinforced Plastic / 35mm, Shelf Board Made from Stainless Steel / 40mm
 - Shelf Board Withstand Load: Shelf Board Made from Reinforced Plastic / approx. 10kg / piece, Stainless Steel Shelf Board / approx. 20kg / piece
 - Shelf Board Dimensions: 490×460mm
 - Power Supply: AC100V 50/60Hz (ID-S2 ×2, power supply ×4 for ID-W4 required)
 - Power Cord Length: approx. 2.8m (2-pin plug)
 - Weight: ID-S2 / 36kg, ID-W4 / 65kg
 - Caster: φ65mm Made of Nylon (front stopper ×2 provided)
- Accessories**
- Shelf Board: ID-S2 / 4sheet, ID-W4 / 8sheet
 - Low Humidity Digital Temperature/Humidity Meter (THA-O1M): ID-S2 / 2pcs, ID-W4 / 4pcs



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ULTRA-LOW HUMIDITY DESICCATOR

Order No.	Model No.	Outer dimensions (mm)	Internal dimensions (mm)	Reference Price
1-2903-01-90	DMX-400	599 × 658 × 1255	549 × 630 × 1030	\$2108.8
1-2903-02-90	DMX-600	599 × 658 × 1785	549 × 630 × 1560	\$2560.6
1-2903-03-90	DMX-1200	1200 × 658 × 1840	1150 × 630 × 1560	\$4443.4

REPLACEMENT SHELF BOARD (For DRYMAX DMX)

Order No.	Model No.	Specifications	Dimensions (mm)	Reference Price
3-1736-03	For 400, 600 Types	For Upper and Middle	555×490	\$87.4
3-1736-01		For Lower		
3-1736-04	For 1200 Type	For Upper and Middle	1157×490	\$174
3-1736-02		For Lower		

- Specification**
- Material: Stainless steel (SUS430)

Model No.	DMX-400	DMX-600	DMX-1200
Attained humidity	1%RH ^{※1}		
Humidity setting range	1~50%RH		
Humidity control range	1%RH ^{※2} to indoor humidity		
Dehumidification method	Repeated adsorption dehumidification/regeneration		
Humidity sensor	Capacitive type		
Humidity sensor accuracy	±2%RH		
Ambient temperature	5°C to 35°C		
Capacity	388L	580L	1160L
Shelf board size	555×490 mm		1157×490 mm
Materials	Steel conductive coating finish (main unit), SUS430 (shelf board), and glass (front window)		
Power supply	220 VAC; Cord length: Approx. 2 m		
Max. power consumption	290W		540W
Average power consumption	31 W/h		52 W/h
Weight	48 kg	118 kg	150 kg
Caster	φ 75 mm, made of polyurethane		φ 125 mm, made of polyurethane
Accessories	Shelf board × 3 pieces		Shelf board × 5 pieces



DMX-1200



DMX-400



DMX-600

- ※1. Due to a humidity sensor error, the humidity display may not match even if the target humidity is attained.
- ※2. The humidity control range is a reference value based on no load inside the chamber and an outdoor temperature at 25°C with 60% RH changes depending on the outdoor air conditions.

DESICCATOR (For Transportation)

Order No.	Model No.	Outer Dimensions (mm)	Effective Inner Dimensions (mm)	Reference Price
1-9033-01	SD-BG1K	574×517×1095 (1150) [※]	560×483×986	\$641.7
1-9103-02	WGN-S	574×517×1115 (1170) [※]		\$715.5
1-987-11	Replacement Shelfboard (Reinforced Plastic Shelf)	-	490×460	\$25.1
1-045-11	Replacement Shelfboard (Stainless Steel Shelf)	-		\$51.6

*Shelfboard is not included. *Please do not put anything on top plate of SD-BG1K. *Including handle

- Large-sized caster is adopted in order to withstand frequent movement.
 - Magnet packing is adopted for door packing and excellent in air tightness.
- Specification**
- Material: Body / PMMA (polymethyl methacrylate), Frame / Aluminum Sash, Top Plate / Acrylic Resin (SD-BG1K) / Wooden Plywood (WGN-S)
 - Caster: φ75mm Urethane (Stopper ×2 provided) ● Shelfboard Interval: 50mm
 - Shelfboard Withstand Load: Reinforced Plastic Shelf / approx. 10kg / tier, Stainless Steel Shelf / approx. 20kg / tier
 - Top Plate Withstand Load: approx. 20kg / tier (with uniformly distributed) (WGN-S)
 - Shelfboard Dimensions: 490 × 460mm ● Door Packing: Magnet
 - Weight: SD-BG1K / 18.5kg, WGN-S / 22.5kg ● Accessory: Silica Gel Plate × 1



WGN-S application example



SD-BG1K

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Laboratory Furniture

VACUUM DESICCATOR

Order No.	Model No.	Outer Dimensions (mm)	Inner Dimensions (mm)	Specification	Reference Price
1-067-01	VLH Type	310×333×520	260×280×410	No Outlet	\$1257.7
1-067-02	VLH-C Type			With Outlet	\$1468.6

- Specification**
- Material : Body / Transparent Reinforced PMMA (polymethyl methacrylate) (board thickness : 25mm), Valve-Vacuum Meter Attachment Part / PC (polycarbonate)
 - Allowable Vacuum : approx.133Pa
 - 2 Electric Sockets with External Switch (100V 15A 1channel type) (VLH-C type only)
 - Shelf Board Dimensions : 257×257×4mm
 - Quantity of Shelf Board : 4 (shelf board interval : 85mm)
 - Shelf Board Withstand Load : approx.2kg (equal load)
 - Capacity : 30L
 - Weight : 23kg
- Accessories**
- Vacuum Valve : Small / O.D. φ8mm · Large / O.D. φ14mm × 1 each
 - Electric Socket (VLH-C) : AC100V 15A 3P × 1 ports × 2units
 - Power Switch (VLH-C) : Toggle Switch × 2
 - Vacuum Meter × 1
 - Shelf Board × 3
 - Silica Gel Plate × 1



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100V



Great Deal

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GLASS DESICCATOR

Order No.	Model No.	Inside diameter (mm)	Overall height (mm)	Promotional price
51-0001-13	120	φ120	165	\$28
51-0001-14	300	φ300	365	\$147.7
51-0001-15	400	φ400	470	\$479.1

- A high-quality soda lime glass product
- Specifications
- Material: Soda lime glass



PP/PC desiccator with excellent cost performance!

Great Deal

DESICCATOR (Made of PP/PC)

Order No.	Inside diameter (mm)	Flange outer diameter (mm)	Overall height (mm)	Promotional price
53-0001-35	φ150	φ171	Approx. 210	\$30.2
53-0001-36	φ199	φ232	Approx. 260	\$51.6
53-0001-37	φ240	φ276	Approx. 320	\$67.7
53-0001-38	φ300	φ340	Approx. 400	\$116.4

- ※Please do not place hot potson plate due to PP material.
- The lid is made of durable, clear polycarbonate for ease of observation inside.
- Specifications
- Material: PP (main part and inner plate) and polycarbonate (lid) ● With an inner plate

Overwhelming popularity! Popular Desiccators.



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DESICCATOR

Order No.	Model No.	Outer Dimensions (mm)	Inner Dimensions (mm)	Reference Price
1-001-01	LH	300×345×525	285×275×485	\$138.6
1-007-01	LL	500×345×335	485×275×285	\$162.7
1-001-02	Replacement Shelf Board For LH			\$9.8
1-007-02	Replacement Shelf Board For LL			\$16.6

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

- Specification
- Material : Body / Transparent PMMA (acrylics) , rubber leg / Crude Rubber
- Frontage Dimensions : 258×458mm
- Shelf Board Dimensions : LH/257×270×4mm, LL/450×270×5mm
- Shelf Board Withstand Load : 2kg
- Total Withstand Load : 10kg
- Shelf Board Attachment Pitch : Bottom-step / 50mm, Other / 30mm (min. shelf board interval 20mm)
- Weight : LH/4.5kg (including shelf board) , LL/3.3kg
- Accessories
- Shelf Boards (LH / 3sheets, LL / 2sheets) ● Silikagel Plate × 1

POLY-FILM SILICA GEL

Order No.	Model No.	Dimensions (mm)	Quantity	Reference Price
1-6658-01	QP5 g	70×55	1box (1500pieces)	\$67.8
1-6658-02	QP10 g	80×70	1box (800pieces)	\$65.5
1-6658-03	QP20 g	100×75	1box (400pieces)	\$61.8

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



CART

Order No.	Model No.	No. of Shelves	Shelf Interval (mm)	Withstand Load (kg)	Loading Platform Dimensions (mm)	Floor Surface Height (mm)	Caster Dia. (mm)	Weight (kg)	Reference Price
3-448-11	NHT-101	1	-	150	740×480	140	φ100	12	\$66.3
6-9093-11	NHT-106 (With Foot Brake)							15	\$140.8
3-448-12	NHT-104	2	500	150	740×480	140	φ100	17	\$149.1
6-9093-13	NHT-104 (With Foot Brake)							223.7	\$223.7
3-445-11	NHT-105	3	240	150	740×480	140	φ100	23.4	\$223.7
6-9093-15	NHT-105 (With Foot Brake)							298.2	\$298.2
3-448-14	NHT-301	1	-	300	920×610	210	φ130	20	\$132.6
6-9093-12	NHT-306 (With Foot Brake)							25	\$215.4
3-448-15	NHT-304	2	500	300	920×610	210	φ130	30	\$256.8
6-9093-14	NHT-304 (With Foot Brake)							356.2	\$356.2
3-445-12	NHT-305	3	240	300	920×610	210	φ130	37.5	\$356.2
6-9093-16	NHT-305 (With Foot Brake)							455.6	\$455.6

※6-9093-11~16 require the foot brake at the time of use.

- Finger pinch prevention resin cover is attached to folding part of handle (except NHT-104·105·304·305).

- Specification
- Material : Platform / Steel (polyester paint processing · blue mat-covered) , Handle / Steel



LIGHTWEIGHT RESIN CARRIER

Order No.	Model No.	Color	Type	Reference Price
2-3934-01	MPK-720-W	White	-	\$109.2
2-3934-02	MPK-720-BK	Black		\$109.2
1-1537-02	MPK-720-NW	White	With a handle pocket	\$113
1-1537-01	MPK-720-NBK	Black		\$113
2-3955-01	MPK-720-W-SS	White	With a stopper	\$171
2-3955-02	MPK-720-BK-SS	Black		\$171

※The -SS type has a stopper.

- Rib 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.

- Specifications
- Material: PP (main unit) and steel powder coating (handle)
- Size (mm) : 780 × 490 × 162 (handle height: 900 mm)
- Caster: φ100 mm elastomer (flexible and fixed × 2 each)
- Withstand Load: 200 kg
- Weight: 7.9 kg (MPK-720-W/BK), 7.9 kg (MPK-720-NW/NBK), 9.0 kg (MPK-720-W-SS/BK-SS)

DOLLY (Mesh type)

Order No.	Model No.	Color	Dimensions (mm)	Weight (kg)	Reference Price
2-4957-01	MPK-500-BK	Black	385×515×115	1.84	\$29
2-4957-02	MPK-500-W	White			\$29
2-4957-03	MPK-600-BK	Black	415×615×115	2.08	\$30.5
2-4957-04	MPK-600-W	White			\$30.5

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

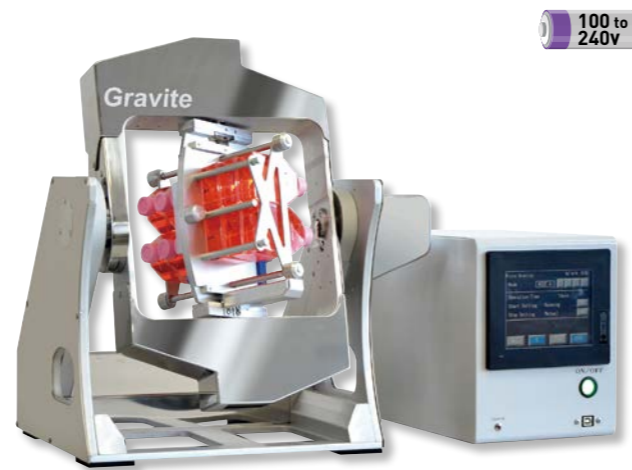
- Specification
- Material : Loading Platform / Recycled PP (polypropylene) , Caster / Nylon Resin
- Caster Dimensions : φ75mm (flexible · fixed × 2 of each)

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GRAVITY CONTROL SYSTEM(GRAVITE)

Order No.	Model No.	Main unit size (mm)	Weight (kg)	Reference Price
3-7413-01	GC-JP-RCE01	425 × 420 × H445	13.5	\$50000.0

- By rotating the sample 360 degrees around two orthogonal axes and distributing the gravity vector in all directions, a simulated microgravity environment will be realized.
 - Centrifugal force from single axis rotation creates a hypergravity environment of 2 to 3G.
 - Acceleration sensors allow real-time monitoring of gravity.
 - Twelve Violamo cell culture flasks (VTC-F25V) can be mounted.
- Specifications**
- Simulation of Tiny Gravity Environment: 10⁻³G
 - Power Supply: AC100~240V 50/60 Hz; Maximum Power Consumption: 75 W



100 to 240V



STANDARD PETRI DISH

Order No.	Model No.	Size (mm)	Promotional price
53-0002-50	40/12	φ 40 × 12	\$1.3
53-0002-51	50/12	φ 50 × 12	\$1.3
53-0002-52	60/15	φ 60 × 15	\$1.4
53-0002-53	80/15	φ 80 × 15	\$1.4
53-0002-54	90/15	φ 90 × 15	\$1.6
53-0002-55	100/20	φ 100 × 20	\$1.8
53-0002-56	120/20	φ 120 × 20	\$2.5
53-0002-57	150/25	φ 150 × 25	\$3.5
53-0002-58	180/30	φ 180 × 30	\$7.2
53-0002-59	200/30	φ 200 × 30	\$7.2

※Color may vary slightly depending on the production lot.
※The price is per unit.

- Specifications**
- Material: Soda lime glass



ASONE DISPOSABLE STERILIZED PETRI DISH

Order No.	Model No.	Dia.×Height (mm)	Quantity	Reference Price
3-1491-01	ND90-15	φ90×15	1box (10pieces/bag×50)	\$70.4
3-1491-51	ND90-15 10boxes	φ90×15	1case (10boxes)	\$610



Electron-beam-sterilized easy-to-handle petri dishes.



- It has rib on outer circumference, so it is difficult to collapse even if stacked.
 - Excellent transparency and easy colony check
 - Because it is structured to prevent sticking of lid and body, it does not impair breathability.
 - It has 4-dividing-points on bottom so it is convenient for colony observation.
- Specification**
- Material : PS (polystyrene) ● Sterilized by Electron Beam

STAINLESS STEEL PETRI DISH

Order No.	Model No.	Outer diameter × height × thickness (mm)	Promotional price
53-0001-32	1223	φ60 × 20 × 0.7	\$4.3
53-0001-33	1224	φ75 × 20 × 0.7	\$5
53-0001-34	1225	φ90 × 17 × 0.7	\$5.8

※The price is per unit.

- The gap between the lid and the body is small, making it difficult to drop when carrying.
- Specifications**
- Material: SUS304



MICROWELL PLATE

Order No.	Model No.	Quantity	Reference Price
1-1601-01	Round Bottom Non-sterilized	1case (5pieces/bag×27bags)	\$125
1-1601-02	Flat Bottom Non-sterilized		\$125
1-1601-03	Round Bottom Sterilized		\$144.6
1-1601-04	Flat Bottom Sterilized		\$144.6
1-1601-05	Round Bottom With Lid Sterilized	1case (1pieces/bag×135bags)	\$190.5
1-1601-06	Flat Bottom With Lid Sterilized		\$190.5

- Made of polystyrene with excellent transparency. Unevenness in thickness is reduced, and is suitable for measurement with plate reader and microscopic observation.
 - Design that conforms to ANSI/SBS standard.
- Specification**
- Material : PS (polystyrene)
 - Dimensions : 127.76×85.46×14.35mm
 - Capacity : Round Bottom/320μL, Flat Bottom/370μL
 - DNase·RNase·DNA Free
 - Sterilized by Electron Beam (-03~06 only)



MICRO TUBE

Order No.	Capacity (mL)	Type	Bottom Shape	Reference Price
1-1600-01	1.5	Unsterilized	Flat	\$16.9
1-1600-02	2.0		Round	\$24.9
1-1600-03	1.5	Sterilized by Electron Beam	Flat	\$17.3
1-1600-04	2.0		Round	\$18.8

- Possible to used safely because cap is hard to open by vibration, boiling or etc(locking mechanism equipped).
 - Contamination risk can be reduced because finger is hard to touch inner ring at the time of one-hand use by combination of lock and guard pin.
 - 1.5 mL type is flat bottom design which is easy to suck out of liquid after centrifugation.
- Specification**
- Material : PP (virgin polypropylene) ● Centrifuge Strength : 20000G
 - Graduation : 1.5mL Type/0.1·0.5·1.0·1.5mL, 2.0mL Type/0.5·1.0·1.5·2.0mL
 - Length (except cap) : 1.5mL/38.6mm, 2.0mL/39.8mm
 - Max. Body Dia. : approx. φ10.8mm ● Writable Space (cap upper, tube side)
 - DNase·RNase·DNA-free ● Autoclavable
 - Quantity : -01·02/1 bag (1000pieces), -03·04/1 bag (50pieces/bag×5 bags)

Sanitary inspection anytime, anywhere

ATP WIPE TEST SYSTEM(Lumitester Smart)

Order No.	Model No.	Specifications	Reference Price
2-8524-21	61234	Main part (Smart)	\$751.6
2-8524-02	60331	LuciPac Pen/100 sticks (20 sticks/bag × 5)	\$180.8
2-8524-03	60333	LuciPac Pen40/40 sticks (20 sticks/bag × 2)	\$90.4
2-8524-04	60336	LuciPac Pen-AQUA/100 sticks (20 sticks/bag × 5)	\$180.8
2-8524-05	60484	Control kit/one set	\$376.6
2-8524-12	60361	LuciPac A3 Surface/100 sticks (20 sticks/bag × 5)	\$180.8
2-8524-13	60362	LuciPac A3 Surface40/40 sticks (20 sticks/bag × 2)	\$90.4
64-9078-81	60367	LuciPac A3 Surface (Wet swabs)/100 sticks (20 sticks/bag × 5)	\$180.8
2-8524-14	60365	LuciPac A3 Water/100 sticks (20 sticks/bag × 5)	\$180.8

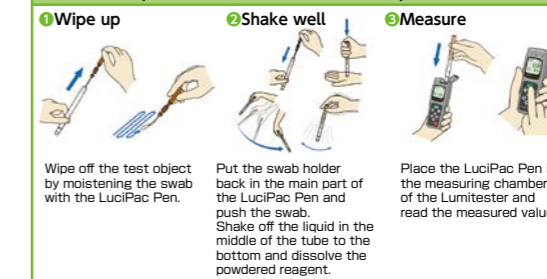
※LuciPac is a measurement reagent exclusively for the Lumitester Smart.
※Reagent storage method: 2°C to 8°C (no freezing)
※Check with AXEL for the contents of each set.

- You can see the measurement results in just 10 seconds.
- Wireless communication with smartphones and tablets is possible.
- The system can be linked to an app to check inspection results.
- The LuciPac Pen/A3 Surface are suitable for wipe inspection, and the LuciPac Pen-AQUA/A3 Water are suitable for water (liquid) inspection.
- The control kit can be recharged in about 30 seconds to check the operation and sensitivity of the main unit quickly.

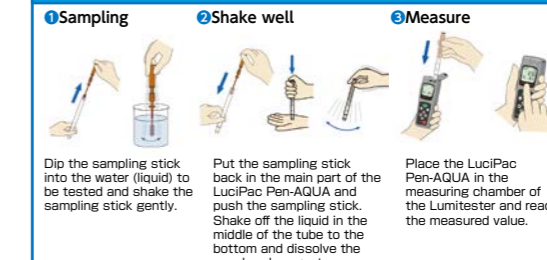
- Specifications**
- <Lumitester Smart>
- Measurement Time: 10 seconds
 - Functions: Temperature compensation function, self-diagnostic function, and wireless communication with smartphones and tablets
 - Unit of Measurement: RLU
 - Data Memory: 2000 data items
 - Power Supply: Two AA alkaline dry cell batteries or two AA nickel-hydrogen rechargeable batteries
 - Size: 65 × 40 × 176 mm
 - Weight: 255 g (excluding batteries)
- <Control kit>
- Charging Time: Approx. 30 seconds
 - Driving Time: 15 minutes after charging is complete
 - Power Supply: AC adapter (provided)
 - Size: φ12 × 135 mm (standard light source) and approx. φ12 × 150 mm (blank tube)
 - Weight: Approx. 20 g (excluding AC adapter and standard light source) and approx. 10 g (blank tube)



How to use (LuciPac Pen/LuciPac Pen 40)



How to use (LuciPac Pen-AQUA)



Life Science and Analysis

Lightweight just like felt pen and easy counting.



COLONY COUNTER PEN

Order No.	Model No.	Specification	Reference Price
2-5764-01	CC-1	Body	\$88.9
2-5764-11	Replacement Marker-Black	1piece	\$1.6
2-5764-12	Replacement Marker-Red		\$2.3

- Colony can be easily counted by one-handed operation.
- It is easy to see multiplied numerical value with digital display of 5 digits.
- With operation sound for every count, positive calculation is possible.
- Built-in oilpen is easily exchangeable.
- Specifications
 - Display : 5 digits Liquid Crystal Display
 - Battery : SR43W Battery x 1 piece (included for testing)
 - Dimensions : φ 14 (grip part) x 160mm (total length)
 - Weight : approx. 20 g
 - Accessories : Oily Marker Black·Red x 1 each



COLONY COUNTER

Order No.	Model No.	Dimensions (mm)	Weight (kg)	Reference Price
2-8258-21	Galaxy 330	351x302x370	approx. 5.6	\$1189.9
2-8258-31	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: 2 ~ 3x
 - Light source: LED
 - Display: 3 rows
 - Compatible petri dish size: φ60 ~ φ150mm
 - Function: Zero-set count-back
 - Interface: USB
 - Material: Aluminum powder baked coating finish
 - Power supply: AC100 ~ 240V
 - Power cord length: 1.7m (3-Pin Plug)
 - Galaxy 330 accessory: Marking pen (black) x 1
 - Software accessory: USB cable



SAMPLE SPREADER (Sterilized by EOG)

Order No.	Model No.	Reference Price
2-5113-01	GDC-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 : 37mm
 - Length : 150 (φ 4) mm
 - Sterilized by EOG
 - Quantity : 1box (10pieces/bag x 100bags)



FLARED STERILIZER

Order No.	Model No.	Temperature (°C)	Size (mm)	Promotional price
51-0001-07	SAS-3000	500/825	100x185x180	\$387.3

- 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).
- Specifications
 - Inner opening size: φ 14 x 140 mm
 - Power supply: 220 V 50/60 Hz (3-P plug)
 - Power cord length: Approx. 1.3 m
 - Weight: 1.3 kg

Simultaneous processing of two specimens improves work efficiency.

BAG HOMOGENIZER

Order No.	Model No.	Sample handling volume (mL)	Size (mm)	Reference Price
2-4219-01	BH-W	80~400	390 x 260 x 310	\$2372.31

- 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 (10, 30, 60, 90, 120, 150, 180, or 210 seconds)
 - Number of Strokes: 8 strokes/s
 - Power Supply: Dedicated AC adapter provided (100-240 VAC 50/60 Hz)
 - Weight: 20 kg



All prices are subject to change without notice. Please check the latest price from the QR code.

TEST BAG

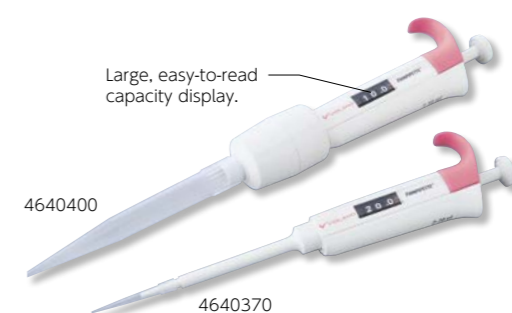
Order No.	Model No.	Size (mm)	Quantity	Reference Price
2-6391-01	with filter	190 x 300	500 pieces (25 pieces/bag x 10 bags x 2 boxes)	\$127.3
2-6391-02	with no filter			\$82.1
2-6391-03	Mini (with filter)	130 x 180		\$87.4
2-6391-04	Eco (with filter)	150 x 260		\$103.9
2-6391-06	Soft (with filter)	190 x 300		\$88.9

- ※Product samples with numbers 2-6391-01 through 2-6391-06 are available.
- 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 (30 g/m²)
 - Material: Main unit/Nylon (thickness: 15 μm) and low-density polyethylene (thickness: 50 μm and soft: 40 μm)/Filter/Non-woven spunbonded fabric
 - Sterilized by gamma rays



PIPETTE (Single channel)

Model No.	Capacity	Minimum variable capacity	Precision (min. capacity)	Reproducibility (min. capacity)	1-1903					
					1 piece	6 pcs sets	Inspection certificate			
4640360	1 ~ 10 μL	0.02 μL	±3.5%	3 %	-21	\$154.4	-51	\$775.7	-21-22	\$154.4
4640370	2 ~ 20 μL		±3.0%	2.5%	-22	\$154.4	-52	\$775.7	-22-22	\$154.4
4640380	20 ~ 200 μL	0.2 μL	±3.0%	1.5%	-23	\$154.4	-53	\$775.7	-23-22	\$154.4
4640390	100 ~ 1000 μL	1 μL	±1.5%	0.6%	-24	\$154.4	-54	\$775.7	-24-22	\$154.4
4640410	0.5 ~ 5 mL	0.01 mL	±2.0%	0.8%	-26	\$154.4	-56	\$775.7	-25-22	\$154.4
4640400	1 ~ 10 mL	0.02 mL			-25	\$154.4	-55	\$775.7	-26-22	\$154.4
Low-volume tip cone (one)					-11	\$16.6				



- 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 4640360 and 4640370 models can eject tips of up to 10 μL by attaching a low-volume tip cone (sold separately).
- Specifications
 - Compatible Tip: Violamo Tip (P.51)
- ※Product with an inspection certificate: AS ONE offers a service that provides a product with AS ONE's original inspection certificate attached to the product at the time of shipment.

NICHIPET

Order No.	Model No.	Capacity range (μL)	Scale unit (μL)	Precision (%)	Reproducibility (%)	Reference Price
2-3026-27	00-NPX2-2	0.1 ~ 2.0	0.002	±12.0~±3.0	±6.0~±1.0	\$263.6
2-3026-21	00-NPX2-10	0.5 ~ 10	0.01	± 4.0~±1.0	±3.0~±0.5	\$263.6
2-3026-22	00-NPX2-20	2 ~ 20	0.02	± 5.0~±1.0	±3.0~±0.4	\$225.9
2-3026-23	00-NPX2-100	10 ~ 100	0.1	± 2.0~±0.8	±1.0~±0.3	\$225.9
2-3026-24	00-NPX2-200	20 ~ 200	0.2	± 1.0~±0.8	±0.5~±0.2	\$225.9
2-3026-25	00-NPX2-1000	100 ~ 1000	1	± 1.0~±0.7	±0.5~±0.2	\$225.9
2-3026-26	00-NPX2-5000	1000 ~ 5000	10	± 1.0~±0.6	±0.3~±0.2	\$263.6
2-3026-28	00-NPX2-10000	1000 ~ 10000		± 2.0~±0.4	±0.4~±0.2	\$297.5
1-7897-11	00-NTO-001	Opener (for 0.2- to 2-mL tubes)x3				\$15.1
2-3026-31	00-NX2-0601000	Filter for 00-NPX2-1000 (x10)				\$15.1
2-3026-33	00-NX2-0615000	Filter for 00-NPX2-5000~10000 (x100)				\$21.1

- ※Precision and reproducibility below 0.2 μL greatly influenced by sampling techniques.
- ※The Opener 00-NTO-001 cannot be used with 00-NPX2-5000 or 00-NPX2-10000.
- ※Filter is for 00-NPX2 only.

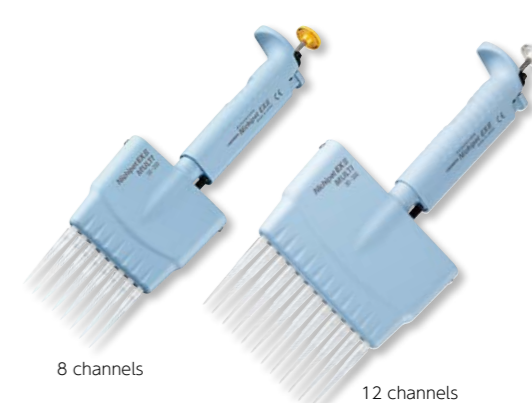


- Entire 00-NPX2 type unit can be autoclaved and UV-irradiated.
- Specifications
 - Capacity Setting Method: Variable

MULTI CHANNEL PIPETTE (Nichipet)

Order No.	Model No.	Number of channels	Capacity range (μL)	Scale unit (μL)	Precision (%)	Reproducibility (%)	Reference Price
3-8864-01	00-NPM-8VP	8	0.5 ~ 10	0.01	±8.0~2.0	±5.0~±1.0	\$602.5
3-8864-02	00-NPM-8SP		5 ~ 100	0.1	±3.0~0.8	±2.0~±0.3	\$602.5
3-8864-03	00-NPM-8LP		20 ~ 200	0.2	±3.0~0.9	±0.6~±0.3	\$602.5
3-8864-04	00-NPM-8KP		30 ~ 300	1	±3.0~0.6	±1.0~±0.3	\$602.5
3-8864-05	00-NPM-12VP	12	0.5 ~ 10	0.01	±8.0~2.0	±5.0~±1.0	\$790.8
3-8864-06	00-NPM-12SP		5 ~ 100	0.1	±3.0~0.8	±2.0~±0.3	\$790.8
3-8864-07	00-NPM-12LP		20 ~ 200	0.2	±3.0~0.9	±0.6~±0.3	\$790.8
3-8864-08	00-NPM-12KP		30 ~ 300	1	±3.0~0.6	±1.0~±0.3	\$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).





PIPETTE TIP(Rack pack)

Order No.	Model No.	Capacity (μL)	Color	Quantity	Reference Price
3-6629-11	V-10RH	10	Natural	1 case (96 pieces /rack x 10 racks)	\$30.1
3-6629-07	V-200RH	200	Yellow		\$30.1
3-6629-12	V-200RH	200	Blue		\$30.1
3-6629-08	V-1000RH	1000	Natural		\$33.9
3-6629-13	V-1000RH	1000	Blue		\$33.9
3-6629-04	V-10RE (Electron-beam sterilized)	10	Natural		\$37.7
3-6629-09	V-200RE (Electron beam sterilized)	200	Yellow		\$37.7
3-6629-05	V-200RE (Electron beam sterilized)	200	Blue		\$37.7
3-6629-10	V-1000RE (Electron beam sterilized)	1000	Natural		\$41
3-6629-06	V-1000RE (Electron beam sterilized)	1000	Blue		\$41

- The racks are stackable and take up little storage space.
- Specifications
 - Material: PP
 - Can be autoclaved (121°C, 20 min. max.)
 - Scaled
 - DNA, RNase, DNase, pyrogen-free

PIPETTE TIP(with filter)

Order No.	Model No.	Capacity (μL)	Color	Quantity	Reference Price
3-6625-11	V-10FH	10	Natural	1 case (96 pieces/rack x 10 racks)	\$53.8
3-6625-12	V-200FH	200	Natural	1 case (96 pieces/rack x 10 racks)	\$53.8
3-6625-13	V-1000FH	1000	Natural	1 case (96 pieces/rack x 10 racks)	\$57.2

- The racks are stackable and saving storage space.
- The filter is hydrophobic and prevents cross-contamination during pipetting.
- Specifications
 - Materials: tips, racks, and plates (PP); Filter (PE)
 - Electron-beam sterilized
 - Scaled
 - DNA, RNase, DNase, pyrogen-free
 - Cannot be autoclaved

PIPETTING RESERVOIR

Order No.	Model No.	Sterilization	Quantity	Promotional price
52-0001-02	36090001	Not sterilized	1 pack (10 pieces)	\$5.5
52-0001-03	36090001W	Not sterilized	1 pack (50 pieces)	\$22.3
52-0001-04	36090001D	Sterilized	1 box (500 pieces)	\$299.3

- 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 corner ensures ease of pouring liquids.

- Specifications
 - Material: PP
 - Color: White



AUTO DISPENSER

Order No.	Model No.	Reference Price
2-3554-21	DIL-300N	\$2297
2-3554-11	Foot switch	\$58.7



Foot switch

- 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.
- Specification
 - <Body>
 - Dilution factor setting range : 1.1x ~ 100x
 - Motor : Stepping motor
 - Dispensing flow rate : approx. 1000mL/min
 - Average flow rate : approx. 600mL/min (Example : Total amount of 100 g)
 - Total amount dispensed : 5 ~ 300 g
 - Dispensing accuracy : Within ±0.5 g of target weight
 - Tube used : Silicon tube (I.D. φ7mm x O.D. φ10mm)
 - Weight : approx. 3.5kg
 - Power supply : AC100 ~ 240V 50/60Hz
 - Dimensions : 130 x 160 x 125mm
 - <Electronic balance>
 - Weighing capacity : 1500 g
 - Resolution : 0.1-0.2-0.5 g (automatic switching)
 - Power supply : AC100V 50/60Hz

DIGITAL BOTTLE TOP BURETTE

Order No.	Model No.	Max. dispensing capacity (mL)	Reference Price
4-362-01	TI-10	10	\$1242.7
4-362-02	TI-25	25	\$1129.7
4-362-03	TI-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
 - Materials: Piston (PTFE and ETP), cylinder (borosilicate glass), valve housing and check valve (PFA), and tube (FEP)
 - Titration Range: 0.001 - 10 mL (TI-10), 0.01 - 25 mL (TI-25), and 1 - 50 mL (TI-50)
 - Precision: ±0.1% (-01), ±0.07% (-02), and ±0.05% (-03)
 - Reproducibility: ±0.05% (-01), ±0.024% (-02), and ±0.02% (-03)
 - Minimum Indication: 0.002 mL (TI-10), 0.05 mL (TI-25), and 0.01 mL (TI-50)
 - Number of Memories: 20
 - Bottle Adapter: 28 mm (GL28), 32 mm (GL32), 38 mm (GL38), 40 mm (GL40), 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 (GL30), light-shielding observation window, AC adapter, touch pen, and USB cord



Touch panel

Bottle adapter



SCI-30

BOTTLE DISPENSER

Order No.	Model No.	Dispensing capacity (mL)	Min. scale (mL)	Reference Price
2-9673-11	SCI-10	1.0~ 10	0.2	\$190.5
2-9673-12	SCI-30	2.5~ 30	0.5	\$215.4
2-9673-13	SCI-60	5.0~ 60	1.0	\$237.2
2-9673-14	SCI-100	10 ~100	2.0	\$497.1

- ※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: Piston (PTFE), O-ring (ETP), housing (PP with 10% glass), cylinder (borosilicate glass), suction and discharge tube (FEP), and nozzle cap (PP)
 - Precision: ±0.6% ● Reproducibility: ±0.2%
 - Inner Opening Diameter of Main Unit: 30 mm (GL30)
 - Bottle Adapter (sold together): 28 mm (GL28), 32 mm (GL32), 38 mm (GL38), 40 mm (GL40), and 45 mm (GL45)



1B~25B White

1B~25B Amber

AUTO BURETTE(With Amber Bottle)

Order No.	Model No.	Capacity (mL)	Min. Graduation (mL)	Color	Reference Price
2-5638-01	1B	1	0.01	White	\$224.4
2-5638-02	5B	5	0.1		\$224.4
2-5638-03	10B	10	0.2		\$224.4
2-5638-04	25B	25	0.2	Amber	\$292.2
2-5639-01	1B	1	0.01		\$261.3
2-5639-02	5B	5	0.1		\$261.3
2-5639-03	10B	10	0.2		\$261.3
2-5639-04	25B	25	0.2	\$366.8	

- ※White and Amber are the color of burette body.
- ※Only burette is available. Please contact us.
- ※Please ask for products with other capacity.
- Specification
 - Wetted Part Material : Pyrex Glass·Ceramics·PTFE (fluororesin)
 - Nozzle Connection Tube Material : Silicon
 - Bottle Capacity : 1000mL

SELF-STANDING PIPETTOR

Order No.	Model No.	Compatible pipette (mL)	Reference Price
3-9255-01	B501-1000	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 (ABS resin, PP, polycarbonate), filter (PTFE), and pipette holder (silicone)
 - 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 (nosepiece, pipette holder, filter only)
 - Accessory: Filter (0.2 μm)



When using a wall-hanging holder

Self-supporting

CAPILLARY TUBE

Order No.	Volume (µL)	Length (mm)	O.D./I.D. (mm)	Quantity	Reference Price
2-453-01	0.5	32	0.57/0.14	1pack (100pieces)	\$12.8
2-453-02	1		0.68/0.20		\$12.8
2-453-03	2		0.73/0.28		\$12.8
2-453-04	3		0.82/0.34		\$12.8
2-453-05	4		0.82/0.40		\$12.8
2-453-06	5	30	0.89/0.45	1pack (100pieces)	\$12.8
2-453-07	10		0.90/0.63		\$12.8
2-453-08	20		1.39/0.92		\$12.8
2-453-09	25		1.50/1.02		\$12.8
2-453-10	30		1.53/1.12		\$12.8
2-453-11	40	1.86/1.30	\$12.8	1 pack (100 pieces)	
2-453-12	50	1.86/1.46	\$12.8		
2-453-13	100	1.51/1.12	\$12.8		

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

- Specification
- Volume Accuracy : <=0.5%, Inaccuracy : <=1.0%



CAPILLARY TUBE RINGCAPS®

Order No.	Capacity (µL)	Graduation (Individual)	O.D./I.D. (mm)	Quantity	Reference Price
2-454-01	5	2	1.20/0.29	1pack (250pieces)	\$33.1
2-454-02	10		1.20/0.47		\$33.1
2-454-03	20	1	1.35/0.63	1pack (250pieces)	\$33.1
2-454-04			1.50/0.72		\$33.1
2-454-05			1.52/1.02		\$33.1
2-454-06			1.52/1.05		\$33.1
2-454-07	50	2	1.52/1.02	1pack (250pieces)	\$33.1
2-454-08	40		1.95/1.39		\$33.1
2-454-09	100	2	1.95/1.39	1pack (100pieces)	\$33.1
2-454-10	200		2.50/1.89		\$27.9
2-454-11	44.7 Heparin Processing	1	1.52/1.02	1pack (250pieces)	\$40.7
2-453-15	9609900 Micropipetter				\$42.9

Volume can be checked quickly with color code (ISO7550).

- Specification
- Length : 125mm
- Material : DURAN® (borosilicate glass)
- <2-454-01>
- Volume Accuracy : <=0.30%, Inaccuracy <=0.6%
- <2-454-02~12>
- Volume Accuracy : <=0.25%, Inaccuracy <=0.5%
- <9609900 Micro Pipetter>
- Material : PE (polyethylene)

- Accessories
- Adapter Large (yellow) × 1
- Adapter Small (transparent) × 1



9609900

CAPILLARY TUBE

Order No.	Model No.	Length (mm)	Quantity	Promotional price
51-0001-12	70	75	1 pack (100 pieces)	\$2.3

- Rapid blood sample collection is possible.
- Manufactured using a precision mold and has little residue from the process of centrifugal sampling.
- Round box packaging with lid.

- Specifications
- Material: Glass
- Blue label
- Surface untreated



AS ONE ORIGINAL

PRESSURE SPRAYER

Order No.	Model No.	Type	Capacity (L)	Nozzle length (mm)	Reference Price
1-6574-03	7400	Single-head type	4	390	\$49.7
1-6574-01	7450			650 to 1600	\$64.8
1-6574-02	7560	Double-head type	5	700 to 2100	\$78.3

- Specification
- Hose length : 7400 and 7450 / 2m, 7560 / 5m
- Material : Tank / PE (polyethylene), nozzle / stainless steel, hose / elastomer
- Automatic safety valve function equipped



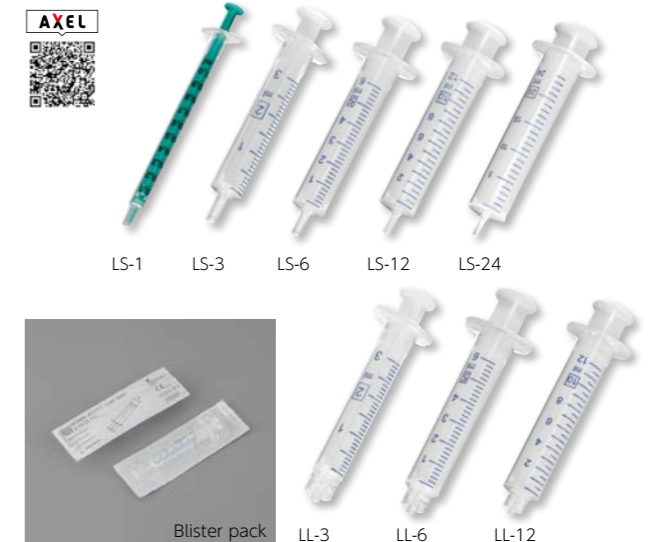
-03 -01 -02

ALL-PLASTIC DISPOSABLE SYRINGE (Individually wrapped and sterilized)

Order No.	Capacity (mL)	Model No.	4-2224 Luer slip		4-2225 Luer lock		Quantity
			Reference Price	Reference Price	Reference Price	Reference Price	
-11	1	LS-1	\$26.4	-	-	-	1 box (100 pcs)
-02	3	LS-3	\$12.1	-	LL-3	\$24.1	
-03	6	LS-6	\$13.6	-	LL-6	\$34.6	
-04	12	LS-12	\$20.3	-	LL-12	\$49	
-05	24	LS-24	\$25.6	-	-	-	
-06	36	LS-36	\$85.1	-	LL-36	\$86.6	1 box (50 pcs)
-07	60	LS-60	\$71.5	-	LL-60	\$71.5	1 box (30 pcs)

The product may not be used for any purpose other than research or experimentation. The product is not a medical device.

- Each product is blister packaged.
- No worries about eluted materials from silicone oil or rubber.
- Specifications
- Materials: Barrel (PP) and piston (PE)
- EOG sterilized
- Free of styrene, DEHP, latex, and silicone oil



LS-1 LS-3 LS-6 LS-12 LS-24



Blister pack

LL-3 LL-6 LL-12

MICRO SYRINGE

Order No.	Capacity (µL)	Standard	Needle outer diameter × length (mm)	Min. scale (µL)	Promotional price
52-0001-56	0.5	No residual liquid	φ0.5 × 78	0.01	\$16.6
52-0001-57	1		φ0.5 × 73	0.02	\$16.6
52-0001-58			φ0.5 × 51		\$29.3
52-0001-59			φ0.5 × 75		\$16.6
52-0001-60			φ0.5 × 51		\$29.3
52-0001-61		φ0.6 × 75	\$16.6		
52-0001-62	5	With residual liquid	φ0.6 × 51	0.1	\$29.3
52-0001-63			0.2	\$9.3	
52-0001-64			0.5	\$9.3	
52-0001-65			1	\$9.3	
52-0001-66			2	\$9.3	
52-0001-67	5	\$31.4	20		
52-0001-68	10	\$35.2			
52-0001-69	1000	\$39.1			

Manufactured with high-quality materials through rigorous manufacturing processes.

- Specifications
- Total Capacity Tolerance: ±5%
- Airtightness: 0.2 MPa



Great Deal

VIOLAMO

AS ONE ORIGINAL



VDP-010 VDP-020



STERILIZED DISPOSABLE TWEEZERS (Individually Wrapped)

Order No.	Model No.	Total Length (mm)	Reference Price
2-6706-01	VDP-010	120	\$9
2-6706-02	VDP-020	130	\$10.5

Disposable pyrogen-free tweezers are convenient for picking samples.

- Specification
- Material : VDP-010 / PS (polystyrene), VDP-020 / ABS (acrylonitrile butadiene styrene resin)
- DNase · RNase · Pyrogen-free
- Sterilized by γ Ray
- Quantity : 1bag (50 individual packs)

220 to 240V

WATER DISTILLING APPARATUS

Order No.	Model No.	Volume of water sampled (L/min)	Size (mm)	Reference Price
1-1895-21-90	WS201	Approx. 2.2	500 × 400 × 974	\$2748.9

- Specifications
- Boiler Material: Stainless steel
- Heater: Pipe heater
- Sampling pure water: Distilled water
- Raw water pressure range: 1 to 3 × 100 kPa
- Tank capacity: 20 L
- Functions: Automatic cooling water adjustment, heater emptying, overheat prevention, and splash entrapment prevention
- Power Supply: 220AC 7A
- Weight: Approx. 30 kg
- Accessories: Water supply/drainage hose, canned stone cleaner, rubber stopper (for distiller cleaning)

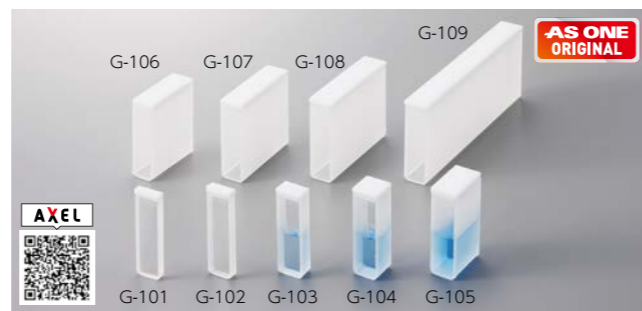




ELECTROPHORESIS APPARATUS

Order No.	Model No.	Dimensions (Electrophoresis Tank / Power) (mm)	Reference Price
1-5484-01	Mupid-exu	183×59.5×56 / 130×59.5×16.5	\$428.9

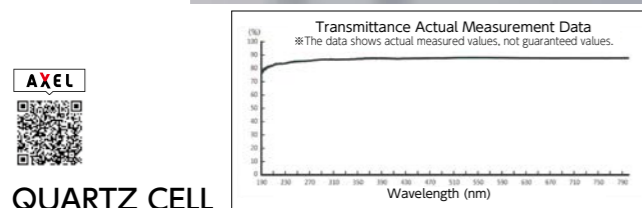
- Directly observe bands on trans-illuminator adopting UV transmitting electrophoresis tank.
- Possible to separate electrophoresis tank from power supply, and wash.
- Possible to make 13 wells or 26 wells with one comb, and pitch corresponds to multi-pipette.
- Possible to set 7 types of voltage.
- Specification**
 - <Electrophoresis Tank>
 - Inner Dimensions : 135×150×47mm
 - Capacity : 300~350mL
 - Material : UV Transmitting Resin
 - <Power supply>
 - Input Voltage : AC100~240V 50/60Hz
 - Output Voltage : 135, 100, 50, 25, 70, 35, 18V
 - Timer Function : Setting from 0~99min·Continuous Electricity
 - Memory Function : Automatically Memorize Last Used Voltage·Timer Setting
 - <Gel tray>
 - Dimensions : Large / 130×122×24mm, Small / 130×59.5×16.5mm
- Accessories**
 - Gel Tray (large) × 1
 - Gel Tray (small) × 2
 - Comb (for making 13 or 26wells) × 4
 - Gel Maker Stand



GLASS CELL (2 Faces·Transparent)

Order No.	Model No.	Dimensions (mm)	Light Path Length x Light Path Width (mm)	Capacity (mL)	Reference Price
1-2871-01	G-101	3.5×12.5×45	1×10	0.35	\$23.3
1-2871-02	G-102	4.5×12.5×45	2×10	0.7	\$21.1
1-2871-03	G-103	7.5×12.5×45	5×10	1.7	\$13.6
1-2871-04	G-104	12.5×12.5×45	10×10	3.5	\$9.8
1-2871-05	G-105	22.5×12.5×45	20×10	7.0	\$15.8
1-2871-06	G-106	32.5×12.5×45	30× 9.5	10.5	\$18.8
1-2871-07	G-107	42.5×12.5×45	40× 9.5	14.0	\$21.1
1-2871-08	G-108	52.5×12.5×45	50× 9.5	17.5	\$24.9
1-2871-09	G-109	102.5×12.5×45	100× 9.5	35.0	\$49.7

- Available for wide range of 340~2500nm.
- Adhesive is not used.
- Specification**
 - Material : Borosilicate Glass



QUARTZ CELL

Order No.	Model No.	Specifications	Optical path length x Optical path width (mm)	Capacity (mL)	Reference Price
1-2901-09	Q-134※	Semi-micro black, two-sided transparent	10 × 3	1	\$142.3
1-2901-01	Q-24※	Micro black, two-sided transparent	10 × 4	1.4	\$79.8
1-2901-08	Q-124※	Micro black, two-sided transparent	10 × 1	0.35	\$149.1
1-2901-02	Q-44※	Two-sided transparent	10 × 2	0.7	\$79.8
1-2902-04	Q-104	Two-sided transparent			\$43.7
1-2901-05	Q-114	Transparent on two sides with a Teflon plug	10×10	3.5	\$137.8
1-2901-03	Q-204	Four-sided transparent			\$106.2
1-2901-04	Q-214	Four-sided transparent with Teflon plug			\$150.6
1-2901-06	Q-244	Micro, two-sided transparent	10 × 2	0.7	\$124.3
1-2901-07	Q-264	Semi-micro, two-sided transparent	10 × 5	1.4	\$124.3

※Q-134, 24, 124, and 44 use adhesives. Solvents cannot be used.

- 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 Q-134, Q-24, Q-124, and Q-44).
- Specifications**
 - Material: Quartz glass
 - Size: 12.5 × 12.5 × 45 mm

ORGANIC SOLVENT PURIFICATION SYSTEM (Glass Contour MINI)

Order No.	Model No.	Reference Price
4-3089-13	GC MINI	\$5422.5
4-3089-14	Column for MINI	\$1355.6

- Price does not include delivery, installation, or assembly charges. Please contact us.
- Prepare high-purity argon gas (G3 grade or higher) or nitrogen gas (99.999%), a regulator for gas pressure adjustment, and solvents.
- Select anhydrous solvent canisters for respective reagent manufacturers or 10-L tanks for other solvents.
- Power supply is not required, but prepare one 3-P 100 V power supply outlet for grounding use.
- 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.
- Specifications**
 - Column Size: φ50 × 395 mm
 - Gas Supply Pressure: Regulated within 0.03 to 0.04 MPa
 - Size: 220 × 240 × 600 mm
 - Weight: Approx. 6.6 kg (excluding gas connection hose)
 - Solvent Outlet: Luer lock (male)
 - Common Set Contents: Main unit (a set of two columns), gas connection hose, column rinse tube, 10-L SUS keg, or coupler kit (selectable from that for Kanto Chemical or Wako Pure Chemical Industries)

pH TEST PAPER

Order No.	Model No.	pH measurement range	Type	Quantity	Promotional price
53-0002-46	pH0-14	0.0~14.0	Roll	1 roll	\$2.7
53-0002-47	pH1-14	1.0~14.0			\$2.7
53-0002-48	pH0.5-5.0	0.5~ 5.0			\$2.9
53-0002-49	pH5.5-9.0	5.5~ 9.0			\$2.9
53-0002-42	pH0-14	0.0~14.0	Stick	1 box (100 sheets)	\$3.1
53-0002-41	pH1-14	1.0~14.0			\$3.1
53-0002-43	pH0.5-5.0	0.5~ 5.0			\$3.9
53-0002-44	pH3.8-5.4	3.8~ 5.4			\$3.9
53-0002-45	pH5.5-9.0	5.5~ 9.0			\$3.9

• A color scale is attached to the case.

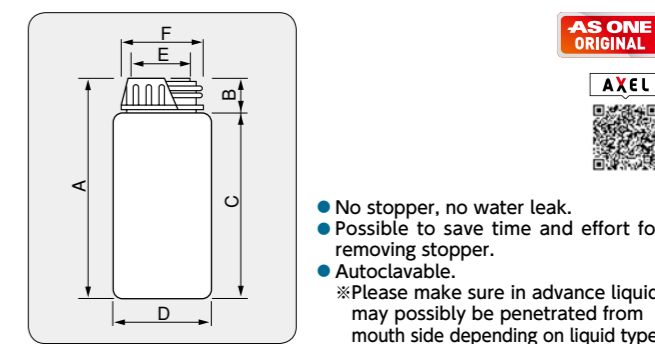
- **Specifications**
 - Case material: Plastic
 - Number of discoloration sections (stick type): Four (for pH 0-14 and 1-14) and two (for others)
 - Size: 7 mm × 5 m (roll type) and 6 × 80 mm (stick type)
 - With cutting edge (roll type only)



PP BOTTLE

Capacity	Quantity	Order No.	5-001 (Narrow-mouth) Reference Price	Order No.	5-002 (Wide-mouth) Reference Price
50mL	1box (100pieces)	-51	\$40.3	-51	\$41.8
100mL		-52	\$49.3	-52	\$62.5
250mL	1box (50pieces)	-53	\$68.5	-53	\$74.6
500mL		-54	\$62.1	-54	\$66.3
1L	1box (20pieces)	-55	\$34.6	-55	\$39.2
2L		-66	\$79.8	-56	\$86.6

※The price is per box.



- No stopper, no water leak.
- Possible to save time and effort for removing stopper.
- Autoclavable.
- ※Please make sure in advance liquid may possibly be penetrated from mouth side depending on liquid type.

- **Specification**
 - Material : Body·Cap / PP (polypropylene)
 - Heat Resistant Temperature : 130°C
 - Autoclave Temperature : 121°C
 - Passed by Water Leak Test
 - Graduated

Capacity	A(mm) (Narrow/Wide)	B(mm) (Narrow/Wide)	C(mm) (Narrow/Wide)	D(mm) (Narrow/Wide)	E(mm) (Narrow/Wide)	F(mm) (Narrow/Wide)
5 0 m L	76 / 77	16 / 20	56 / 55	40 / 40	11 / 25	26 / 40
1 0 0 m L	100 / 98	20 / 20	76 / 76	47 / 47	16 / 25	33 / 40
2 5 0 m L	133 / 130	20 / 22	109 / 106	62 / 62	16 / 32	33 / 50
5 0 0 m L	167 / 162	22 / 22	141 / 138	76 / 76	20 / 42	40 / 61
1 L	203 / 198	22 / 22	177 / 174	95 / 92	20 / 48	40 / 67
2 L	244 / 243	22 / 30	218 / 210	120 / 120	42 / 65	61 / 91

PP BOTTLE (Transparent)

Capacity	Mouth I.D. (Body Dia.) x Bottle Height (Total Height) (mm)	Unit Division (mL)	Order No.	4-5633 (Clear) Reference Price	Order No.	1-7680 (Amber) Reference Price
100mL	φ31.5 (φ 50) × 93 (96)	10	-01	\$0.8	-02	\$0.9
250mL	φ31.5 (φ 63) × 128 (131)	25	-02	\$0.9	-03	\$1
500mL	φ45 (φ 77) × 158 (161)	50	-03	\$1.6	-04	\$1.7
1L	φ45 (φ 96) × 195 (198)	100	-04	\$2.3	-05	\$2.3
2L	φ92 (φ 120) × 248 (253)	200	-06	\$5.2	-06	\$5.3

※The price is per bottle.

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



- **Specification**
 - Material : Body·Lid / PP (polypropylene)
 - Heat Resistant Temperature : Clear / 98°C, Amber / 96°C
- **Quantity per Case**
 - 100-250mL / 200pieces, 500mL / 100pieces, 1000mL / 50pieces, 2000mL / 36pieces

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	Beautiful luster and good impact resistance
PS	The transparency is rigid and the organic solvent resistance is weak.	PMMA	Colorless, transparent, glossy, 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.



Bottles and Containers

PFA BOTTLE(Teflon®)

Order No.	Model No.	Mouth inner diameter × Cap outer diameter × Body diameter × Overall height (mm)	Reference Price
4-5342-01	Narrow mouth: 100 mL	φ13.95×φ30×φ46.3×96.5	\$15.1
4-5342-02	Narrow mouth: 250 mL	φ14 ×φ30×φ59.7×133	\$21.1
4-5342-03	Narrow mouth: 500 mL	φ22.4 ×φ40×φ77 ×158	\$32.4
4-5342-04	Narrow mouth: 1000 mL	φ21.35×φ40×φ93.4×204	\$69.3
4-5342-09	Wide mouth: 50 mL	φ27 ×φ40×φ46.3×70.5	\$16.6
4-5342-05	Wide mouth: 100 mL	φ28 ×φ40×φ46.2×97	\$24.1
4-5342-06	Wide mouth: 250 mL	φ35.1 ×φ50×φ59.8×135.5	\$34.6
4-5342-07	Wide mouth: 500 mL	φ44.15×φ60×φ77.5×158	\$47.4
4-5342-08	Wide mouth: 1000 mL	φ43.8 ×φ60×φ94 ×203	\$74.6



All leakage and visual inspections are performed!

AS ONE ORIGINAL

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)	O.D.×Height (mm)	Reference Price
7-182-03	2	φ126×240	\$371.3
7-182-01	3	φ148×270	\$466.2
7-182-02	5	φ172×318	\$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 (fluororesin), Inner Cap/PTFE (fluororesin)
- Heat Resistant Temperature of Resin : 260°C
- Graduated



POLYETHYLENE BOTTLE(Wide Mouth)

Order No.	Capacity (L)	Mouth I.D.×Body Dia.× Height (mm)	Reference Price
5-011-01	2	φ75 ×φ126 ×244	\$4
5-011-02	3	φ74.5×φ145 ×269	\$5.1
5-011-03	5	φ74 ×φ174.5×306	\$7.8
5-011-04	10	φ96.7×φ217 ×389	\$13.4
5-011-05	20	φ96 ×φ304 ×432	\$19.9
5-011-06	30	φ97 ×φ305 ×572	\$41.1

AS ONE ORIGINAL

Specification

- Material : Body·Outer Lid/HDPE (high density polyethylene), Inner Cap/LDPE (low density polyethylene)

Quantity per Case

- 2·3·5L/10pieces, 10L/8pieces, 20L/3pieces, 30L/1piece



WIDE-MOUTH BOTTLE (made of HDPE)

Order No.		1-4658				
Capacity	Mouth I.D.×Body Dia.× Overall height (mm)	Order No.	Reference Price (1 piece)	Case Quantity	Order No.	Reference Price (case)
20mL	φ21.0×φ32×49	-11	\$0.4	1 box (200 pieces)	-71	\$70.8
50mL	φ25.8×φ38×82.5	-12	\$0.4	1 box (100 pieces)	-72	\$37.3
100mL	φ33.8×φ50×93	-13	\$0.5	1 box (100 pieces)	-73	\$42.2
250mL	φ33.8×φ63×128	-14	\$0.6	1 box (50 pieces)	-74	\$51.2
500mL	φ54.0×φ77×158	-15	\$1.4	1 box (50 pieces)	-75	\$61
1L	φ54.0×φ96×195	-16	\$1.8	1 box (50 pieces)	-76	\$81.3

AS ONE ORIGINAL

Specification

- Material : Body/HDPE,Cap/PP



NARROW-MOUTH BOTTLE (with internal cap)

Order No.		1-4657				
Capacity	Mouth I.D.×Body Dia.× Overall height (mm)	Order No.	Reference Price (1 piece)	Case Quantity	Order No.	Reference Price (case)
30mL	φ12 ×φ33.3×64	-01	\$0.4	1 box (200 pieces)	-61	\$75.3
50mL	φ12 ×φ40 ×77	-02	\$0.4	1 box (100 pieces)	-62	\$36.9
100mL	φ17.3×φ48 ×96.5	-03	\$0.5	1 box (100 pieces)	-63	\$47.4
250mL	φ17.3×φ62 ×125	-04	\$0.7	1 box (50 pieces)	-64	\$65.5
500mL	φ22.4×φ80 ×164	-05	\$1.2	1 box (50 pieces)	-65	\$55.7
1L	φ22.5×φ97.5×202	-06	\$1.7	1 box (50 pieces)	-66	\$73.1

AS ONE ORIGINAL

Specification

- Material : Body-external cap/HDPE (high density polyethylene), Internal cap/LDPE (low density polyethylene)

WIDE MOUTH BOTTLE (HDPE·Light-Shielding)

Order No.	Capacity	Mouth I.D.×Body Dia.×Height (mm)	Reference Price
2-5077-01	100mL	φ35.5×φ47.5×92	\$0.7
2-5077-02	250mL	φ29.5×φ63.5×124	\$0.8
2-5077-03	500mL	φ41.5×φ80 ×157.5	\$1.4
2-5077-04	1L	φ41.5×φ98 ×196.5	\$1.8
2-5077-05	2L	φ85 ×φ125 ×250	\$4.1
2-5077-06	3L	φ85 ×φ145.5×298.5	\$5.8
2-5077-07	5L	φ85 ×φ169.5×319	\$8.7

AS ONE ORIGINAL

Specification

- Material : Body/HDPE (high density polyethylene), Cap/PP (polypropylene), Inner Cap/LLDPE (linear low density polyethylene)

Quantity per Case

- 100mL/200pieces, 250mL/160pieces, 500mL/75pieces, 1L/40pieces, 2~5L/36pieces



PFA VESSEL

Order No.	Model No.	Capacity (mL)	Body I.D.×Body O.D.×Height (mm)	Reference Price
1-1618-01	PFAS10	10	φ25×φ29×32	\$14.7
1-1618-02	PFAS20	20	φ25×φ29×52	\$18.5
1-1618-03	PFAS30	30	φ25×φ29×72	\$20
1-1618-04	PFAS50	50	φ50×φ56×38	\$26.4
1-1618-05	PFAS100	100	φ50×φ56×63	\$31.3
1-1618-06	PFAS200	200	φ50×φ56×113	\$43.7

AS ONE ORIGINAL

Specification

- Product has resistance to acid, alkali, organic solvent, and erosive medical products, and does not react.
- Allows regular use under temperature of -196~+250°C.

Quantity per Case

- Material : Body/PFA (fluororesin)



PE OINTMENT BOTTLE

Order No.	Capacity	Mouth O.D.×Mouth I.D.× Body Dia.×Height (mm)	Reference Price
1-4637-01	100mL	φ47.0×φ42.0×φ56.4×62.5	\$0.9
1-4637-02	200mL	φ62.2×φ49.8×φ68.9×69.0	\$1.3
1-4637-03	300mL	φ61.5×φ53.2×φ68.5×100.0	\$1.4
1-4637-04	500mL	φ80.9×φ72.4×φ87.9×109.7	\$2
1-4637-05	1L	φ80.9×φ72.5×φ90.0×188.0	\$2.8
1-4637-06	2L	φ115.0×φ103.9×φ126.0×195.0	\$6.3

AS ONE ORIGINAL

Specification

- Material : Body·Lid/HDPE (high density polyethylene), Packing/LDPE (low density polyethylene)

Quantity per Case

Capacity	100mL	200mL	300mL	500mL	1L	2L
Quantity	400pcs.	240pcs.	192pcs.	120pcs.	60pcs.	24pcs.



FLAT BOTTLE (with Stopcock)

Order No.	Capacity (L)	Dimensions (mm)	Reference Price
4-5335-01	10	320×142×332	\$21.7
4-5335-02	20	345×180×435	\$27.7
4-5330-01		Screw Stopcock	\$5.4

AS ONE ORIGINAL

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.

Quantity per Case

- Material : Body/PE (polyethylene), Stopcock/PP (polypropylene), O-Ring Packing/Seal Packing/EPDM (ethylene propylene rubber)
- Stopcock Tip Size : I.D./φ8.5mm, O.D./φ12mm



SQUARE BOTTLE

Order No.	Capacity (L)	Dimensions (mm)	Reference Price
4-5331-01	3	60×250×350	\$6.9
4-5331-02	5	95×250×350	\$9.1
4-5331-03	10	175×250×350	\$13
4-5332-01	3(With Stopcock)	60×250×350	\$10.8
4-5332-02	5(With Stopcock)	95×250×350	\$12.6
4-5332-03	10(With Stopcock)	175×250×350	\$16.5
4-5330-01		Screw Stopcock	\$5.4

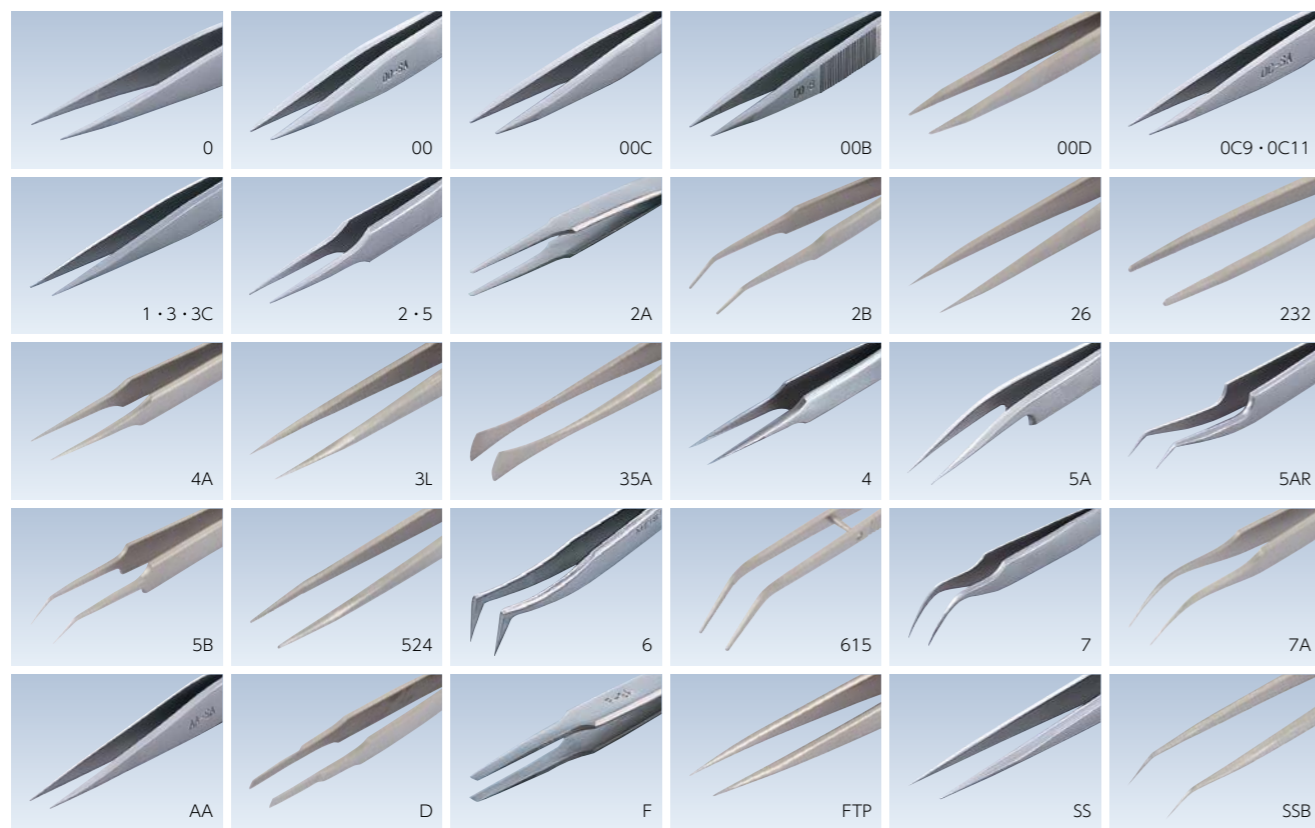
AS ONE ORIGINAL

Specification

- These products are equipped with both horizontal and vertical handles to carry.
- Inverse scale clearly indicates residual liquid quantity.
- Material : Body·Stopcock/PP (polypropylene), Cap/HDPE (high density polyethylene), O-Ring/EPDM (ethylene propylene rubber)
- Stopcock Size : O.D./φ40mm, Screw Dia./φ42.4mm, Tip I.D./φ8.5mm, Tip O.D./φ12mm
- Graduation : 500mL
- Mouth I.D. : φ43mm

Laboratory Related Tools and Fixtures

Swiss made high-grade tweezers!



MEISTER TWEEZERS

Order No.	Material	2-8028	3-1611	4-4299	2-5149	3-9819
		SA (acid-resisting steel)	SA (acid-resisting steel), grip type	SA (acid-resisting steel), fine-processing type	AXAL (strong durable type)	TNF (titanium)
Model No.	Overall height (mm)	Reference Price				
-01	0	\$32.4	\$33.9	\$40.7	\$64	\$57.2
-02	00	\$33.1	-	\$41.4	-	\$67.8
-03	00C	\$33.1	-	-	-	\$49
-04	00B	\$39.2	\$45.2	-	-	\$56.5
-35	00D	\$45.2	-	-	-	-
-05	0C9	\$32.4	\$33.9	-	-	\$52
-06	0C11	\$32.4	\$33.9	-	\$61.8	\$52
-07	1	\$30.1	\$32.4	\$38.4	\$67.8	\$51.2
-27	2	\$51.2	-	-	-	-
-08	2A	\$32.4	\$37.7	-	\$68.5	\$59.5
-09	2A	\$30.9	\$36.9	\$39.9	\$77.6	\$59.5
-36	2B	\$49.7	-	-	-	-
-31	26	\$38.4	-	-	-	-
-32	232	\$43.7	-	-	-	-
-10	3	\$32.4	-	\$40.7	\$70.8	\$57.2
-11	3C	\$32.4	\$36.2	\$40.7	\$70.8	\$57.2
-38	4A	\$42.9	-	-	-	-
-39	3L	\$67.8	-	-	-	-
-37	35A	\$46.7	-	-	-	-
-12	4	\$33.1	\$37.7	-	\$81.3	\$64
-13	5	\$37.7	\$41.4	\$45.9	\$70	\$65.5
-14	5A	\$37.7	\$41.4	\$45.9	\$102.4	\$65.5
-15	5AR	\$45.2	\$52	-	\$88.1	\$66.3
-40	5B	\$51.2	-	-	-	-
-33	524	\$39.9	-	-	-	-
-16	6	\$34.6	\$44.4	-	\$90.4	\$58
-34	615	\$48.2	-	-	-	-
-17	7	\$44.4	\$46.7	\$49	\$81.3	\$66.3
-41	7A	\$44.4	-	-	\$81.3	-
-18	7B	\$44.4	\$46.7	-	\$89.6	\$60.3
-19	AA	\$23.3	\$30.9	-	-	\$46.7
-42	D	\$52	-	-	-	-
-20	F	\$41.4	\$47.4	-	\$70.8	\$50.5
-43	FTP	\$63.3	-	-	-	-
-21	SS	\$32.4	\$33.9	\$40.7	\$70.8	\$55
-44	SSB	\$43.7	-	-	-	-

*1 Heat resistance temperature is an estimated temperature up to which the material does not change in quality.

- <SA (acid-resisting steel)>
 - The products are made of acid resistant, non-magnetic stainless steel (SUS316L).
 - The heat resistance temperature¹ is approx. 500°C.
- <SA (acid-resisting 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 temperature¹: 140°C) is applied to the grip.
- <SA (acid-resisting 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.
- <AXAL (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 temperature¹ is -269°C to 500°C.
- <TNF (titanium)>
 - The products are made of titanium IMI-125 (TitanGrade2).
 - The tweezers do not magnetize.
 - The heat resistance temperature¹ is approx. 800°C.
 - The material is highly resistant to acids.

STAINLESS STEEL TWEEZERS

Order No.	Model No.	Material	Reference Price
6-531-13	115 mm	SUS430	\$1.1
6-531-01	125 mm		\$1.5
6-531-02	150 mm		\$2.1
6-531-03	180 mm		\$2.6
6-531-04	210 mm	SUS410	\$6.6
6-531-05	240 mm		\$8.7
6-531-06	300 mm	SUS430	\$11.3
6-531-14	360 mm		\$46.7
6-531-15	450 mm	SUS420J2	\$82.8
6-531-07	Dentistry Straight 165 mm		\$11.7
6-531-08	Dentistry Bent 160 mm	\$14.5	
6-531-10	AA 125 mm	SUS430	\$1.6
6-531-11	AA 150 mm		\$2.3
6-531-12	Deck 125 mm		\$1.5
6-531-16	Flat Type 125 mm		\$1.4
6-531-17	Flat Type 150 mm	SUS410	\$1.9
6-531-18	115 Bent Tip		\$1.7
6-531-19	125 Bent Tip	SUS430	\$2
6-531-20	180 Bent Tip		\$2.9
6-531-21	210 Bent Tip	SUS410	\$7.8
6-531-22	240 Bent Tip		\$9.9
6-531-23	300 Bent Tip	SUS430	\$12.1
6-531-24	AA125 Bent Tip		\$1.8
6-531-25	AA150 Bent Tip	\$2.1	
6-531-26	150 Bent Tip	\$2.3	



TWEEZERS (Conductive, Acid Resistance, and Nonmagnetic Type)

Order No.	Model No.	Type	Length (mm)	Reference Price
9-5681-01	NK2A	Round Tip	120	\$20.3
9-5681-02	NK6	Curved Tip		\$20.3
9-5681-03	NK7	Sharp Thin		\$20.3
9-5681-04	NKR	Flat Tip		\$20.3
9-5681-05	NK35A	Round Flat Type		\$20.3

- These nonmagnetic tips are excellent in conductivity and acid resistance.
- Hard tip fits for fine works.
- Specification
 - Material : Antistatic Polyamide Resin (vestamid®), Containing 20% of Glass Reinforcing Materials.



SILICONE SPATULA

Order No.	Model No.	Color	Size (mm)	Reference Price
3-6154-01	Spatula XL	Red	390x130	\$47.4
3-6154-02		Blue		\$47.4
3-6154-03		Green		\$47.4
5-5003-05	Spatula L	White	210x120	\$66.5
3-6155-01		Red		\$33.9
3-6155-02		Blue		\$33.9
3-6155-03	Spatula M	Green	200x 90	\$33.9
5-5003-04		White		\$43.5
3-6156-01		Red		\$26.4
3-6156-02	Spatula S	Blue	260x 55	\$26.4
3-6156-03		Green		\$26.4
3-6156-04		White		\$26.4
3-6157-01	Spatula S	Red	260x 55	\$17.6
3-6157-02		Blue		\$17.6
3-6157-03		Green		\$17.6
5-5003-03	Spatula S	White	260x 55	\$20.9
5-5003-03		White		\$20.9



- Resistant to acid and alkali detergent, etc. Does not deform or discolor due to oil, etc.
- Color-coded according to specifications and application/use to prevent contamination.
- Specification
 - Material : Silicone Resin
 - Usable Temperature : -20~+230°C

MICRO SPATULA

Order No.	Size (mm)	Type	Quantity	Reference Price
9-891-01	180	Flat	1bag (11pieces)	\$17.3
9-891-02	150			\$12.8
9-891-03	180	Round·Thin		\$17.3
9-891-04	210			\$21.1
9-891-05	240	Round·Thick		\$52.7
9-891-06	180			\$30.9

- Specification
 - Material : Stainless Steel (SUS304)



Laboratory Related Tools and Fixtures

SILICONE OIL

Order No.	Model No.	Type	Usable temperature (°C)	Viscosity (cSt)	Reference Price
1-8934-01	KF-96-50CS	Mold release agent		50	\$36.7
1-8934-02	KF96-1-100	Lubrication for sliding parts	200	100	\$34.6
1-8934-03	KF96-1-300	Glazing		300	\$36.7
1-8934-14	KF965-1-100	For high temperature (closed system)	-50~		\$126.5
1-8934-15	KF968-1-100	For high temperature (open system)	+250	100	\$105.2
1-8934-06	KF-96-500CS	Mold release agent	-50~	500	\$34.6
1-8934-07	KF-96-1000CS		+200	1000	\$34.6

- <KF-96-50CS·KF96-1-100·KF96-1-300>
- Features outstanding heat, cold, and chemical resistance.
 - Viscosity remains almost unchanged in wide temperature range. Excellent in electric insulation properties.
- <KF-965-1-100>
- Suited to heat medium oil for closed systems.
- <KF-968-1-100>
- Suited to heat medium oil for open systems.
- <KF-96-500CS·KF-96-1000CS>
- Suited to mold release agent, lubricant, and deforming agent.



- Specification
- Internal capacity: 1kg
 - Flash point: KF-96-50CS/310°C or higher, KF96-1-100/315°C, KF96-1-300/315°C, KF-965-1-100·KF-968-1-100·KF-96-500CS·KF-96-1000CS/315°C or higher

Peelable colored label at an affordable price!

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COLORFUL PAPER LABEL

Order No.	Model No.	Color	Label Size (mm)	Quantity	Reference Price
4-2746-01	BCL-WH	White	13 × 30	1 roll (1000 pieces)	\$11.3
4-2746-02	BCL-YE	Yellow			\$11.3
4-2746-03	BCL-OR	Orange			\$11.3
4-2746-04	BCL-GR	Light green			\$11.3
4-2746-05	BCL-BL	Blue			\$11.3
4-2746-06	BCL-PI	Pink			\$11.3
4-2746-07	BCL-RE	Red			\$11.3
4-2746-11	BCL-7C	7-color set		1 set (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 Inner Diameter: φ25 mm
 - Operating Temperature Range: -20 to +80°C



P CUT TAPE

Order No.	Model No.	Color	Core Material	Width × Thickness × Length	Reference Price
1-9211-03	4140	Vivid green	Paper	50mm × 0.155mm × 25 m	\$3.5
1-9211-01			Plastic	50mm × 0.155mm × 50 m	\$8.5
1-9211-04			Paper	75mm × 0.155mm × 25 m	\$5.3
1-9211-05			Paper	100mm × 0.155mm × 25 m	\$7
1-9211-06	4140	Transparent	Paper	50mm × 0.155mm × 25 m	\$3.5
1-9211-02			Plastic	50mm × 0.155mm × 50 m	\$8.5
1-9211-07			Paper	75mm × 0.155mm × 25 m	\$5.3
1-9211-08			Paper	100mm × 0.155mm × 25 m	\$7

- 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)

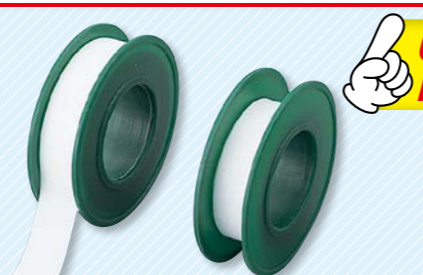


DURABLE COLOR TAPE

Order No.	53-0001					
Width	12.7mm		19mm		25.4mm	
Color	Order No.	Promotional price	Order No.	Promotional price	Order No.	Promotional price
White	-83	\$2.8	-76	\$4.1	-69	\$5.3
Yellow	-84	\$2.8	-77	\$4.1	-70	\$5.3
Green	-85	\$2.8	-78	\$4.1	-71	\$5.3
Red	-86	\$2.8	-79	\$4.1	-72	\$5.3
Orange	-87	\$2.8	-80	\$4.1	-73	\$5.3
Blue	-	-	-81	\$4.1	-74	\$5.3
Pink	-	-	-82	\$4.1	-75	\$5.3

- 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: -23 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.	Width × Length	Thickness (mm)	Quantity	Promotional price
53-0001-68	13 mm × 15 m	0.1	1 bag (2 pieces)	\$2.6

※Price per bag

- 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: 1.0 g/cm³

- Quantity per case
- 2 pieces/bag × 8 bags

PTFE TAPE

Order No.	Thickness (mm)	1-4784	1-4785	1-4786
	Width × Length	0.08	0.13	0.18
-01	13mm×10m	\$11.2	\$12.8	\$15.8
-02	19mm×10m	\$16.6	\$18.1	\$21.8
-03	25mm×10m	\$21.8	\$23.3	\$29.4

- 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 × Length	Reference Price
6-711-01	PM996	4"(10 cm) × 125 ft (38 m)	\$31.3
6-711-02	PM992	2"(5 cm) × 250 ft (75 m)	\$33.9
6-711-03	PM998	20"(50 cm) × 50 ft (15 m)	\$108.5
6-711-51	4"125Ft × 12pcs	4"(10 cm) × 125 ft (38 m)	\$361.5
6-711-52	2" 250Ft × 24pcs	2"(5 cm) × 250 ft (75 m)	\$777.2

※Price per piece

- Specification
- Material: Paraffin ● Operating Temperature Range: 7 to 32°C
- Quantity per case
- 6 pieces for PM998, 12 pieces for PM996, and 24 pieces for PM992

PROWIPE Soft Wiper

Order No. 2-1618-01-02

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



KIMWIPES

Order No.	Model No.	Product Name	Quantity	Reference Price
6-6689-01	62011		1 case (200 sheets/box × 72 boxes)	\$103
6-6689-05	62020	S-200	1 case (200 sheets/box × 36 boxes)	\$51.5
6-6689-06	62015	S-200 mini	1 case (200 sheets/box × 72 boxes)	\$86.8
62-8149-36	62025	S-250	1 case (250 sheets/box × 72 boxes)	\$103
6-6689-02	62001	L-100	1 case (100 sheets/box × 18 boxes)	\$96.2
6-6689-03	62030	M-150	1 case (150 sheets/box × 36 boxes)	\$73.2
6-6689-11	04470		Dispenser for S-200	\$39.2

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

- Specification
- Material: Pulp 100%
 - Sheet Size: 120 × 215 mm for 62011/62020, 96 × 215 mm for 62015, 112 × 215 mm for 62025, 470 × 425 mm for 62001, and 225 × 210 mm for 62030

- <Dispenser for S-200>
- Material: PVC (polyvinyl chloride) ● Size: 136 × 98 × 126 mm
 - Applicable Wipes: Kimwipes S-200, S-200 mini
 - Accessories: Double-sided tape × 4 sheets, Magnet × 5 sheets



Application example of Dispenser for S-200

Laboratory Related Tools and Fixtures

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DISPENSER (For PARAFILM®)

Order No.	Specification	Reference Price
6-716-01	160×211×185mm	\$73.8
6-716-02	Replacement Blade	\$3.8

- Finely cut only by moving cutter along with guide rail.
- Cutter can be used in 360° and maintains smooth sharpness.

- Specification
- Material : PVC (polyvinyl chloride)

Laboratory Related Tools and Fixtures



KIMTOWEL WIPER

Order No.	Model No.	Type	Size (mm)	Quantity	Reference Price
6-6685-01	61001	Folded in four, four plies	380 × 330	1 case (50 sheets/bundle × 24 bundles)	\$85
6-6685-07	61050	EF folded in four, four plies			\$85
6-6685-08	61075	Folded in four, six plies			\$83.1
6-6685-09	61060	EF folded in four, two plies			\$118.1
6-6685-10	61202	Half, folded in two			\$101.2
6-6685-02	61410	Pop-up (triple)	380 × 580	1 case (300 sheets/box × 2 boxes)	\$92.6
6-6685-03	61440	Small pop-up single	190 × 320	1 case (150 sheets/box × 8 boxes)	\$59
6-6685-04	61420	Pop-up single	380 × 320	1 case (150 sheets/box × 4 boxes)	\$51.2
6-6685-06	61540	Jumbo roll 1000	380 × 305	1 case (1000 sheets/roll × 1 roll)	\$87.4
1-4980-01	04700	Jumbo roll floor stand	568 × 80 × 905	1 unit	\$131

- Absorb quickly and certainly dirt like a large amount of water or oil. ● 61440/61420: With a handle for portability. ● 61540: Roll type with perforations.
- Specification
- Material: Pulp and recycled pulp for 61050/61060 and pulp 100% for others

WIPER (JKWIPES®)

Order No.	Model No.	Type	Sheet Size (mm)	Reference Price
6-6688-01	62301	150-S	225×215	\$73.2
6-6688-02	62311	100-S	470×425	\$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: 62301/1 case (150sheets/box × 36boxes), 62311/1 case (100sheets/box × 18boxes)



WIPER (Wypall®)

Order No.	Model No.	Type	Dimensions (mm)	Quantity	Reference Price
5-5643-31	60585 (X80)	Folded in four	339×320	1 case (50sheets/bag×12 bags)	\$117.5
6-7388-11	60575 (X70)		335×343	1 case (50sheets/bag×18 bags)	\$135.6
6-7388-14	60375 (X70)	Folded in six	340×490	1 case (50sheets/bag×12 bags)	\$122
5-5643-23	60262 (X80)	Jumbo Roll	315×310	1 case (475cuts/roll×1)	\$119.3
6-7388-23	60233 (X70)			1 case (870cuts/roll×1)	\$134.2
1-4980-01	04700	Jumbo Roll Floor Stand	568×80 × 905	1 unit	\$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.
- X80 is thicker type.
- Specification
- Material: Pulp + Polypropylene Non-woven Fabric



BARRIER BAG

Order No.	Model No.	Zipper Bottom×Width + Bottom Width (mm)	Thickness	Quantity	Reference Price
1-6541-01	AL-9	115× 90+28	0.11mm	1bag (50sheets)	\$9.8
1-6541-02	AL-10	160×100+30			\$12.5
5-5323-11	AL-11	170×110+33			\$14.3
1-6541-03	AL-12	180×120+35			\$16
5-5323-12	AL-13	190×130+37			\$18.4
1-6541-04	AL-14	200×140+41			\$20.5
5-5323-13	AL-15	210×150+45			\$22.8
5-5323-05	AL-16	230×160+47			\$25.8
5-5323-06	AL-18	260×180+53			\$32.7
5-5323-07	AL-20	280×200+58			\$38.9
5-5323-08	AL-22	300×220+64	\$46.8		
5-5323-14	AL-24	340×240+70	\$57.9		
1-6541-05	AL-30L	420×300+60	0.15mm	1bag (25sheets)	\$39.2
1-6541-06	AL-34L	480×340+60			\$48.3



- It stands itself, and excels in light blocking effect and seal-up.
- It has excellent barrier effect, which avoid passing liquid and oxygen, by 5-layers film.
- Specification
- Material: 5-layers/PET·SPE·AL·SPE·PE
- Physical Properties: Vapor Permeability/0.1~0.29 g/30days, Oxygen Permeation/Less than 1.0ml/mf (24h atm)
- Usable Temperature Range: -40~+90°C

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

ZIPPER PACK

Order No.	Model No.	Thickness (mm)	Width× Bottom of Zipper (mm)	Quantity	Reference Price
6-633-26	S-4	0.04	40× 55	1bag (300sheets)	\$6.4
6-633-11	K-4		280×400		\$12.8
6-633-12	L-4		340×480		\$17.4
6-633-23	SL-4		400×560		\$29
6-633-18	F-8		120×170		\$7.8
6-633-19	G-8	0.08	140×200	1bag (100sheets)	\$9.9
6-633-20	H-8		170×240		\$13.2
6-633-21	I-8		200×280		\$17
6-633-22	J-8		240×340		\$21
6-633-24	K-8		280×400		\$28.1
6-633-25	L-8	340×480	\$39.5		
6-633-51	A-4	0.04	50× 70	1bag (100sheets)	\$2.5
6-633-52	B-4		60× 85		\$2.6
6-633-53	C-4		70×100		\$2.7
6-633-54	D-4		85×120		\$2.9
6-633-55	E-4		100×140		\$3.3
6-633-56	F-4		120×170		\$4.2
6-633-57	G-4		140×200		\$5.0
6-633-58	H-4		170×240		\$6.6
6-633-59	I-4		200×280		\$8.4



Order No.	Model No.	Thickness (mm)	Width× Bottom of Zipper (mm)	Quantity	Reference Price
6-633-60	J-4	0.08	240×340	1bag (100sheets)	\$9.9
6-633-63	A-8		50× 70		\$3.7
6-633-64	B-8		60× 85		\$3.9
6-633-65	C-8		70×100		\$4.4
6-633-66	D-8		85×120		\$4.9
6-633-67	E-8		100×140		\$6.1

*We have a variety of sizes, so please ask us.

- Specification
- Material: PE (polyethylene)

VACUUM SEALER

Order No.	Model No.	Seal Dimensions (mm)	Body Dimensions (mm)	Reference Price
6-9824-11	V301	10(5)×300	400×420×228	\$1385.8
6-9824-12	V301-10WK	10×300		\$1644.8

- High temperature sealing machine designed for thick aluminum film (max. 230°C or more).
- Vertical heating type V301-10WK is suitable for thick gas barrier film, gusset bag, antistatic film.
- High-speed type of 18L/min discharge rate.
- Seal width is switchable 5mm and 10mm
- Specification
- Ultimate Vacuum: -58.6kPa
- Sealing Method: V301/Single-side Lower Heating Under, V301-10WK/Upper/Lower Side Heating
- Sealing Capability: V301/0.4mm or less/2sheets, V301-10WK/0.5mm or less/2sheets
- Power Supply: V301/AC100V 50/60Hz 1050(560)W, V301-10WK/AC100V 50/60Hz 1050W (*figures inside are time of heating of 5mm width seal)
- Power Cord Length: 3m (2P plug)
- Weight: V301/12kg, V301-10WK/12.7kg
- Braid Heater adopted (V301-10WK only)



TRIPLE TIMER

Order No.	Model No.	Maximum Setting Time	Minimum Setting Time	Reference Price
4-1199-01	5020-0377	19 hours, 59 minutes, 59 seconds	1 second	\$21.1
4-1199-01-20		With a calibration certificate		\$66.3

- *The product with a calibration certificate is an original AS ONE service.
- Simultaneous start/stop is possible with three independent timers.
- It can display the current time.
- It has a count-up function and can be used for applications such as stopwatches.
- Specification
- Size: 71 × 88 × 24 mm
- Power Supply: AAA dry cell battery × 1



SCREW REMOVAL PLIERS (Neji-Saurus GT)

Order No.	Model No.	Overall height (mm)	Screw Head Grip Jaws (mm)	Weight (g)	Reference Price
2-586-03	PZ-58	160	φ3 to φ9.5	130	\$22.4

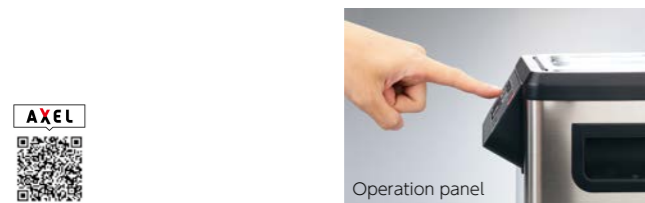
- The jaws with vertical serrations grip a screw head. This allows the screw to turn even in confined areas.
- The pliers can be used even for stripped or rusted screws.
- Specification
- Material: Steel (S58C)
- Tip Hardness: HRC58±2
- Cutting Capability: Copper wire φ 1.2 mm

Cleaning and Sterilization

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

AS ONE ORIGINAL

100V



ULTRASONIC CLEANER (Single Frequency)

Order No.	Model No.	Outer Dimensions (mm)	Inner Dimensions (mm)	Bath Capacity (L)	Reference Price
3-6746-01	MCS-2	215×235×230	150×140×100	2	\$316.3
3-6746-02	MCS-3	300×235×230	240×140×100	3	\$482
3-6746-03	MCS-6	360×250×310	300×155×150	6	\$783.3
3-6746-04	MCS-10	365×340×310	300×240×150	10	\$1016.7
3-6746-05	MCS-13	395×400×310	330×300×150	13	\$1189.9
3-6746-06	MCS-20	570×400×330	500×300×150	20	\$1566.5
3-6746-07	MCS-27	570×400×380	500×300×200	27	\$1845.2

*The inside dimension of the tank is the opening dimension. Bottom dimension (smooth part) is a little smaller.

Specification

- Material : Body / Stainless Steel (SUS201) , Bath / Stainless Steel (SUS304)
- Oscillator Circuit : Automatic Oscillation Method
- Oscillator : BLT (bolted langevin)
- Oscillation Frequency : Single Frequency / 40kHz
- Power Supply : AC100V 50/60Hz (3P plug 2m)
- Additional Function : Heater Function (setting range : normal temperature ~ 80°C / 1°C unit) Timer Function (setting range : 1 ~ 99 minutes / 1 minute unit) , Degas Function
- Safety Function : Overcurrent Prevention, Heater Overheat Prevention
- Waste Plug : Manual Draining Valve (6L 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.
- Since frequency automatic alternate operation function is attached, finer cleaning is possible without trouble.

Specifications

Model No.	MCS-2	MCS-3	MCS-6	MCS-10	MCS-13	MCS-20	MCS-27	MCD-2	MCD-3	MCD-6	MCD-10	MCD-13	MCD-20	MCD-27
Bath Capacity	approx.2L	approx.3L	approx.6L	approx.10L	approx.13L	approx.20L	approx.27L	approx.2L	approx.3L	approx.6L	approx.10L	approx.13L	approx.20L	approx.27L
Material	Body / Stainless Steel (SUS201) · PP (polypropylene) , Bath / Stainless Steel (SUS304)													
Display	LCD (liquid crystal)													
Oscillation Circuit	Self Oscillation Method													
Transducer	BLT (bolt-clamped langevin)													
Output	55W	100W	150W	200W	300W	400W	500W	55W	100W	150W	200W	300W	400W	500W
Oscillatory Frequency	40kHz													
Power Supply / Power Cord	AC100V 50/60Hz / 1.8m (3P plug)													
Switch Frequency	33/40kHz 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 Overheating Prevention · Overload Protection													
Drainage	Manual Drainage Valve													
Accessories	Washing Basket × 1 piece, Lid (SUS201) × 1 piece, Hose Nipple × 1 piece													
Weight	approx.3.4kg	approx.4kg	approx.7kg	approx.9kg	approx.12kg	approx.16kg	approx.18kg	approx.3.4kg	approx.4kg	approx.7kg	approx.9kg	approx.12kg	approx.16kg	approx.18kg

ULTRASONIC CLEANER (Dual Frequency)

Order No.	Model No.	Outer Dimensions (mm)	Inner Dimensions (mm)	Bath Capacity (L)	Reference Price
3-6747-01	MCD-2	215×235×230	150×140×100	2	\$451.9
3-6747-02	MCD-3	300×235×230	240×140×100	3	\$677.8
3-6747-03	MCD-6	360×250×310	300×155×150	6	\$1009.2
3-6747-04	MCD-10	365×340×310	300×240×150	10	\$1242.7
3-6747-05	MCD-13	395×400×310	330×300×150	13	\$1363.2
3-6747-06	MCD-20	570×400×330	500×300×150	20	\$1724.7
3-6747-07	MCD-27	570×400×380	500×300×200	27	\$2003.3

*The inside dimension of the tank is the opening dimension. Bottom dimension (smooth part) is a little smaller.

Specification

- Material : Body / Stainless Steel (SUS201) , Bath / Stainless Steel (SUS304)
- Oscillator Circuit : Automatic Oscillation Method
- Oscillator : BLT (bolted langevin)
- Oscillation Frequency : Dual Frequency / 40kHz, 33kHz
- Power Supply : AC100V 50/60Hz (3-pin plug 2m)
- Additional Functions : Heater Function (setting range : normal temperature to 80°C / in 1°C increments) , Timer function (setting range : 1 to 99 minutes / in 1 minute increments) , Degas function
- Safety functions: Overcurrent prevention, heater overheat prevention
- Waste plug: Manual draining valve (6 L or more)
- Accessories: Washing basket, lid, hose nipple

BRUSH

Order No.	Model No.	Type	Suitable Size	Reference Price
52-0001-06	2247	for test tube	S	\$0.7
52-0001-07	2248		M	\$0.8
52-0001-08	2249		L	\$0.8
52-0001-09	4968	for graduated cylinder	10 mL	\$0.7
52-0001-10	4966		25 mL	\$0.8
52-0001-11	4967		50 mL	\$0.8
52-0001-12	2250		100 mL	\$1.1
52-0001-13	2251		250 mL	\$1.4
52-0001-14	2252	for Erlenmeyer flask	500 mL	\$1.6
52-0001-15	2253		1000 mL	\$2
52-0001-16	2254		2000 mL	\$2.4
52-0001-17	2255		100 mL	\$1.1
52-0001-18	2256	for volumetric flask	250 mL	\$1.3
52-0001-19	2257		500 mL	\$1.7
52-0001-20	4355	for volumetric flask	1000 mL	\$2.5
52-0001-21	14401		2000 mL	\$4.2
52-0001-22	2265	for volumetric flask	100 mL	\$1.2
52-0001-23	2266		250 mL	\$1.8
52-0001-24	2267		500 mL	\$2.2
52-0001-25	4493	Brush for reagent bottle	1000 mL	\$2.5
52-0001-30	4964		50 mL	\$1.4
52-0001-31	2276		100 mL	\$1.4
52-0001-32	2277	Brush for reagent bottle	250 mL	\$1.6
52-0001-33	2278		500 mL	\$2



Great Deal

- Lightweight and durable.
- Specifications
- Bristle material: Pig bristles ● Handle material: wire, steel

Order No.	Model No.	Type	Suitable Size	Reference Price
52-0001-34	4356	Brush for reagent bottle	1000 mL	\$2.3
52-0001-35	4965		2000 mL	\$2.8
52-0001-36	4358	Brush for beaker	100 mL	\$1.4
52-0001-37	2274		250 mL	\$1.9
52-0001-38	2275	Brush for color comparison tube	500 mL	\$2.2
52-0001-39	4359		1000 mL	\$2.5
52-0001-40	4959	Brush for color comparison tube	10 mL	\$0.8
52-0001-41	4960		25 mL	\$0.8
52-0001-42	4961		50 mL	\$1.1
52-0001-43	521812		100 mL	\$1.4



SLIM BRUSH (PBT bristles)

Order No.	Model No.	Color	D × H × L × L1 (mm)	Wire Diameter (mm)	Reference Price
4-3675-01	SLIM-W	White	24 × 40 × 285 × 90	φ0.4 (hard)	\$9
4-3675-02	SLIM-R	Red			\$9
4-3675-03	SLIM-Y	Yellow			\$9
4-3675-04	SLIM-G	Green			\$9
4-3675-05	SLIM-B	Blue			\$9

- The brush is designed for easy access to hard-to-reach parts such as curved areas inside containers and joint areas.
- The hard bristles and curved grip enable powerful cleaning in such a way as to scrape dirt off.
- The bristles are made of polybutylene terephthalate (PBT), which is excellent in abrasion resistance, durability, oil resistance, and solvent resistance.
- Bristles made of PBT have more durable than those made of PP and are less likely to have a kink such as a warp.

Specifications

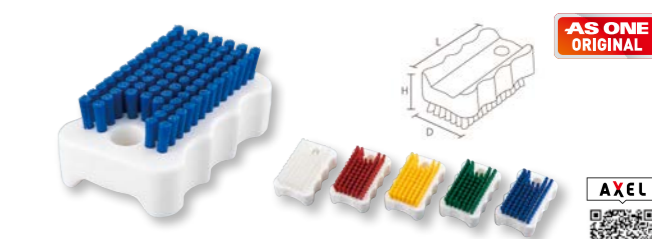
- Material: Bristles/PBT (polybutylene terephthalate, annealing), Grip/PP
- Heat Resistance Temperature: 120°C
- HACCP compliant



HACCP BRUSH

Order No.	Model No.	Color	Width × length × hair length (mm)	Reference Price
3-5419-01	Dish brush	White	22 × 285 × 25	\$8.7
3-5419-02		Red		\$8.7
3-5419-03		Yellow		\$8.7
3-5419-04		Green		\$8.7
3-5419-05		Blue		\$8.7

- Excellent durability and heat resistance prevent contamination and fungus growth.
- Special bristle material in triangle pole shape is used, enabling brush trace.
- Specifications
- Material: PP (handle), polyester (brush)
- Heat Resistance Temperature: 120°C
- HACCP compliant



HAND BRUSH (Small, PBT bristles)

Order No.	Model No.	Color	D × H × L (mm)	Wire Diameter (mm)	Reference Price
4-3684-01	HNDM-W	White	54 × 36 × 87	φ0.25 (soft)	\$8.3
4-3684-02	HNDM-R	Red			\$8.3
4-3684-03	HNDM-Y	Yellow			\$8.3
4-3684-04	HNDM-G	Green			\$8.3
4-3684-05	HNDM-B	Blue			\$8.3

- This multi-use cleaning brush can be used anywhere and is suitable particularly for work at hand.
- The grip is designed so as to be readily held even by a small hand and helps to reduce fatigue caused by hours of work.
- The bristles are made of polybutylene terephthalate (PBT), which is excellent in abrasion resistance, durability, oil resistance, and solvent resistance.
- Bristles made of PBT have more durable than those made of PP and are less likely to have a kink such as a warp.

Specifications

- Material: Bristles/PBT (polybutylene terephthalate, annealing), Grip/PP
- Heat Resistance Temperature: 120°C
- HACCP compliant



BRUSH

Order No.	Model No.	Color	Width × length × bristle length (mm)	Reference Price
3-5467-01	Hand brush S hard	White	45 × 120 × 20	\$7.2
3-5467-02		Red		\$7.2
3-5467-03		Yellow		\$7.2
3-5467-04		Green		\$7.2
3-5467-05		Blue		\$7.2

- Adopted soft fiber cleans skin well without scratching.
- Excellent durability and heat resistance prevent contamination and fungal reproduction.
- Special bristle material in triangle pole shape is used, enabling brush trace.
- Specifications
- Material: Body / PP (polypropylene) , Bristle / polyester
- Heat resistant temperature: 120°C ● HACCP compatible



Cleaning and Sterilization

Quick dry after cleaning equipment



DRYING CABINET

Order No.	Model No.	Type	Outer dimensions (mm)	Inner dimensions (mm)	Reference Price
3-5031-11	AG-SDN	Warm air type	444 × 537 × 1595	430 × 503 × 1311	\$1159.8
3-5032-11	AG-WDN	Warm air type	858 × 537 × 1595	844 × 503 × 1311	\$1446
3-5031-12	AG-SDNS	Blower type	444 × 537 × 1595	430 × 503 × 1311	\$933.9
3-5032-12	AG-WDNS	Blower type	858 × 537 × 1595	844 × 503 × 1311	\$1227.6

*Shelf 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-SDNS/AG-WDNS>

- 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-SDNS/AG-WDNS
Material	Main Body Panel: PMMA (acrylic resin), Frame: Aluminum mold (corrosion-resistant anodized treatment), Casters: With PA (nylon) stopper (front wheel only), Hinge: Stainless steel (SUS304)	
Door	Magnetic packing type	
Weight	AG-SDN: Approx. 31 kg, AG-WDN: Approx. 48 kg	AG-SDNS: Approx. 27 kg, AG-WDNS: Approx. 40 kg
Maximum shelf mounting levels	AG-SDN/SDNS: Shallow type 11 tiers, deep 5 tiers, mesh 21 tiers; AG-WDN/WDNS: Shallow type 11 tiers × 2, deep 5 tiers × 2, mesh 21 tiers × 2	
Casters	φ 65 mm (with front wheel stopper)	
Heater	400 W	
Warm air	Room temperature +20°C ±5°C	
Air volume* (50 Hz/60 Hz)	1.34 m ³ /min, 1.16 m ³ /min	
Timer	Settings available up to 30 hours	
Safety device	Includes temperature fuse to prevent overheating	Overcurrent protection fuse 1 A
Power supply	100 VAC 50/60 Hz 4.8 A	100 VAC 50/60 Hz approx. 0.5 A
Power cord length	1.8 m with 3P plug	

* Air volume solely by fan

DRYING CABINET ACCESSORIES

Order No.	Model No.	Dimensions (mm)	Reference Price
3-5034-01	Deep Basket Shelf	358×480×165	\$21.1
3-5034-02	Shallow Basket Shelf	358×480× 85	\$19.6
3-5034-06	SUS Tray Shelf	330×475× 50	\$78.3
3-5034-03	Mesh Shelf 20	341×450	\$72.7
3-5034-04	Mesh Shelf 50		\$79.1
3-5034-05	Mesh Shelf 70		\$79.8
3-5034-07	Pipette Holder	15 Hangings	\$113.7

Specification

- Basket Shelf·SUS Tray Shelf : Rail provided
- Mesh Shelf : Slide Rail provided
- Square Hole Dimensions of Mesh Shelf : -03/87×82mm (20-hole), -04/42×65mm (50-hole), -05/42×45mm (70-hole)
- Pipette Holder : Available Pipette Length/150~470mm, Material/ Stainless Steel (SUS430)
- Withstand Load : Mesh Shelf /3kg (equal load), Basket Shelf /3kg (equal load), SUS Tray Shelf /7kg (equal load)



DRYING CABINET

Order No.	Model No.	Outer Dimensions (mm)	Inner Dimension (mm)	Reference Price
3-5029-01	AGS	444×537×1595	430×503×1336	\$677.8
3-5030-01	AGW	858×537×1595	844×503×1336	\$964

*Wire shelf and basket are sold separately. Please choose from accessories (P.85).

- Magnet packing of the door helps to keep instruments cleanly.
- Shelf spacing is 50mm pitch.
- Mesh shelf (option) is slide rail type, so it can be pulled out smoothly and useful to take in and out cylinders and flasks.

Specification

- Material : Main Panel/PMMA (polymethyl methacrylate) Plate, Frame/Aluminum (aluminum processing)
- Door : Magnet Packing Type
- Caster : φ65mm, Material/PA (nylon), with Stopper × 2wheels
- Weight : AGS/25kg, AGW/38kg

Accessories

- Water Pan : AGS/1 piece, AGW/2 pieces



STERILIZATION INDICATOR TAPE (For Autoclave)

Order No.	Model No.	Width (mm) × Length (m)	Reference Price
2-4427-01	SIT-12	13×12.7	\$7.5
2-4427-02	SIT-34	20×12.7	\$9.9
2-4427-03	SIT-10	25×12.7	\$12.3
2-4427-04	SIL-34-B-Red	20×12.7	\$10.2
2-4427-05	SIL-34-B-Yellow		\$10.2
2-4427-06	SIL-34-B-Green		\$10.2
2-4427-07	SIL-34-B-Blue	25×12.7	\$10.2
2-4427-09	SIL-10-B-Red		\$13.2
2-4427-10	SIL-10-B-Yellow		\$13.2
2-4427-11	SIL-10-B-Green	20×12.7	\$14.3
2-4427-12	SIL-10-B-Blue		\$13.2
2-4427-14	SIL-34	20×12.7	\$10.2
2-4427-16	SIL-34-1		\$10.2
2-4427-17	SIL-10-1	25×12.7	\$13.2

- Word of "STERILIZED" appears to indicate after autoclaved.
- Writable on tape.

<SIL-34-B, SIL-10-B>

- Line of Red, Yellow, Green, Blue and Black is printed on edge of tape enable to discern by colors.

<SIL-34>

- Word of "STERILIZED" will appear on word of "CONTAMINATED" after autoclaved.

<SIL-34-1, SIL-10-1>

- Column to write batch number and date is printed on tape.

Specification

- Quantity : 1roll



SANISPEC AUTOCLAVE BAG

Order No.	Model No.	Dimensions (mm)	Quantity	Reference Price
1-1598-01	SP-2838	280×380	1bag (100pieces)	\$24.7

- This bag is excellent in cost performance for small sterile dexterity.

Specification

- Material : Heat resistant PP (polypropylene)
- Heat resistant temperature : 140°C
- Thickness : 0.035mm

High power low-noise design



Specifications

Model No.	SGV-110A-PC	SGV-110DP-PC
Size	336 × 336 × 682 mm	
Tank capacity	Liquid: 8 L, Dust: 12 L	12 L
Air volume	2.6 m ³ /min	2.5 m ³ /min
Maximum vacuum pressure	30 kPa	
Power supply	Single-phase 230 V, cord length: 8 m	
Power consumption	1100 W	
Weight	13 kg	

HIGH POWER CLEANER

Order No.	Model No.	Type	Tank	Tank capacity (L)	Reference Price
2-9956-01-90	SGV-110A-PC	Universal type		Liquid: 8, Dust: 12	\$822.4
2-9957-01-90	SGV-110DP-PC	Only for dry type	Pail Can set	12	\$894.7

- The SGV-110A series is equipped with a versatile filter capable of collecting water, oil, and general waste.
- The SGV-110DP 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 (mm)	Specification	Quantity	Reference Price
7-3622-01	ASMR	175 × 95	Regular	1 box (50 sheets)	\$3.8

※Price per box

- Conforms to the U.S. medical mask standard ASTM-F2100-19 LEVEL2.
- Made with flat rubber that is less likely to cause ear pain.

Specification

- Material: PP non-woven fabric (3 layers), Nose clip/PE
- BFE (bacterial filtration efficiency): More than 99%
- PFE (particulate filtration efficiency): More than 99%
- VFE (virus filtration efficiency): More than 99%
- Flammability: Class 1
- Ear loop type (flat rubber)
- Latex free
- Liquid Protection: 120 mmHg (ASTM-F2100-19 LEVEL2 compliant)
- Exhalation Resistance (Δ): <6.0 mmH₂O/cm²
- Quantity per Case: 40 boxes



ACTIVATED CARBON FACE MASK(Individually packaged)

Order No.	Model No.	Size (mm)	Quantity	Reference Price
7-7520-01	E-315	175 × 95	1 box (50 sheets)	\$33.1

※Price per box

- Hygienic and individually wrapped product.

Specification

- Material: PP non-woven fabric (4 layers) (body), PE (nose clip)
- Particulate Filtration Efficiency (PFE): 99.0%
- Box Size: 210×105×170mm



DISPOSABLE MASK FOR CLEAN ROOM

Order No.	Specification	Mask width (mm)	Quantity	Reference Price
9-5035-01	Regular type	180	1 box (1 sheet/pack × 50 packs)	\$16.6
9-5035-11			1 case (1 sheet/pack × 50 packs) × 40 boxes	\$632.6
9-5035-03	Overhead type	180	1 box (1 sheet/pack × 50 packs)	\$17.3
9-5035-13			1 case (1 sheet/pack × 50 packs) × 40 boxes	\$625.1
3-6851-01	Wide type	210	1 box (1 sheet/pack × 50 packs)	\$18.5
3-6851-11			1 case (1 sheet/pack × 50 packs) × 40 boxes	\$666.5

- Each sheet is clean-packed.
- Three-layer construction with non-woven fabric that reduces lint by heat.
- Item numbers 9-5035-03 and -13 are the overhead type, so they are suitable for long periods of use.

Specification

- Material: 100% non-woven fabric (mask part), PE (regular type) (nose clip), PP (overhead type, wide type), PE spandex (ear strap)

ANTIDUST MASK(Activated Carbon Filter)

Order No.	Model No.	Reference Price
1-4546-01	1180C-05	\$17.2
1-4546-02	FilterLAS-51C	\$3.1

- 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%)
- Suction Resistance : 65 ± 15Pa (average 61Pa)
- Exhaust Resistance : 42 ± 20Pa (average 43Pa)
- Mass : 89 ± 15 g
- Body Material : Silicone Rubber
- Japan National Assay Approval : No. TM539
- Class : RL2
- Accessories : Filter LAS-51C × 1



SAFETY GLASSES

Order No.	Model No.	Weight (g)	Promotional price
53-0001-26	SS25921	30	\$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.	Specification	Promotional price
53-0001-24	VG-2010	With side ventilation	\$1.8
53-0001-25	VG-2020	Without side ventilation	\$2

Specification

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



FACE SHIELD

Order No.	Model No.	Size	Lens Quantity	Reference Price
1-6215-03	YF-800S	S	3sheets	\$9
1-6215-04	YF-800S Replacement Lens		6sheets	\$8.3
1-6215-01	YF-800L	L	3sheets	\$12.8
1-6215-02	YF-800L Replacement Lens		6sheets	\$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 (polyethyleneterephthalate), Strap Parts/Elastomer
- Exchangeable Lens
- Weight : L/ approx.26 g, S/ approx.18 g



LATEX GLOVES(Fingertip Embossed, Powder-free)

Order No.	Size	Quantity	Reference Price
8-9971-01	L	1 box (100 pieces)	\$11.3
8-9971-02	M		\$11.3
8-9971-03	S		\$11.3

※Price per box

Specification

- Material: Latex (mounting side/chlorination)
- Overall Length: 240 mm
- Thickness: 0.08 mm (palmar part)
- Fingertip embossing
- Both left and right common use
- Box Size: 220 × 110 × 68 mm
- Powder free
- Quantity per Case: 10 boxes



LONG GLOVES

Order No.	Model No.	Quantity	Reference Price
1-4690-01	Super Long	1box(120pieces)	\$27.6

※The price is per box.

- Longest glove in our product line.

Specification

- Material : PE (polyethylene)
- Length : approx.900mm
- Thickness : approx.1.2μm

Quantity per Carton

- 120pieces/box × 20boxes



NITRILE GLOVES(Powder-free)

Order No.	Model No.	Quantity	Reference Price
7-8025-04	SS	1 box (100 pieces)	\$17.3
7-8025-03	S		\$17.3
7-8025-02	M		\$17.3
7-8025-01	L		\$17.3

※Price per box

Specification

- Material: NBR (nitrile rubber)
- Overall Length: Approx. 230 mm
- Thickness: Palm/Approx. 0.07 mm, Finger/Approx. 0.09 mm
- Both left and right common use
- ASTM/FDA standards conforming product
- Chemo support
- Latex free
- Fingertip embossing
- Box Size: 245 × 125 × 48 mm
- Quantity per Case: 10 boxes



PE GLOVES(Thick Type)

Order No.	Model No.	Size	Quantity	Reference Price
9-888-01	Standard	L	1box (100pieces) × 11boxes	\$68.5
9-888-02		M		\$68.5
9-888-03		S		\$68.5
9-889-01	Emboss	L		\$79.1
9-889-02		M		\$79.1
9-889-03		S		\$79.1

※The price is per 11 boxes.

Specification

- Material : PE (polyethylene)
- Thickness : Standard / 30μm, Emboss / 35μm
- Textured Outer Surface (Emboss L·M·S)



PLASTIC GLOVES(Thin-type, powder-free)

Order No.	Size	Quantity	Reference Price
8-9569-01	L	1 box (100 pieces)	\$5.2
8-9569-02	M		\$5.2
8-9569-03	S		\$5.2
8-9569-04	SS		\$5.2

※Price per box

- Thin-type gloves that are natural and comfortable to use.

Specifications

- Material: PVC (polyvinyl chloride)
- Overall Length: 230 mm
- Both left and right common use
- Box size: 220 × 120 × 55 mm
- Quantity per Case: 10 boxes



Safety Protection Supplies

High oil resistance and grip

AS ONE ORIGINAL



NITRILE COATED GLOVES(Overlocked)

Order No.	Size	Quantity	Reference Price
3-9463-01	LL	1 bag (1 pair)	\$0.9
3-9463-02	L		\$0.9
3-9463-03	M		\$0.9
3-9463-04	S		\$0.9
3-9463-51	LL	1 bag (10 pairs)	\$8.3
3-9463-52	L		\$8.3
3-9463-53	M		\$8.3
3-9463-54	S		\$8.3

※Finished dimensions vary to some extent because of fabric characteristics.

- Nitrile coating provides improved grip.
- Elastic and excellent fit.
- Specification
 - Material: 100% polyester; coated resin part: NBR (nitrile)
 - Color (wrist part): Blue (S), Yellow (M), Brown (L), and Black (LL)



SOLVENT RESISTANT GLOVES

Order No.	Model No.	Length (mm)	Quantity	Reference Price
6-923-04	No.223LL	330	1pair	\$18.1
6-923-01	No.223LW			\$18.1
6-923-02	No.223L			\$18.1
6-923-05	No.223M			\$18.1
6-923-03	No.223S	310		\$18.1

※LW has wider thumb than L size.

- There are solvent-resistant gloves which have wear resistance and excellent flexibility.
- Specification
 - Material : Outer / PU (polyurethane) , Lining / Cotton 100%
 - Thickness : 1.0mm (including lining)



STRONG ACID RESISTANT GLOVES (FTELON)

Order No.	Type	Length (mm)	Quantity	Reference Price
6-928-01	A-22 (Short)	360	1pair	\$38.1
6-928-02	B-22 (Short)	290		\$32.4
6-929-01	A-22L (Long)	580		\$82.1
6-929-02	B-22L (Long)	550		\$76.8

- Specification
 - Material : Outer / CSM (Hypalon) , Inner / NBR (Nitril rubber)
 - Thickness : A-22 / 0.5mm, B-22 / 0.4mm



HEAT RESISTANT GLOVES

Order No.	Model No.	Length (mm)	Quantity	Reference Price
6-537-01	EGF-37	approx.270	1pair	\$81.3
8-1005-01	EGF-37L	approx.450		\$88.1

※Please use it below 450°C. ※Please use only momentarily at 250°C or higher.

- Hard to melt, and almost no contraction to a flame.
- Flame retardant in normal air.
- Excellent in heat resistance, durability, and chemical resistance.
- Specification
 - Material : Technora® 50%, Flame Resistant Fiber 50%, Felt ● Hand Washable



FLUORIDE COATING ARM COVERS

Order No.	Model No.	Quantity	Reference Price
1-7711-01	CS-MLA1	1pair	\$36.9

- Excellent in chemical resistance by fluoride coating fiber.
- Specification
 - Material : Polyester / 98%, Conductive Thread / 2%
 - Thermal Conductivity : -5.90W/cm.ssec.°C (Reference)
 - Meltdown Temperature : 295°C (Reference)



ANTISTATIC ARM COVERS

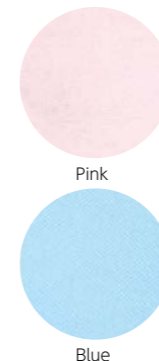
Order No.	Model No.	Quantity	Reference Price
7-651-01	A0200	1pair	\$16.6

- Conductive yarns are woven in latticed pattern in polyester fabric.
- Possible to used repeatedly by washing with neutral detergent.
- Specification
 - Surface Resistivity : 1.8 × 10⁸Ω ● Length : 280mm
 - Allowed for mounting ground cord for wrist strap

Safety Protection Supplies



AS ONE ORIGINAL

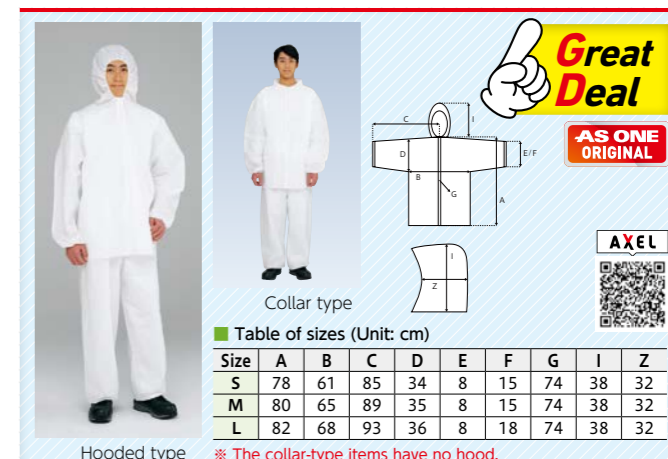


DISPOSABLE APRON

Order No.	Specification	Quantity	Reference Price
0-1517-01	White	1box(50sheets)	\$8.7
0-1517-02	Blue		\$8.7
0-1517-03	Pink		\$8.7
8-8965-01	Dedicated Basket	-	\$27.9

※The price is per box.

- Length and neck portion are adjustable. With perforation provided at back of neck portion and side waist, it is easy to take apron off by pulling it forward.
- Exclusive basket has magnet.
- Specification
 - Material : PE (polyethylene)
 - Dimensions : (width) 760 × (length) 1280mm
 - Thickness : 0.02mm ● Exclusive Basket Material : Steel (PE coating)
 - Quantity per Case : 50sheets/box × 12boxes



Great Deal

SEPARATE DISPOSABLE WEAR

Order No.	Specification	Size	Promotional price
53-0001-21	Collar type	S	\$2.4
53-0001-22		M	\$2.4
53-0001-23		L	\$2.4
53-0001-18	Hooded	S	\$2.5
53-0001-19		M	\$2.5
53-0001-20		L	\$2.5

- With a zipper, it is easy to put on and take off.
- The wrist parts are stretchable for the collar type, and the wrist parts and hood are stretchable for the hooded type (no elastic in hems).
- Specification
 - Material: 3-layered SMS non-woven fabric (body), neoprene rubber (stretchable part)



Great Deal

ECONOMY SHOES COVER

Order No.	Model No.	Size	Quantity	Promotional price
52-0001-80	AS24g	One-size-fits-all	1 bag (100 pieces)	\$7.8

- High-density made and less apt to be torn.
- Compatible with shoes of various sizes and shapes.
- Specification
 - Material: PP non-woven fabric (24 g/m²)



Great Deal

EAR PLUGS

Order No.	Model No.	Quantity	Promotional price
53-0001-65	EP-509	1 bag (1 pair)	\$0.2
53-0001-66	EP-509-100	1 set (1 pair/bag × 100 bags)	\$22.8

- Made from soft polyurethane foam, and fit well with ears.
- Specification
 - Material: Polyurethane ● Can be used in MRI room



Great Deal

NONSLIP TAPE

Order No.	Model No.	Color	Promotional price
53-0001-13	V-10-1	Black	\$4.8
53-0001-14	V-10-4	Green	\$5.5
53-0001-15	V-10-5	Black/Yellow	\$5.7
53-0001-16	V-10-8	Yellow	\$5.5
53-0001-17	V-10-12	Phosphorescent	\$12.1

- Excellent weatherability and water resistance.
- Because drying time is unnecessary, it is effective immediately after construction.
- Specification
 - Material: Mineral particles (anti-slip layer), PVC (base materials), acrylic (adhesive)
 - Size: Width 50mm × Length 5m



MAT FOR ACID AND ALKALI

Order No.	Model No.	Dimensions	Quantity	Reference Price
1-8086-01	MAT310A	380×510mm	50sheets	\$178.5
1-8086-02	MAT301A		100sheets	\$308.8
1-8086-03	MAT351A	250×330mm	1roll	\$177
1-8086-04	MAT309A	760mm×46m		\$507.6

- For liquid absorption, such as acid and alkali.
- MAT351A is in dispenser box which makes easy to take out.
- Specification
 - Material : PP (polypropylene)
 - Weight : MAT310A / 4.1kg/box, MAT301A / 8.2kg/box, MAT351A / 3.7kg/box, MAT309A / 13.6kg/box
 - Sorbent Capacity : MAT310A / approx. 41.8L / box, MAT301A / approx. 83.6L / box, MAT351A / approx. 36.2L/box, MAT309A / approx. 150.5L/box

Clean Environment Equipment



AS ONE ORIGINAL
220 to 240V



AIG type

SIMPLE TYPE CLEAN BOOTH

Order No.	Model No.	Specifications	Size (mm)*	Reference Price
3-4055-81	AIG type	With single fan unit	700 × 500 × 500 (649)	\$549.8
3-4055-82	AIWG type	With double fan units	1000 × 500 × 500 (649)	\$1031.8

*The figures in parentheses indicate heights that include the height of FFU.

- 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 × 200 × 50 mm
- Sheet: Soft PVC, thickness 0.5 mm ● Pipe: φ13 mm stainless steel SUS304
- Power Supply: 220 to 240V (per fan unit) ● Weight (including units): 7.2 kg



AS ONE ORIGINAL
220 to 240V



CLEAN GLOVE BOX

Order No.	Model No.	Size (mm)	Reference Price
1-974-81	ACB-1ADG	545 × 495 × 665	\$873.6

*Glove included is with powder. Wash off with running water if necessary.

- Vertical flow type glove box with high cleanliness.
- Dust particles inside box will drop through doubled bottom plates and be discharged to outside.

Specifications

- <HEPA unit>
- HEPA filter
- Dust Collection Efficiency: 99.97% or more (0.3 μm particles)
- Air Volume: 1 m³/min ● Outlet Cleanliness: Class 100
- <Main unit>
- Material: PMMA (acrylic) ● Inner Dimensions: 535 × 485 × 460 mm
- Power Supply: 220 to 240V ● Weight: Approx. 12 kg (including the unit part)

ASPURE COVERALL(Center Fastener, Without Hood)

Order No.	Model No.	Color	Size	Reference Price
2-5185-01	22110SW	White	S	\$29.4
2-5185-02			M	\$29.4
2-5185-03			L	\$29.4
2-5185-04			2L	\$29.4
2-5185-05			3L	\$29.4
2-5185-06			4L	\$29.4
2-5186-01	22110SB	Blue	S	\$29.4
2-5186-02			M	\$29.4
2-5186-03			L	\$29.4
2-5186-04			2L	\$29.4
2-5186-05			3L	\$29.4
2-5186-06			4L	\$29.4

*When using in a clean room, please wash it according to the level of cleanliness.

- The fabric is woven with conductive thread which is suitable for antistatic environments.
- The side pocket has a flap (lid) to prevent the emission of dust from the pocket.

Specifications

- Material: 100% polyester with conductive thread (striped type)
- Surface Resistivity: 10⁶ to 10⁹ Ω/□ ● Comes with elastic cuffs, waist, and hems
- Pockets on both left and right sides ● Quantity: 1 piece



AS ONE ORIGINAL
220 to 240V



PS01-ADG (It comes with HEPA filter as standard equipment.)

FILTER FAN UNIT(Pure Space)

Order No.	Model No.	Size (mm)	Reference Price
3-1423-81	PS01-ADG	260 × 260 × 149	\$406.7
3-1423-11	PS01-1AD	Replacement HEPA filter	\$88.1
1-7883-12	PS01-PF	Replacement pre-filter	\$6.8

*HEPA filter and pre-filter are included.

- Small and easy to build a clean environment.

Specifications

- Air Volume: Approx. 1 m³/min
- Wind Velocity: Approx. 0.5 m/s
- Antibacterial, Deodorant HEPA Filter Size: 200 × 200 × 50 mm
- Antibacterial, Deodorant HEPA Filter Dust Collection Efficiency: 99.97% or more (0.3 μm particles) ● Material: ABS resin
- Power Supply: 220 to 240 V ● Weight: Approx. 3.2 kg



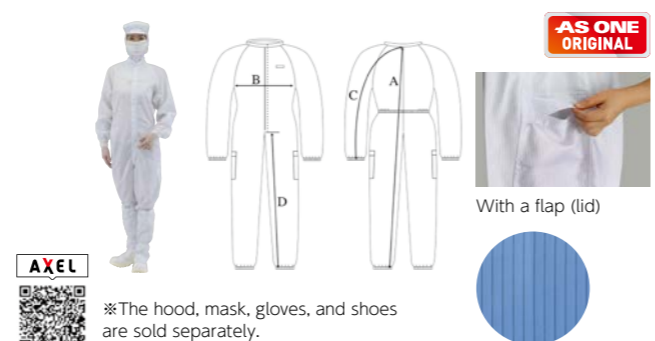
ANTISTATIC CHAIR

Order No.	Model No.	Seat surface size (mm)	Seat height (mm)	Promotional price
52-0001-77	YF-1	φ325	425~600	\$100.6
52-0001-78	YF-5	φ380	440~550	\$174.5
52-0001-79	YF-8	φ440 × 410	420~560	\$176.8

- The seat is less apt to put a strain on your body, so you are less likely to feel tired even if you are seated for long hours.
- This antistatic working chair provides a static protection index of 10³ to 10⁹Ω.

Specifications

- Cushion Material: PU (polyurethane)
- Seat Height Adjustment Method: Adjustment by pneumatic pump
- Caster Type: Antistatic plastic



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*The hood, mask, gloves, and shoes are sold separately.

Table of sizes (Unit: cm)

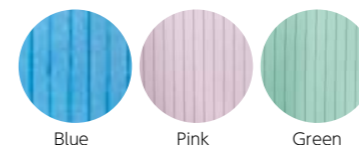
Size	S	M	L	2L	3L	4L
Total length (A)	155	160	165	170	175	180
Chest (B)	120	124	128	132	136	140
Sleeve length (C)	80	82	84	86	88	90
Inseam (D)	70.5	73	75.5	77.5	80	82

ASPURE HOOD FOR CLEAN SUITS

Order No.	Model No.	Color	Size	Reference Price
2-4946-01	SH2W	White	S	\$15.7
2-4947-01			L	\$15.7
2-4946-04	SH2B	Blue	S	\$15.7
2-4947-04			L	\$15.7
2-4947-03	SH2G	Green	L	\$12.1
2-4946-02	SH2P	Pink	S	\$12.1

*If you use this product in the clean room, you need to launder it according to the cleanliness of the clean room before you wear it.
*Mask is sold separately.

- Specification
- With Brim



AS ONE ORIGINAL



<Conceptual image of toe box> Boots' structure in which the toe boxes are less prone to pinch at the toes.

Short type

ASPURE CLEAN SAFETY BOOTS(With Fastener, Short Type)

Order No.	Model No.	Size (cm)	Reference Price
1-2268-*	TCBS-SN	21.0~31.0	\$45.2

*When using in a clean room, please wash it according to the level of cleanliness.
*Please specify the size on the size code table when ordering.

- The fabric is woven with conductive thread which is suitable for antistatic environments.
- Lightweight and cushioned polyurethane outsole.
- Resin toe box prevents rust during washing.
- Impact and pressure resistance equivalent to JIS T 8101L class.

Specifications

- Material: Polyurethane (outsole), 100% polyester with conductive thread (fabric), polycarbonate (toe box)
- Volume Resistance Value: Less than 1.0 × 10⁹ Ω
- Class 100 compatible
- Quantity: 1 pair

Table of size codes

Order No.	-41	-42	-43	-44	-45	-46	-47	-48	-49	-50	-51	-52	-53	-54
Size (cm)	21.0	22.0	22.5	23.5	24.0	25.0	25.5	26.5	27.0	28.0	28.5	29.5	30.0	31.0



AS ONE ORIGINAL



AS ONE ORIGINAL



Boot sole

ASPURE CLEAN SAFETY BOOTS(With Fastener, Long Type)

Order No.	Model No.	Size (cm)	Reference Price
1-2269-*	TCBS-LN	21.0~31.0	\$53.7

*When using in a clean room, please wash it according to the level of cleanliness.
*Please specify the size on the size code table when ordering.

- The fabric is woven with conductive thread which is suitable for antistatic environments.
- Lightweight and cushioned polyurethane outsole.
- Resin toe box prevents rust during washing.
- Impact and pressure resistance equivalent to JIS T 8101L class.

Specifications

- Material: Polyurethane (outsole), 100% polyester with conductive thread (fabric), polycarbonate (toe box)
- Volume Resistance Value: Less than 1.0 × 10⁹ Ω
- Class 100 compatible
- Quantity: 1 pair

Table of size codes

Order No.	-41	-42	-43	-44	-45	-46	-47	-48	-49	-50	-51	-52	-53	-54
Size (cm)	21.0	22.0	22.5	23.5	24.0	25.0	25.5	26.5	27.0	28.0	28.5	29.5	30.0	31.0

Clean Room Class Correspondence Table

Fed.Sta. 209E	Class	Maximum allowable concentration (particles/m ³) *1						Particle Size Range *2
		Particle diameter						
		0.1 μm	0.2 μm	0.3 μm	0.5 μm	1 μm	5 μm	
	1	10						0.1~0.3
	2	100						0.1~0.3
	3	1,000	237	102	35			0.1~0.5
	4	10,000	2,370	1,020	352	83		0.1~0.5
	5	100,000	23,700	10,200	3,520	832		0.1~5
	6	1,000,000	237,000	102,000	35,200	8,320	293	0.3~5
	7				352,000	83,200	2,930	0.3~5
	8				3,520,000	832,000	29,300	0.3~5
	9				35,200,000	8,320,000	293,000	

*1 : Maximum allowable concentration for ISO cleanliness class

*2 : JIS Applicable Particle Size Range



Excellent durability and electrostatic diffusion!



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

Order No.	Size	Quantity	Reference Price
1-4767-51	L	1 box (100 pieces/bag × 10 bags)	\$391.6
1-4767-52	M		\$391.6
1-4767-53	S		\$391.6
1-4767-54	SS		\$391.6

- Synthetic rubber gloves compatible with high level clean environments.
- Specifications
 - Material: NBR (nitrile rubber)
 - Powder free
 - Surface Resistivity: 10¹¹Ω/□ max.
 - Overall Length: Approx. 300 mm (12 inches)
 - Thickness: Approx. 0.14 mm (palm) ● Double chlorination
 - Both left and right common use
 - Double wrapped for clean room
 - Quantity: 1 case (100 pieces/bag × 10 bags)

Perfectly fitting your fingertips!



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

Order No.	Size	Quantity	Reference Price
1-4774-51	L	1 box (100 pieces/bag × 10 bags)	\$268.1
1-4774-52	M		\$268.1
1-4774-53	S		\$268.1
1-4774-54	SS		\$268.1

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

ASPURE PU COATED COOL GLOVES (Overlocked)

Order No.	Type	Size	Quantity	Reference Price
2-2132-01	Fingertip coat	LL	1 bag (10 pairs)	\$9.2
2-2132-02		L		\$9.2
2-2132-03		M		\$9.2
2-2132-04		S		\$9.2
2-2132-05		SS		\$9.2
2-2132-51	Fingertip coat	LL	1 box (10 pairs/bag × 30 bags)	\$247.8
2-2132-52		L		\$247.8
2-2132-53		M		\$247.8
2-2132-54		S		\$247.8
2-2132-55		SS		\$247.8
2-2131-01	Palm coat	LL	1 bag (10 pairs)	\$11
2-2131-02		L		\$11
2-2131-03		M		\$11
2-2131-04		S		\$11
2-2131-05		SS		\$11
2-2131-51	Palm coat	LL	1 box (10 pairs/bag × 30 bags)	\$296
2-2131-52		L		\$296
2-2131-53		M		\$296
2-2131-54		S		\$296
2-2131-55		SS		\$296

※Finished dimensions vary to some extent because of fabric characteristics.

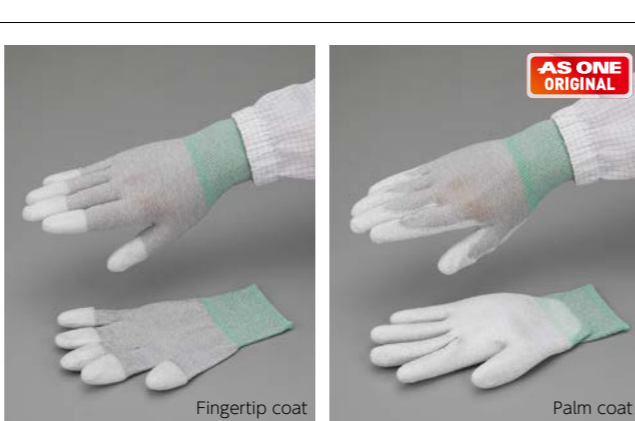
- Polyurethane coating provides improved grip.
- Elastic and excellent fit.
- Specifications
 - Material: 100% polyester, polyurethane (coating part)
 - Color (wrist part): Yellow (SS), white (S), green (M), gray (L), brown (LL)
 - Quantity: -01~05 / 1 bag (10 pairs), -51~55 / 1 case (10 pairs/bag × 30 bags)

ASPURE PU COATED CONDUCTIVE GLOVES II

Order No.	Type	Size	Quantity	Reference Price
1-4805-01	Fingertip coat	LL	1 bag (10 pairs)	\$31.3
1-4805-02		L		\$31.3
1-4805-03		M		\$31.3
1-4805-04		S		\$31.3
1-4805-05		SS		\$31.3
1-4806-01	Palm coat	LL	1 bag (10 pairs)	\$32.9
1-4806-02		L		\$32.9
1-4806-03		M		\$32.9
1-4806-04		S		\$32.9
1-4806-05		SS		\$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: 10⁶~10⁸Ω/□ (fiber)
 - Color (wrist part): Orange (SS), white (S), green (M), gray (L), yellow (LL)
 - Quantity: 1 bag (10 pairs)

Made of breathable polyester fabric



HAIR NET

Order No.	Model No.	Size	Reference Price
9-5646-01	858046	L	\$4.6
9-5646-02		M	\$4.6

- Specification
 - Material: PA (nylon)



ASPURE ESD POLYESTER GLOVES

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

- Carton Quantity: 30packs
- Knitted carbon reduces static electricity.
- Breathable and low dust generation can be used comfortably.
- Specification
 - Material: Long-fibered Polyester (knitted carbon)

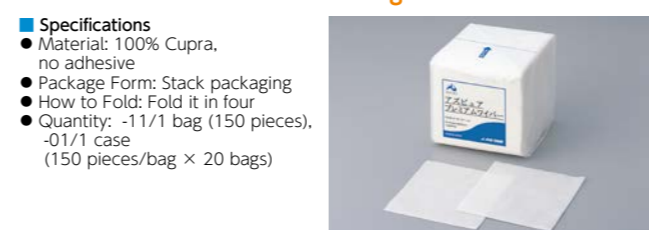


ASPURE ECONOMY MICROFIBER WIPER

Order No.	Model No.	Size (inch)	Quantity	Reference Price
3-1725-01	AP804MF	4 × 4	1 bag (600 sheets)	\$39.2
3-1725-02	AP806MF	6 × 6	1 bag (150 sheets)	\$21.1
3-1725-03	AP809MF	9 × 9		\$41

- Split fibers allow the wiper to display fine wiping.
- Excellent cost performance.
- Specifications
 - Material: 87% polyester, 13% nylon
 - Cutting Method: Laser cut ● Package Form: Stack packaging
 - Quantity: -01 / 1 bag (600 pieces), -02, 03 / 1 bag (150 pieces)

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



ASPURE PREMIUM NONWOVEN WIPER

Order No.	Model No.	Size (mm)	Quantity	Reference Price
2-2137-11	SJ231	210 × 220	1 bag (150 sheets)	\$10.5
2-2137-01			1 box (150 sheets/bag × 20 bags)	\$139.3

※Bemliese® 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
1-3927-53	AP404H	4×4	1carton (600pieces/pack×10packs)	\$332.9
1-3927-51	AP606H	6×6	1carton (150pieces/pack×20packs)	\$340.4
1-3927-52	AP909H	9×9	1carton (150pieces/pack×10packs)	\$305

- 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
 - Packaging Form: Stack packaging
 - Class 100 compatible (rough indication)

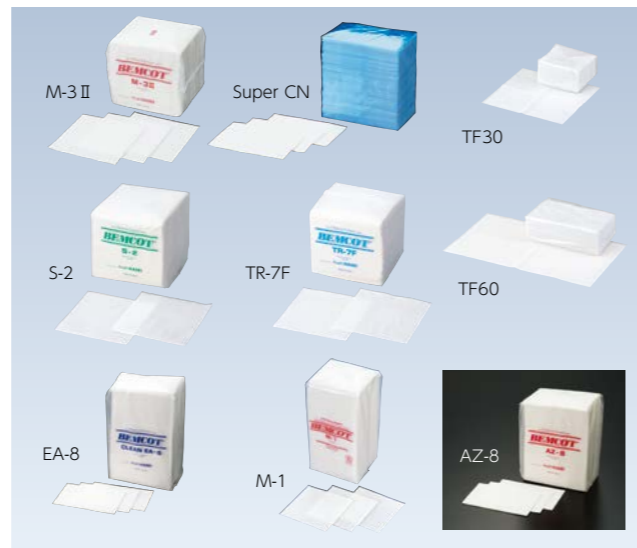
Wiper classification for clean room

	Microfiber wiper	Polyester long-fiber wiper	Nonwoven fabric wiper
Class	Class 100	Class 100	Class 1000~10000
Feature	The split fibers catch oil and dust 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 purposes.
Purpose of use	Wiping of LCD displays, glass substrates for LCDs, color filters, camera lenses, and wiping of resins and metals prior to coating	In addition to microfiber wiper applications, the 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.

BEMCOT® WIPER

Order No.	Model No.	Size (mm)	Quantity	Type	Reference Price
7-663-31	M-3 II	250x250	1bag (100sheets)	Folded in four type	\$6.4
7-663-01	M-1	150x150	1case (100sheets/bagx30bags)		\$185.6
7-663-02	M-1	150x150	1case (150sheets/bagx40bags)		\$138.6
9-4020-01	Super CN	240x300	1box (50sheets/bagx20bags)	Folded All Inside type	\$174
9-4020-02	Super NT	240x300	1box (80sheets/bagx30bags)		\$248.5
6-8232-01	S-2	250x250	1case (150sheets/bagx30bags)	Folded in four type	\$209
9-5303-01	TR-7F	250x250	1case (150sheets/bagx20bags)		\$213.9
7-664-01	EA-8	300x250	1case (100sheets/bagx30bags)	Folded in eight type	\$213.5
1-9594-11	TF30	340x300	1case (50sheets/bagx20bags)	Folded in four type	\$217.7
1-9594-12	TF60	340x600	1case (50sheets/bagx12bags)		\$235
7-661-11	AZ-8	300x250	1case (100sheets/bagx30bags)	Folded in eight type	\$261

■ Specification
 ● Material : Super CN/Long Fibered Cellulose 70%+Long Fibered Polyester30%, TF30-60/Cotton Cellulose 100%, Other/Cellulose 100%

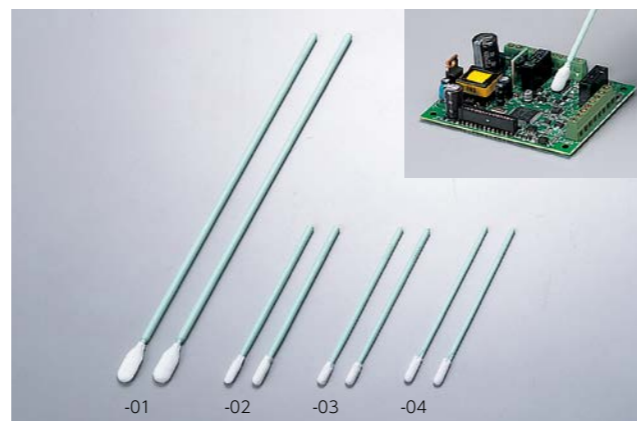


ALPHA SWAB

Order No.	Model No.	Head Size (mm)	Length (mm)	Quantity	Reference Price
6-6587-01	TX761	6.4x3.4x16.8	163.3	1case (100pcs)	\$41.4
6-6587-02	TX743B	4.0x3.6x12.0	71	1case (100pcs/bag x5bags)	\$105.4
6-6587-03	TX754B	3.5x3.2x 9.5	70		\$116.7
6-6587-04	TX758B	3.5x2.5x10.0	68.4	1case (100pcs)	\$113

● It is polyester long-fibered head with special weaving which can catch dirt efficiently.
 ● Very low dust emission and solubility, excellent in absorbency.
 ● Usable in clean room because of double packaging in clean room.

■ Specification
 ● Material : Head / Polyester Long Fiber, Stick / PP (polypropylene)

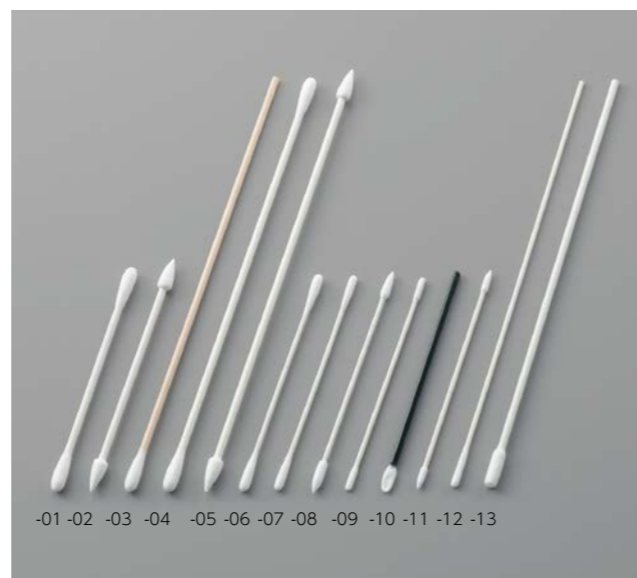


INDUSTRIAL SWAB(HUBY®-340)

Order No.	Model No.	Quantity	Reference Price
1-2092-01	CA-002MB	1 box (25 pieces/bag x 100 bags)	\$42.9
1-2092-02	CA-003MB	1 box (25 pieces/bag x 60 bags)	\$62.5
1-2092-12	CA-005MB	1 box (100 pieces/bag x 60 bags)	\$220.7
1-2092-03	CA-006MB	1 box (100 pieces/bag x 20 bags)	\$46.1
1-2092-04	CA-007MB	1 box (100 pieces/bag x 16 bags)	\$62.8
1-2092-05	CA-008MB	1 box (100 pieces/bag x 16 bags)	\$52.7
1-2092-13	CA-010MB	1 box (50 pieces/bag x 42 bags)	\$70
1-2092-06	BB-001MB	1 box (25 pieces/bag x 200 bags)	\$82.1
1-2092-07	BB-002MB	1 box (25 pieces/bag x 250 bags)	\$156.7
1-2092-08	BB-003MB	1 box (25 pieces/bag x 200 bags)	\$153.6
1-2092-09	BB-012MB	1 box (25 pieces/bag x 320 bags)	\$245.9
1-2092-11	BB-013MB		\$265.1
1-2092-10	FS-010MB	1 box (25 pieces/bag x 200 bags)	\$407.4

● Excellent in water absorption and absorption speed.
 ● Little residual dissolved substance and no fluffing by special processing.

■ Specifications
 ● Head Material: 100% natural cotton (cellulose)
 ● Silicone-free



Specifications table

Model No.	CA-002	CA-003	CA-005	CA-006	CA-007	CA-008	CA-010	BB-001	BB-002	BB-003	BB-012	BB-013	FS-010
Specifications	3" cotton applicator paper shaft	6" cotton applicator paper shaft	6" cotton applicator wood shaft	6" cotton applicator paper shaft	3" baby swab paper shaft	3" fine baby swab (slim type) paper shaft	3" micro swab (sharp point slim) paper shaft	3" fine baby swab (2.0) paper shaft	3" fine baby swab (hard sharp point slim) paper shaft	3" fine baby swab (sharp point slim) paper shaft	3" flat swab conductive plastic shaft		
Overall length	77.5 (±0.8) mm	81.0 (±1.0) mm	146.5 (±0.5) mm	150 (±0.5) mm	149 (±1.0) mm	153.5 (±1.0) mm	146.0 (+1.0, -0.5) mm	75.5 (±1.0) mm	79.0 (±1.0) mm	75.5 (±1.0) mm	76.0 (±1.0) mm	77.0 (±0.5) mm	
Cotton length	15.0 (±0.8) mm	11.0 (±0.8) mm	16.0 (±0.5) mm	15.0 (±0.5) mm	13.0 (±0.5) mm	12.0 (±1.0) mm	14.0 (±0.8) mm	13.5 (±0.8) mm	11.0 (±0.8) mm	8.0 (±0.8) mm		8.5 (±0.5) mm	
Cotton diameter	φ4.4 (+0.4, -0.2) mm	φ4.7 (±0.5) mm	φ2.3 (±0.5) mm	φ4.7 (±0.4) mm	φ4.6 (±0.5) mm	φ5.0 (±0.5) mm	φ4.0 (±0.5) mm	φ3.2 (±0.5) mm	φ2.6 (±0.4) mm	φ3.0 (±0.5) mm	φ2.0 (+0.4, -0.2) mm	φ2.2 (±0.2) mm	3.8 (±0.5) mm (front), 0.5 (±0.2) mm (side)
Shaft	φ2.46 (±0.08) mm	φ1.52 (±0.5) mm	φ2.3 (±0.1) mm		φ2.46 (±0.08) mm				φ1.52 (±0.08) mm				φ2.50 (±0.05) mm

SWAB

Order No.	7-100(Body)			9-1013(Replacement Head)		
	Head Size (mm)	Model No.	Quantity	Model No.	Quantity	Reference Price
-01	φ5x15	T-10	1bag (50pcs)	H-10	1bag (500pcs)	\$113
-02	φ5x17 (diagonal cut)	T-11		H-11		\$113
-03	φ8x15	T-20		H-20	1bag (200pcs)	\$75.3
-04	φ8x17 (diagonal cut)	T-21		H-21		\$75.3
-09	φ5x15	T-70		H-70		\$101.7
-10	φ5x17 (diagonal cut)	T-71		H-71		\$101.7

※The size of the diagonal cut type is the total length.

● High-performance wiping material with excellent water absorption and adsorbing function.
 ● Less self dust generation swabs have soft and adsorptive characteristics by the superfine open-cell porous foam, so objects are hardly damaged when wiping even without water.
 ● T-70 and T-71 feature excellent chemical-resistant and solvent resistance.

■ Specification
 ● Material : Stick / PP (polypropylene), Head / Solvent Resistance Type : Olefine-base Resin (EVA), Other : PU (polyurethane) 100%
 ● Total Length : 105mm



HAND CLEANER(Red, Strong Adhesion)

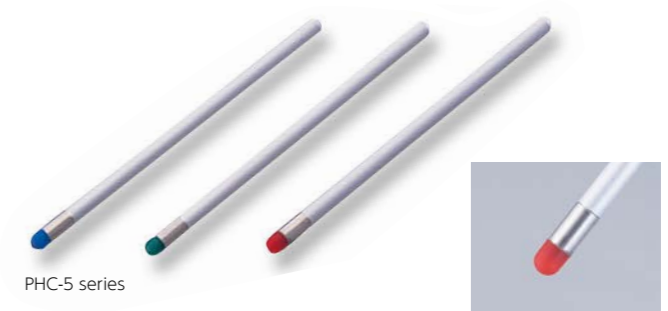
Order No.	Model No.	Size (mm)	Roll size (mm)	Reference Price
1-4821-01	PHC-5R	130 (L) x φ6	6 (W) x φ 6	\$47.4
1-4821-02	HR-30R	40 (W) x 110 (H) x 20 (D)	30 (W) x φ20	\$199.6
1-4821-03	HR-150R	177 (W) x 210 (H) x 30 (D)	150 (W) x φ30	\$325.4

● The roller itself has adhesive properties and does not contain any adhesive.
 ● Use the cleaner together with a transfer sheet sold separately.

■ Specifications
 <Frame>
 ● Material: Plastic (acetal) (PHC-5), Aluminum (HR-30), Nylon (HR-150)
 ● Surface Resistivity: 10¹⁰Ω/□
 <Roller>
 ● Material: Polymer roller
 ● Surface Resistivity: 10¹⁰Ω/□ (only PHC-5R, HR-30R, HR-150R)
 ● Quantity: 1 piece



Available in three adhesion types



HAND CLEANER(Green, Standard Adhesion)

Order No.	Model No.	Size (mm)	Roll size (mm)	Reference Price
1-4820-01	PHC-5G	130 (L) x φ6	6 (W) x φ 6	\$39.2
1-4820-02	HR-30G	40 (W) x 110 (H) x 20 (D)	30 (W) x φ20	\$151.4
1-4820-03	HR-150G	177 (W) x 210 (H) x 30 (D)	150 (W) x φ30	\$247.8

● The roller itself has adhesive properties and does not contain any adhesive.
 ● Use the cleaner together with a transfer sheet sold separately.

■ Specifications
 <Frame>
 ● Material: Plastic (acetal) (PHC-5), Aluminum (HR-30), Nylon (HR-150)
 ● Surface Resistivity: 10¹⁰Ω/□
 <Roller>
 ● Material: Polymer roller
 ● Surface Resistivity: 10¹⁰Ω/□ (only PHC-5G, HR-30G, HR-150G)
 ● Quantity: 1 piece



HAND CLEANER(Blue, Weak Adhesion)

Order No.	Model No.	Size (mm)	Roll size (mm)	Reference Price
1-4819-01	PHC-5B	130 (L) x φ6	6 (W) x φ 6	\$38.9
1-4819-02	HR-30B	40 (W) x 110 (H) x 20 (D)	30 (W) x φ20	\$155.9
1-4819-03	HR-150B	177 (W) x 210 (H) x 30 (D)	150 (W) x φ30	\$199.6

● The roller itself has adhesive properties and does not contain any adhesive.
 ● Use the cleaner together with a transfer sheet sold separately.

■ Specifications
 <Frame>
 ● Material: Plastic (acetal) (PHC-5), Aluminum (HR-30), Nylon (HR-150)
 ● Surface Resistivity: 10¹⁰Ω/□
 <Roller>
 ● Material: Polymer roller
 ● Surface Resistivity: 10¹⁰Ω/□ (only PHC-5B, HR-30B, HR-150B)
 ● Quantity: 1 piece



Transfer and remove dirt from hand cleaner.

ASPURE ROLLER TRANSFER SHEET (Film Type)

Order No.	Quantity	Reference Price
1-4800-52	1carton (50films/sheetx10sheets)	\$248.5

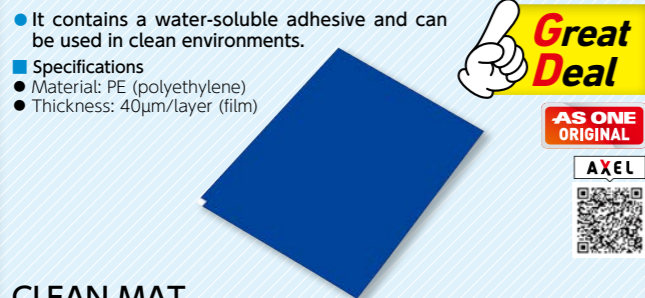
■ Specification
 ● Material : PE (polyethylene) Film, Acrylic Adhesive Paper
 ● Sheet Thickness : 80μm





Order No.	Model No.	Reference Price
9-5011-01	S-1000	\$7.2
6-8256-01	S-2000	\$7.5
9-5011-02	L-2000	\$9

※Adhesive roll is an option.



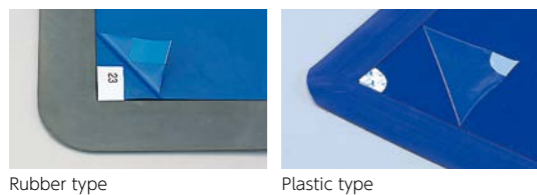
Order No.	Size (mm)	Specifications	Quantity	Promotional price
51-0001-64	450 × 600	Weak adhesion type	1 box (30 layers/sheet × 10 sheets)	\$50.3
51-0001-65	450 × 900			\$52.2
51-0001-66	600 × 900			\$94.3
51-0001-67	600 × 1200	Medium adhesion type	1 box (30 layers/sheet × 10 sheets)	\$145.1
51-0001-68	450 × 600			\$50.3
51-0001-69	450 × 900			\$65.8
51-0001-70	600 × 900	Strong adhesion type	1 box (30 layers/sheet × 10 sheets)	\$86.8
51-0001-71	600 × 1200			\$131.2
51-0001-72	450 × 600			\$50.3
51-0001-73	450 × 900	Strong adhesion type	1 box (30 layers/sheet × 10 sheets)	\$65.8
51-0001-74	600 × 900			\$86.8
51-0001-75	600 × 1200			\$131.2

Order No.	Model No.	Frame external dimension (mm)	Reference Price
6-7585-11	Under Mat For 4590	575×1025	\$54.2
6-7585-12	Under Mat For 6090	725×1025	\$63.3
6-7585-13	Under Mat For 6012	725×1325	\$72.3

- Specifications
- Quantity: 1 piece

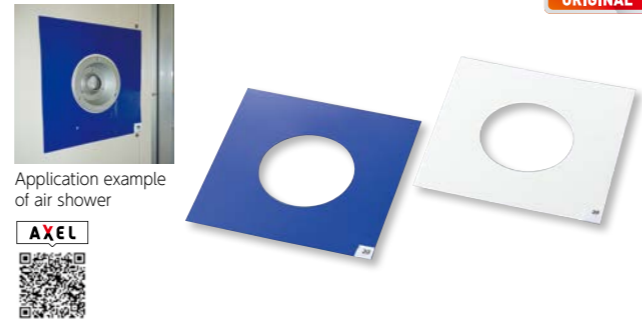
Order No.	Model No.	Frame external dimension (mm)	Reference Price
1-4251-11	For 450 × 900	550 × 1000	\$89.6
1-4251-12	For 600 × 900	700 × 1000	\$87.4
1-4251-13	For 600 × 1200	700 × 1300	\$99.4

- Specifications
- Quantity: 1 piece



Catch dust and foreign matter in air shower room!

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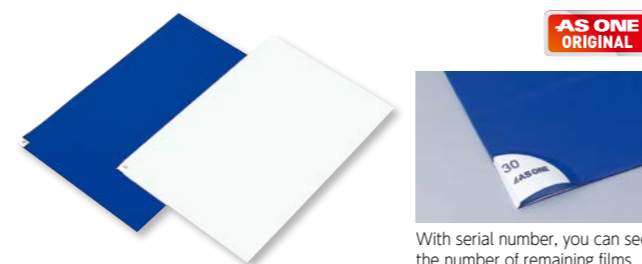


ASPURE ADHESIVE SHEETS FOR AIR SHOWER

Order No.	Specifications	Size (mm)	Quantity	Reference Price
2-2148-11	Blue, medium adhesive	300 × 300	1 sheet (30 layers)	\$25.2
2-2148-12	White, strong adhesive	300 × 300	1 sheet (30 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: MDPE (medium density polyethylene)
- Water-soluble acrylic adhesive
- Thickness: 35 μm/layer (film)
- Hole Size: φ 150 mm
- With serial number (countdown)



ASPURE ANTISTATIC STICKY MAT (Medium adhesive type)

Order No.	Model No.	Color	Size (mm)	Quantity	Reference Price
1-4737-71	4590	White	450 × 900	1 carton (30 films/sheet × 10 sheets)	\$192.8
1-4737-72	6090		600 × 900		\$238
1-4737-73	60120		600 × 1200		\$329.1
1-4737-74	4590	Blue	450 × 900	1 carton (30 films/sheet × 10 sheets)	\$192.8
1-4737-75	6090		600 × 900		\$238
1-4737-76	60120		600 × 1200		\$329.1



Application example

ASPURE ESD SHEET (Conductive Mat)

Order No.	Model No.	Width × Length × Thickness	Color	Reference Price
1-4255-01	1206GR	600 mm × 10 m × 2 mm	Green	\$213.1
1-4255-02	1206GL	600 mm × 10 m × 2 mm	Gray	\$213.1
1-4255-03	1209GR	900 mm × 10 m × 2 mm	Green	\$310.3
1-4255-04	1209GL	900 mm × 10 m × 2 mm	Gray	\$310.3
1-4255-05	1212GR	1200 mm × 10 m × 2 mm	Green	\$423.3
1-4255-06	1212GL	1200 mm × 10 m × 2 mm	Gray	\$423.3
1-4255-07	1210GR	1000 mm × 10 m × 2 mm	Green	\$335.9
1-4255-08	1210GL		Gray	\$335.9
1-4255-09	1210IV		Ivory	\$372.8
1-4255-10	1210GRS	1000 mm × 10 m × 2 mm	Green gloss	\$507.6
1-4255-21	1210LGN		Light green	\$374.1

- 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.
- Suppresses curling up.
- The 1210GRS is a conductive mat with a glossy surface.

- Specifications
- Material: Electrostatic diffusion nitrile rubber (front), conductive nitrile rubber (back)
- Surface Resistivity: 10⁸ to 10⁹ Ω/□ (front), 10⁴ to 10⁵ Ω/□ (back)
- Quantity: 1 roll
- Dimensional Tolerance: -0 to +10 mm (width), -0 to +50 mm (length), ±0.2 mm (thickness)



STATIC ELECTRICITY PREVENTION BAG

Inner dimensions (mm)	53-0001		53-0001	
	Order No.	Specifications	Order No.	Specifications
102 × 152	-07	Zipper Type	-01	Open Type
152 × 254	-08	Promotional price	-02	Promotional price
203 × 305	-09	\$41.6	-03	\$24.2
254 × 356	-10	\$69.5	-04	\$40.2
305 × 457	-11	\$105.5	-05	\$53.5
457 × 610	-12	\$166.2	-06	\$74.2
		\$214.5		\$101.9
		\$327.1		\$233.8

- Frictional electricity is not generated inside.
- Opening, closing and handling are easy (left/right connection lugs are approx. 10 mm wide).

- Specifications
- Thickness by Material: Approx. 0.08 to 0.09 mm (total thickness), 0.013 mm (polyester layer), 50A (aluminum layer), 0.066 mm (PE layer)
- Light Transmittance: 30% or higher
- Strength: 2.7 kg/cm (tensile strength), 0.5 kg/cm (tear strength)
- Surface Resistance Value: 10⁸ Ω/sq or less (outer layer), 10² Ω/sq or less (aluminum layer), 10¹² Ω/sq or less (PE layer)
- Static Electricity Elimination Properties: 100 microseconds or less (Mil-PRF-81705D match)
- Internal Frictional Electricity: 2 × 10⁻¹⁰ C or less
- Quantity: 1 case (100 pieces)

ASPURE CLEAN ROOM LINE TAPE

Order No.	Width × Length	Quantity	Reference Price
1-4761-*	12 mm × 33 m		\$43.3
1-4762-71 ~ 75	25 mm × 33 m	1 bag (10 rolls)	\$77.9
1-4762-77			\$116.7
1-4763-71 ~ 75	50 mm × 33 m	1 bag (5 rolls)	\$77.9
1-4763-77			\$116.7

※Please specify the color on the color code table when ordering.

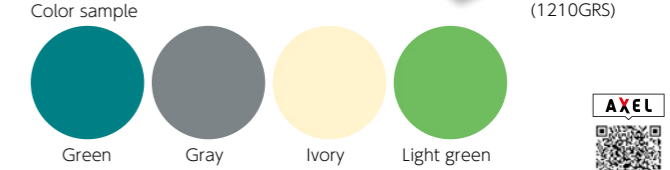
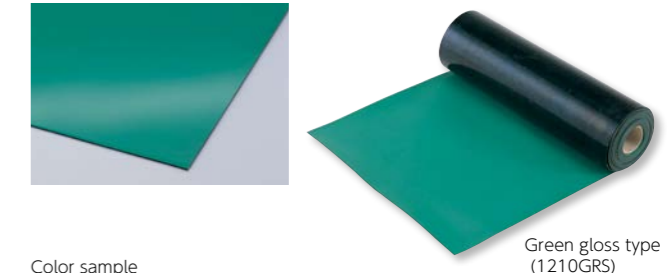
- PVC-tape coated with PET is excellent in strength.
- This product can withstand even a hand truck passing thereover.
- Easy to remove with little adhesive residue.

- Specifications
- Material: PVC (body), PET coating (surface), PE (core)
- Thickness 142 μm

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!

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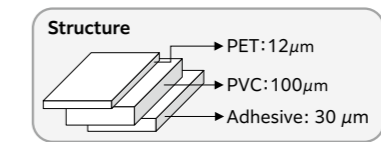
※The colors of the actual product slightly differ from those in the photo.

ASPURE CLEAN PAPER II

Order No.	Size	Color	Quantity	Reference Price
1-3068-51	A4	Blue	1 box (250 pieces/bag × 10 bags)	\$135.6
1-3068-52		White		\$135.6
1-3068-53		Pink		\$135.6
1-3068-54	A4	Yellow	1 box (250 pieces/bag × 10 bags)	\$135.6
1-3068-55		Green		\$135.6
1-3068-57		Blue		1 box (250 pieces/bag × 5 bags)
1-3068-58	Green	\$135.6		
1-3068-60	B4	Blue	1 box (250 pieces/bag × 5 bags)	\$135.6

- Specifications
- Material: Cellulose, water-soluble resin polymer
- Density: 72 g/m²
- Surface Resistivity: < 10¹¹ Ω/□
- Dusting characteristics (0.3 μm or above, reference value) Measurement method: SEMI G67-0996

Items	Value (pieces/cf)
Scrubbing	18
Kneading	20
Tear kneading	28



Clean Environment Equipment



CLEAN CURING TAPE

Order No.	Model No.	Width×Length	Reference Price
1-8750-01	No.396 Width18mm	18mm×25m	\$2.3
1-8750-02	No.396 Width25mm	25mm×25m	\$3.3
1-8750-03	No.396 Width50mm	50mm×25m	\$6.6

● Plastic core is used, so paper powder does not come out.

- Specification
- Material : Polyolefin
 - Thickness : 0.126mm

Lineup of various shapes that can be selected according to the application

AS ONE ORIGINAL



ANTISTATIC BRUSH

Order No.	Model No.	Overall length × Bristle length × Bristle width (mm)	Reference Price
4-815-01	SERB-01	175 × 15 × 36	\$4.5
4-815-02	SERB-02	170 × 18 × 58	\$5.3
4-815-03	SERB-03	220 × 22 × 90	\$6.3
4-815-04	SERB-R01	139 × 18 × 4	\$4.3
4-815-05	SERB-R02	122 × 18 × 8	\$5.4
4-815-06	SERB-F01	147 × 17 × 15	\$5.7

● It is convenient for removing dust while suppressing static electricity.

- Specifications
- Material: Conductive PP (body), Nylon (brush)

ASPURE SLIPPER

Order No.	Color	Size (cm)	Reference Price
1-4814-*	Gray	SS (23.0)~3L (28.0)	\$19.9
1-4815-*	White		\$19.9
1-3918-*	Black		\$20.1

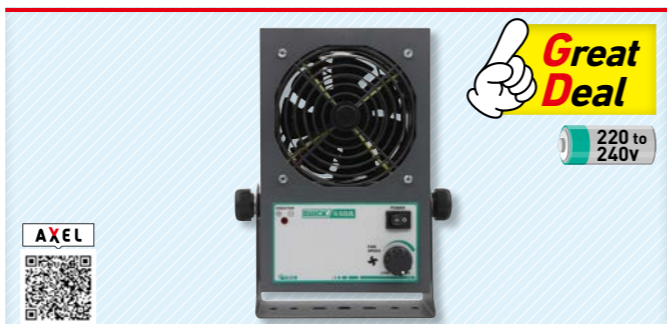
※Please specify the size on the size code table when ordering.

- Excellent breathability and cushioning.
- Polyurethane sole for excellent durability.

- Specifications
- Material: Antistatic polyurethane (sole), artificial leather (upper part)
 - Volume Resistance Value: Less than $1.0 \times 10^9 \Omega$
 - Quantity: 1 pair

■ Table of size codes

Order No.	-01	-02	-03	-04	-05	-06
Size (cm)	SS (23.0)	S (24.0)	M (25.0)	L (26.0)	2L (27.0)	3L (28.0)

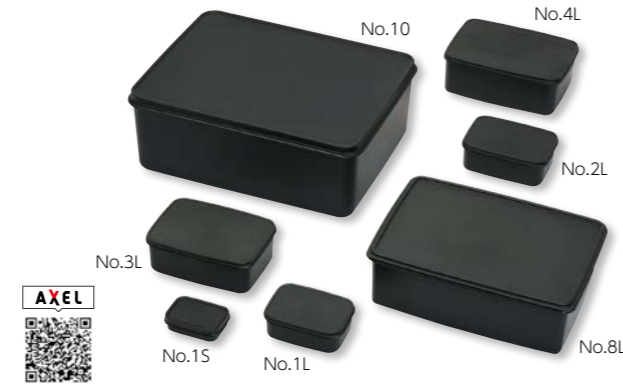


STATIC ELECTRICITY REMOVING BLOWER

Order No.	Model No.	Size (mm)	Promotional price
52-0001-01	440A	140 × 220 × 84	\$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 ion emitter cleaner.
- Adjustable speed fan to generate a wide range of ion airflow.
- The ion balance is stable and adjustable.

- Specifications
- Power Supply: 220 V, 50 Hz
 - Air volume: Fan speed low 1.0m³/min, high 2.4m³/min
 - Ozone generation amount: 0.01ppm or less
 - Noise level: Maximum/45dB, Minimum/40dB
 - Discharge area: 40cm × 150cm



CONDUCTIVE PARTS BOX

Order No.	Model No.	Outer Dimensions (mm)	Inner Dimensions (mm)	Capacity (mL)	Reference Price
6-7863-06	No.1S	98 × 68 × 33	90 × 58 × 29	100	\$3
6-7863-01	No.1L	137 × 99 × 52	128 × 85 × 48	490	\$3.3
6-7863-02	No.2L	165 × 119 × 62	151 × 105 × 58	900	\$4.2
6-7863-03	No.3L	198 × 143 × 75	183 × 127 × 69	1500	\$5.4
6-7863-04	No.4L	241 × 175 × 87	228 × 160 × 84	2900	\$7.2
6-7863-05	No.8L	354 × 258 × 116	320 × 233 × 111	8000	\$13.6
6-7863-07	No.10	450 × 350 × 165	420 × 320 × 158	10000	\$33.1

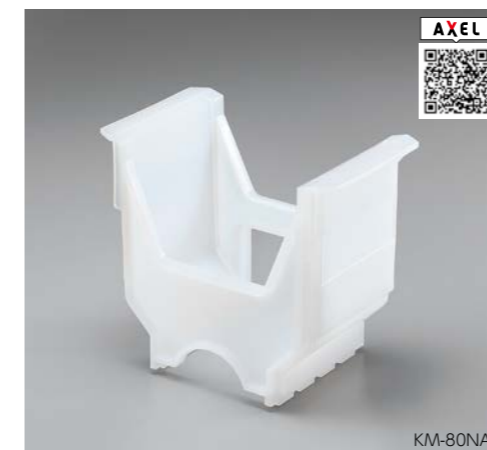
- Specification
- Material : Body / Conductive PP (polypropylene), Lid / Conductive PE (polyethylene)
 - Surface Resistivity : Body / $10^3 \sim 10^4 \Omega$, Lid / $10^5 \sim 10^6 \Omega$



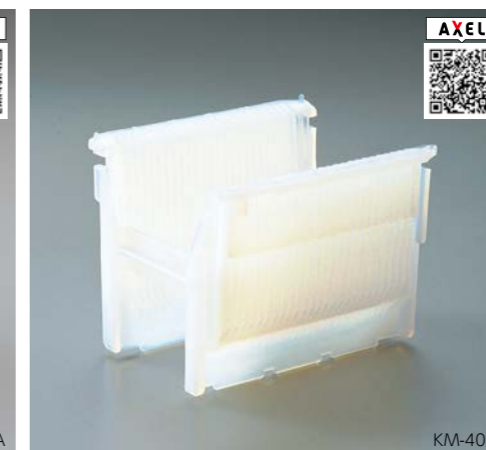
ASPURE ELECTROSTATIC METER

Order No.	Model No.	Size (mm)	Weight (g)	Reference Price
1-8995-01	YC-102	78×27×130	180	\$564.8

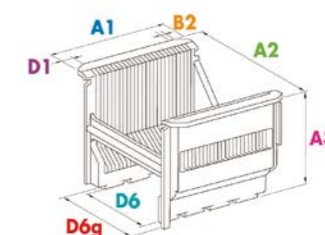
- It can be used as ion balance measuring instrument.
 - It indicates ready to measure by green LED light flashing and buzzer.
- Specification
- Measuring Range : Electrification / 0 ~ ± 19.9kV, Ion Balance / 0 ~ ± 199V
 - Measuring Distance : approx. 20 ~ 40mm Measuring Result Automatically rectified
 - Accessories : SUS Board for Ion Balance Measurement
 - Power automatic off: Approx 3minutes
 - Power supply: 006P (9V) type dry cell



KM-80NA



KM-40N



PFA WAFER CARRIER (8 inches)

Order No.	Model No.	Capacity	A1	A2	A3	D1	B2	D6	D6g	Reference Price
7-177-11	KM-80NA	25	152.4	250	220	19.05	4.76	120	132	\$820.9
6-7987-04	KM-822-A1		203.2	240	217.4	25.4	6.35	114.3	126.3	\$805.8

- As for KM-80NA, pocket pitch is 4.76mm and same as 6inch wafer carrier, but does not correspond to PFA handle.

- Specification
- Material : Semiplast®A (PFA)

PFA WAFER CARRIER (4 inches)

Order No.	Model No.	Capacity	A1	A2	A3	D1	B2	D6	D6g	Reference Price
7-177-06	KM-40N	25	142.24	125.5	114.3	13.97	4.76	61	70	\$173.2
7-177-08	KM-40NA							71	71	\$174

- Specification
- Material : Semiplast®A (PFA)

- Place wafer face down it.
- Only wafer edge comes in contact as bottom of pocket is conic.
- Fix wafer with spring.
- Pile of trays itself or of tray and cover is possible, and tray can fix and stick mutually as well.

- Specification
- Material : Natural PP (polypropylene)



WAFER TRAY

Order No.	-01 Tray			-02 Cover		-03 Spring	
	Model No.	Suitable Wafer (mm)	Reference Price	Model No.	Reference Price	Model No.	Reference Price
9-3051	H22-60-0615	150 (5.9")	\$9.9	H22-601-0615	\$9.9	H22-602-0615	\$8
9-3052	H22-50-0615	125 (4.92")	\$7.8	H22-501-0615	\$12.8	H22-502-0615	\$6.1
9-3053	H22-40JV-0615	100 (3.94")	\$3.9	H22-401JV-0615	\$4.2	H22-402JV-0615	\$2.5
9-3054	H22-35-0615	90 (3.54")	\$7.2	H22-351-0615	\$9.9	H22-352-0615	\$8.5
9-3055	H22-30JV-0615	76.2(3")	\$4.1	H22-301JV-0615	\$5.4	H22-302JV-0615	\$2.2
9-3056	H22-25-0615	63.5(2.5")	\$4.4	H22-251-0615	\$3.8	H22-252-0615	\$4.6
9-3057	H22-20JV-0615	50.8(2")	\$4.6	H22-201JV-0615	\$2.2	H22-202JV-0615	\$1.8
9-3058	H22-15JV-0615	38.1(1.5")	\$3	H22-151JV-0615	\$3	H22-152JV-0615	\$2.1
9-3059	H22-10-0615	25.4(1")	\$1.5	H22-101-0615	\$1.4	-	-



Clean Environment Equipment

VACUUM TWEEZERS

Order No.	Model No.	Type	Reference Price
7-150-11	392-1	Body	\$271.1
7-150-02	A1164	Bent Nozzle/0.4mm	\$4.5
9-5007-11	A1165	Bent Nozzle with Stopper/1.1mm	\$4.5
9-5007-12	A1166	Pad/3mm	\$3
9-5007-13	A1167	Pad/7mm	\$3

● It uses ESD protection material to air hose, vacuum pad and pen part.

■ Specification

- Power Supply : AC100V 50/60 Hz 5W
- Power Cord Length : 2.0m with 3-Pin Plug
- Pump : Diaphragm Pump
- Max. Reaching Pressure : approx. 37.3kPa (280Hg)
- Max. Pick-up Capability : A1164/0.6g, A1165/2g, A1166/20g, A1167/120g
- O.D. : Station/132×170×83mm, Pen/123×φ10mm, Air Hose/1100×φ6mm
- Weight : Station/approx.1.65kg, Pen/approx. 25g

■ Accessories

- Bent Nozzle : 0.4-1.1mm×1 each
- Pad : φ3.7mm×1 each



Battery-powered suction tweezers with built-in vacuum pump

ASPURE VACUUM TWEEZERS SET

Order No.	Model No.	Product Name	Reference Price
2-2134-01	H394	Body set	\$111.5
1-6404-02	A1198	Bent nozzle: φ0.26 mm	\$4.5
1-6404-03	A1486	Straight nozzle: φ1.1 mm with stopper	\$4.5
9-5007-12	A1166	Pad: φ 3 mm	\$3
1-6404-04	A1312	Pad: φ 5 mm	\$3
9-5007-13	A1167	Pad: φ 7 mm	\$3
9-5007-14	A1311	Pad: φ10 mm	\$3

- The suction tweezers can lift items that weigh up to 120 g (when using a φ10 mm pad).
- You can comfortably perform long hours of work such as assembling electronic components.

■ Specifications

- Pad Material: Conductive silicone rubber
- Power Supply: AAA dry cell battery × 2
- Main Unit Size: 130 × 29 × 22 mm
- Weight: 43 g (without batteries)
- Quantity: 01 / 1 set, others / 1 piece

■ Accessories

- Bent nozzle (A1165, φ1.1 mm) × 1
- φ5 mm (A1312) Pad × 1
- φ10 mm (A1311) Pad × 1
- Storage case



AIR BLOW GUN (Clean Washing)

Order No.	Model No.	Type	Reference Price
6-6602-01	Air Gun Set	Air Gun 1piece, Filter 2pieces, Hose Nipple 1piece, Point Nozzle 1piece	\$101.9
6-6602-02	Spare Cartridge	2pieces	\$52.2
6-6602-03	Coil Hose	Coil Hose + Oil-free Coupler	\$64.8
6-6602-04	TS-2NZP	Quick Coupler (PT1/4 Male Screw)	\$13.3
6-6602-05	TS-3NP	Quick Coupler (PT3/8 Male Screw)	\$13.3
6-6602-06	TS-4NP	Quick Coupler (PT1/2 Male Screw)	\$13.3
6-6602-11	Replacement Point Nozzle White	1piece	\$6.6

※Please use compressor (sold separately) with max. flux 0.38MPa (120L/min or less 70L/min or more).

<Air Gun>

- Material : Body/ABS Resin, Lever/PP (polypropylene), Nozzle/PA (polyamide)

- Withstand Pressure : 0.39MPa (4kgf/cm²)
- Used Fluid : Air, Nitrogen ● Hose Nipple (enclosed) : O.D. φ9mm
- Outer Dimensions : 170×140mm ● Weight : 120g

<Cartridge>

- Material : Body/PAR (polyarylate), Hollow Fiber Membrane/PP (polypropylene)
- Outer Dimensions : φ21×45mm ● Weight : 11.5g
- Filtering Accuracy : 0.01μm

<Coil Hose>

- Material : Hose/PU (polyurethane), Quick Coupler/POM (polyacetal)
- Withstand Pressure : Approx. 0.39 MPa (4kgf/cm²)
- Weight : 250g ● Usable Range : 4m



■ Specification

- <Air Gun Set>
 - Accuracy of hollow fiber membrane filter is 0.01μm and effective filtration area is as large as 80cm², and air of high flux can be supplied.
- <Quick Coupler>
 - Use when connecting coil hose with compressor etc. Please choose according to air blow-off diameter.

If you have any question, please feel free to contact us.

Service Contents

- 1 Product Selection Assistance
- 2 Product Setup Assistance
- 3 Product Technical Supports



Ask us for this catalog and our support. (the contact address varies by your location)



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