



**2022
PRODUCT
CATALOGUE**

Your Best Choice For Laboratory and Medical Consumables

NEST[®]
www.cell-nest.com

Company Profile

A leading life science plastic consumables manufacturer.

Wuxi NEST Biotechnology Co., Ltd. is a leading life science plastic consumables manufacturer located in Wuxi, Jiangsu, China, integrated with R&D production and sales, that was established in 2009. Our products have been exported to North America, Europe, Japan, Korea, India and other countries, with an excellent reputation nationwide and abroad. Customers are located almost all over the world.

2011, NEST passed the standard of quality management system of ISO 9001.

2014, NEST passed the standard of quality management system of ISO 11137.

2016, NEST passed the standard of quality management system of ISO 13485.

2020, NEST obtained the medical device production license.

In addition to these certifications, we also gained CE and FDA standard.

NEST Scientific Inc. NJ, USA

With the development of the business, we have established deep cooperation and built strong relationships with oversea customers in order to send the products to customers in North America more quickly. Nest Scientific Inc., a branch of Wuxi NEST Biotechnology Co., Ltd., was established in New Jersey, USA in 2013. Composed by a professional team with rich experience in training and sales skills, NEST Scientific USA can provide professional training as well as great communication with customers in depth in order to understand customers' demands better and quicker.

Your best choice for medical laboratory consumables.

NEST is dedicated to researching and developing innovative plastic consumables suitable for life sciences research and medical establishments. There are more than 600 plastic consumables that can be widely used for cell culture, molecular biology, immunoassays, liquid handling and storage such as cell culture plates, Erlenmeyer flasks, BioFactory and pipette tips, etc. More than 100 medical plastic consumables and reagents can be used in molecular diagnosis and vaccination, such as disposable samplers, transport media, swabs, nucleic acid extraction kits and disposable intranasal atomization devices. In order to provide more comprehensive and convenient service, we work closely with our affiliated company Wuxi Tech-star Technology Co., Ltd. We also provide lab instruments such as centrifuges, metal baths and Bio Bank, etc.



Wuxi NEST Biotechnology Co., Ltd.

Quality guaranteed Experienced team & a complete plastic consumables production line.

We have a complete plastic consumables production line. From mold-making to injection molding and sterilization, all the procedures are done efficiently in our own factory. Precision molds, high quality raw material and advance equipment are used to produce and perform quality testing with strict and comprehensive rules to ensure our products meet the highest quality and performance standards expected by the hospitals, research institutions and industrial, clinical laboratories that we supply.

- **Excellent mold-making ability.**

Our R&D team, with over 30 years of experience, work with high quality mold-making equipment imported from Germany and professional mold analysis software that allow NEST to develop more precise molds.

- **Injection molding in Class 10,000 and Class 100,000 clean rooms, with strict quality control.**

16146 ft² Class 10,000 clean room and 48438 ft² Class 100,000 clean room, all-electric high-speed injection molding machines imported from Japan, raw material which meet USP Class VI requirements. Production and quality control are performed strictly in accordance with corresponding SOP.

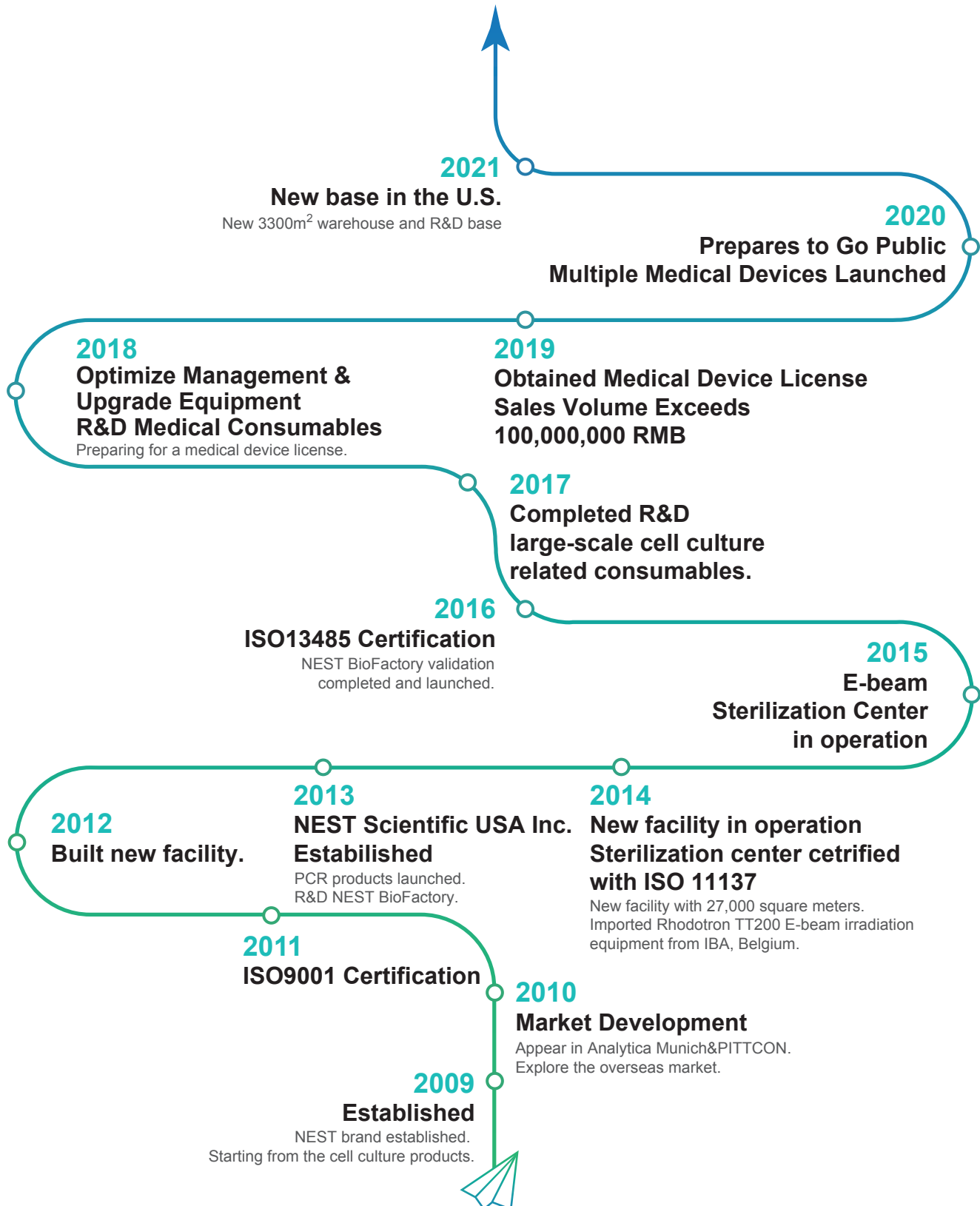
- **Sterilization by electronic beam irradiation.**

The Rhodotron TT200 electron accelerator imported from the IBA company, a world leader in the E-Beam sterilization industry in Belgium. Sterilization process has been certified by the ISO 11137 quality system. Compared with sterilization by cobalt 60 or ethylene oxide sterilization, sterilization by electronic beam irradiation is more efficient and safer. It requires less time and will not produce any chemical residue.



NEST Scientific Inc. NJ, USA

Development History



Company Profile



ISO 9001



ISO 13485



ISO 11137



FDA



CE



CE
(Medical Consumables)



JSDA

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Cytology



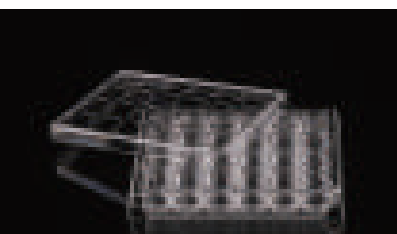
Cell Culture Plate



Excellent bottom uniformity



384 Well Cell Culture Plate



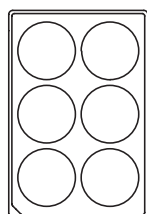
Special lid design ensures low evaporation



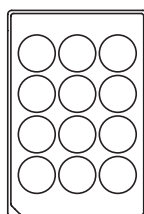
NEST cell culture plates have round edges for better handling. Low profile, low-evaporation lid design assures uniform growth. Tissue treated and non-treated are both available. Non-treated growth surface is more hydrophobic than tissue culture surface and are similar to the surface of a bacteriological Petri dish. Small feet on the bottom corners of each plate eliminate scraping of the microscope lens.

Features

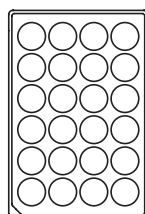
- Sterilized by E-beam, SAL= 10^{-6} .
- High clarity, 100% virgin polystyrene.
- "TC" refers to vacuum plasma tissue culture treatment.
- Clear lot number for batch traceability.
- Markings of well coordinates available for 12, 24, 48 and 384 well plates.
- Non-Pyrogenic, DNase/Rnase free.



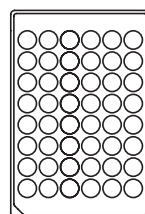
6 Well



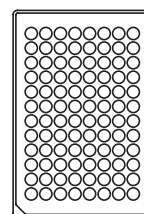
12 Well



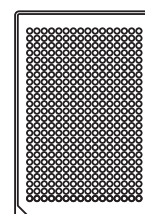
24 Well



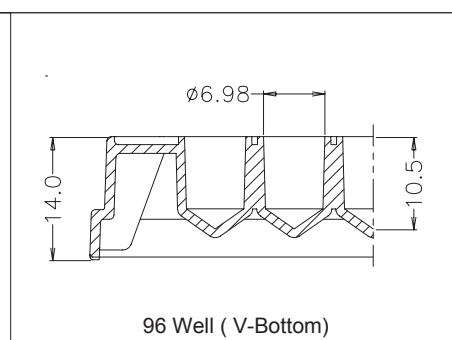
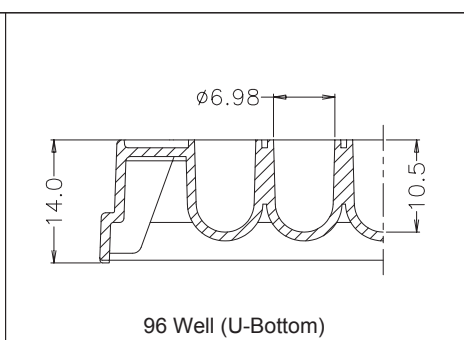
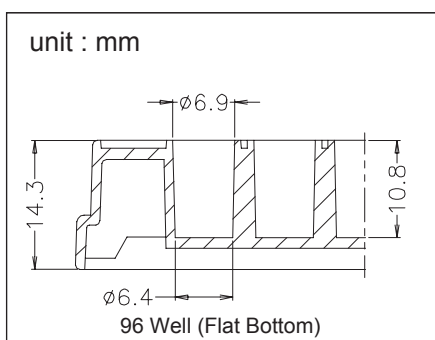
48 Well



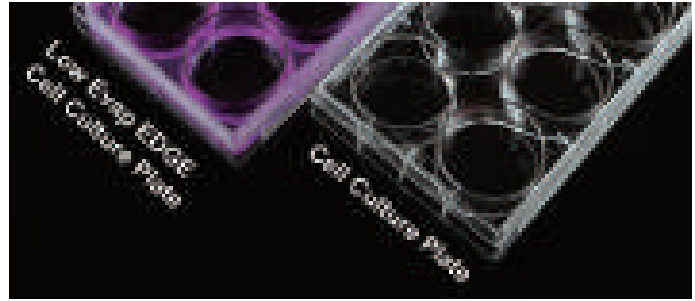
96 Well



384 Well



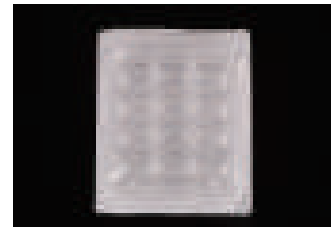
Products Name	Cell Growth Area (cm ²)	Recommended Medium Volume (mL)
6 Well Cell Culture Plate, Flat Bottom	9.5	1.9-2.9
12 Well Cell Culture Plate, Flat Bottom	3.6	0.76-1.14
24 Well Cell Culture Plate, Flat Bottom	1.9	0.38-0.57
48 Well Cell Culture Plate, Flat Bottom	0.88	0.19-0.285
96 Well Cell Culture Plate, Flat Bottom	0.32	0.1-0.2
384 Well Cell Culture Plate, Flat Bottom	0.11	0.025-0.05
96 Well Cell Culture Plate, V-Bottom	0.41	0.1-0.2
96 Well Cell Culture Plate, U-Bottom	0.66	0.1-0.2



Grooves are designed at the edge of the culture plate to avoid the edge effect to the greatest extent and to ensure that the cells maintain their optimal state during cell culture.

Cell Culture Plate Individually Packaged in Peelable Tyvek Film and Blister

TC Treated Cat. No.	Non-Treated Cat. No.	Description	/Pack	/Case
703001	703011	6 Well Cell Culture Plate, Flat Bottom, Clear	1	50
712001	712011	12 Well Cell Culture Plate, Flat Bottom, Clear	1	50
702001	702011	24 Well Cell Culture Plate, Flat Bottom, Clear	1	50
748001	748011	48 Well Cell Culture Plate, Flat Bottom, Clear	1	50
701001	701011	96 Well Cell Culture Plate, Flat-Bottom, Clear	1	100
701101	701111	96 Well Cell Culture Plate, U-Bottom, Clear	1	100
701201	701211	96 Well Cell Culture Plate, V-Bottom, Clear	1	100
761001	761011	384 Well Cell Culture Plate, Flat Bottom, Clear	1	100
761301	761311	384 Well Cell Culture Plate, Flat Bottom, Black	1	100
761601	761611	384 Well Cell Culture Plate, Flat Bottom, White	1	100
714011	714001	6 Well Low Evap EDGE Plate, Flat Bottom, Clear	1	50
713011	713001	96 Well Low Evap EDGE Plate, Flat Bottom, Clear	1	100



Cell Culture Plate Plastic Bag Package, 10/Pack

TC Treated Cat. No.	Non-Treated Cat. No.	Description	/Pack	/Case
703002	703012	6 Well Cell Culture Plate, Flat Bottom, Clear	10	50
712002	712012	12 Well Cell Culture Plate, Flat Bottom, Clear	10	50
702002	702012	24 Well Cell Culture Plate, Flat Bottom, Clear	10	50
748002	748022	48 Well Cell Culture Plate, Flat Bottom, Clear	10	50
701002	701012	96 Well Cell Culture Plate, Flat Bottom, Clear	10	100
761002	761012	384 Well Cell Culture Plate, Flat Bottom, Clear	10	100



Cell Culture Plate Plastic Bag Package, 1/Pack

TC Treated Cat. No.	Description	/Pack	/Case
703003	6 Well Cell Culture Plate, Flat Bottom, Clear	1	50
712003	12 Well Cell Culture Plate, Flat Bottom, Clear	1	50
702003	24 Well Cell Culture Plate, Flat Bottom, Clear	1	50
748003	48 Well Cell Culture Plate, Flat Bottom, Clear	1	50
701003	96 Well Cell Culture Plate, Flat Bottom, Clear	1	100
761003	384 Well Cell Culture Plate, Flat Bottom, Clear	1	100



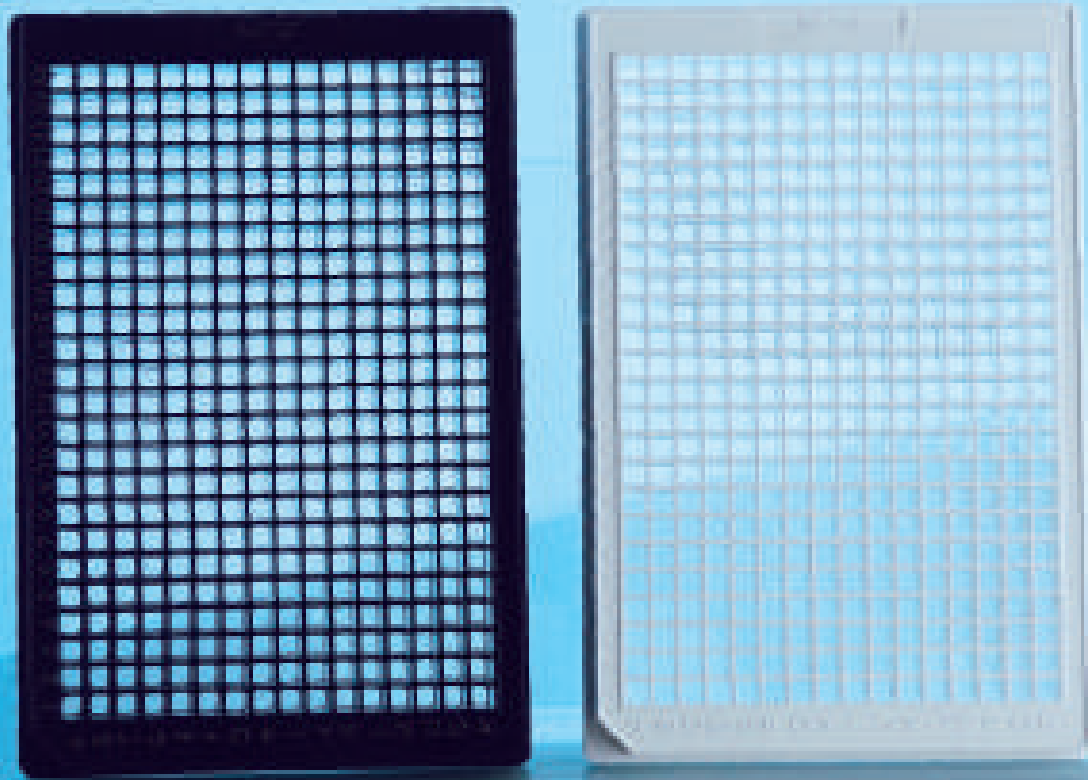
NEW PRODUCT

96/384 Well Cell Culture Plat with Clear Polystyrene Bottom

Coming Soon.....

Features

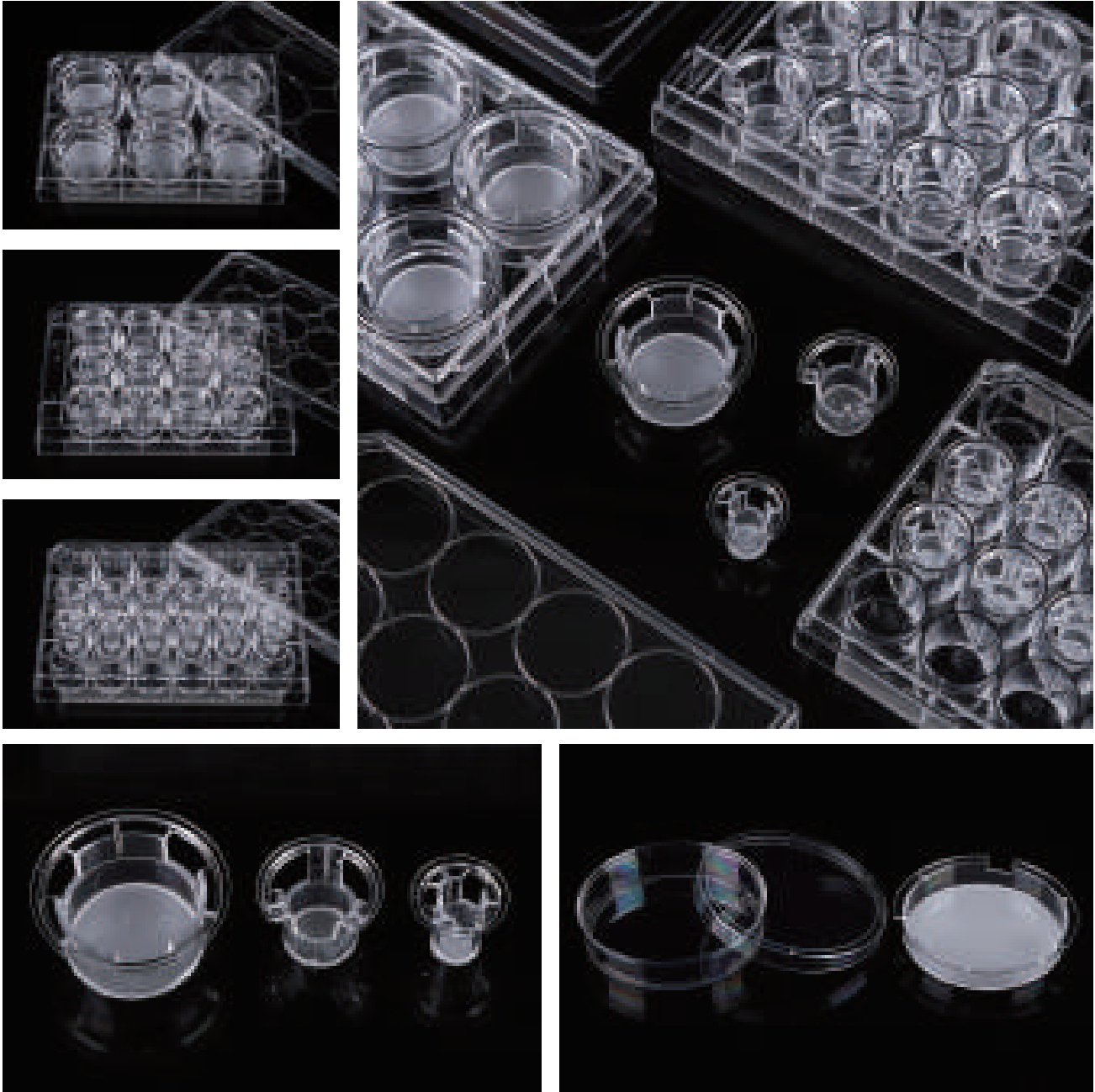
- NEST microplate have been designed for high content screening (HCS) assays in drug development and related areas. It is also suitable for homogeneous assays employing fluorescence intensity, FRET and TR-FRET where measurements are bottom-read.
- Black microplates are suited for fluorescent assays using either top or bottom detection microplate readers. Reduce cross influence.
- White microplates suited for luminescent assays using either top or bottom detection microplate readers.



Cell Culture Insert

Product Description:

Cell and tissue culture technologies have an increasing importance in the fields of basic and applied life science. New culture vessels and new surfaces for cell adsorption are continuously emerging, in order to simulate the internal environment as much as possible for culture of some special cell lines. Logically, using permeable supports with a microporous membrane becomes the basic method for culturing these cells. Permeable supports may effectively improve the culture of polar cells, because these supports allow cells to secrete on and absorb molecules from their basal and apical surfaces to metabolize in a more natural way, as well as to stimulate the *in vivo* environment to the maximum extent for culturing of some special cell lines.



Cell Culture Insert

Application Directions and Types

Applications	Cells	Pore size of Membrane
ADME (transport and permeation of compounds through the enterocyte barrier)	Caco-2, MDCK	0.4 μm
Co-culture and cell differentiation, cell imaging	Primary cells, tumor, stem cells	0.4 μm , 1.0 μm
Cell migration and invasion (angiogenesis)	Endothelial cells	3.0 μm
Cytochemotaxis (migration) or endothelial migration	Leukocytes	
Axonal hyperplasia	Neurons	
Tumor cell migration and invasion	Tumor-derived cells	8.0 μm
Hematotaxis or migration through endothelial cells	Leukocytes	
Co-culture	Tumor stem cells	
Transport and secretion of macromolecules or viruses		1.0 μm , 3.0 μm

Features

- Sterilized by E-beam, SAL=10⁻⁶.
- Vacuum Plasma tissue culture treatment.
- Non-Pyrogenic, DNase/Rnase free.
- A rich selection of matching plates: 6-well, 12-well, 24-well.
- Passed the USP VI toxicity test.
- Cell culture plates are made of high clarity, 100% virgin polystyrene.
- Clear lot number for batch traceability.
- Innovative edge design for convenient sample loading.
- Low protein binding to ensure accurate results.
- Compatible with most solvents used for fixing and staining.

Product Specification

Specifications	Insert Diameter (mm)	Volume of Each Well (mL)	Inner Volume of Insert (mL)	Membrane Growth Area of Insert (cm ²)
6 Well Plate	24	2.6	1.5	4.67
12 Well Plate	12	1.5	0.5	1.12
24 Well Plate	6.5	0.6	0.1	0.33
100mm Dish	75	13	9	44

Pore Size of Membrane (μm)	Membrane Density (Well/cm ²)
0.4	1x10 ⁸
1.0	2x10 ⁷
3.0	2x10 ⁶
5.0	4x10 ⁵
8.0	1x10 ⁵



Cell Culture Insert, PET Membrane

Individually packaged in peelable Tyvek film and blister, Sterile

PET membrane: excellent transparency, providing better optical clarity for easy observation of cell status.

TC Treated Cat. No.	Non-Treated Cat. No.	Description	Pore Size (μm)	Packing	
				Insert Packing	Plate Packing
723121	723131	6 Cell Culture Inserts+6 Well Plate	0.4	6	60
724121	724131	12 Cell Culture Inserts+12 Well Plate	0.4	12	120
725121	725131	12 Cell Culture Inserts+24 Well Plate	0.4	12	120
723021	723031	6 Cell Culture Inserts+6 Well Plate	3.0	6	60
724021	724031	12 Cell Culture Inserts+12 Well Plate	3.0	12	120
725021	725031	12 Cell Culture Inserts+24 Well Plate	3.0	12	120

Cell Culture Insert

Cell Culture Insert, PC Membrane

Individually packaged in peelable Tyvek film and blister, Sterile

PC membrane: low absorption rate, reduce the loss of small-molecule proteins and other compounds.

TC Treated Cat. No.	Non-Treated Cat. No.	Description	Pore Size (μm)	Packing	
				Insert Packing	Plate Packing
723001	723011	6 Cell Culture Inserts+6 Well Plate	3.0	6	60
724001	724011	12 Cell Culture Inserts+12 Well Plate	3.0	12	120
725001	725011	12 Cell Culture Inserts+24 Well Plate	3.0	12	120
723101	723111	6 Cell Culture Inserts+6 Well Plate	0.4	6	60
724101	724111	12 Cell Culture Inserts+12 Well Plate	0.4	12	120
725101	725111	12 Cell Culture Inserts+24 Well Plate	0.4	12	120
724201	724211	12 Cell Culture Inserts+12 Well Plate	5.0	12	120
725201	725211	12 Cell Culture Inserts+24 Well Plate	5.0	12	120
723301	723311	6 Cell Culture Inserts+6 Well Plate	8.0	6	60
724301	724311	12 Cell Culture Inserts+12 Well Plate	8.0	12	120
725301	725311	12 Cell Culture Inserts+24 Well Plate	8.0	12	120
726001	/	100 mm Cell Culture Insert-Dish	3.0	1	10

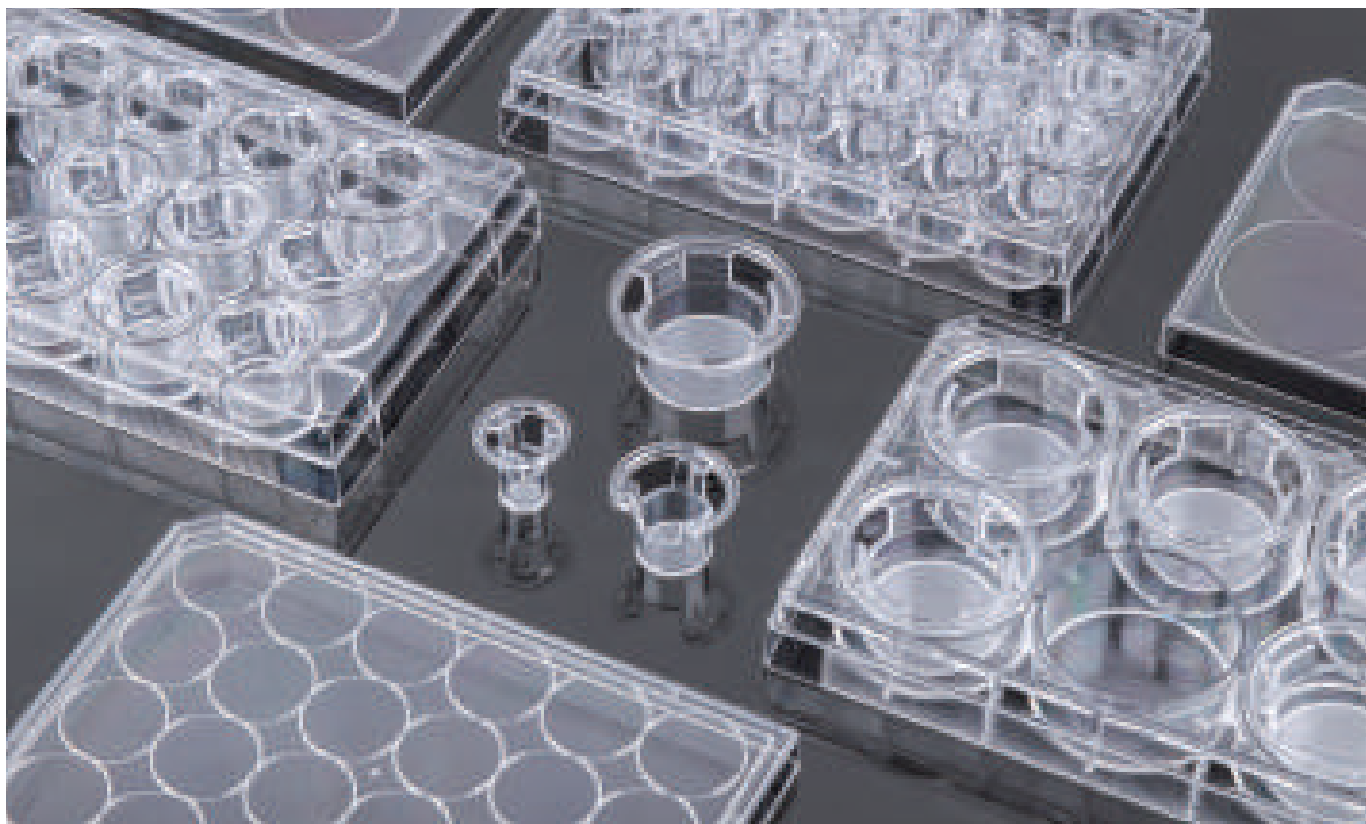
NEW PRODUCT

Cell Culture Insert

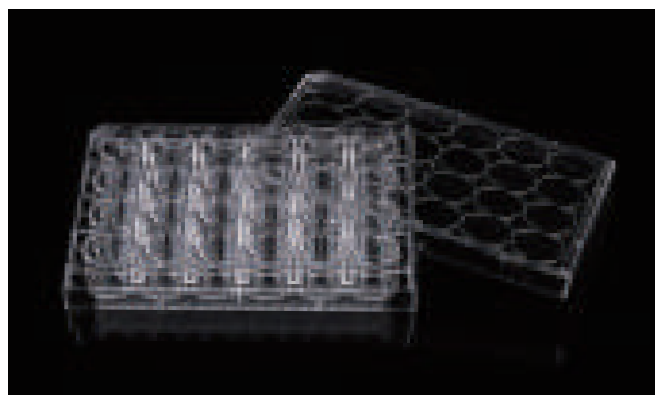
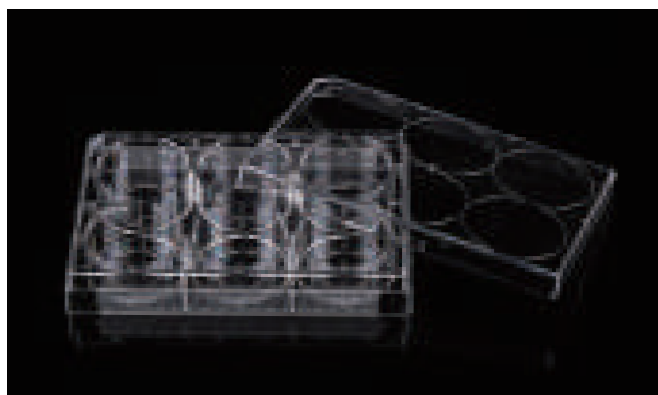
Coming
Soon.....

PET Membrane: add 1 μm & 8 μm .

Individually packaged in peelable Tyvek film and Blister, Sterile



Glass Bottom Cell Culture Dish / Plate



NEST glass bottom series are applied in confocal microscope, high resolution microscope, differential interference contrast microscope, polarized light microscope and phase contrast microscope for cell observation.

Features

- Can be used for live cell observation.
- Special bottom design for easy grip.
- Round cover glass insert for good appearance.
- Medical adhesive glue to guarantee non-cytotoxicity.
- Sterilized by E-beam, SAL=10⁻⁶.
- Made of high clarity, 100% virgin polystyrene and high clarity glass as bottoms.
- High quality cover glass of standard thickness.

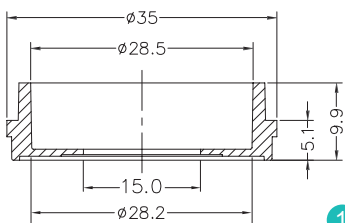
Glass Bottom Culture Dish

Cat.No.	Type (mm)	Glass Diameter (mm)	Cultivation Area (cm ²)	TC	/Pack	/Case
801002	35	15	6.2	Yes	10	200
801001	35	20	6.2	Yes	10	200

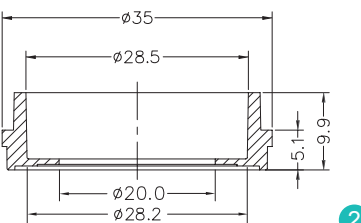


Glass Bottom Culture Plate

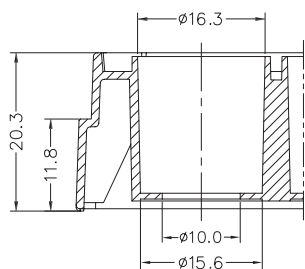
Cat.No.	Spec (Well)	Glass Diameter (mm)	Cultivation Area (cm ²)	TC	/Pack	/Case
801004	6	34.8	9.5	Yes	1	10
801006	24	15.6	1.9	Yes	1	10



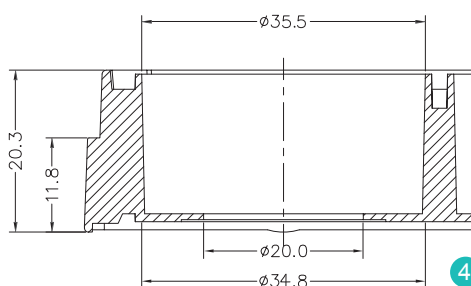
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2



3



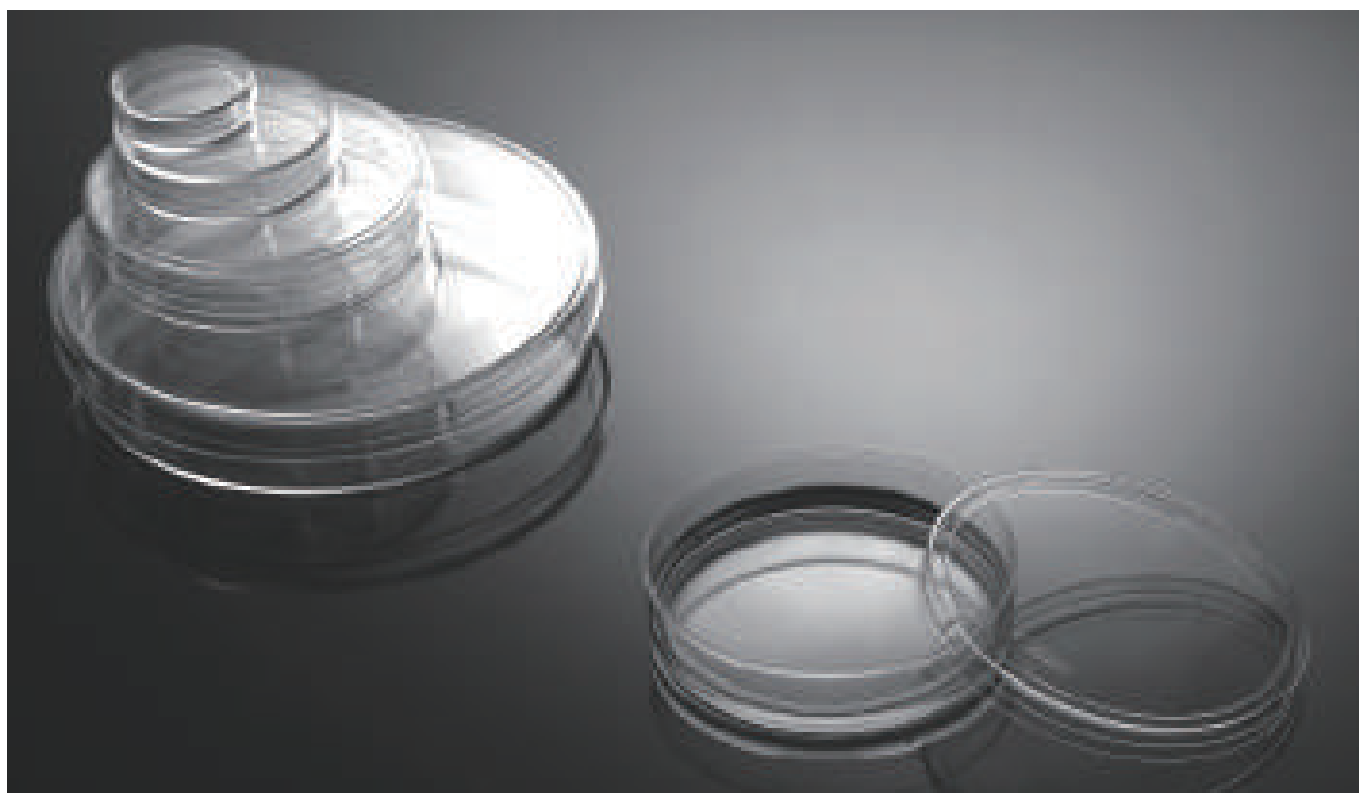
4



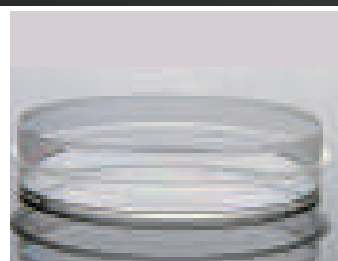
Unit: mm

- ① Φ15 Glass Bottom Dish
- ② Φ20 Glass Bottom Dish
- ③ 24 Well Glass Bottom Plate
- ④ 6 Well Glass Bottom Plate

Cell Culture Dish



35 mm Dish with Griping Ring



100 mm Dish with Griping Ring



Vent points for Gas Exchange



Sterilized Packing

NEST cell culture dishes are ideal for all types of culturing where microscopic examination is required. Numeric indicators on the bottom of each plate allow users to identify the location of cells.

Features

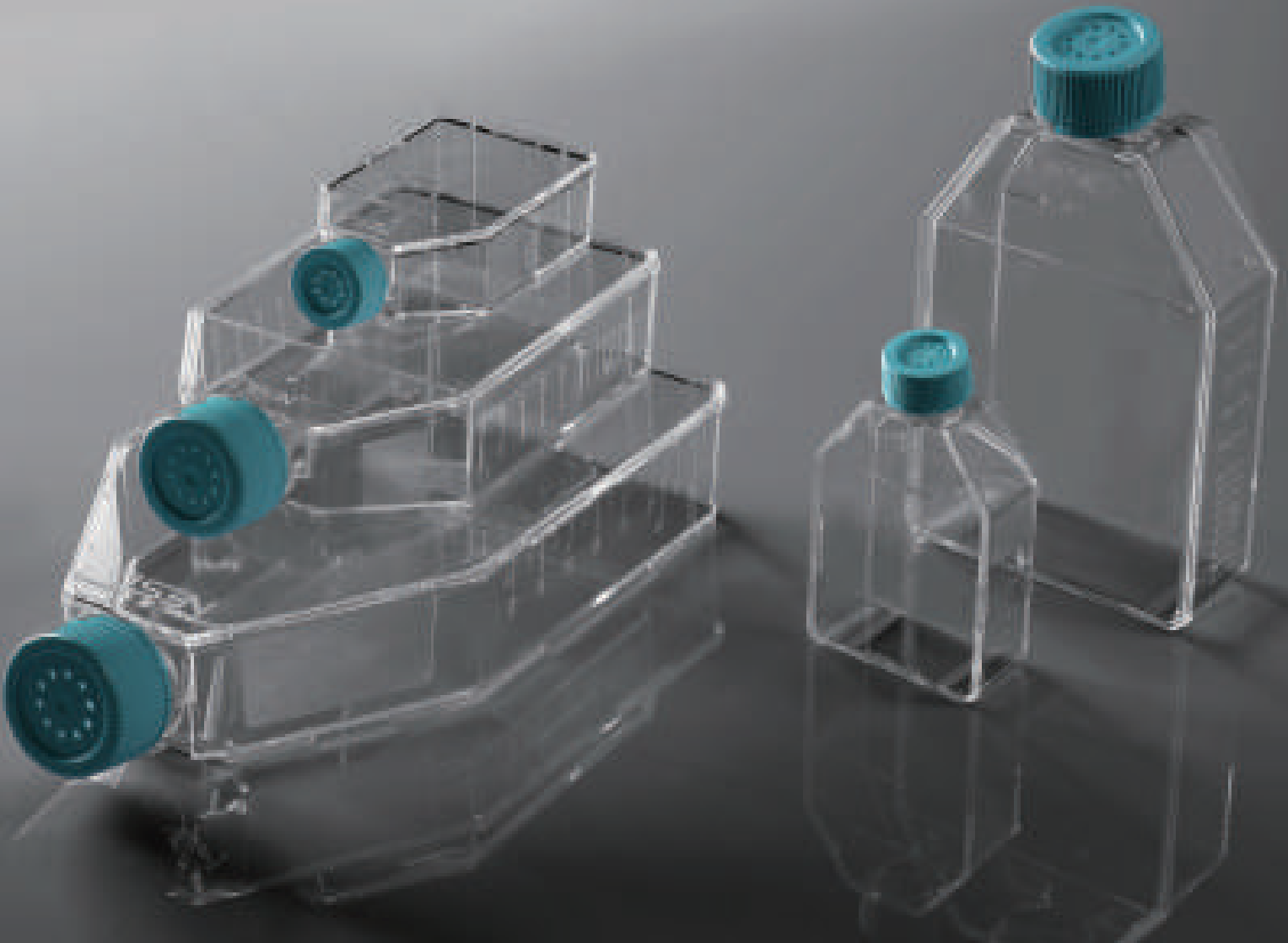
- High clarity, 100% virgin polystyrene.
- Flat transparent surface for distortion-free observation.
- Vacuum plasma TC treatment, excellent cell adherence.
- Stackable for easy storage and handling.
- Sterilized by E-beam, SAL=10⁻⁶.
- Non-Pyrogenic, DNase/Rnase free.

Cat.No.	Spec(mm)			Cell Growth Area (cm ²)	Rcommended Medium Volume (mL)	/Pack	/Case
	Type	Height	Diameter				
706001	35	12	33.6	8.5	1.8-2.7	20	500
706201	35, with Griping Ring	12	33.6	8.5	1.8-2.7	20	500
705001	60	15	55.2	22.9	4.2-6.3	20	500
704004	100	20	87.2	57.6	11-16.5	5	300
704002	100	20	87.2	57.6	11-16.5	10	300
704001	100	20	87.2	57.6	11-16.5	20	300
704202	100, with Griping Ring	20	86.9	59.3	11-16.5	10	300
704201	100, with Griping Ring	20	86.9	59.3	11-16.5	20	300
715001	150	25	139.9	150.1	30.4-45.6	5	100

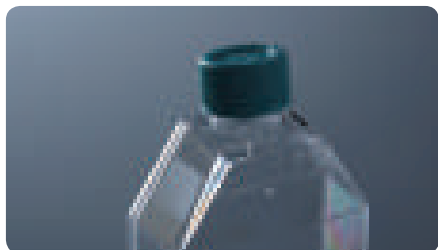
Cell Culture Flask

Features

- Made of high clarity, 100% virgin polystyrene.
- Sterilized by E-beam, SAL=10⁻⁶.
- Non-Pyrogenic, DNase/Rnase free.
- Frosted writing and clear graduations.
- Notched bottom for slip free stacking.
- Clear lot number for batch traceability.
- Packaged in sterile, zip-sealable bags.



Cell Culture Flask



Vent caps with 0.22 µm hydrophobic filters to ensure gas exchange without contamination



Vent caps and plug seal caps

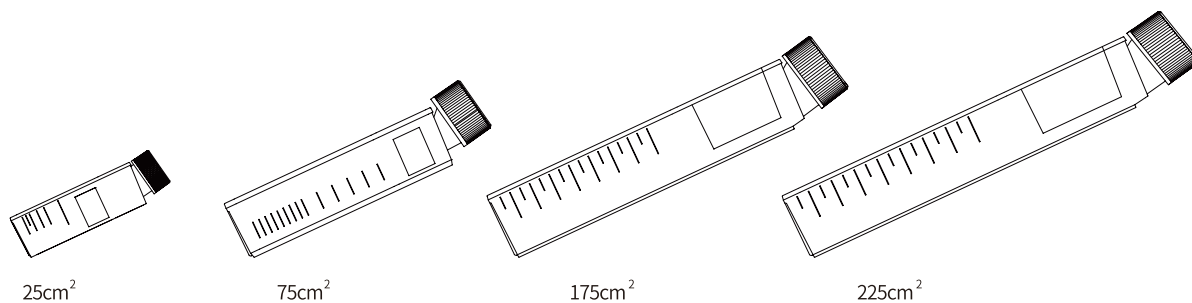


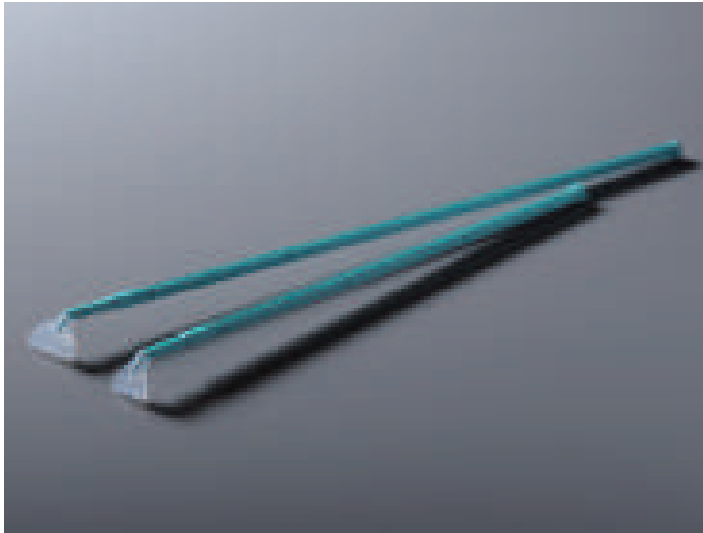
Yellow caps for non-treated flask

NEST cell culture flasks are available in cell growth areas ranging from 25cm² to 225cm². These flasks are available as issue culture treated or non-treated as well as with a vent cap or plug seal cap to meet your requirements.

Cat. No.	Description	/Pack	/Case
707001	25 cm ² Cell Culture Flask, Plug Seal Cap, TC Treated	10	200
708001	75 cm ² Cell Culture Flask, Plug Seal Cap, TC Treated	5	100
709001	175 cm ² Cell Culture Flask, Plug Seal Cap, TC Treated	5	40
721001	225 cm ² Cell Culture Flask, Plug Seal Cap, TC Treated	5	25
707003	25 cm ² Cell Culture Flask, Vent Cap, TC Treated	10	200
708003	75 cm ² Cell Culture Flask, Vent Cap, TC Treated	5	100
709003	175 cm ² Cell Culture Flask, Vent Cap, TC Treated	5	40
721003	225 cm ² Cell Culture Flask, Vent Cap, TC Treated	5	25

Cat. No.	Description	/Pack	/Case
707011	25 cm ² Cell Culture Flask, Plug Seal Cap, Non-Treated	10	200
708011	75 cm ² Cell Culture Flask, Plug Seal Cap, Non-Treated	5	100
709011	175 cm ² Cell Culture Flask, Plug Seal Cap, Non-Treated	5	40
721011	225 cm ² Cell Culture Flask, Plug Seal Cap, Non-Treated	5	25
707013	25 cm ² Cell Culture Flask, Vent Cap, Non-Treated	10	200
708013	75 cm ² Cell Culture Flask, Vent Cap, Non-Treated	5	100
709013	175 cm ² Cell Culture Flask, Vent Cap, Non-Treated	5	40
721013	225 cm ² Cell Culture Flask, Vent Cap, Non-Treated	5	25





Cell Scraper

Features

- Free rotating blade, makes the blade twist to the right direction.
- Two sizes are available.
- Easy-tear sterile packing.
- Sterilized by E-beam, SAL=10⁻⁶.
- Non-Pyrogenic, DNase/Rnase free.
- Individually Packaged.

Cat.No.	Spec(mm)		/Case
	Total Length	Blade Width	
710001	220	13	100
710011	280	20	100



Cell Strainer

Features

- Ideal for stem cell and tissue-derived primary cell preparation.
- Fits into nearly all 50ml conical tubes.
- Tab molded within upper ring enables easy sterile handling.
- Sterilized by E-beam, SAL=10⁻⁶.
- Non-Pyrogenic, DNase/Rnase free.
- Individually Packaged.

Cat.No.	Spec (µm)	Color	Sterile	/Case
258369	40	Blue	Sterile	50
258368	70	White	Sterile	50
258367	100	Yellow	Sterile	50



Cover Glass

Features

- High quality glass, non-cytotoxic
- Sterile, non-treated
- Manufactured in 100,000 grade clean room
- Resistant to organic solvent
- Autoclavable
- Can be used in confocal experiment

Cat.No.	Glass Diameter (mm)	Thickness (mm)	/Pack	Application
801010	14	0.17	100	24 Well Cell Culture Plate
801007	15	0.17	100	24 Well Cell Culture Plate
801011	18	0.17	100	12 Well Cell Culture Plate
801008	20	0.17	100	12 Well Cell Culture Plate
801009	25	0.17	100	6 Well Cell Culture Plate

15 / 50mL Min Bioreactor



This product is a test tube specially used to grow cells. It has good chemical resistance and high mechanical strength. Suitable for any 50ml standard centrifugal device.

Features

- USP VI Polypropylene.
- High transparency, easy to observe.
- Vent caps with 0.22 μm hydrophobic filters for gas exchange without contamination.
- Packaged in sterile, zip-sealable bags.
- Sterilized by E-beam, SAL= 10^{-6} .
- Non-Pyrogenic, DNase/Rnase free.
- Can be used for centrifugation.

Cat.No.	Volume (mL)	/Pack	/Case
788211	50	10	100

Large Scale Cultivation



5-Layer Cell Culture Flask

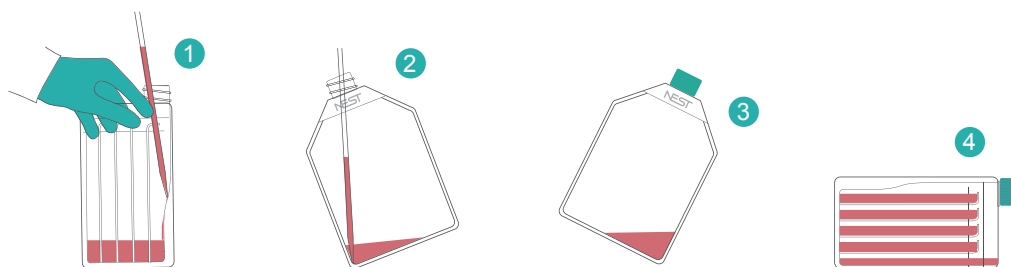


Features

- Made of high clarity, 100% virgin polystyrene.
- Sterilized by E-beam, SAL=10⁻⁶.
- Non-Pyrogenic, DNase/RNase free.
- Growth area: 870 cm².
- Individually Packaged in sterile bag.

Cat.No.	Cap Style	Recommended Medium Volume(mL)	TC	/Pack	/Case
731001	Plug Seal Cap	100-150	Yes	1	8
731002	Vent Cap	100-150	Yes	1	8

Guidelines For Use:

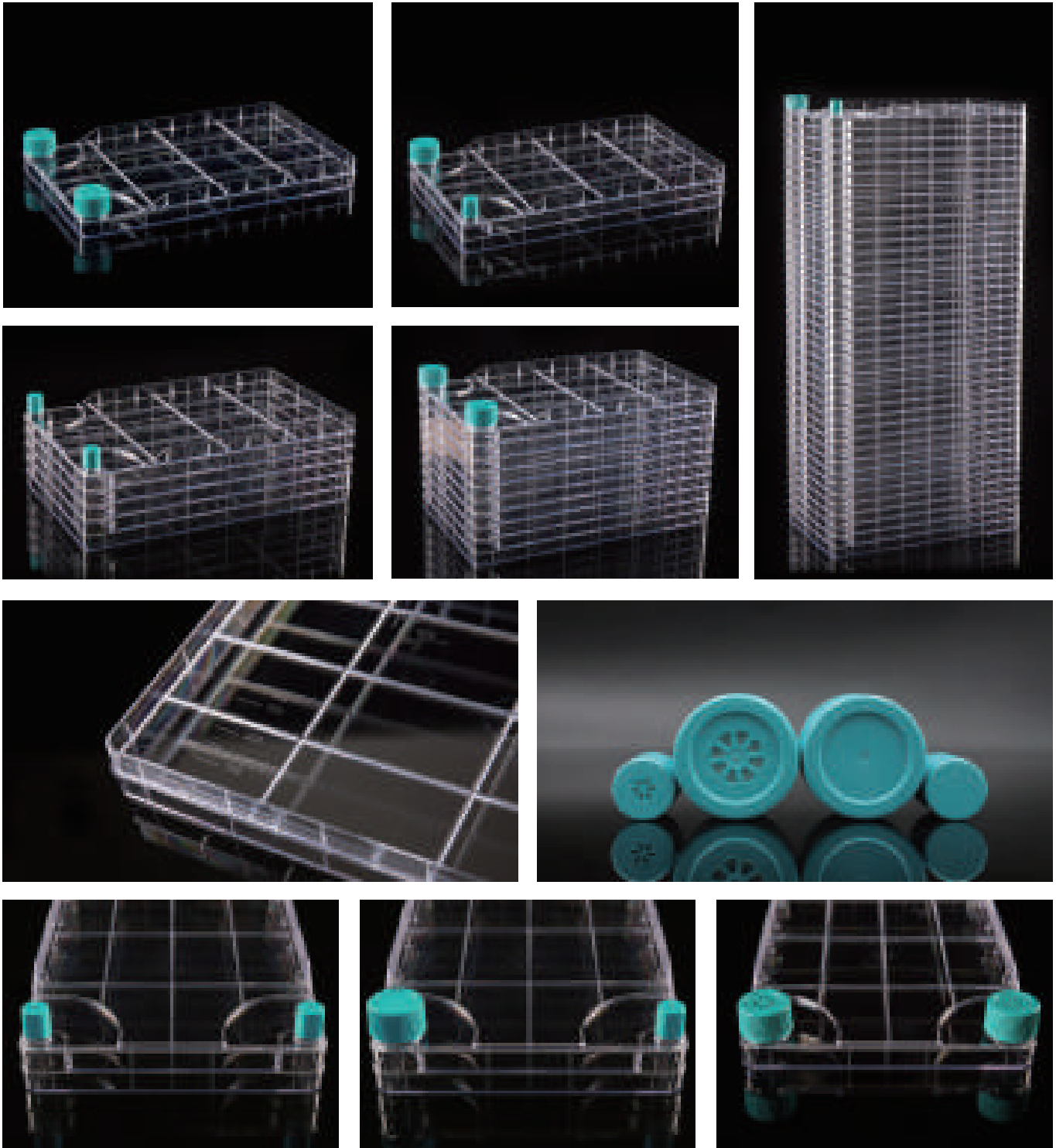


1. Mix cell suspension with medium: Prepare cell suspension of required concentration in a container. Recommended volume is about 30- 50mL per layer.
2. Add the mixed liquid into the Multi-layer Flask slowly with serological pipettes. To avoid foam and bubbles, allow liquid stream to flow along the slope of the Multi-layer Flask. (Save a little liquid in pipette each time.)
3. Tips: A 10 mL pipette allows media to be dispensed at the bottom of the vessel. A 25 mL pipette allows media to be dispensed just past the NEST Logo.
4. Hold the Multi-layer Flask upright with the Logo facing you and tilt clockwise to a 45° angle on a flat work surface to partition the liquid into each layer.
5. While holding the Multi-layer Flask at a 45° angle, gently lay it flat onto the work surface with logo facing up.
6. After placing the Multi-layer Flask flat on a work surface, gently rock back and forth and side-to-side to distribute cells evenly onto culture surfaces.
7. Tips: Be careful to avoid foaming of medium, and not to spill liquid from each layer.
8. Repeat Step 3 to put the flask quickly and slightly into the incubator. Then, lay it flat as shown in Step 4. You may choose to either aspirate or pour the media from Multi-layer Flask.
9. Aspirating method: To aspirate or remove media, tilt Multi-layer Flask, with the NEST Logo facing you, counter-clock wise to a 45° angle while inverting the Multi-Flask toward you. Then, tilt Multi-layer Flask to the right, continuing to aspirate all residual media.
10. Pouring method: With Logo facing you, pour spent media from Multi-layer Flask
11. Tips: Aspirate media using a NEST 2 mL or 10mL aspirating pipette.
12. Wash with buffer for one time and add dissociating reagent (≥5mL per layer). Then, follow Steps 3-4 to distribute to dissociating reagent to each layer.
13. Neutralize with inactivating solution and mix following Steps 3-4. Gently swirl to dislodge cells completely.
14. Follow Step 7 "Aspirating Method" protocol and collect cell suspension using a NEST 10mL serological pipette.
15. Follow Step 8 "Pouring Method". Pour the cell suspension into a NEST conical tube.
16. Rinse with additional wash buffer if needed.
17. Search "NEST Multi-layer Flask" video on NEST website or Youtube.

NEST BioFactory™ is a well-designed cell culture system that maximizes the culture area and saves the workshop space to achieve the purpose of expanding production capacity at low cost.

NEST BioFactory™ can be used for industrial-scale production such as vaccines, monoclonal antibodies and biopharmaceuticals. It is suitable for adherent cell culture. Linear amplification will not change the kinetic conditions of cell growth.

Specifications: single-layer, 2-layer, 5-layer, 10-layer, and 40-layer



Strict product quality supervision

Production environment--Class 10,000 clean production workshop

NEST Factory™ is produced in a dedicated 10,000-class clean room, and other products are produced in a 100,000-class clean room.

Production material--Strictly selected polystyrene conforming to USP Class VI standard

Production Process--Strictly follow SOP for production and quality control

Exquisite product design, high precision forming, ultrasonic welding, no chemical addition.

Surface treatment--Tissue culture treated

The surface of the cell culture container is treated with hydrophilic treatment to ensure that the cells adhere to the surface more evenly and stable with better adsorption capacity.

Product expiration date verification

The cell growth surface can still meet the cell growth requirements after three years of aging, and there is no positive result of the sterility test.

Biosafety testing

Refer to <<State Food and Drug Administration National Standards for Packaging Materials and Containers in Direct Contact with Drugs (Series 6)>>, The product is tested for cytotoxicity, sensitization, intradermal irritation, acute systemic toxicity and hemolysis.

Physical and chemical safety testing

Refer to <<State Food and Drug Administration National Standards for Packaging Materials and Containers in Direct Contact with Drugs (Series 6)>>, The products are tested for insoluble particles, ignition residues, metal elements, and dissolved substances (clarity, color, pH, UV absorbance, non-volatile matter, easy oxides, heavy metals).

Process testing

In order to ensure the structure and strength of the product, it is necessary to verify the performance of relevant equipment, such as injection molding machines, molds, plasma equipments, welding machines, leakage meter and so on before production. After production, the product should be verified for sealing, strength, dropping and transportation.

Cell growth test

Cell growth homogeneity experiment.

Cell factory validation test--Sterility and particle guarantee

Product initial bioburden test, irradiation dose setting, dose review, aseptic packaging verification, irradiation process verification, product sterility and particle testing.

Applicable cells

VERO、MRC-5、2BS、293T、L-929

Packaging strength verification

The breakage rate is less than 3% after repeated long distance delivery challenges.

Sterility Guarantee--Imported Rhodotron® TT200 electron accelerator from Belgian IBA company, Self-built irradiation center.

The irradiation sterilization process has passed ISO 13485 and ISO 11137 quality system certification.

NEST BioFactory™ Systems are compact, multi-layer, single-use cell culture systems designed for easy scale-up cell culture applications such as production of vaccines, monoclonal antibodies or pharmaceuticals. They're versatile and easy-to-use systems for medium to large scale research or commercial production with reduced contamination risk. Narrow mouth caps available for tubing solutions.

Features

- Made of high clarity, 100% virgin polystyrene.
- Sterilized by E-beam, SAL=10⁻⁶.
- Non-Pyrogenic, DNase/Rnase free.
- Individually packaged in double-layer sterile bags.
- TC treated, good for cell attachment and growth.
- Clear lot number for batch traceability.
- Ultrasonic welding without extrinsic ingredients.
- Excellent welding line design can avoid producing particles during welding and make the biofactory stronger (Under Features 7th line).
- Vent caps with 0.22 µm hydrophobic filters for gas exchange without contamination.
- Wide mouth is applicable to pour culture medium directly. Narrow mouth is applicable to operate with the aseptic pipeline.
- Growth kinetics are the same as cells grow in the cell culture flasks. Applicable to large-scale culture adherent cells.
- Large growing area. Just a single operate, you can cultivate a large number of cells and reduce contamination risk.
- Applicable to automatic machine.
- Standardize operations to reduce batch differences.

Cat.No.	Layer	Cultivation Area (cm ²)	Description	/Case
771001	1	632	2 Wide Plug Seal Caps with 16 Sterile Vent Caps Included Separately	8
771101	2	1,264	2 Wide Plug Seal Caps with 16 Sterile Vent Caps Included Separately	8
771204	5	3,160	2 Wide Plug Seal Caps with 8 Sterile Vent Caps Included Separately	4
771302	10	6,320	2 Wide Plug Seal Caps with 12 Sterile Vent Caps Included Separately	6
771403	40	25,295	2 Wide Plug Seal Caps with 4 Sterile Vent Caps Included Separately	2
772001	1	647	2 Narrow Plug Seal Caps with 16 Sterile Vent Caps Included Separately	8
772101	2	1,279	2 Narrow Plug Seal Caps with 16 Sterile Vent Caps Included Separately	8
772204	5	3,175	2 Narrow Plug Seal Caps with 8 Sterile Vent Caps Included Separately	4
772302	10	6,335	2 Narrow Plug Seal Caps with 12 Sterile Vent Caps Included Separately	6
772403	40	25,295	2 Narrow Plug Seal Caps with 4 Sterile Vent Caps Included Separately	2
773001	1	647	1 Wide + 1 Narrow Plug Seal Cap with 16 Sterile Vent Caps Included Separately	8
773101	2	1,279	1 Wide + 1 Narrow Plug Seal Cap with 16 Sterile Vent Caps Included Separately	8
773204	5	3,175	1 Wide+ 1 Narrow Plug Seal Cap with 8 Sterile Vent Caps Included Separately	4
773302	10	6,335	1 Wide + 1 Narrow Plug Seal Cap with 12 Steril Vent Caps Included Separately	6
773403	40	25,295	1 Wide + 1 Narrow Plug Seal Cap with 4 Sterile Vent Caps Included Separatel	2

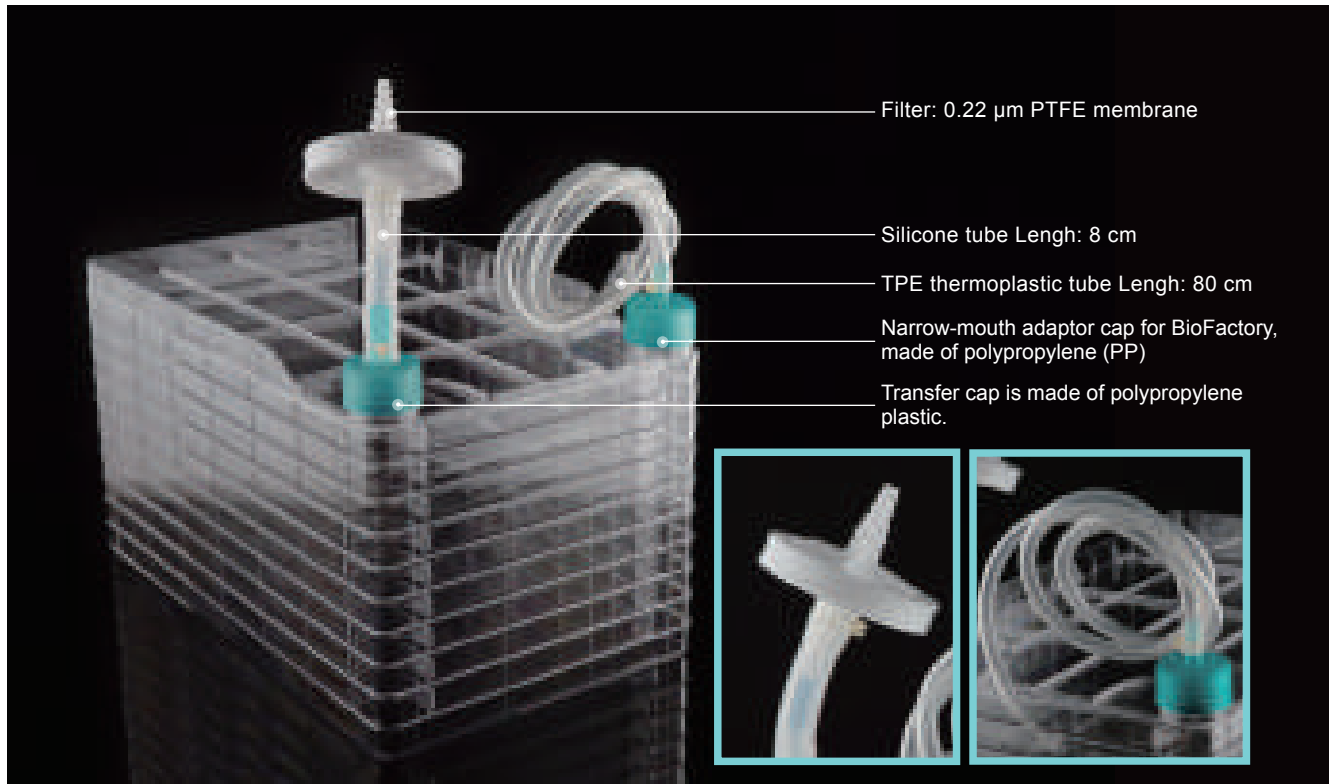
Large mouth design for easy pouring of the medium directly;

Small mouth design for easy connection with the feeding systems;

Vent Cap : 0.22 µm hydrophobic gas permeable membrane, hindering bacteria and water, can also avoid liquid swelling.

BioFactory™ 10 Chamber, Pre-installed with Transfer Cap System

“NEST BioFactory™ (10 Chambers) pre-installed with transfer cap system” is a pre-installed set of transfer tubes and a filter, which can directly transfer culture media and cells to or out of BioFactory™ in a sterile environment. By connecting tubes, without change caps or connect tubes, the risk of exogenous pollution in the drug development and production process is greatly reduced, while simultaneously omitting the operations of tube design, assemble and sterilization to improve the production efficiency.



Features

- Closed liquid transfer, avoiding open operation and reducing the risk of pollution in the process of liquid transfer
- The liquid inlet tube can be aseptically welded under a normal environment
- High-quality materials and smooth inner wall of the tube, ensuring an excellent transmission performance
- Electron beam sterilization, SAL = 10^{-6}
- No endotoxin and no components of animal origin

Cat.No.	Description	/Case
774301	Biofactory™ 10 Chamber Pre Installed with a Vent Filter (0.22 µm , 62 mm Diameter) and a 80 mm Hose(1/4" ID, 3/8" OD)	2

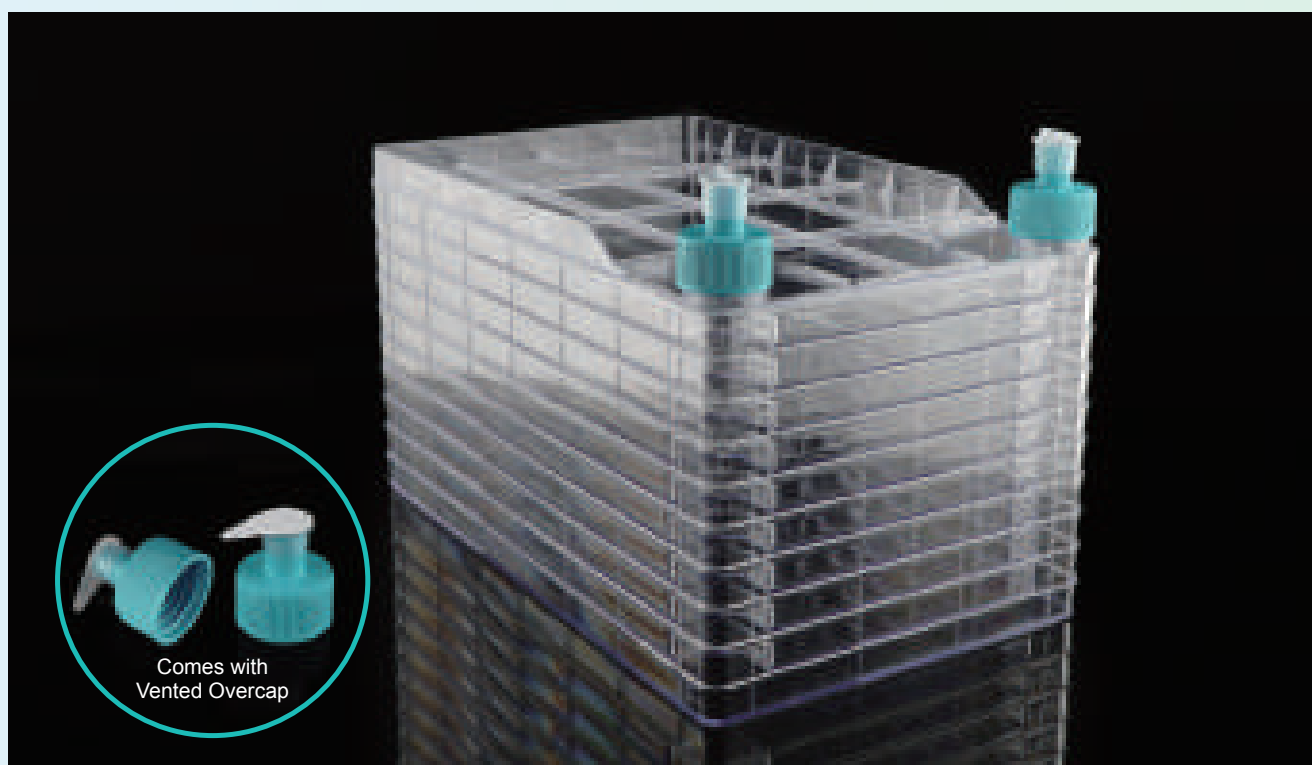


NEW PRODUCT

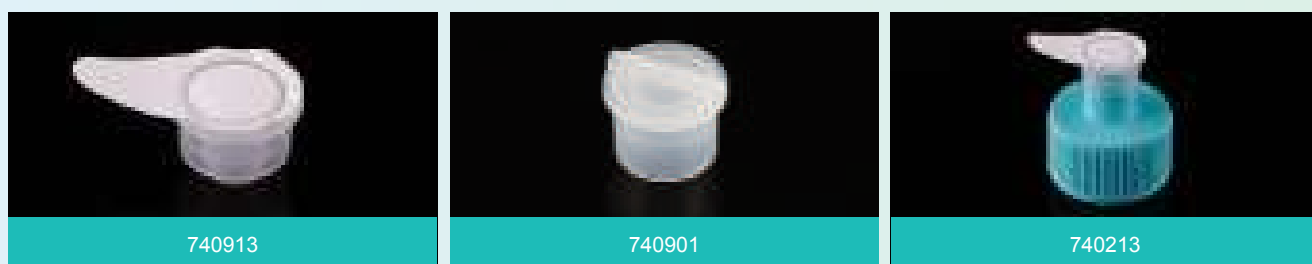
BioFactory™ 10 Chambers (Cap with Overcap)

Features

Vented Overcap and Solid Overcap can be used directly on the adaptor caps to block dust and bacteria. Vented Overcap is equipped with a 0.22 µm hydrophobic breathable membrane to achieve aseptic ventilation during liquid transfer.



Cat.No.	Description	/Case
771322	NEST BioFactory™ 10 Chamber with 2 Solid Overcaps, TC, Sterile (with 12 Sterile Vented Overcaps Included Separately)	6
771422	Nest BioFactory™ 40 Chamber with 2 Solid Overcaps, TC, Sterile, (with 4 Sterile Vented Overcaps Included Separately)	2



Cat.No.	Description	/Pack	/Case
740913	Filter Adapter Cap	1	20
740901	Solid Overcap	1	20
740213	Cap with Filter Adapter Cap	1	10

Guidelines for use

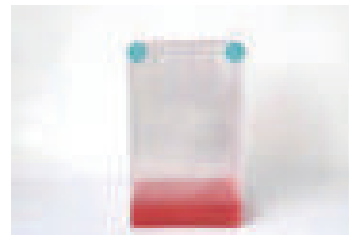
Cell culture



Pour the prepared suspension into the BioFactory™ (recommended volume of 150-200 mL per layer).



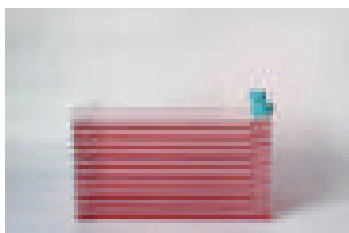
Turn the BioFactory™ Chamber 90° make sure the liquid at the same horizontal.



Turn the BioFactory™ Chamber 90° so that the filling and venting ports are up (as shown). It is normal for the medium level in the bottom chamber section to be slightly higher.



Gently lower the BioFactory™ Chamber to its normal horizontal incubation position and gently tilt the chamber back and forth until the surface of each chamber is completely covered with medium.



Put the BioFactory™ into the incubator.



Watch operation video

Precautions

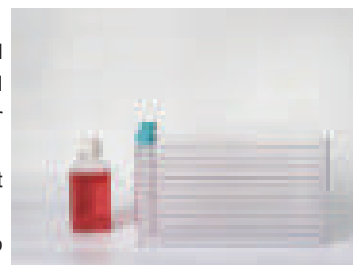
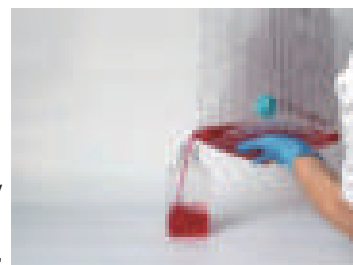
1. Please pre-heat the cell factory and culture medium to the culture temperature: since it takes a long time for a large incubator to reach the set culture temperature, pre-heating the cell factory and culture medium to the culture temperature before starting the experiment may speed up cell attachment and significantly increase cell recovery.
2. Slow operating is required to avoid occurrence of air bubbles caused by sharp shaking: air bubbles may lead to flowing the medium from an upper layer to a lower layer.
3. Avoid spraying alcohol onto the breathable cover, since alcohol may wet the hydrophobic membrane filter and make it impermeable and consequently affect the gas exchange or cause pressure imbalance during operations.

Cell Harvest

1. After the culture is completed, pour the culture medium out.
2. Wash the factory with the calcium-free and magnesium-free phosphate buffer solution (CMF-PBS) (40-50 mL / layer) and if necessary, repeat the washing process.
3. Digestion: pre-heat the digestion solution (10-40 mL / layer) in advance.
4. Collection: centrifuge for 5 min at 1000 rpm, remove the digestion solution and collect cells.
5. Washing: wash the incubator with CMF-PBS or culture medium after digestion.

Precautions

1. Ensure that the culture surface of each layer is completely immersed in the CMF-PBS, and gently shake the cell factory forward and backward to wash off the residual culture medium.
2. Distribute the digestion solution evenly to each layer; gently tilt the incubator forward and backward, left and right to ensure that the digestion solution has completely covered the culture surface; gently tap the incubator to help the cells detach from the surface.
3. Since it is unable to clearly observe the digestion status of the cells in the middle layers of a cell factory, it is recommended to refer to the digestion status of a culture flask or a single-layer cell factory under exactly the same culture conditions. Or, use a dedicated observation platform for multiple-layer cell incubators to observe the growth status of cells in each layer.
4. If there are numerous cells present in the washing solution or the culture layers of the cell factory, it is necessary to wash multiple times or adjust the procedure of cell digestion.
5. Even a slight deviation of the culture temperature may affect the cell harvest rate, so it is required to pay close attention as to whether or not the culture temperature is exactly the set temperature.



PETG Erlenmeyer Flask, Flat-bottom



Features

- PETG Bottle.
- Sterilized by E-beam, SAL=10⁻⁶.
- Non-Pyrogenic, DNase/Rnase free.
- Both vent filter caps and seal caps are available.
- Vent caps with 0.22 µm hydrophobic filters for gas exchange without contamination.

Cat.No.	Description	Dimension (mm)			/Case
		Height	Bottleneck Dia	Bottom Dia	
781001	125 mL PETG Erlenmeyer Flasks, Flat Bottom, Seal Caps	106.8	34	66	24
781011	125 mL PETG Erlenmeyer Flasks, Flat Bottom, Vent Filter Caps	106.8	34	66	24
782001	250 mL PETG Erlenmeyer Flasks, Flat Bottom, Seal Caps	137.8	34	83	12
782011	250 mL PETG Erlenmeyer Flasks, Flat Bottom, Vent Filter Caps	137.8	34	83	12
783001	500 mL PETG Erlenmeyer Flasks, Flat Bottom, Seal Caps	175.8	39	101	12
783011	500 mL PETG Erlenmeyer Flasks, Flat Bottom, Vent Filter Caps	175.8	39	101	12
784001	1000 mL PETG Erlenmeyer Flasks, Flat Bottom, Seal Caps	213.3	39	127	6
784011	1000 mL PETG Erlenmeyer Flasks, Flat Bottom, Vent Filter Caps	213.3	39	127	6

PC Erlenmeyer Flask, Flat-bottom



Features

- PC Bottle.
- Vent caps with 0.2 μm hydrophobic filters for gas exchange without contamination.
- Individually packaged in sterile bags
- Sterilized by E-beam, SAL= 10^{-6} .
- Non-Pyrogenic, DNase/Rnase free.

Cat.No.	Volume (L)	Cap Style	Size(mm)			/Case
			Height	Bottleneck Diameter	Bottom Diameter	
785001	2	Seal Cap	285	47	162	6
785011	2	Vent Filter Cap	285	47	162	6
786001	3	Seal Cap	253	62	230	4
786011	3	Vent Filter Cap	253	62	230	4

Cat.No.	Description
785913	Vent Cap for 2L Erlenmeyer Flasks, sterilized, 1/pk, 20/cs
786913	Vent Cap for 3L Erlenmeyer Flasks, sterilized, 1/pk, 20/cs

Precautions

The amount of culture medium should be well-controlled: around 30%-40% of the total volume of the flask.

For the control of the rotation speed during the cultivation process, it is recommended that the starting rotation speed is 75-125 rpm which can be adjusted in practice.

Pay attention to the water level in a liquid-oscillating shaker, or the temperature in an air-oscillating shaker.

NEW PRODUCT

125-1000 mL
PC Erlenmeyer Flask

Coming Soon.....

Features

The material of 125-1000 mL PC Erlenmeyer Flasks is polycarbonate (PC), which can better resist external impacts, is not easy to break, high temperature resistance, oxidation resistance, low wall hanging, and cell survival and activity have been significantly increased.



NEW PRODUCT

PC Erlenmeyer Flask, Baffled

Coming Soon.....

Advantage of Baffled Bottom

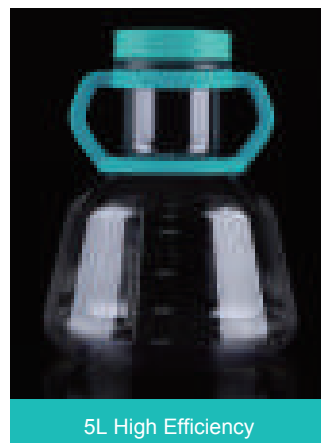
Baffle-designed erlenmeyer flasks promote optimal and consistent solution agitation when used with flask shakers.

Features

- PC Bottle.
- Vent caps with 0.2 µm hydrophobic filters for gas exchange without contamination.
- Individually packaged in sterile bags.
- Sterilized by E-beam, SAL=10⁻⁶.
- Non-Pyrogenic, DNase/Rnase free.



PC Erlenmeyer Flask, High Efficiency



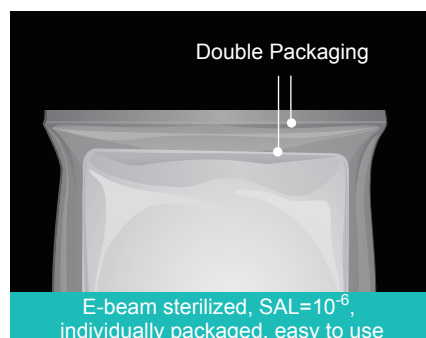
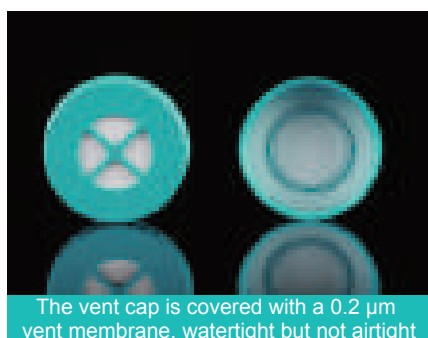
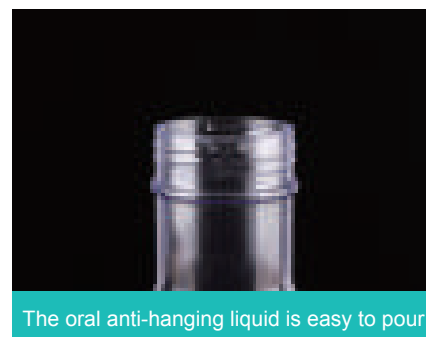
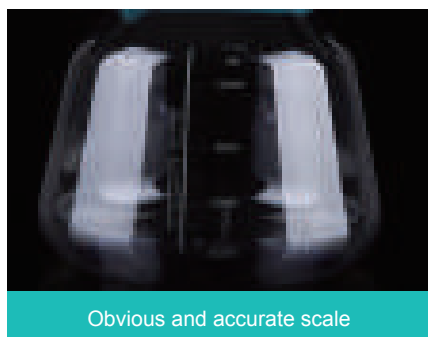
High-efficiency, large-volume culture flasks allow cells to show strong viability with large expression amount of proteins in the culture of mammalian cells and insect cells. During the culturing process, the use rate of the shaker is significantly increased, and the survival rate and viability of cells are both dramatically elevated. NEST culture flasks also provide high repeatability, which allows highly inter-batch consistency of cell growth and yield.

Features

- PC bottle, which meets the USP Class 6 Standard, with high transparency, has strong impact resistance, oxidation resistance and can withstand a high temperature up to 121 C .
- There's a scale made by injection molding on the flask body to facilitate observing the filled liquid volume.
- Sterilized by E-beam, SAL=10⁻⁶.
- Non-Pyrogenic, DNase/Rnase free.
- Individually packaged in sterile bag.

Advantage of 3L Wide-mouth High Efficient Erlenmeyer Flask, Flat-bottom

The bottom diameter of the 3L wide-mouth high efficiency erlenmeyer flask is consistent with that of the 3L high efficiency erlenmeyer flask, and its mouth diameter adopts the neck size of the 5L high efficiency erlenmeyer flask, which not only saves space usage, but also increases oxygen flux, also increasing the efficiency of cell culture.

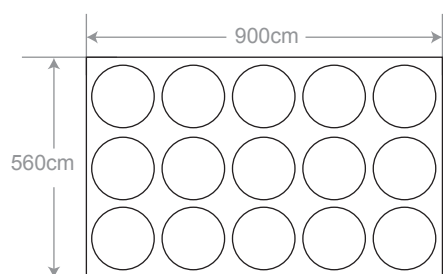


PC Erlenmeyer Flask, High Efficiency

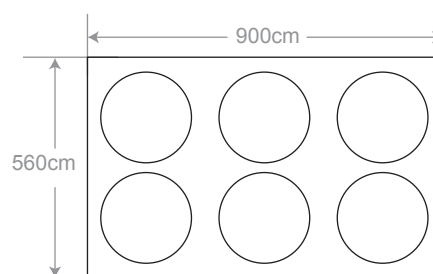
Cat.No.	Description	Dimension (mm)			/Case
		Height	Bottleneck Dia	Bottom Dia	
785101	2L PC High Efficient Erlenmeyer Flasks, Flat-bottom, Seal Caps	213.5	67	162	4
785111	2L PC High Efficient Erlenmeyer Flasks, Flat-bottom, Vent Filter Caps	213.5	67	162	4
786101	3L PC High Efficient Erlenmeyer Flasks, Flat-bottom, Seal Caps	253.5	67	162	4
786111	3L PC High Efficient Erlenmeyer Flasks, Flat-bottom, Vent Filter Caps	253.5	67	162	4
787001	5L PC High Efficient Erlenmeyer Flasks, Flat-bottom, Seal Caps	285.5	90	230	4
787011	5L PC High Efficient Erlenmeyer Flasks, Flat-bottom, Vent Filter Caps	285.5	90	230	4
786501	3L PC High Efficient Erlenmeyer Flasks, Wide-mouth, Flat-bottom, Seal Caps	253.5	90	162	4
786511	3L PC High Efficient Erlenmeyer Flasks, Wide-mouth, Flat-bottom, Vent Filter Caps	253.5	90	162	4

Cat.No.	Description	TC
786913	Vent Cap for 2&3L High Efficient Erlenmeyer Flasks, sterilized, 1/pk, 20/cs	Yes
787913	Vent Cap for 3L Wild-mouth Efficient/5L Erlenmeyer Flasks, 1/pk, 20/cs	Yes

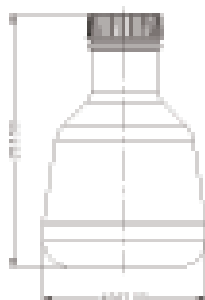
High Efficient Erlenmeyer Flask VS Erlenmeyer Flask



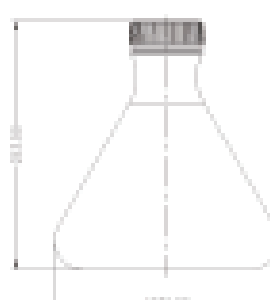
3L High Efficiency Erlenmeyer Flask



3L Erlenmeyer Flask



3L High Efficiency Erlenmeyer Flask

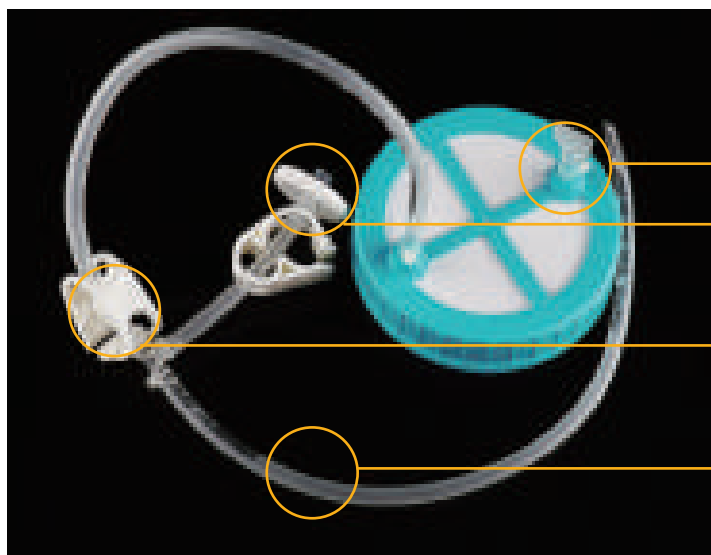


3L Erlenmeyer Flask

Take 3L high efficient erlenmeyer flask and 3L conical erlenmeyer flask as example:

- For a same shaker, more 3L High Efficient Erlenmeyer Flask can be placed on to greatly reduce the usage rate of the shaker to reduce the client's R&D costs.
- The amount of foam can be efficiently controlled by low shear force created by cells (3L high efficiency erlenmeyer flask and 3L conical erlenmeyer flask as example).
- The breathable membrane area of the High Efficiency Erlenmeyer Flask cover is bigger, which enables a higher oxygen flux.
- Equipped with Transfer Cap, more safe and convenient operation.

5L High Efficient Erlenmeyer Flask (with tube)



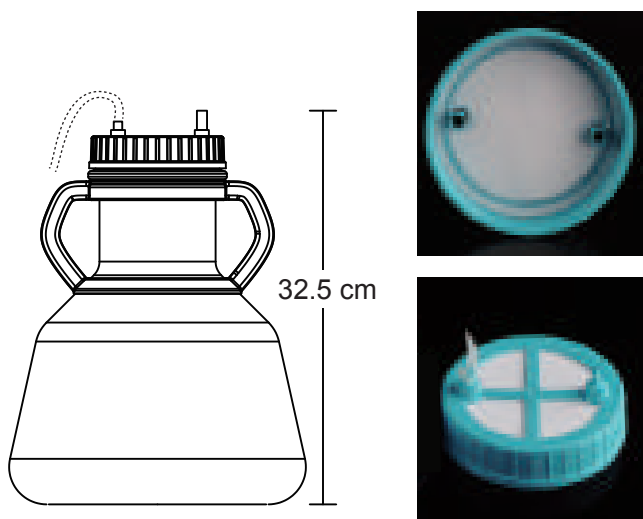
Reserved mouth, have been sealed, for other function demands.

Syringe Filter 0.22 μ m PTFE, 1 pcs

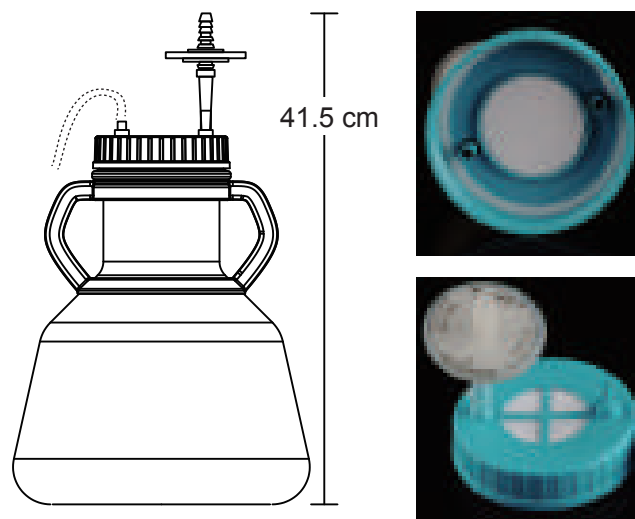
Tube Clamp, 2 pcs

TPE thermoplastic tube, for liquid transfer, can be aseptically welded in conventional environments by professional instrument.

787081 New Product
5L High Efficient Erlenmeyer Flask with Tube



5L High Efficient Erlenmeyer Flask and Multi-function Transfer Cap



Features

- It is pre-installed on the High Efficiency Erlenmeyer Flask, which realizes the closed transfer of liquid and reduces the risk of external contamination during the process of capping and screwing
- The Transfer Cap comes with a large filter membrane and high oxygen flux. No external air filter is required to ensure high-density culture of cells. While the overall height is reduced, the applicable range of the shaker is wider, and the utilization rate of the shaker is increased.

Cat.No.	Product Name	Tube Information	Tube Length	/Case
787081	5L High Efficient Erlenmeyer Flask (with tube)	TPE Thermoplastic Hose, Hose Diameter: 1/8" ID, 1/4" OD	30 cm + 30 cm	4

NEW PRODUCT

PC High Efficient Erlenmeyer Flask, Baffled

Advantage of Baffled Bottom

Baffle-designed erlenmeyer flasks promote optimal and consistent solution agitation when used with flask shakers.

Features

- PC bottle, which meets the USP Class 6 Standard, with high transparency, has strong impact resistance, oxidation resistance and can withstand a high temperature up to 121 °C.
- There's a scale made by injection molding on the flask body to facilitate observing the filled liquid volume.
- Sterilized by E-beam, SAL=10⁻⁶.
- Non-Pyrogenic, DNase/Rnase free.
- Individually packaged in sterile bag.

Cat.No.	Description	Dimension (mm)			/Case
		Height	Bottleneck Dia	Bottom Dia	
785105	2L PC High Efficient Erlenmeyer Flasks, with Baffles, Seal Caps	213.5	67	162	4
785115	2L PC High Efficient Erlenmeyer Flasks, with Baffles, Vent Filter Caps	213.5	67	162	4
786105	3L PC High Efficient Erlenmeyer Flasks, with Baffles, Seal Caps	253.5	67	162	4
786115	3L PC High Efficient Erlenmeyer Flasks, with Baffles, Vent Filter Caps	253.5	67	162	4
786505	3L PC High Efficient Erlenmeyer Flasks, Wide-mouth, with Baffles, Seal Caps	253.5	90	162	4
786515	3L PC High Efficient Erlenmeyer Flasks, Wide-mouth, with Baffles, Vent Filter Caps	253.5	90	162	4

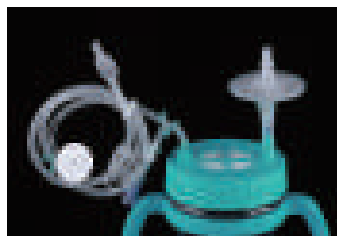


Transfer Cap System



Bi-directional Liquid Transfer Cap

Bi-directional liquid transfer cap is used along with a 2L, 3L or 5L shake flask to connect a liquid inlet tubing with the required device. The liquid transfer is achieved by connection of a peristaltic pump between the erlenmeyer flask and the device. Upon completion of the transfer, the transfer cap can be replaced with a vent cap for culture.



Multifunctional Liquid Transfer Cap

Unlike the bi-directional liquid transfer cap, the multifunctional transfer cap can be directly placed in an incubator for culture after the liquid transfer is completed. It can reach a large air flux. The sampling part is composed of a sampling nozzle and a one-way valve, which can prevent the liquid from flowing backwards during the sampling process and ensure the aseptic sampling. The liquid inlet tubing is provided with a PTFE needle filter, which solves the issue of liquid remaining in the tubing during the feeding process.



Inverted Liquid Transfer Cap

The inverted transfer cap is used along with a 2L, 3L or 5L erlenmeyer flask to connect a liquid inlet tubing with the required device. When liquid transfer is required, the liquid is transferred under gravity with the inverted erlenmeyer flask.

Features

- Closed system reduces the risks of contamination during liquid transfer.
- The caps and connection points are a one-piece construction, reducing the risks of leakage and media residue.
- A variety of tubing diameters are available and aseptic welding of liquid inlet tubing under normal conditions is supported.
- High-quality materials and smooth inner wall of the tubing provide an excellent transfer performance.
- Sterilized by E-beam, SAL=10⁻⁶.
- Endotoxin-free, and no ingredients of animal origin.
- Individually packaged in sterile bag.

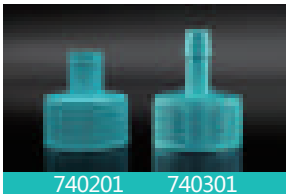
Compatible with High Efficient Erlenmeyer Flask

- It is applicable to liquid transfer and culture during mass proliferation of bacteria and suspension cells.

Cat.No.	Name	Description of Pipe	Pipe Length (cm)	/Case
785931	Multifunctional Liquid Transfer Cap for 2L	Thermoplastics Pipes Pipe Diameter: 1/8" ID, 1/4" OD, Pipe Connect: Aseptic welding / Heat-seal	50 cm	4
786931	Multifunctional Liquid Transfer Cap for 3L		50 cm	4
787931	Multifunctional Liquid Transfer Cap for 5L, and 3L Wide-mouth		92 cm	4
785921	Bi-directional Liquid Transfer Cap for 2L		50 cm	4
786921	Bi-directional Liquid Transfer Cap for 3L		50 cm	4
787921	Bi-directional Liquid Transfer Cap for 5L, and 3L Wide-mouth		92 cm	4
785941	Inverted Liquid Transfer Cap for 2L		50 cm	4
786941	Inverted Liquid Transfer Cap for 3L		50 cm	4
787941	Inverted Liquid Transfer Cap for 5L, and 3L Wide-mouth		92 cm	4
785951	Inverted Liquid Transfer Cap for 2L, Thick Outlet Pipe	Thermoplastics Pipes Pipe Diameter: 1/4" ID, 7/16"OD, Pipe Connect: Aseptic welding / Heat-seal	50 cm	4
786951	Inverted Liquid Transfer Cap for 3L, Thick Outlet Pipe		50 cm	4
787951	Inverted Liquid Transfer Cap for 5L, and 3L Wide-mouth, Thick Outlet Pipe		92 cm	4



Cat.No.	Description	/Pack	/Case
740001	Wide Mouth Seal cap for BioFactory	1	10
740011	Wide Mouth Vent cap for BioFactory	1	10
740101	Narrow Mouth Seal cap for BioFactory	1	10
740111	Narrow Mouth Vent cap for BioFactory	1	10



Cat.No.	Description	/Pack	/Case
740201	Adaptor Cap Wide Mouth to Narrow Mouth	1	10
740301	Adaptor Cap Wide Mouth to 3/8 Inches(9.5 mm) Hose	1	10

740201 740301



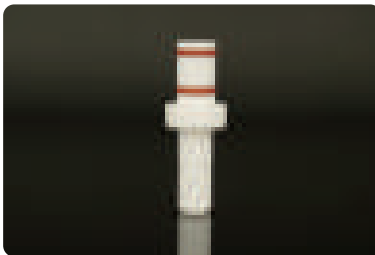
744001 SPT-50 Hose

Inner Dia # 3/8 Inches (9.5 mm) , Outer Dia # 5/8 Inches (15.9 mm) , 50 Inches/ 15 meters
1 pcs / pack



746001 C-Flex Welding Hose

Inner Dia# 3/8 Inches (9.5 mm) ,
Outer Dia# 5/8 Inches (15.9 mm) ,
50 Inches/ 15 meters
1 pcs / pack



741001 Adaptor Connector

Adaptor Connector to 3/8 Inches (9.5 mm)Hose
1 pcs / pack



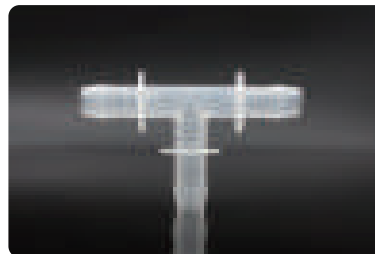
743001 Hose Clamp

Hose clamp for 12-18 mm diameter hose
10 pcs / pack



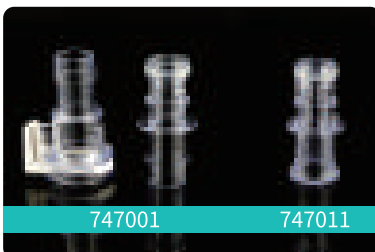
751001 Y Shape Connector

Y Shape CPC Connector for Inner Dia #3/8 Hose
1 pcs / pack, 5 pcs / case



749001 T Shape Connector

T Shape CPC Connector for Inner Dia #3/8 Hose
1 pcs / pack, 5 pcs / case



747001

747011

747001 CPC Connector

(Inner Dia #3/8) for Hose to Hose Connecting
1 pcs / pack, 5 pcs / case

747011 CPC Sealing Plug

10 pcs / case



0.22µm , Vent Filter

742001 Dia 62 mm

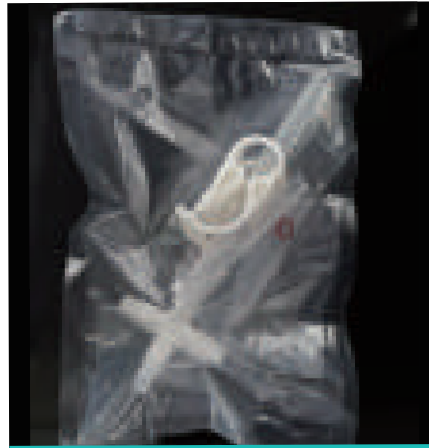
742011 Dia 56 mm

1 pcs / pack, 5 pcs / case

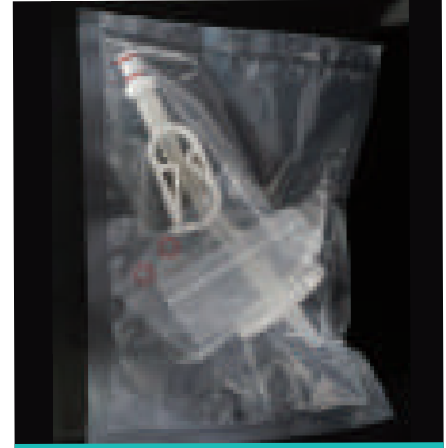
Accessorie



745001



745021



745011

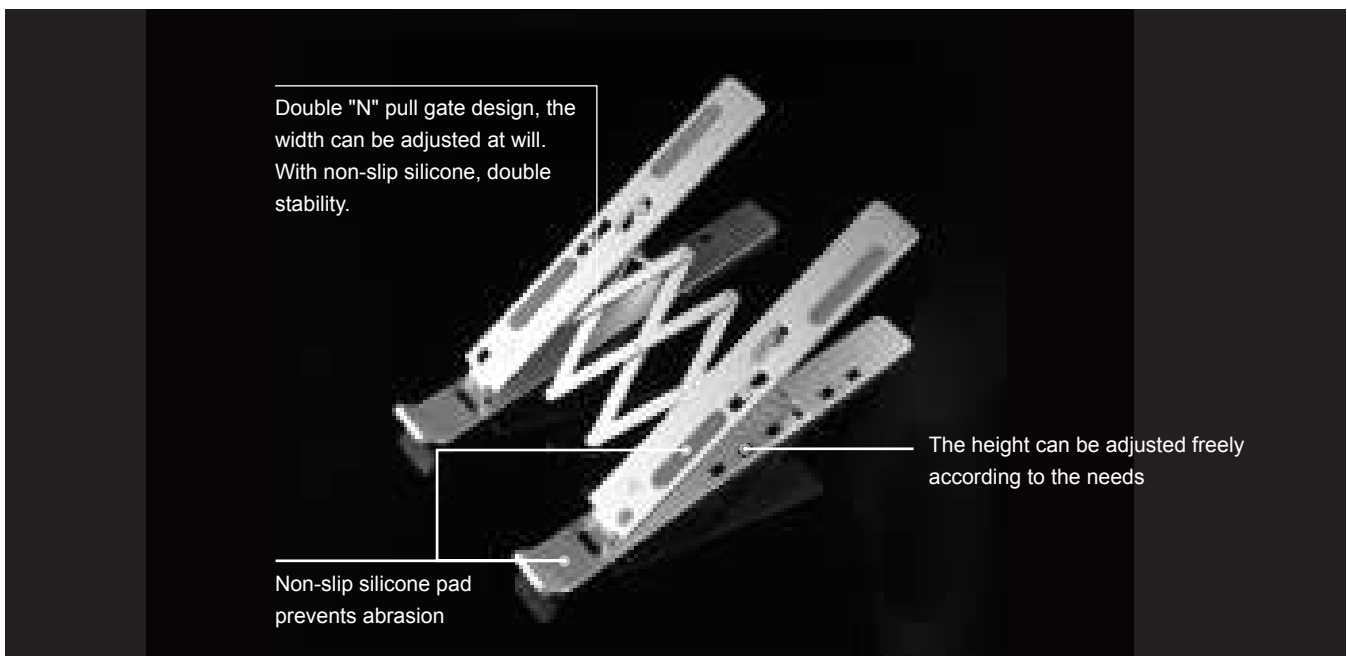
Cat.No.	Description	/Case
745021	BioFactory Accessory Lite Package Hose Clamp*1+50 mm Vent Filter*1+15 cm SPT-50 Hose*1+Silicone Ring*2	2
745011	BioFactory Accessory Basic Package Hose Clamp*1+50 mm Vent Filter+15 cm SPT-50 Hose*1+Adaptor Connector*1+Silicone Ring*2	2
745001	BioFactory Accessory Premium Package 2 different Adaptor Caps*1+Hose Clamp*1+Adaptor Connector*1 +50 mm Vent Filter*1+Hose Clamp*1+15 m SPT-50 Hose*1	2

NEW PRODUCT



BioFactory Holder

Cat.No.	Description	/Pack	/Case
751101	BioFactory Holder, Individually Wrapped	1	5



NEW PRODUCT

Accessorie

Coming Soon.....

- ① BioFactory Adaptor Cap, Pre-assembled with a 42 mm Vent Filter (0.22 μm)
- ① BioFactory Adaptor Cap, Pre-assembled with a 50 mm Vent Filter (0.22 μm)
- ② 33 mm Polypropylene Filling Cap with a Male MPC Polycarbonate with a 1/4 (6.4 mm) ID Coupling and a Female MPC Polycarbonate End Cap
- ② 33 mm Polypropylene Filling Cap with a Male MPC Polycarbonate with a 3/8 (9.5 mm) ID Coupling and a Female MPC Polycarbonate End Cap



NEW PRODUCT

Accessorie

Coming
Soon.....

Features

- For aseptic transfer of c_uLture medium and cell c_uLture solution
- One end of the pipeline is connected to the MPC series connector, which increases the convenience and safety in use. The male connector and the sealing cap are tightly connected to prevent accidental disconnection, and the connector can be rotated to reduce pipeline distortion.



MuLtifunctional transfer cap for 2L/3L/5L high-efficiency Erlenmeyer Flask (with connector)



125/250/500/1000 mL connector and transfer cap

Biobank System





Features

- Made of USP VI polypropylene.
- Non-pyrogenic, DNase/RNase and human DNA free.
- Round Bottom, Self-standing.
- Autoclavable.
- Sterilized by E-beam, SAL=10⁻⁶.
- Clear graduations and white marking area.
- Recommend to store in gas phase of the nitrogen tank.
- Internal thread Cap: Special screw cap designed with silicone O-ring to secure the sealing under various condition.
- External thread Cap: Special screw cap designed without silicone ring to avoid risk of contamination.
- The internal threaded screw cap and the silicone O-ring adopt a two-color injection molding process to ensure the sealing of the cap and the vial.

Warning!

Do not use cryogenic vials for storage in the liquid phase of liquid nitrogen. Only store vials in the vapor phase above the liquefied gas. Always use appropriate safety equipment when removing vials from cryogenic storage.

Refrigeration

The lowest temperature can withstand -196°C (with screw cap). All our polypropylene pipes are suitable for low temperature storage, except for liquid nitrogen.

Cryogenic Vial, Racked

Cat.No.	Description	/Rack	/Case
618102	0.5 mL Internal Thread	100	1600
606102	1.2 mL Internal Thread	100	1400
607102	2.0 mL Internal Thread	100	1200
618003	0.5 mL External Thread	81	1296
606003	1.2 mL External Thread	81	1134
607003	2.0 mL External Thread	81	972
624003	3.0 mL External Thread	81	848
608003	4.0 mL External Thread	81	648
609003	5.0 mL External Thread	81	486
618103	0.5 mL Internal Thread	81	1296
606103	1.2 mL Internal Thread	81	1134
607103	2.0 mL Internal Thread	81	972
624103	3.0 mL Internal Thread	81	648
608103	4.0 mL Internal Thread	81	648
609103	5.0 mL Internal Thread	81	486

Cryogenic Vial, Bulk

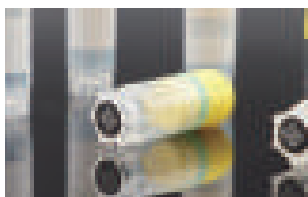
Cat.No.	Description	/Pack	/Case
618001	0.5 mL External Thread	50	2,000
606001	1.2 mL External Thread	50	2,000
607001	2.0 mL External Thread	50	2,000
624001	3.0 mL External Thread	50	1,000
608001	4.0 mL External Thread	50	1,000
609001	5.0 mL External Thread	50	1,000
618101	0.5 mL Internal Thread	50	2,000
606101	1.2 mL Internal Thread	50	2,000
607101	2.0 mL Internal Thread	50	2,000
624101	3.0 mL Internal Thread	50	1,000
608101	4.0 mL Internal Thread	50	1,000
609101	5.0 mL Internal Thread	50	1,000

Cryogenic 2D Matrix Vial



Features

The materials and quality of NEST 2D barcode cryogenic vials are the same as NEST common cryogenic vials. They can be used with Biobank system.



2D barcode

Each vial is permanently marked with a unique 2D barcode, ensuring the vials can be easily and accurately identified when being moved, shipped or even accidentally dropped. Laser 2D barcode on the bottom of each vial allows scanning and decoding at once without removing from rack.

Warning!

Do not use cryogenic vials for storage in the liquid phase of liquid nitrogen. Only store vials in the vapor phase above the liquefied gas. Always use appropriate safety equipment when removing vials from cryogenic storage.

Refrigeration

The lowest temperature can withstand -196°C (with screw cap). All our polypropylene pipes are suitable for low temperature storage, except for liquid nitrogen.

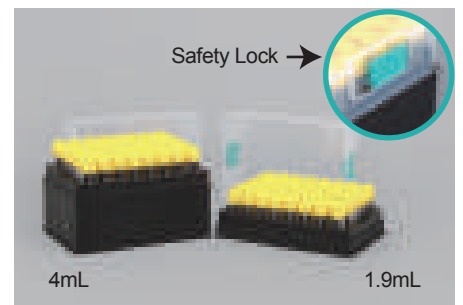
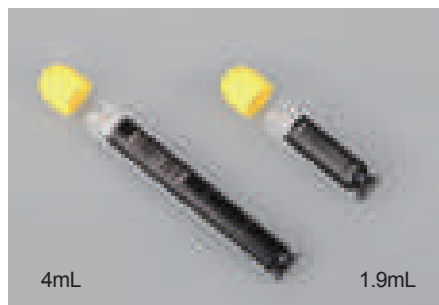
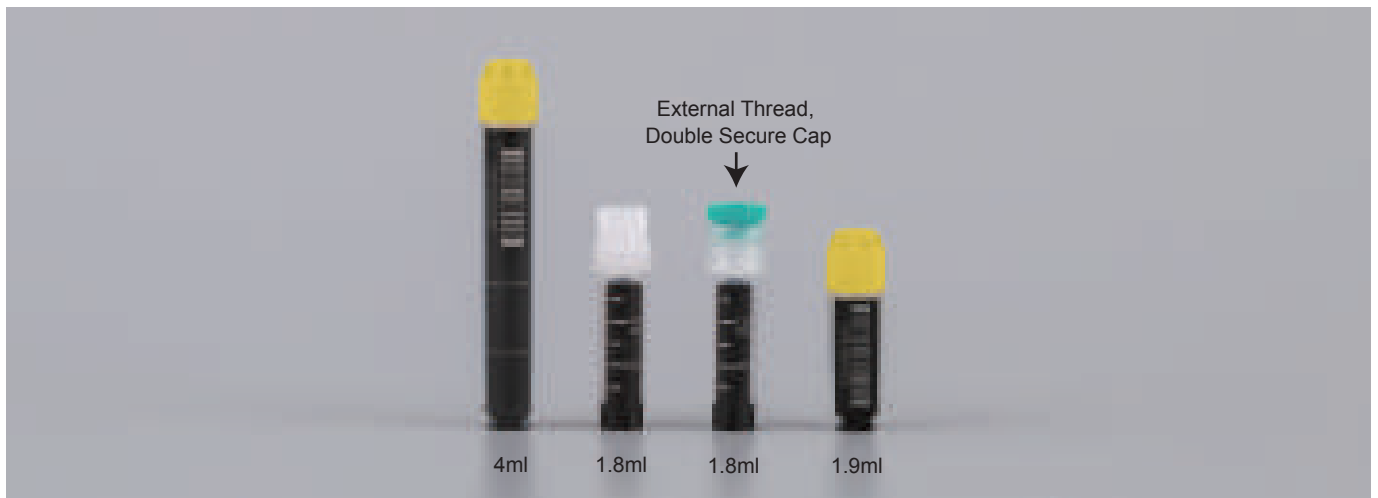
2D Barcode Cryogenic Vials, Racked

Cat.No.	Description	/Rack	/Cs
618152	0.5 mL Internal Thread	100	1600
606152	1.2 mL Internal Thread	100	1400
607152	2.0 mL Internal Thread	100	1200
618053	0.5 mL External Thread	81	1296
606053	1.2 mL External Thread	81	1134
607053	2.0 mL External Thread	81	972
624053	3.0 mL External Thread	81	848
608053	4.0 mL External Thread	81	648
609053	5.0 mL External Thread	81	486
618153	0.5 mL Internal Thread	81	1296
606153	1.2 mL Internal Thread	81	1134
607153	2.0 mL Internal Thread	81	972
624153	3.0 mL Internal Thread	81	648
608153	4.0 mL Internal Thread	81	648
609153	5.0 mL Internal Thread	81	486

2D Barcode Cryogenic Vials, Bulk

Cat.No.	Description	/Pack	/Case
618041	0.5 mL External Thread	50	2,000
606041	1.2 mL External Thread	50	2,000
607041	2.0 mL External Thread	50	2,000
624041	3.0 mL External Thread	50	1,000
608041	4.0 mL External Thread	50	1,000
609041	5.0 mL External Thread	50	1,000
618141	0.5 mL Internal Thread	50	2,000
606141	1.2 mL Internal Thread	50	2,000
607141	2.0 mL Internal Thread	50	2,000
624141	3.0 mL Internal Thread	50	1,000
608141	4.0 mL Internal Thread	50	1,000
609141	5.0 mL Internal Thread	50	1,000

3D Barcode Cryogenic Vial



The two-color vial body of an integrated injection molding can realize multi-code tracking, and it can support the traceability of samples and data sharing among multiple users, laboratories and automation, making the warehousing and ex-warehousing of samples more convenient and faster, while ensuring the safety of the sample storage process.

Warning!

Do not use cryogenic vials for storage in the liquid phase of liquid nitrogen. Only store vials in the vapor phase above the liquefied gas. Always use appropriate safety equipment when removing vials from cryogenic storage.

Refrigeration

The lowest temperature can withstand -196°C (with screw cap). All our polypropylene pipes are suitable for low temperature storage, except for liquid nitrogen.



Three-code-in-one (digital code, barcode, QR code)

- The vial has laser-etched international standard DATAMATRIX 2D code at the bottom.
- The barcode and digital code at the side are anti-fading, anti-deforming, wear-proof and resistant against DMSO and other organic solvents; 100% clear and readable.

Material Characteristics

- The vial body is made of medical-grade cryogenic polypropylene (PP), which meets USP Class-6 standards and the vial cap is made of high density polyethylene (HDPE), so that the vial is recommended to be used in -196°C liquid nitrogen phase;
- DNase/RNase free, non-endotoxin;
- Electron beam sterilization, SAL = 10^{-6} .

NEST Advantages:

Testing and control in strict accordance with quality requirements.

Low Temperature Test

-80°C cryogenic freezing test,
 -196°C liquid nitrogen test;

Sealing Test

Sterility Test

Endotoxin Test

DNA and RNA enzyme test

3D Barcode Cryogenic Vial

3D Barcode Cryogenic Vial, SBS Format

The product meets the SBS standard and provides an effective safety guarantee and management for biological sample libraries and other warehouses of various chemicals and biological products stored at low temperatures.

Cat.No.	Description	/Pack	/Case
612041	3D Barcode 1.9 mL Cryogenic Vial, SBS Format, Self-Standing, External Thread, Caps on, Sterile	48	480
612047	3D Barcode 1.9 mL Cryogenic Vial, SBS Format, Self-Standing, External Thread, Caps Separated, Sterile	48 Vials/Pk 48 Caps/Pk	480
614041	3D Barcode 4.0 mL Cryogenic Vial, SBS Format, Self-Standing, External Thread, Caps on, Sterile	48	480
614047	3D Barcode 4.0 mL Cryogenic Vial, SBS Format, Self-Standing, External Thread, Caps Separated, Sterile	48 Vials/Pk 48 Caps/Pk	480
612051	3D Barcode 1.9 mL Cryogenic Vial, SBS Format, Self-Standing, External Thread, Racked, Sterile	48	480
614051	3D Barcode 4.0 mL Cryogenic Vial, SBS Format, Self-Standing, External Thread, Racked, Sterile	48	480

3D Barcode 1.8 mL Cryogenic Vial

The size of the vial body is suitable for the common freezing boxes in the market, which is convenient for customers to use.



External Thread, Double Secure Cap

- Excellent sealing performance: permanent reversal prevention;
- High storage safety: the inside forms a closed and isolated space separated from the outside without leakage, favorable for storage and transportation.
- Memory of use history: the middle cover will be punctured when taking sample out, leaving a mark to know it's been used.
- This function is to ensure the original fidelity of the sample;
- Convenient sampling without contamination: the soft rubber sealing layer can be punctured with a pipette tip or a syringe needle. The outer cover won't be contaminated by the sample, ensuring safety of the personnel and environment.

Cat.No.	Description	/Pack	/Case
627102	3D Barcode 1.8 mL Cryogenic Vial, Self-Standing, 10*10 Racked, External Thread, Double Secure Cap	100	1000
627002	3D Barcode 1.8 mL Cryogenic Vial, Self-Standing, 10*10 Racked, External Thread	100	1000
627101	3D Barcode 1.8 mL Cryogenic Vial, Self-Standing, Bulk, External Thread, Double Secure Cap	50	2000
627001	3D Barcode 1.8 mL Cryogenic Vial, Self-Standing, Bulk, External Thread	50	2000

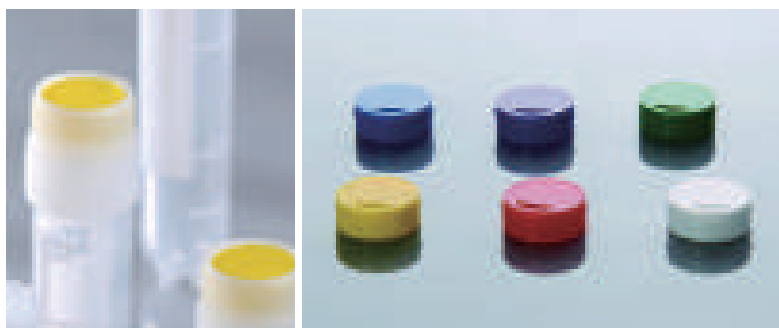
Precautions

- After the cryogenic vial is taken out of the liquid nitrogen, its bottom should be wiped with a dry towel, so that the QR code can be better identified;
- The freezing storage sample size should not exceed the maximum working volume required by the cryogenic vial;
- During the freezing storage, the vial cap must be tightened, to prevent liquid nitrogen from entering during the freezing process;
- Before the cryogenic vial is taken out of the liquid nitrogen, proper protective measures should be taken first, to avoid causing safety problems in the laboratory.

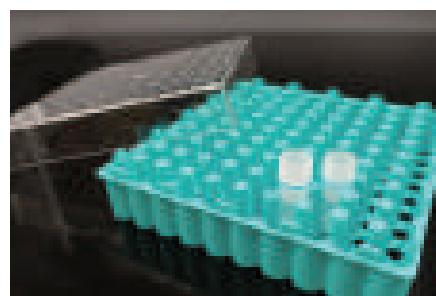
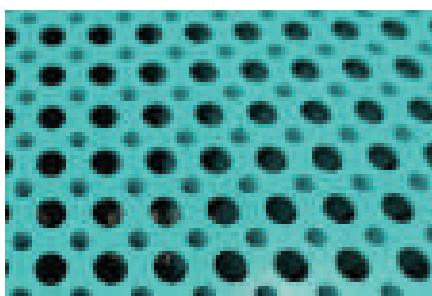
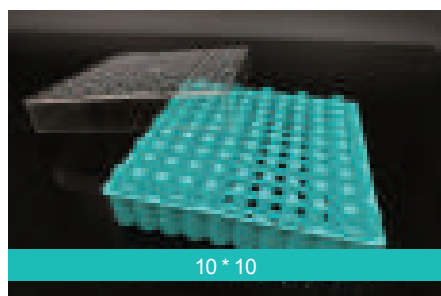
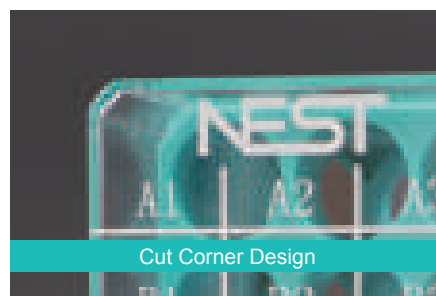
Cap Insert

Compatible with regular cryogenic vials only.

Cat. No.	Color	/Pack	/Case
611001	White	100	1000
611002	Red	100	1000
611003	Yellow	100	1000
611004	Blue	100	1000
611005	Green	100	1000
611006	Purple	100	1000



Cryo Box



Features

- Temperature range: -196°C to +121°C
- PC cap with ABS bottom
- Each box includes drain holes and air vents to minimize condensation.

Cat. No.	Description	Spec	/Case
616204	For 0.5mL vials, Internal Thread Cryogenic Vial Only	10*10	56
616305	For 1.2mL vials, Internal Thread Cryogenic Vial Only	10*10	48
616001	For 2.0mL vials, Internal Thread Cryogenic Vial Only	10*10	40
616224	For 0.5 mL vials	9*9	56
616325	For 1.2 mL vials	9*9	48
616021	For 2.0 mL vials	9*9	40
616421	For 3.0 mL vials	9*9	32
616121	For 4.0 mL vials	9*9	32
616521	For 5.0 mL vials	9*9	32
616031	For 1.8 mL vials	10*10	40

NEW PRODUCT

2D Barcode Cryogenic Vial with Two-color Injection Cap

Coming Soon.....

2D Barcode Cryogenic Vial with Two-color Injection Cap

0.5 / 1.2 / 2.0 / 3.0 / 4.0 / 5.0 mL 2D Barcode Cryogenic Vial, internal threaded screw cap, self-standing round bottom, two-color cap

0.5 / 1.2 / 2.0 mL 2D Barcode Cryogenic Vial, internal threaded screw cap, self-standing round bottom, 10*10 racked package, two-color cap

0.5 / 1.2 / 2.0 / 3.0 / 4.0 / 5.0 mL 2D Barcode Cryogenic Vial, internal threaded screw cap, 9*9 racked package, two-color cap

Features

- The internal threaded screw cap and the silicone O-ring adopt a two-color injection molding process to ensure the sealing of the cap and the vial.
- Both the vial and the cap are made of medical material, which meets USP Class VI standards.
- Resistant to high temperature (can be sterilized at 121°C) and low temperature (suitable for storage in liquid nitrogen)
- Special white writing area for easy marking of samples.
- E-beam sterilized, SAL=10⁻⁶, Dnase/Rnase free, endotoxin free
- Available in racked and bulk packaging



The internal threaded screw cap and the silicone O-ring adopt a two-color injection molding process to ensure the sealing of the cap and the vial.

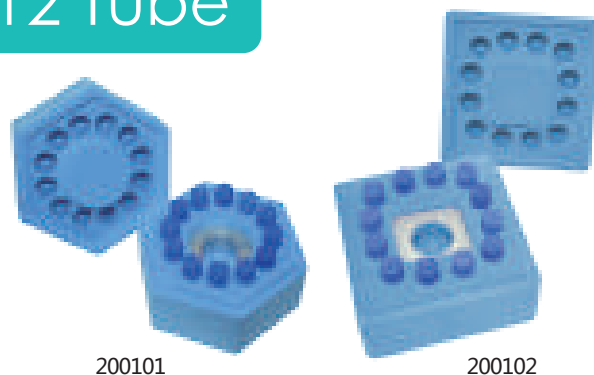


Process Cooling Box for 12 Tube

Application

- Holds 12 tubes - 1 mL / 2 mL cryogenic vials or 1.5 mL / 2 mL centrifuge tubes

Cat.No.	Shap	Specifications (mm)	Weight (g)
200101	Hexagonal	S108X100 (S: Side Length)	120
200102	Square	117X117X100	160

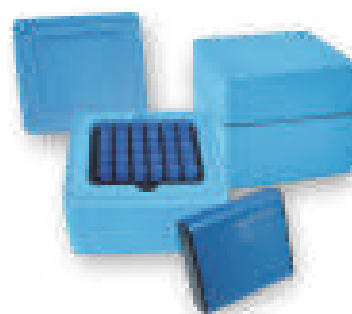


200101

200102

Ice Free Cool Box

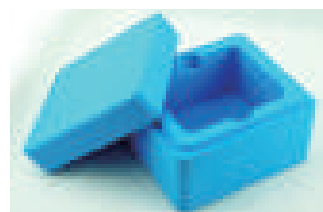
Cat.No.	Weight	Specifications	Each kit include
200103	1300 g	152 x 170 x 123 (mm)	200901, One Ice Free Cool Box 200902, One Cooling Core 200904, One 2 mL Module



Ice Free Cool Box

Cat.No.	Specification (mm)	Weight (g)
200901	152x170x123	140

Freezing Box Accessories



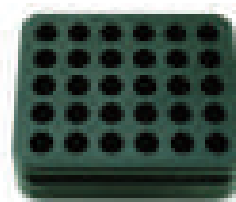
Ice Core

Cat.No.	Name	Temperature Range	Refrigerator's Temperature	Freeze Time	Specifications (mm)
200902	Cooling Core	0.5°C~4°C	-20°C	4h+	105 x 100 x 26
		0.5°C~4°C	-80°C	2h+	105 x 100 x 26
200903	Freeze Core	-18°C~-4°C	-20°C	6h+	105 x 100 x 26
		-18°C~-4°C	-80°C	3h+	105 x 100 x 26



Tube Module

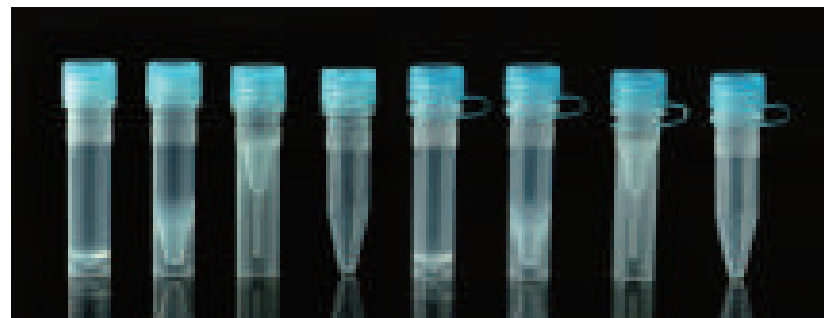
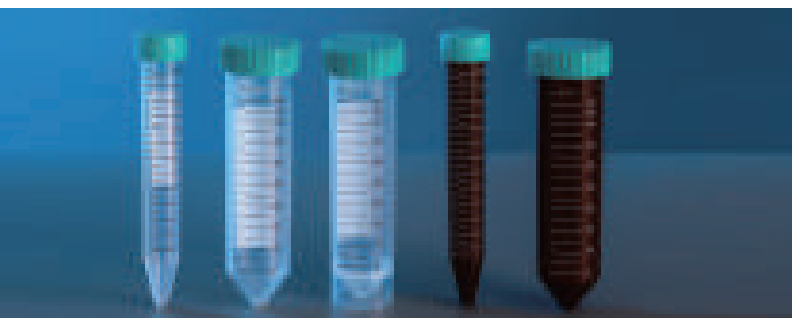
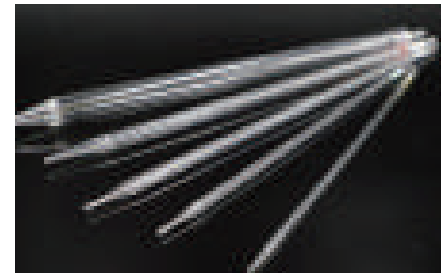
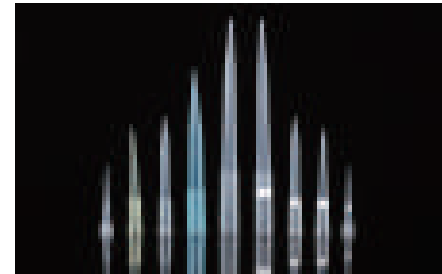
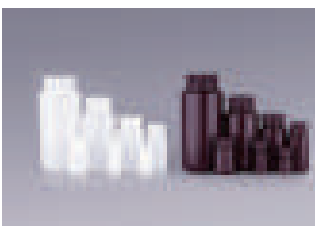
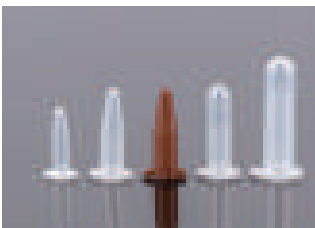
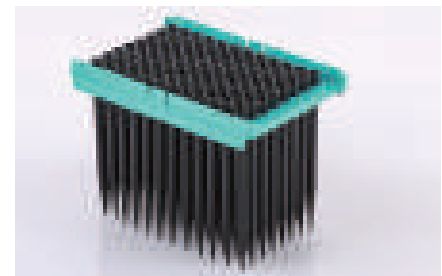
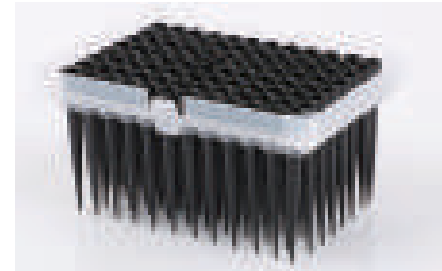
Cat.No.	Name	Specification (mm)	Application
200904	2 mL Module	119 x 101 x 38	2 mL Tube (30-Well, φ12.6mm)
200905	1.5 mL Module	119 x 101 x 38	1.5 mL Tube (48-Well, φ11mm)
200906	5 mL Module	119 x 101 x 38	5 mL Tube (30-Well)
200907	PCR Module	119 x 101 x 38	PCR Tube or 96-Well Plate (φ7mm)



Technical Parameters

Temperature Range	Cooling Sources	Cooling Sources Processing	Module Processing	Insulation Time (Open cover)	Insulation Time (Close cover)	Performance Diagram
0.5°C~4°C	Ice core CL	Place it above 4hrs under -20°C, use after 10mins when room temp. goes up.	Precooling to 0.5°C~4°C	4h	6h	
0.5°C~4°C		Place it above 4hrs under -20°C, then use directly.	Room Temp			
0.5°C~4°C		Place it above 2hrs under -80°C, then use directly.				
-18°C~-4°C	Ice core CF	Place it above 6hrs under -20°C.	Precooling 30mins under -20°C	3h	4h	
-18°C~-4°C		Place it above 3hrs under -80°C.				

Liquid Transfer



PET Square Bottle



It is mainly used for storing and sampling active pharmaceutical ingredients, bulk intermediates, and also for preparing, storing buffers, culture solutions or long-term storage of pH sensitive liquids.

It can be used to store reagents but cannot be used as heating vessels.

Features

- Break-resistant polyethylene terephthalate (PET) with transparency equivalent to glass.
- Smooth surface, not easy to residue, easy to clean.
- Good chemical resistance, suitable for sample collection of various liquid particle size test, high clean reagents, particle standard materials and standard samples.
- With scale, white enamel marking area, durable. Excellent physical and mechanical properties over a wide temperature range.
- The bottle body is square, easy to hold, easy to store. Unique external thick collar design for easy sealing operation in experiments. Sterile, DNase/RNase/Pyrogen free.



Calibration clear

Cat.No.	Description	Size(mm)		/Pack	/Case
		Neck Diameter	Height		
333001	500 mL Square shape PET Media Bottles	34	170	8	24
334001	1000 mL Square shape PET Media Bottles	34	215	4	12

Warning!

Tips: Do not autoclave.

NEW ARRIVAL

Storage Bottle

Coming Soon.....

Add PETG bottles: 60 / 125 / 250 / 500mL.

Add PET bottles: 125 / 250mL.

Existing products: PET media bottles 500 and 1000mL.

Features

- PETG Bottles are Suitable for handling and reagents and medium storing critical protein, vaccine, etc.
- PET Bottles are used for storage of culture medium, serum, buffer and long-term storage of pH-sensitive liquid. Excellent physical and mechanical properties over a wide temperature range.



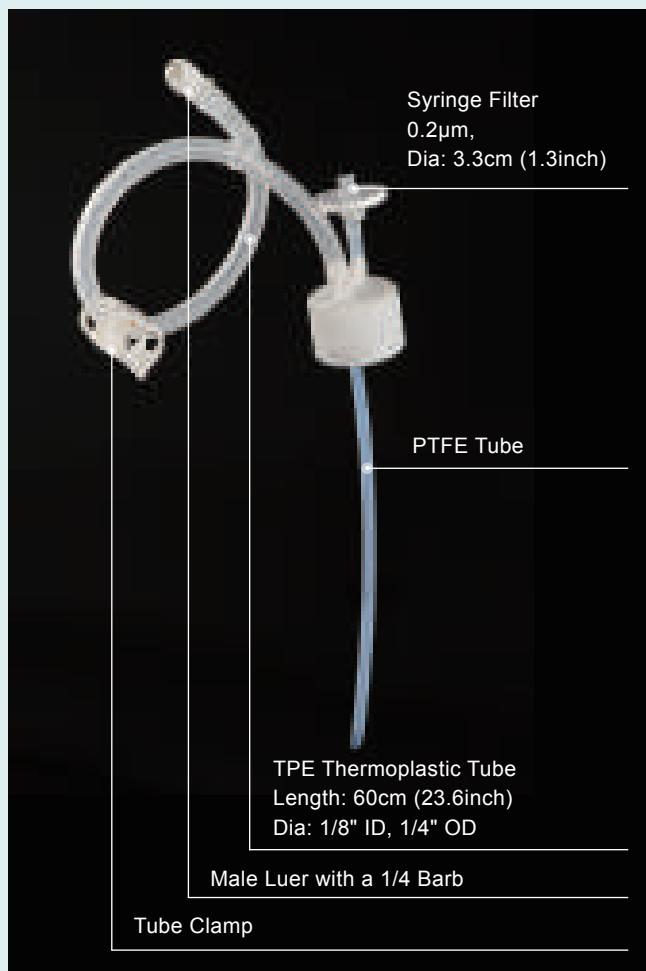
NEW PRODUCT

PETG Square Storage Bottle with Tube

Coming Soon.....

250 / 500 / 1000mL PETG Square Storage Bottle Transfer Cap, TPE Tube (60cm, 1/4" ID, 3/8" OD) , Female Luer Lock Connector with Luer Plug

250 / 500 / 1000mL PETG Square Storage Bottle with Tube, TPE Tube (60cm, 1/4" ID, 3/8" OD) , Female Luer Lock Connector with Luer Plug.





Brand T Automation Conductive Tip



50µL 200µL 1000µL



Brand H Automation Conductive Tip



50µL 300µL 1000µL

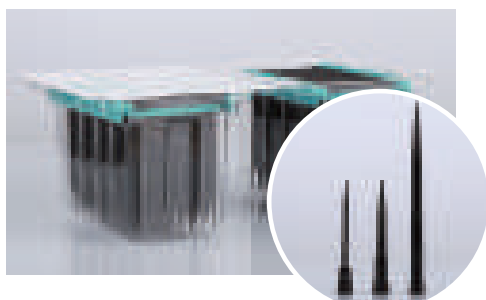
It can be used for research and development and other commonly used applications with needs of high-throughput pipetting in genomics, proteomics, cytomics, immunoassays, metabolomics, biopharmaceuticals.

Advantages

- Medical-grade black conductive polypropylene (PP) materials.
- Electron beam sterilization: safe and fast, without chemical residue.
- Tips are packed in separate cavities with uniform conductivity: tips of each box share the same cavity number to ensure the product traceability and the conductivity uniformity and to improve the accuracy of experimental results, greatly reducing the difference between individual products.
- Smooth inner surface: the unique process technology ensures that the tips have smooth inner surfaces, therefore greatly reducing the amount of residual liquid.
- Super hydrophobicity: the porous tissue filtration by filter tip ensures optimum performance and the super hydrophobicity of the tip forms a strong barrier against aerosols and eliminates the risk of sample cross-contamination.
- **Strong package:** the high-strength blister card outer package with thickened wall, which is impact-resistant and dropping-resistant, ensures the integrity and safety of the product under harsh transport conditions.
- **Good air tightness and adaptability:** the structure mapping is conducted per the original adapter and the proven injection-molding ensures that the products have good air tightness and adaptability, improving the mechanical precision of the products during work.
- **Strict quality management and control test:** Manufactured in a 100-thousand grade clean plant, Effective quality inspections are conducted for strict quality management and control per the client's needs, including tests for DNA, RNA, proteases, and pyrogens.
- Air tightness test: precise equipment are used to test the air tightness between the tip and the adapter, to ensure good air tightness for each batch of products.
- Tests for resistance and CV values: a certain number of products are sampled for each batch for inspection, which is conducted using precise and unique measuring tools to ensure the accuracy and reliability of the test results to ensure the uniform conductivity of products.

Robotic Tip

Automation Conductive Tips for Brand T



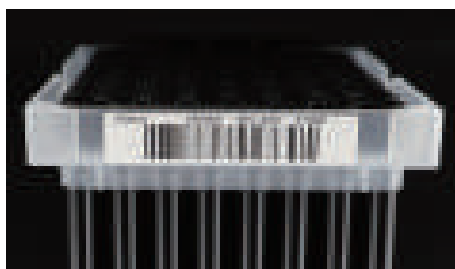
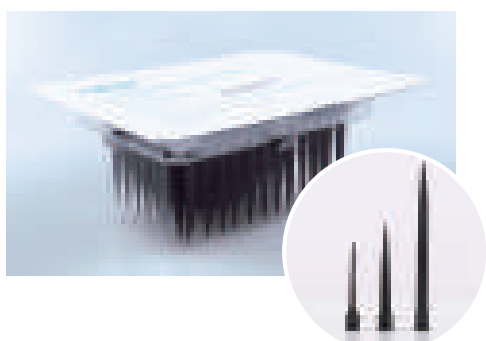
Blister Packed, 96 tips *2 Blisters/Pk, Sterile

Cat. No.	Description	/Pack	/Case
332002	50 µl Robotic Tips for Brand T, Conductive	96*2	2304
332012	50 µl Robotic Filter Tips for Brand T, Conductive	96*2	2304
332102	200 µl Robotic Tips for Brand T, Conductive	96*2	2304
332112	200 µl Robotic Filter Tips for Brand T, Conductive	96*2	2304
332202	1000 µl Robotic Tips for Brand T, Conductive	96*2	2304
332212	1000 µl Robotic Filter Tips for Brand T, Conductive	96*2	2304

Boxed, With Barcode, Sterile, Racked

Cat. No.	Description	/Pack	/Case
332016	50 µl Robotic Filter Tips for Brand T, Conductive	96	4800
332116	200 µl Robotic Filter Tips for Brand T, Conductive	96	4800
332216	1000 µl Robotic Filter Tips for Brand T, Conductive	96	4800

Automation Conductive Tips for Brand H



Without Barcode, 96 Tips/Pk, Sterile

NEST Cat.No.	Description	/Pack	/Case
345002	50 µL Robotic Conductive Tips for Brand H	96	2304
345102	300 µL Robotic Conductive Tips for Brand H	96	2304
345202	1000 µL Robotic Conductive Tips for Brand H	96	2304
345012	50 µL Robotic Conductive Filter Tips for Brand H	96	2304
345112	300 µL Robotic Conductive Filter Tips for Brand H	96	2304
345212	1000 µL Robotic Conductive Filter Tips for Brand H	96	2304

With Barcode, 96 Tips/Pk, Sterile

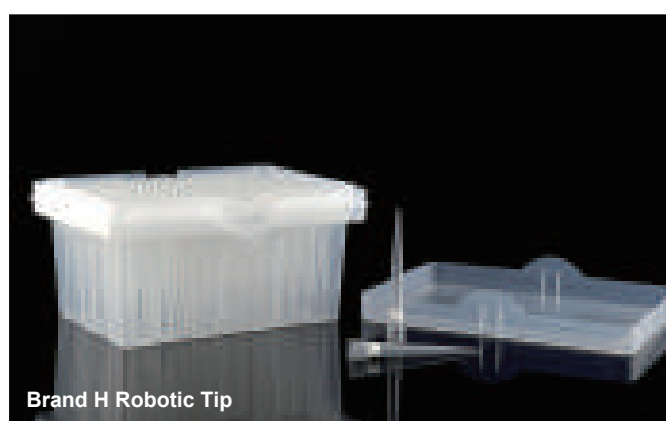
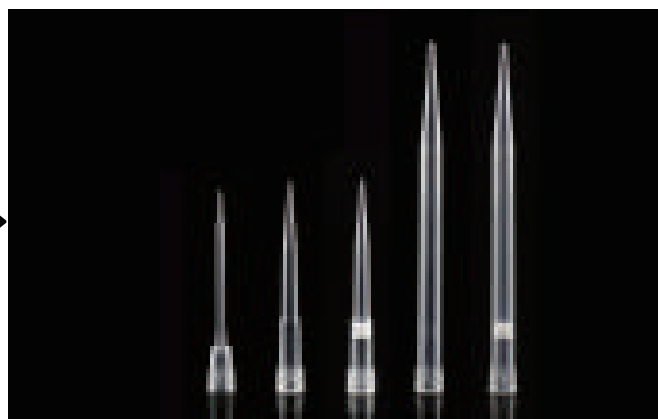
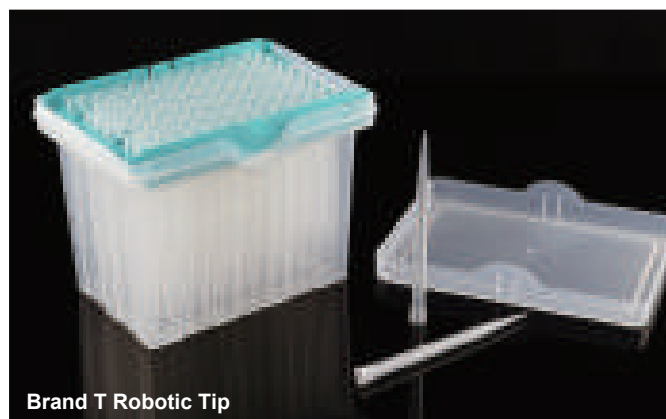
Cat.No.	Description	/Pack	/Case
345013	50 µL Robotic Conductive Filter Tips for Brand H, with Barcode	96	2304
345113	300 µL Robotic Conductive Filter Tips for Brand H, with Barcode	96	2304
345213	1000 µL Robotic Conductive Filter Tips for Brand H, with Barcode	96	2304

With Barcode, 96 Tips*5 Blisters/Pk, Sterile

Cat.No.	Description	/Pack	/Case
345015	50 µL Robotic Conductive Filter Tips for Brand H, with Barcode	96*5	5760
345005	50 µL Robotic Conductive Tips for Brand H, with Barcode	96*5	5760
345115	300 µL Robotic Conductive Filter Tips for Brand H, with Barcode	96*5	5760
345105	300 µL Robotic Conductive Tips for Brand H, with Barcode	96*5	5760
345215	1000 µL Robotic Conductive Filter Tips for Brand H, with Barcode	96*5	3840
345205	1000 µL Robotic Conductive Tips for Brand H, with Barcode	96*5	3840

Boxed, With Barcode, 96 Tips/Pk, Sterile

Cat. No.	Description	/Pack	/Case
345069	50 µl Automation Filter Tips for Brand H, Conductive	96	4800
345169	200 µl Automation Filter Tips for Brand H, Conductive	96	4800
345269	1000 µl Automation Filter Tips for Brand H, Conductive	96	4800



NEST automatic transparent tip is made of polymer material polypropylene (PP), and the surface is treated with a special process to have high hydrophobicity. The automatic transparent tip is carefully made for special purposes and is designed to bring more efficiency and repeatability to your work.

Advantages

- Medical grade high-tenacity polypropylene (PP) material is Imported and selected strictly accordance with the industry requirements to ensure the stability of materials between batches.
- The production is manufactured automatically in one hundred thousand level purification workshops, to ensure no DNA, RNA, protease and heat source. Product points collection, packaging, each box of products with the same point number, to ensure the traceability of products, improve the accuracy of experimental results while greatly reducing the deviation between individual products.
- The process technology is unique, to ensure that the Tips have a smooth inner surface, greatly reducing the amount of liquid residue.
- The structure drawing test is according to the original adapter, with a mature injection molding process, to ensure that the product has good air tightness and adaptability. This improves the product in the work of mechanical accuracy.
- The control is strictly, according to customer's needs for effective quality inspection, with no DNA, RNA, protease and heat source testing, sterility testing, etc.
- Air tightness detection: the precision detector is used to check the air tightness between the Tips and the adapter, to ensure that each batch of products have good air tightness.
- The test equipment is used online to control the size and concentricity of products in production line, saving time and improving product quality.
- The robotic tips are filtered through porous tissue to ensure optimal performance and are extremely hydrophobic, forming a robust barrier against aerosols and eliminating the risk of cross-contamination of the sample.

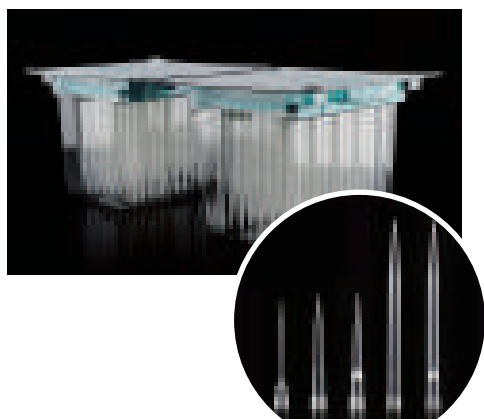
Adaptation model

- Brand T automation conductive tips may be used with the TECAN Freedom EVOlyzers and fully automatic sampling systems.
- Brand H automation conductive tips are used in conjunction with Hamilton series workstations.
- Brand B robotic tips are used in Beckman FX/NX, Biomek i5/ i7 and Biomek 3000.

Robotic Tip

Compatible with Brand T Systems

Blister Packed, 96 Tips*2 Blisters/Pk, Sterile



Cat.No.	Description	/Pack	/Case
332003	50 µl Robotic Tips for Brand T, Clear, Blister Packed	96*2	5760
332013	50 µl Robotic Filter Tips for Brand T, Clear, Blister Packed	96*2	5760
332103	200 µl Robotic Tips for Brand T, Clear, Blister Packed	96*2	5760
332113	200 µl Robotic Filter Tips for Brand T, Clear, Blister Packed	96*2	5760
332203	1000 µl Robotic Tips for Brand T, Clear, Blister Packed	96*2	3840
332213	1000 µl Robotic Filter Tips for Brand T, Clear, Blister Packed	96*2	3840

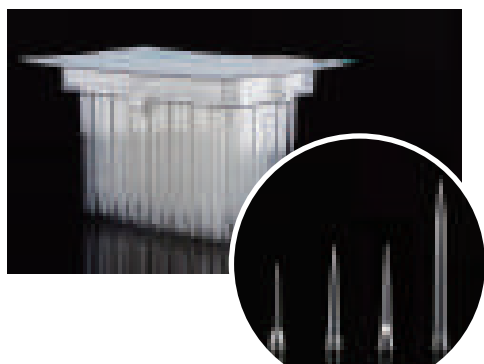
Boxed, 96 Tips/Pk, Sterile



Cat.No.	Description	/Pack	/Case
332007	50 µl Robotic Tips for Brand T, Clear, Boxed	96	4800
332017	50 µl Robotic Filter Tips for Brand T, Clear, Boxed	96	4800
332107	200 µl Robotic Tips for Brand T, Clear, Boxed	96	4800
332117	200 µl Robotic Filter Tips for Brand T, Clear, Boxed	96	4800
332207	1000 µl Robotic Tips for Brand T, Clear, Boxed	96	4800
332217	1000 µl Robotic Filter Tips for Brand T, Clear, Boxed	96	4800

Compatible with Brand H Systems

With Barcode, Blister Packed, 96 Tips/Pk, Sterile



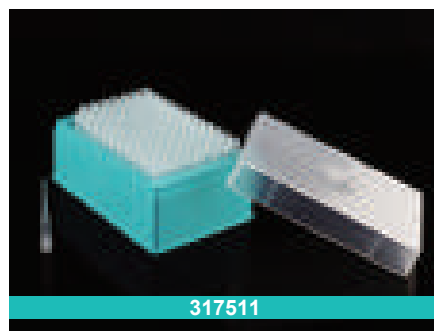
Cat.No.	Description	/Pack	/Case
345503	50 µl Robotic Tips for Brand H, Clear, with barcode	96	2304
345513	50 µl Robotic Filter Tips for Brand H, Clear, with barcode	96	2304
345603	300 µl Robotic Tips for Brand H, Clear, with barcode	96	2304
345613	300 µl Robotic Filter Tips for Brand H, Clear, with barcode	96	2304
345703	1000 µl Robotic Tips for Brand H, Clear, with barcode	96	2304
345713	1000 µl Robotic Filter Tips for Brand H, Clear, with barcode	96	2304

Boxed, 96 Tips/Pk, Sterile



Cat.No.	Description	/Pack	/Case
345509	50 µl Robotic Tips for Brand H, Clear, Boxed	96	4800
345519	50 µl Robotic Filter Tips for Brand H, Clear, Boxed	96	4800
345609	200 µl Robotic Tips for Brand H, Clear, Boxed	96	4800
345619	200 µl Robotic Filter Tips for Brand H, Clear, Boxed	96	4800
345709	1000 µl Robotic Tips for Brand H, Clear, Boxed	96	4800
345719	1000 µl Robotic Filter Tips for Brand H, Clear, Boxed	96	4800

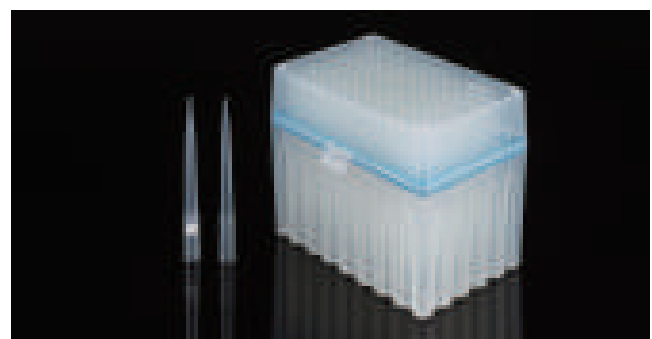
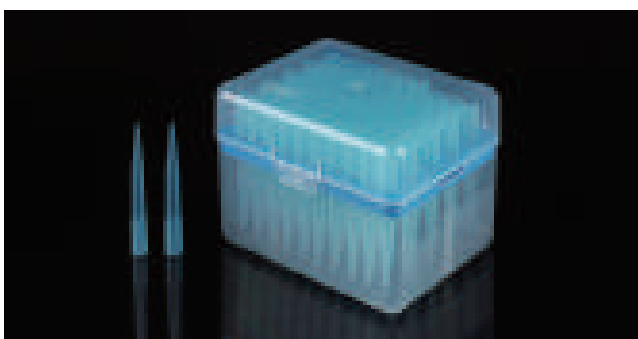
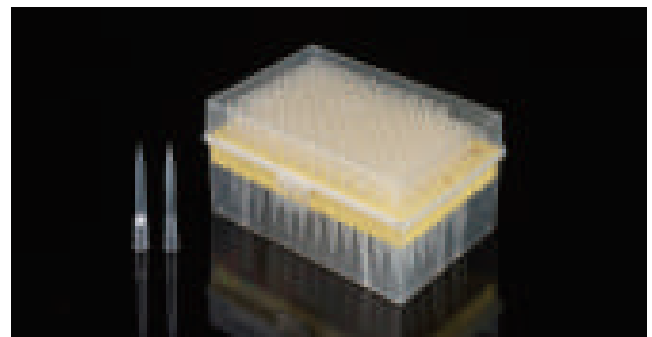
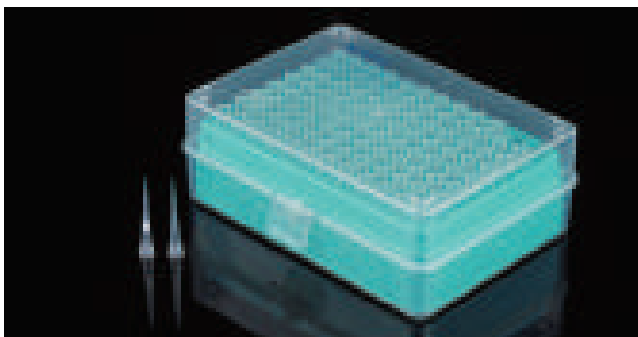
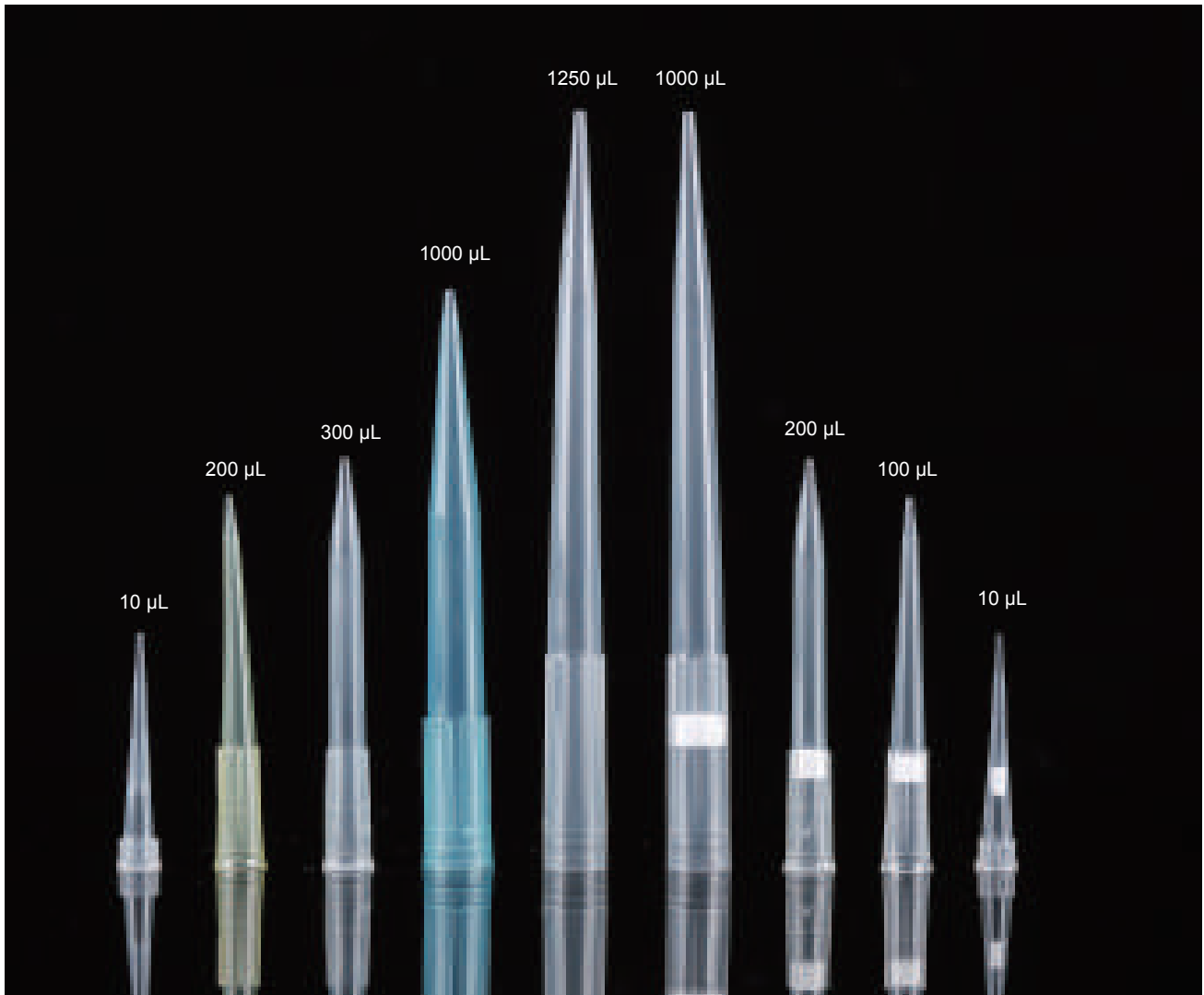
Compatible with Brand B Systems



Boxed, 96 Tips/Pk, Sterile

Cat.No.	Description	/Pack	/Case
317511	250 µL Robotic Tips	96	4800
317011	1070 µL Robotic Tips	96	4800
317501	190 µL Robotic Filter Tips	96	4800
317101	1000 µL Robotic Filter Tips	96	4800

Universal Pipette Tip



Universal Pipette Tip

NEST Pipette Tips are ultra-clear and fit universally to most pipettes. Made from 100% polypropylene, low-retention plastic, these tips ensure accurate sample results during liquid handling. The Nest Pipette Tip line is packaged RNase/Dnase, pyrogen free. Choose the right size for your research: 10µL, 100µL, 200µL, 300µL, 1000µL and 1250µL.

Features

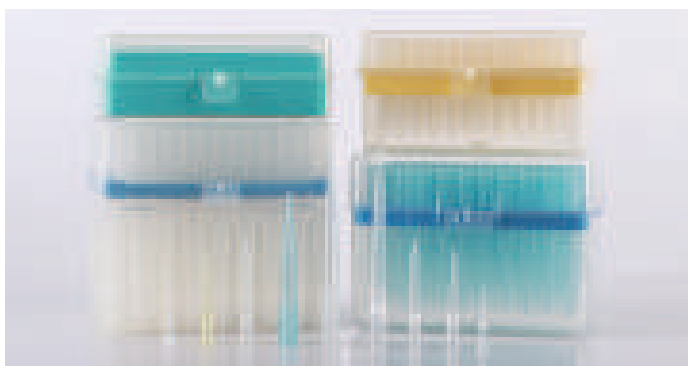
- Fine Point Design.
- Non-Pyrogenic, DNase/RNase free.
- Universal Fit.
- Ultra Clear Polypropylene.
- Withstands Organic Solvents.
- Low-Retention.

Pipette Tip Bulk, Non-Sterile

Cat.No.	Product Description	/Pack	/Case
301006	10 µL Universal Pipette Tips, Clear	1000	20000
302106	200 µL Universal Pipette Tips, Yellow	1000	20000
305006	300 µL Universal Pipette Tips, Clear	1000	10000
303206	1000 µL Universal Pipette Tips, Blue	1000	5000
304006	1250 µL Universal Pipette Tips, Clear	500	5000
311001	10 µL Filter universal Pipette Tips, Clear	1000	10000
316001	100 µL Filter Universal Pipette Tips , Clear	1000	10000
312001	200 µL Filter universal Pipette Tips, Clear	1000	10000
313006	1000 µL Filter universal Pipette Tips, Clear	500	5000
313001	1000 µL Filter universal Pipette Tips, Extra-long, Clear	500	5000

Pipette Tip Racked, Sterile

Cat.No.	Product Description	/Pack	/Box	/Case
301016	10 µL Universal Pipette Tips, Clear,	96	960	4800
302116	200 µL Universal Pipette Tips, Yellow	96	960	4800
305016	300 µL Universal Pipette Tips, Clear	96	960	4800
303216	1000 µL Universal Pipette Tips, Blue	100	1000	5000
304016	1250 µL Universal Pipette Tips, Clear	96	960	4800
311012	10 µL Filter universal Pipette Tips, Clear	96	960	4800
314016	10 µL Filter universal Pipette Tips, Extra Long, Clear	96	960	4800
310012	20 µL Filter universal Pipette Tips, Clear	96	960	4800
316012	100 µL Filter Universal Pipette Tips, Clear	96	960	4800
312012	200 µL Filter universal Pipette Tips, Clear	96	960	4800
313016	1000 µL Filter universal Pipette Tips, Clear	96	960	4800
313012	1000 µL Filter universal Pipette Tips, Extra Long, Clear	96	960	4800



Tip Box, Only box, no tips.

Cat.No.	Description	/Pack	/Case
351001	10 µL Filter Tip Box	1	50
351101	200 µL Filter Tip Box	1	50
351201	1000 µL Filter Tip Box	1	50
351301	1250 µL Filter Tip Box	1	50

NEW PRODUCT

Stacked Tip

Coming Soon.....

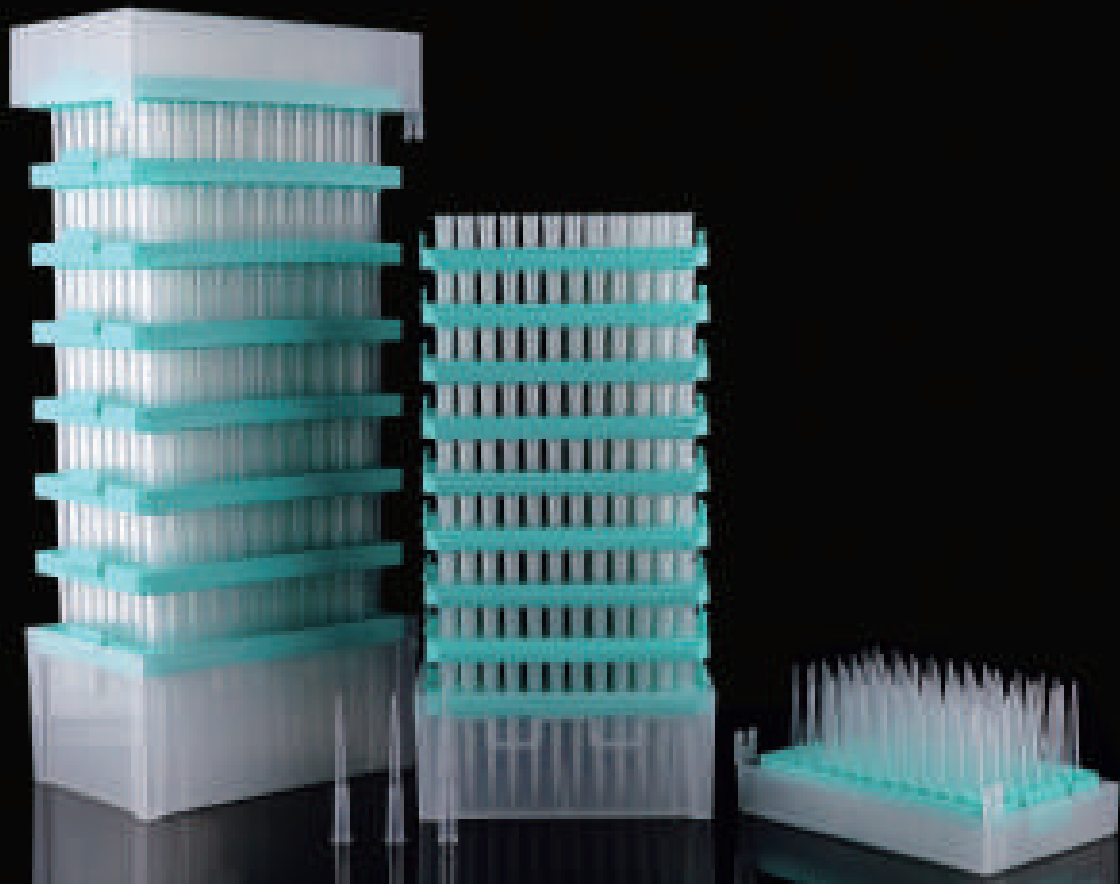
- 10 / 200 μ L extended tip, b μ Lk, non-sterile
- 10 / 200 μ L extended filter tip, b μ Lk, non-sterile
- 10 / 200 μ L extended tip, racked, sterile
- 10 / 200 μ L extended filter tip, racked, sterile
- 10 / 200 / 300 / 1000 μ L stacked tip

Features

The packaging of NEST tips has been upgraded, and a new series of stacked tips have been added, making it more convenient for customers to use, saving workload and improving work efficiency. In addition, 10/200 μ L extended tips have been added, which increases the safety distance during operation in some special experiments; even in an especially high container, samples can be better aspirated and the bottom residue can be reduced.

Applications

Genomics, proteomics, cytomics, immunoassays, metabolomics, biopharmaceutical research and development, and other commonly used high-throughput transfers



Vacuum Filtration System



NEST Disposable Vacuum Filtration System is useful for large volume sample separation and sterilization for tissue culture media and other biological buffers. The units include PES or PVDF membrane filters with graduated filter tops made with polystyrene, and Acrylonitrile-Butadiene-Styrene necks with polystyrene receiving bottles. A separated sterile polyethylene cap is included. Filtration system is manufactured from raw material of high transparency polystyrene (PS) in three different volumes: 250mL / 500mL / 1000mL. They are available in three styles: complete filter/storage bottle systems, bottle top filters, and receiving bottles only.

Features

- High flow rates and throughput.
- Low protein binding and low chemical extractable.
- Pore size: 0.22 μm .
- Non-Pyrogenic, DNase/Rnase free.
- Sterilized by E-beam, SAL=10⁻⁶.
- Individually packaged in sterile bag.
- γ sterilization.
- No endotoxin, no pyrogen.
- For laboratory use only.
- If the package is damaged, please do not use.

Product Parameters

Volume (mL)	Membrane Dia(mm)	Capacity(mL)	Max.Temp (°C)	Neck Dia(mm)	Height (mm)	Material of Neck
250	50	250	45	45	198	ABS
500	90	500	45	45	247	ABS
1000	90	1000	45	45	280	ABS

Membrane Type	Hydrophilicity	Features	Application Directions	Cautions
PES	Hydrophilic	Low protein adsorption, high flow rate, wide PH range, high chemical compatibility, good heat resistance	For general culture media and aqueous solutions, polar or middle-polar solvents, neutral aqueous solutions	Should not be used for chloroform, esters, amides and strong acids or strong bases.
PVDF	Hydrophilic	Wide practicability, good oxidation resistance and heat resistance	May be used for aqueous solutions and most solvents, including strong non-polar solvents. Ideal for preparations of HPLC and GC	Should not be used for strong acids and bases
MCE	Hydrophilic	Strong chemical compatibility and low protein adsorption, the optimum pH range is 3-6;	Used for particle analysis of general culture media and aqueous solutions. HPLC sample preparation.	The set should not be used for filtration of ethanol and alkaline solutions. The working temperature should not be over 40 °C .
CA	Hydrophilic	High flow rate and heat stability as well as very low adsorption, stable within the range of pH 4-8.	It may resist most alcohols and oils, and is suitable for sterling filtration of aqueous solutions, buffers, serum and culture media, as well as filtration of the moving phase of HPLCD.	The CA membrane may accommodate a smaller volume of buffer since it has low hydrophilia.

Vacuum Filtration System

Vacuum Filtration Systems

CA Membrane Cat.No.	PES Membrane Cat.No.	MCE Membrane Cat.No.	PVDF Membrane Cat.No.	Volume (mL)	Pore Density (μm)	/Pack	/Case
342302	342002	342202	342102	250	0.10	1	12
342301	342001	342201	342101	250	0.22	1	12
342303	342003	342203	342103	250	0.45	1	12
343302	343002	343202	343102	500	0.10	1	12
343301	343001	343201	343101	500	0.22	1	12
343303	343003	343203	343103	500	0.45	1	12
344302	344002	344202	344102	1000	0.10	1	12
344301	344001	344201	344101	1000	0.22	1	12
344303	344003	344203	344103	1000	0.45	1	12

Bottle Top Vacuum Filter Only

Cat.No.	Volume (mL)	Pore Density (μm)	/Pack	/Case
342011	250	0.22 μm , PES	1	24
342111	250	0.22 μm , PVDF	1	24
343011	500	0.22 μm , PES	1	24
343111	500	0.22 μm , PVDF	1	24
344011	1000	0.22 μm , PES	1	24
344111	1000	0.22 μm , PVDF	1	24

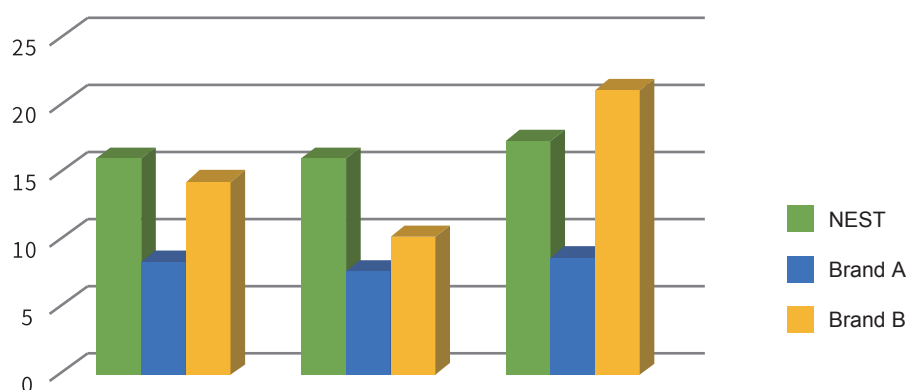
Receiving Bottle

Cat.No.	Volume (mL)	/Pack	/Case
342021	250	1	24
343021	500	1	24
344021	1000	1	12

Warning

- Do not use plastic bottles, glass bottles, flasks or containers that are not designed for filtration and cannot withstand negative pressure to connect to the upper cup .
- Not suitable for culture flasks larger than 2L.
- Working temperature: 4-37°C.
- Working pressure: 0.03-0.06Mpa, if there is foam, please reduce pressure appropriately.
- Tighten the upper cup and bottle mouth by hand, but do not over tighten.
- Personal protective equipment must be used at all times, and goggles must be worn when using vacuum equipment.
- Work on the aseptic operating table.
- It is not recommended to recycle any hazardous substances, hazardous wastes or biochemical hazardous materials involved.

Comparison of the flow rate of different brands of vacuum filters



	DMEM+10%FBs	RPMI1640+10%FBs	TSB
NEST	16	16	17.39
Brand A	8.33	7.69	8.7
Brand B	14.29	10.26	21.1

NEW PRODUCT

Vacuum Filtration System

Coming Soon.....

Filtration, Vacuum Filtration Systems, PVDF Filtration, Vacuum Filtration Systems, PES

Vacuum filter (made of PVDF), 0.1 μm complete set, sterilized
Vacuum filter (made of PVDF), 0.22 μm complete set, sterilized
Vacuum filter (made of PVDF), 0.45 μm complete set, sterilized

Vacuum filter (made of PES), 0.1 μm complete set, sterilized
Vacuum filter (made of PES), 0.22 μm complete set, sterilized
Vacuum filter (made of PES), 0.45 μm complete set, sterilized

Filtration, Vacuum Filtration Systems, MCE Filtration, Vacuum Filtration Systems, CA

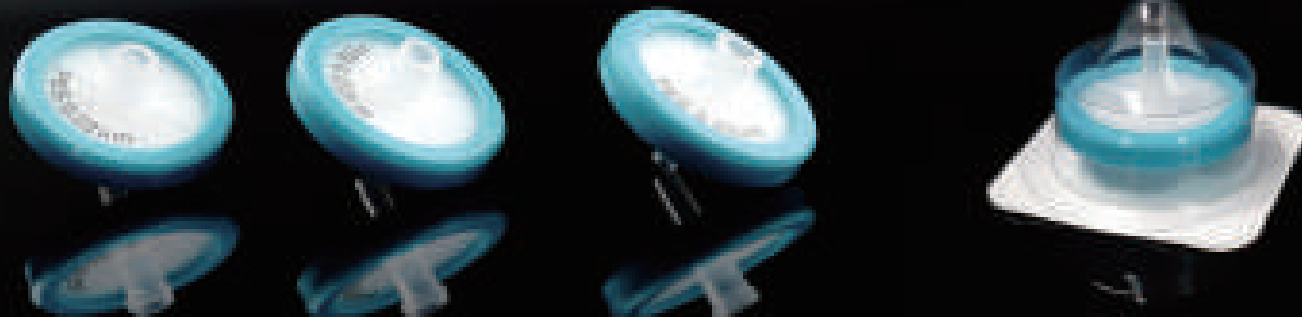
Vacuum filter (made of MCE), 0.1 μm complete set, sterilized
Vacuum filter (made of MCE), 0.22 μm complete set, sterilized
Vacuum filter (made of MCE), 0.45 μm complete set, sterilized

Vacuum filter (made of CA), 0.1 μm complete set, sterilized
Vacuum filter (made of CA), 0.22 μm complete set, sterilized
Vacuum filter (made of CA), 0.45 μm complete set, sterilized

Products are mainly used for the separation and purification of large-volume samples in tissue culture media, biological fluids. Sample processed can be up to several liters. The filtered samples can be directly stored in sterile collection bottles.



Syringe Filter



Syringe filters are used in fields like life sciences, pharmaceuticals, environment, biotechnology, food and beverages, agricultural testing laboratories, etc. In particular, they are widely used in life science laboratories to sterilize samples of small volume, such as proteins, additives, buffers, reagents and drugs. The outer shell of the syringe filters is made of medical polypropylene, one-time injection molding, high pressure resistance, no product leakage; packaged individually in easy-to-tear paper-plastic bags.

Features

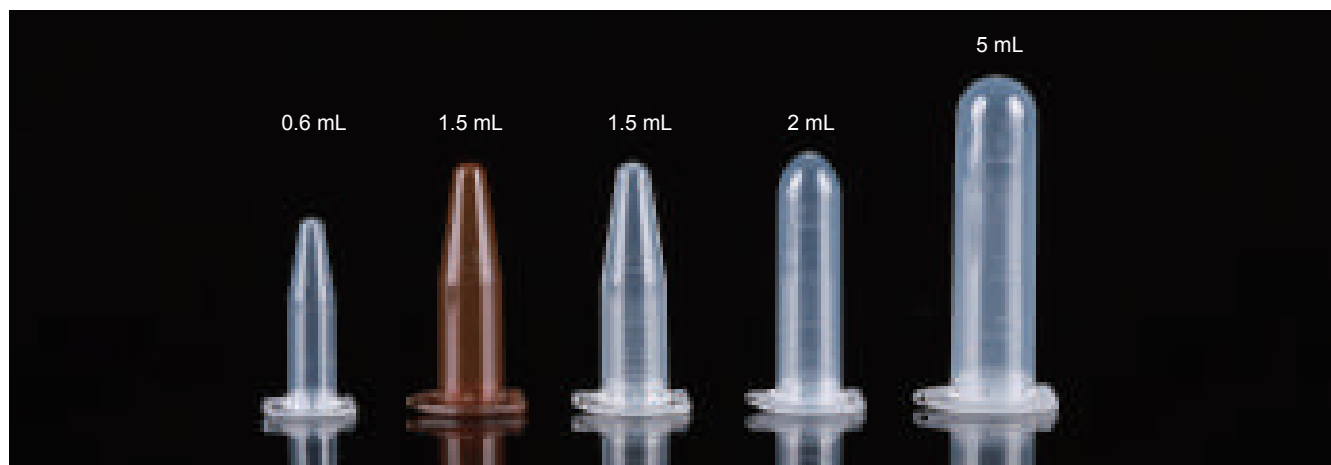
- Non-Pyrogenic, DNase/Rnase free.
- Sterilized by E-beam, SAL=10⁻⁶.
- Individually packaged in sterile bag.

Cat. No.	Membrane	Size (mm)	Pore Density (µm)	/Pack	/Case
331011	PES	30	0.22	100	1,000
331001	PVDF	30	0.22	100	1,000

Precautions

- When handling chromatography samples, avoid introducing other impurities during the filtration process.
- Do not use a syringe with a volume less than 10 cc. Too small a volume may cause excessive pressure in the injection tube, resulting in membrane damage or personal injury.
- Single use only
- Discard the initial few filtrate, of which the volume is about the volume of the filter

Microcentrifuge Tube

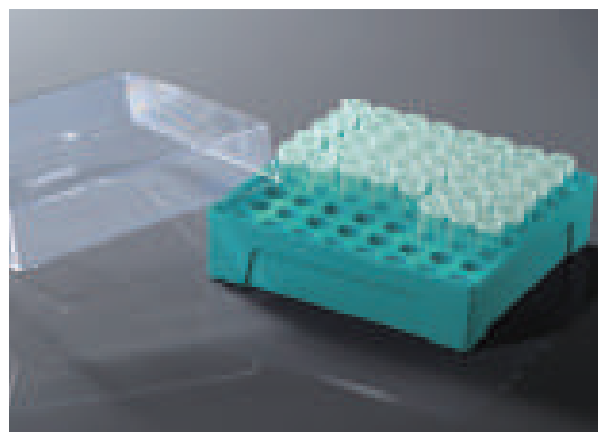


NEST centrifuge tubes could be commonly used to collect cells and separate biomacromolecules by centrifugation in biochemistry and other biological fields. They can also be used to store photosensitive samples and special chemiluminescence reagents.

Features

- USP VI grade polypropylene material, free from heavy metal.
- RCF: 30,000 xg.
- Special safelock cap design provides secure lid sealing.
- Clear graduations and frosted marking area.
- Easy opening and closing.
- Autoclavable.
- RNase free, endotoxin level less than 0.1EU.
- Both sterile and non-sterile tubes are available.

Cat.No.	Volume (mL)	Color	Bottom	Sterile	/Pack	/Case
605001	0.6	Clear	Conical	Non-sterile	1,000	10,000
615001	1.5	Clear	Conical	Non-sterile	500	5,000
620011	2	Clear	Round	Non-sterile	500	5,000
603011	5.0	Clear	Round	Non-sterile	200	2,000
605601	0.6	Clear	Conical	Sterile	50	7,500
615601	1.5	Clear	Conical	Sterile	50	4,000
620611	2	Clear	Round	Sterile	50	4,000
615401	1.5	Amber	Conical	Sterile	50	4,000
605401	0.6	Amber	Conical	Sterile	50	7,500
603111	5.0	Clear	Round	Sterile	200	2,000



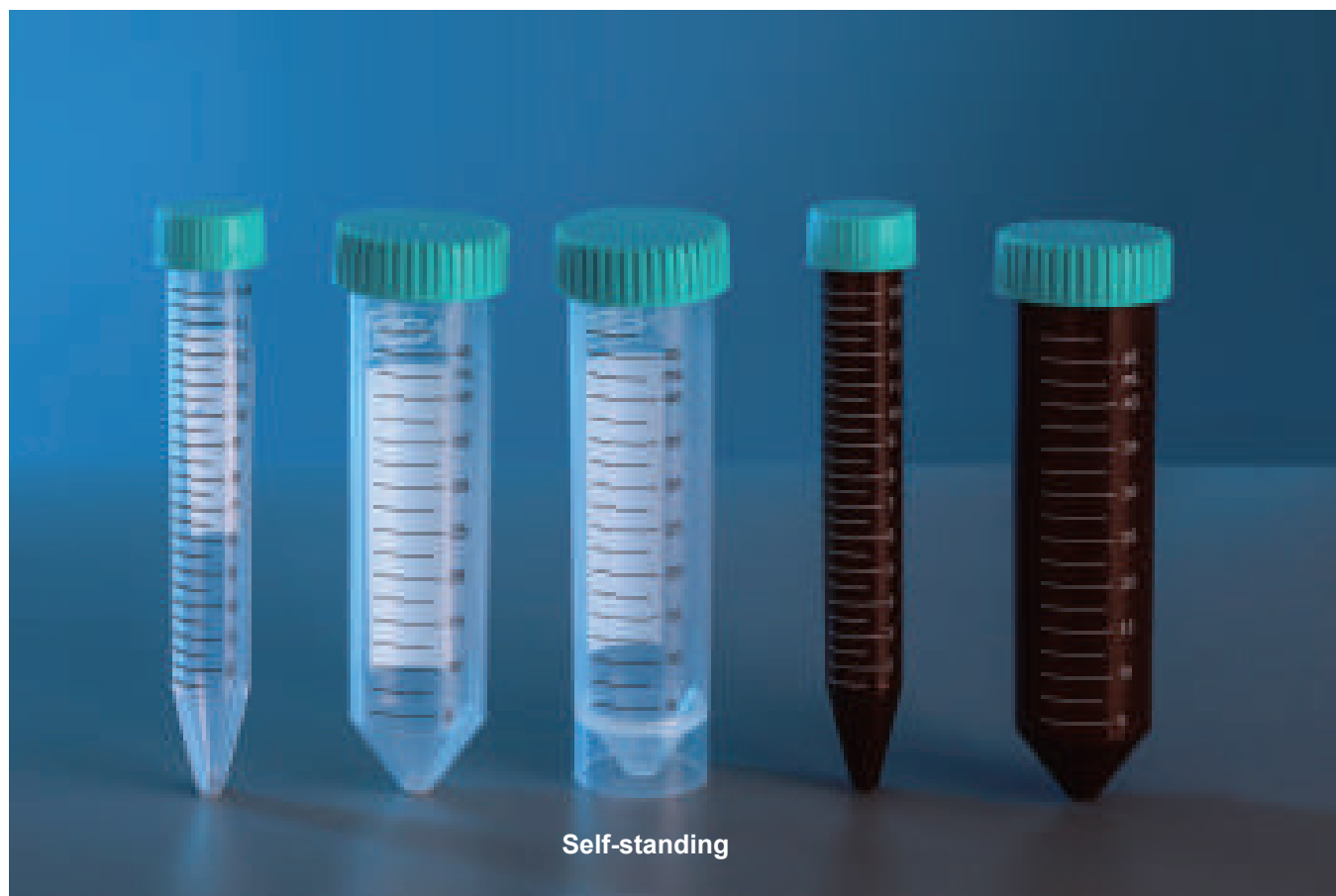
Micro Tube Box

Features

- Clear polycarbonate cover for easy identification.
- Temperature range from -80 °C to 121 °C.
- Solid polypropylene base and polycarbonate cover.
- Non-sterile.

Cat.No.	Application	Spec (well)	/Pack	/Case
613001	0.6 mL	10*10	1	40
613111	1.5 / 2 mL	8*8	1	40

15 mL & 50 mL Centrifuge Tube



NEST centrifuge tubes could be commonly used to collect cells and separate biomacromolecules by centrifugation in biochemistry and other biological fields. They can also be used to store photosensitive samples and special chemiluminescence reagent.

Features

- Printed Graduations (with marking area).
- Polypropylene tube and high density polyethylene cap.
- High centrifugal strength up to 12,000xg.
- Flat markable cap with leakproof seal.
- One-hand operation design for the caps provides easy handling.
- Sterilized by E-beam, SAL=10⁻⁶.
- Non-Pyrogenic, DNase/Rnase free.

Premium Level

- Meets the requirements of analytical level.
- High strength non-toxic materials.
- Raw material comply with USP VI requirements.

Cat.No.	Volume (mL)	Color	Max.RCF(xg)	Type	Packaging	/Pack	/Case
601001	15	Clear	12,000	Premium	PS Rack	50	500
601002	15	Clear	12,000	Premium	Bulk	50	500
602001	50	Clear	12,000	Premium	PS Rack	25	500
602002	50	Clear	12,000	Premium	Bulk	25	500
601201	15	Amber	12,000	Premium	PS Rack	50	500
602201	50	Amber	12,000	Premium	PS Rack	25	500



15 mL & 50 mL Centrifuge Tube



PS Rack



Bulk

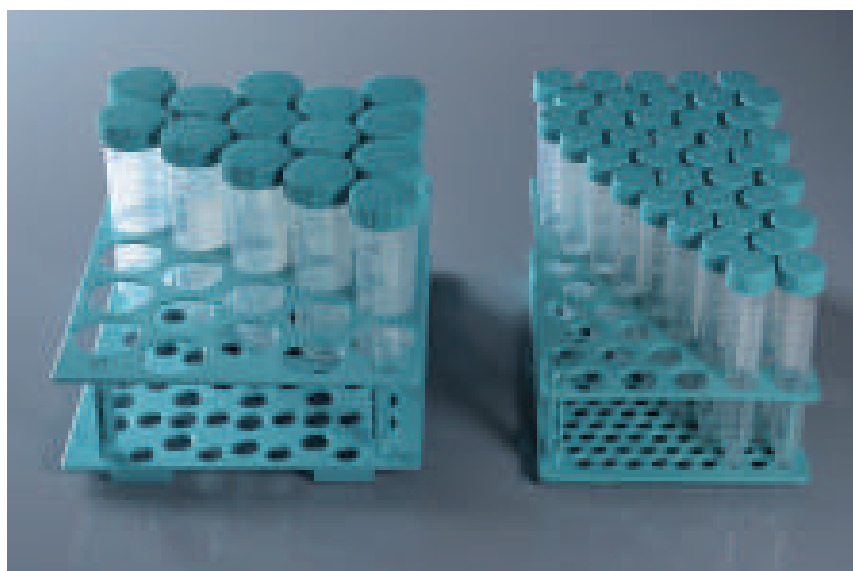
Standard Level

- Made from virgin polypropylene to meet the general requirements of the laboratory.
- Skirted and self-standing.

Cat.No.	Volume(mL)	Max.RCF(xg)	Packaging	Type	/Pack	/Case
601051	15	12,000	PS Rack	Standard	50	500
601052	15	12,000	Bulk	Standard	50	500
602051	50	12,000	PS Rack	Standard	25	500
602052	50	12,000	Bulk	Standard	25	500
602072	50 (Self-Standing)	5,000	Bulk	Standard	25	500



Centrifuge Tube Rack



Features

- Made of virgin polypropylene.
- Reusable and economic.
- Non-sterilized.

Cat.No.	Application	/Case
610001	For 15 mL Tubes	50
610101	For 50 mL Tubes	50

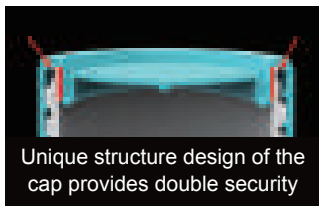
250 mL & 500 mL Centrifuge Tube



The 250mL & 500mL centrifuge tubes can process a large number of samples at one time and are suitable for the separation and harvest of large cells, supernatants, bacteria, yeast and tissue samples, therefore they are widely used in the field of life sciences and clinical experiments and can meet the requirements of biological analysis.

Application

- Separation of sediments after chemical reactions for harvest and application.
- Harvest of biomacromolecules, inorganics and organics.
- In biochemistry and other biological fields, usually used to centrifuge and collect a large volume of cells, biomacromolecules and supernatants.



Features

- Unique structure design of the cap provides double security, further improving the tight seal ability.
- Increased the thickness of conical bottom in order to improve the maximum centrifugal limit.
- Polypropylene tube and high density polyethylene cap.
- Max. centrifugal limit 7000xg.
- Temperature range: -80 °C~120 °C.
- Clear scale.
- DNase, RNase and pyrogen free.
- Electron beam sterilization, SAL=10⁻⁶.
- Separation of sediments after chemical reactions for harvest and application.
- Harvest of biomacromolecules, inorganics and organics.
- In biochemistry and other biological fields, usually used to centrifuge and collect a large volume of cells, biomacromolecules and supernatants.

Cat.No.	Description	/Pack	/Case
622001	250 mL Centrifuge Tubes, Bulk	6	102
623001	500 mL Centrifuge Tubes, Bulk	6	36
622002	250 mL Centrifuge Tubes, Racked	6	24
623002	500 mL Centrifuge Tubes, Racked	4	24

NEW PRODUCT

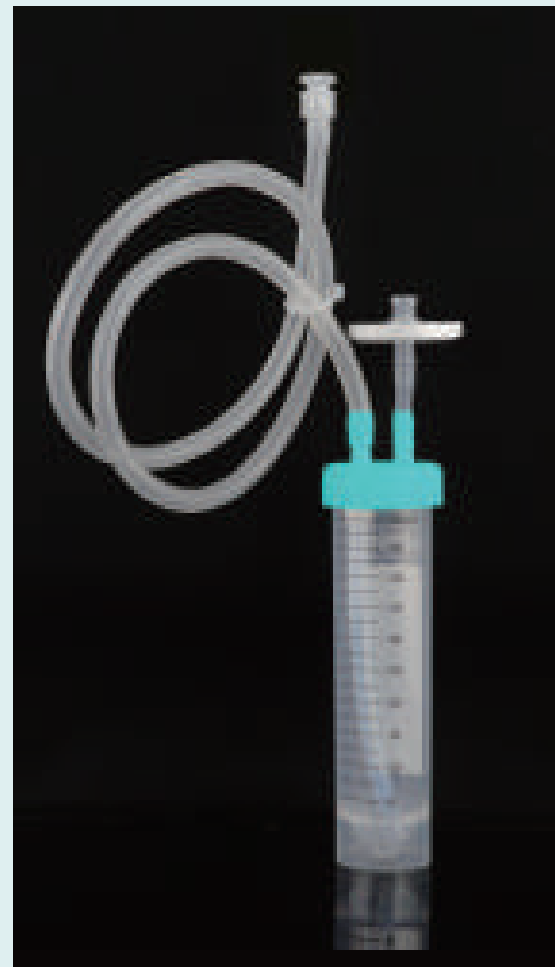
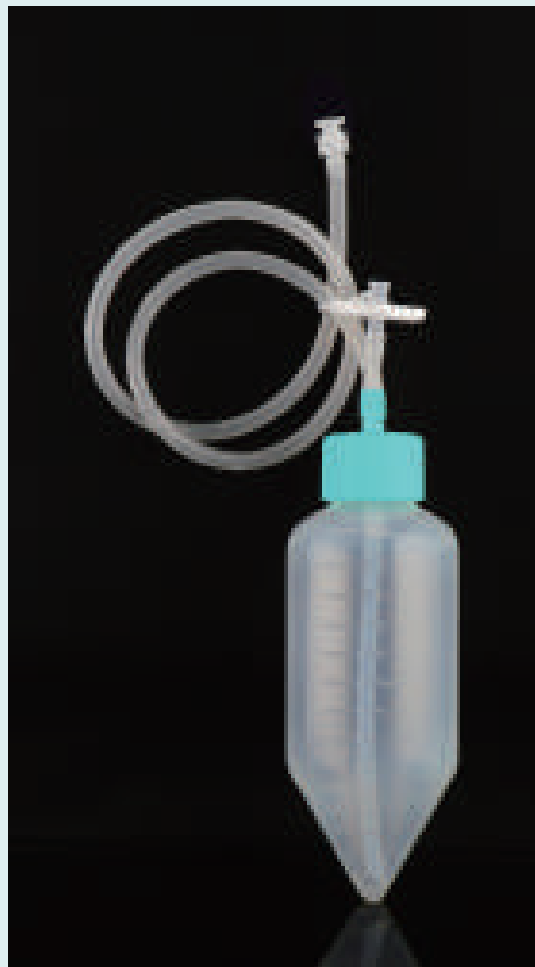
Centrifugal Closed System

Coming Soon.....

50/250/500 mL centrifugal closed system

Features

- The product is pre-assembled and ready to use
- Double-layer aseptic packaging, suitable for GMP production
- Pipes are made of TPE which meets industrial pharmaceutical requirements.
- One end of the pipe is connected to a male Luer taper, improving convenience and safety in use. The Luer cap and male taper are tightly connected to prevent accidental disconnection.
- For transportation of bacteria, fungi, cells and culture medium.



Pasteur Pipette

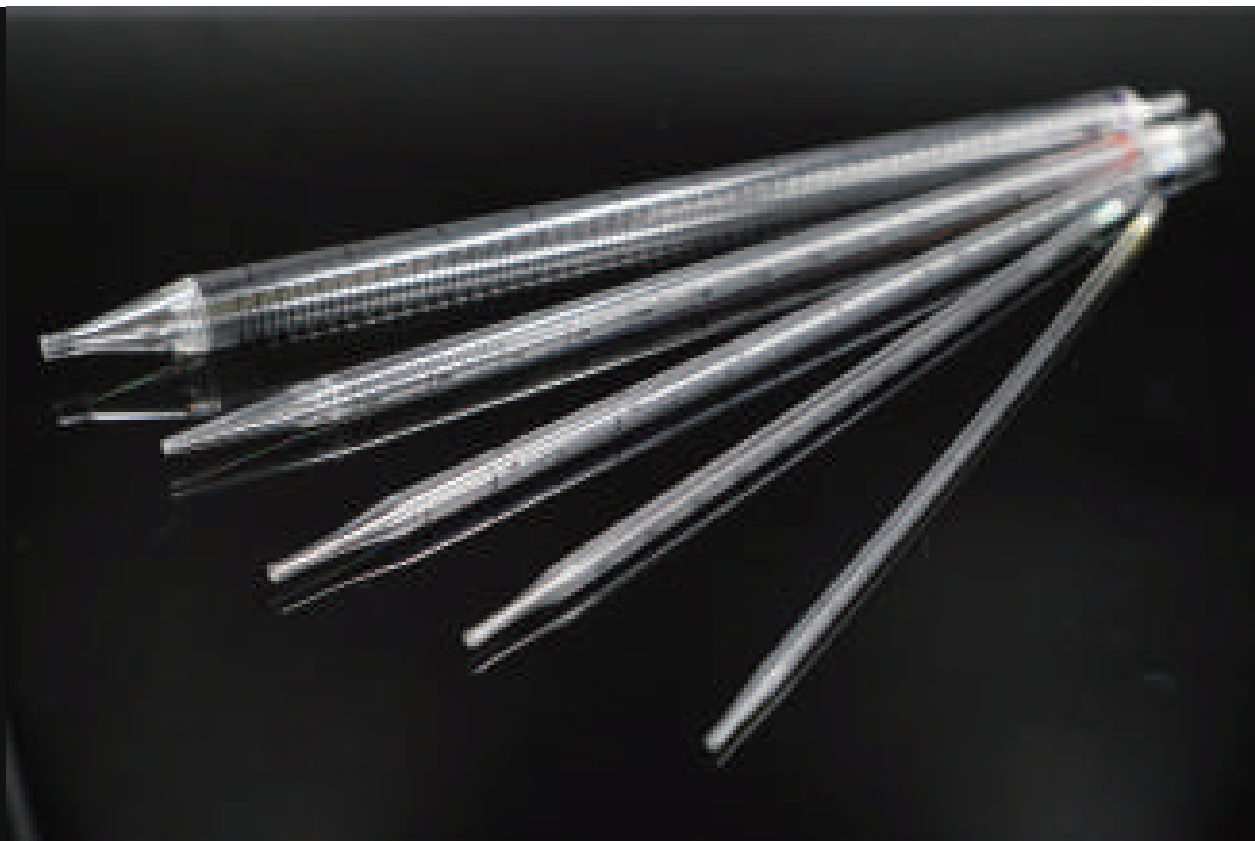


Features

- Good chemical stability
- Transparent with clear graduations for easy observation
- Pipette can be twisted for use with micro vessels and special-shaped containers
- High precision and good repeatability
- Individually wrapped, sterilized by EO
- DNase/RNase, endotoxin and pyrogenic free

Cat.No.	Volume (mL)	Length (mm)	Pack	Sterile	/Pack	/Case
318012	1	144	Individually Packed	Sterile	500	2,000
318112	2	150	Individually Packed	Sterile	500	2,000
318212	3	162	Individually Packed	Sterile	500	2,000
318314	3(Extra Long)	182	Individually Packed	Sterile	200	2,000
318031	1	144	Bulk	Non-sterile	500	5,000
318131	2	150	Bulk	Non-sterile	500	5,000
318231	3	162	Bulk	Non-sterile	500	5,000

Serological Pipette



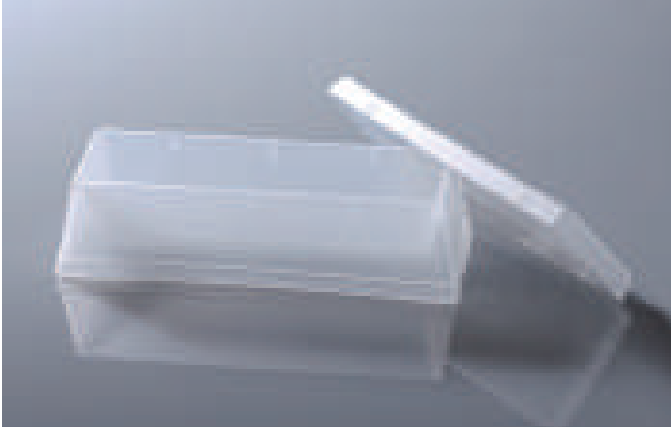
NEST serological pipettes can be used biological research such as tissue culture and bacterial culture. They are made of highly transparent polystyrene and are individually packaged in paper-plastic bags. Pipettes of different specifications are distinguished by different colors.

Features

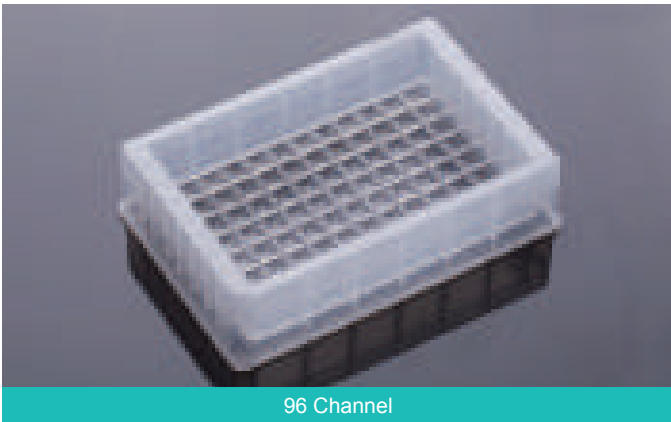
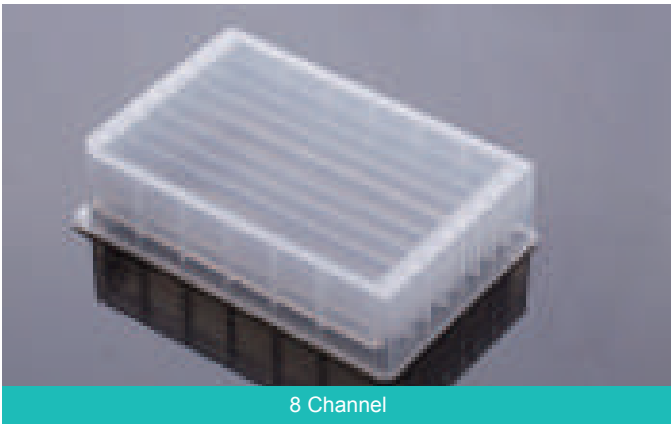
- Made of high clarity, 100% virgin polystyrene.
- Sterilized by E-beam, SAL=10⁻⁶.
- Non-Pyrogenic, DNase/Rnase free.
- Edged color-coded band for identification.
- Negative graduations for extra volume.
- Polyolefin fiber filter to reduce contamination.

Cat.No.	Volume (mL)	Description	/Pack	/Case
324001	1	Individually Wrapped	500	3,000
325001	2	Individually Wrapped	400	2,400
326001	5	Individually Wrapped	200	800
327001	10	Individually Wrapped	200	800
328001	25	Individually Wrapped	200	800
329001	50	Individually Wrapped	100	600

Reagent Reservoir



Cat.No.	Volume (mL)	/Pack	/Case
360002	60	5	25



Cat.No.	Description	/Pack	/Case
360101	Reservoir, Multi Well, 8 Channel Troughs, High Profile (22mL, No Cap), Non-Sterile	5	50
360102	Reservoir, Multi Well, 12 Channel Troughs, High Profile (15mL, No Cap), Non-Sterile	5	50
360103	Reservoir, Single Well, 96 Channel Troughs, High Profile (195mL, No Cap), Non-Sterile	5	50
360104	Reservoir, Single Well, 384 Channel Troughs, High Profile (195mL, No Cap), Non-Sterile	5	50

Tips: Customized sterilized product.

Round Storage Bottle

Sterile and enzyme-free plastic reagent bottles, suitable for product packaging and storage requirements in molecular biology and cell biology, laboratory medicine, genomics and proteomics as well as other areas. Improvement in the quality of product packaging helps to improve the company image and brand value, letting your product packaging meet international standards and enter the international market.

Features

- The raw materials, premium polypropylene (PP)/polyethylene (HDPE), have excellent physical and chemical indicators and very good pressure-resistance, impact-resistance and acid and alkali resistance. PP materials can undergo autoclave sterilization at 121 °C ; HDPE can be stored at -80 °C .
- A full range of choices to meet different packaging and storage requirements.
- Wash-free, no need for tedious pre-cleaning processing work, ready to use, greatly improves the packaging effect of users. Thickened middle packaging to ensure transportation and storage safety.
- Use of professional leak-proof design for bottle mouth, with no need for inner cover or inner gasket for protection, and excellent sealability.
- Guarantee of being 100% leaking-proof to ensure safety even during air transportation; wide-mouthed design for easy access of liquid.
- No biotoxicity, pyrogen-free, DNase/RNase-free, manufactured in a 100-thousand grade clean plant. The plastic bottles are sterilized using GAMMA-ray.
- Introduction of imported digital-controlled production equipment with high precision; the products have fine details and comfortable feel. The body walls of which are even with high gloss, with no color difference; high uniformity between different batches.
- With respect to the process, high-class molding technologies and surface processing technologies are used, leading to smooth interior and exterior surfaces of the plastic bottles without wicking effect of reagents, subsequently significantly reducing sample wastage; the products have high interchangeability with imported ones, can be used to replace the imported ones.

Polypropylene (PP)

Cat.No.	Volume (mL)	Material	/Pack	/Case
335201	8	PP	20	400
336201	15	PP	20	400
337201	30	PP	10	200
338201	60	PP	10	200
339201	125	PP	10	100
340201	250	PP	10	100
341201	500	PP	5	50

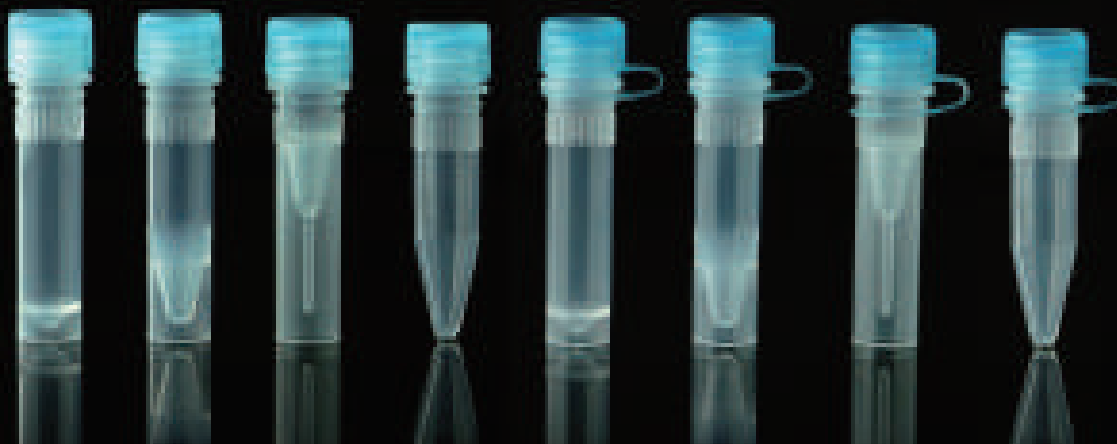


Polyethylene (HDPE)

Cat.No.	Volume (mL)	Material	/Pack	/Case
335101	8	HDPE	20	400
336101	15	HDPE	20	400
337101	30	HDPE	10	200
338101	60	HDPE	10	200
339101	125	HDPE	10	100
340101	250	HDPE	10	100
341101	500	HDPE	5	50



Sample Vial



Application

- Caps have 6 colors (blue, red, yellow, blue, purple and green), which can be used for personalized identification of different reagents in a fast and convenient way.
- Cap color is encoded in the product code.
- Products are made of transparent polypropylene (PP) which meets USP Class VI standards and is free of heavy metal ions. Products can be used in proteomics, drug development, genomics and other fields.
- Special knurling design on the vial body enables the vial to be stuck in the special base and to be tightened with a single hand.
- Silicone O-ring inside the screw caps ensures secure sealing. ADR & IATA compliant, no liquid leakage in negative pressure test under a pressure of -0.95 bar.
- Withstands a maximum centrifugal force up to 20,000 xg.

Cat.No.	Color	Description	Packaging		Cat.No.	Color	Description	Packaging	
			/Pack	/Case				/Pack	/Case
633001-B	Blue	0.5mL Self-Standing Vials External Thread	50	2,000	633011-B	Blue	0.5mL Self-Standing Vials External Thread Hinged Cap	50	2,000
633001-R	Red		50	2,000	633011-R	Red		50	2,000
633001-Y	Yellow		50	2,000	633011-Y	Yellow		50	2,000
633001-P	Purple		50	2,000	633011-P	Purple		50	2,000
633001-N	Natural		50	2,000	633011-N	Natural		50	2,000
633001-G	Green		50	2,000	633011-G	Green		50	2,000
634001-B	Blue	1.5mL Self-Standing Vials External Thread	50	2,000	634011-B	Blue	1.5mL Self-Standing Vials External Thread Hinged Cap	50	2,000
634001-R	Red		50	2,000	634011-R	Red		50	2,000
634001-Y	Yellow		50	2,000	634011-Y	Yellow		50	2,000
634001-P	Purple		50	2,000	634011-P	Purple		50	2,000
634001-N	Natural		50	2,000	634011-N	Natural		50	2,000
634001-G	Green		50	2,000	634011-G	Green		50	2,000
635001-B	Blue	2.0mL Self-Standing Vials External Thread	50	2,000	635011-B	Blue	2.0mL Self-Standing Vials External Thread Hinged Cap	50	2,000
635001-R	Red		50	2,000	635011-R	Red		50	2,000
635001-Y	Yellow		50	2,000	635011-Y	Yellow		50	2,000
635001-P	Purple		50	2,000	635011-P	Purple		50	2,000
635001-N	Natural		50	2,000	635011-N	Natural		50	2,000
635001-G	Green		50	2,000	635011-G	Green		50	2,000
634101-B	Blue	1.5mL Conical Vials External Thread	50	2,000	634111-B	Blue	1.5mL Conical Vials External Thread Hinged Cap	50	2,000
634101-R	Red		50	2,000	634111-R	Red		50	2,000
634101-Y	Yellow		50	2,000	634111-Y	Yellow		50	2,000
634101-P	Purple		50	2,000	634111-P	Purple		50	2,000
634101-N	Natural		50	2,000	634111-N	Natural		50	2,000
634101-G	Green		50	2,000	634111-G	Green		50	2,000



Application

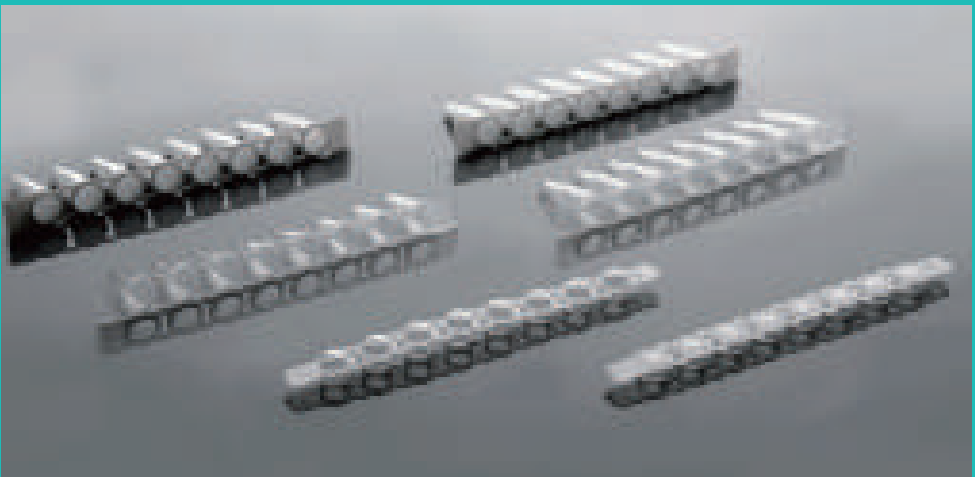
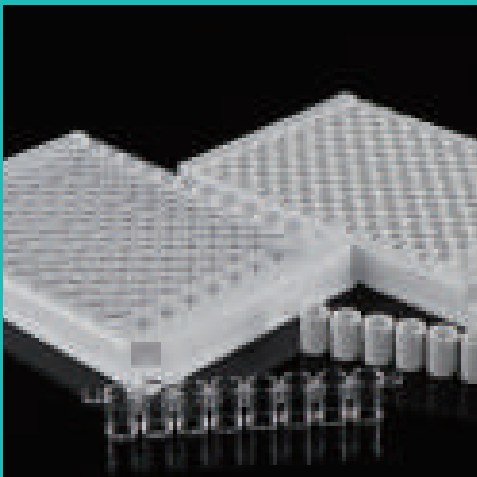
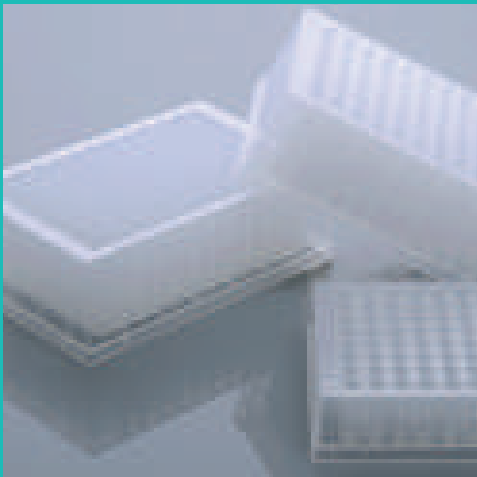
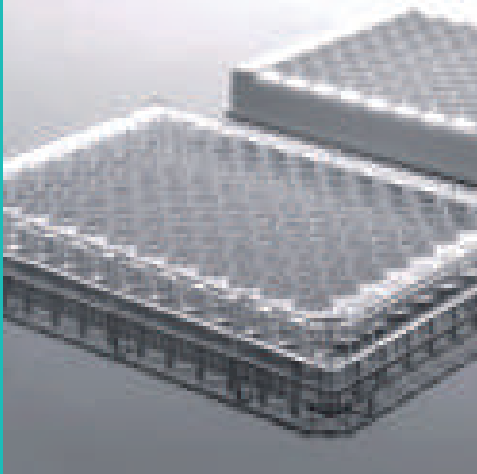
Products can be used for the collection and transportation of samples. After being preserved in different solutions, the collected tissue samples can be used for subsequent PCR extraction and detection, or for culture if necessary. Products are suitable for the sampling of virus, as well as mycoplasma, chlamydia, ureaplasma, etc.

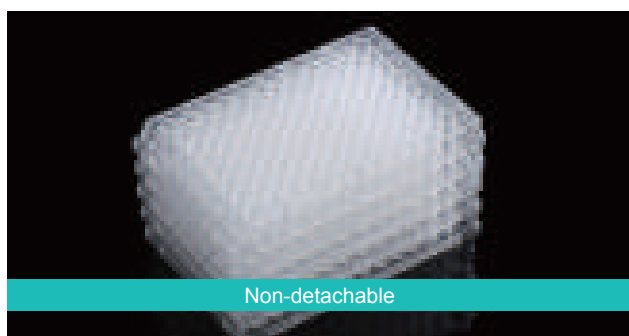
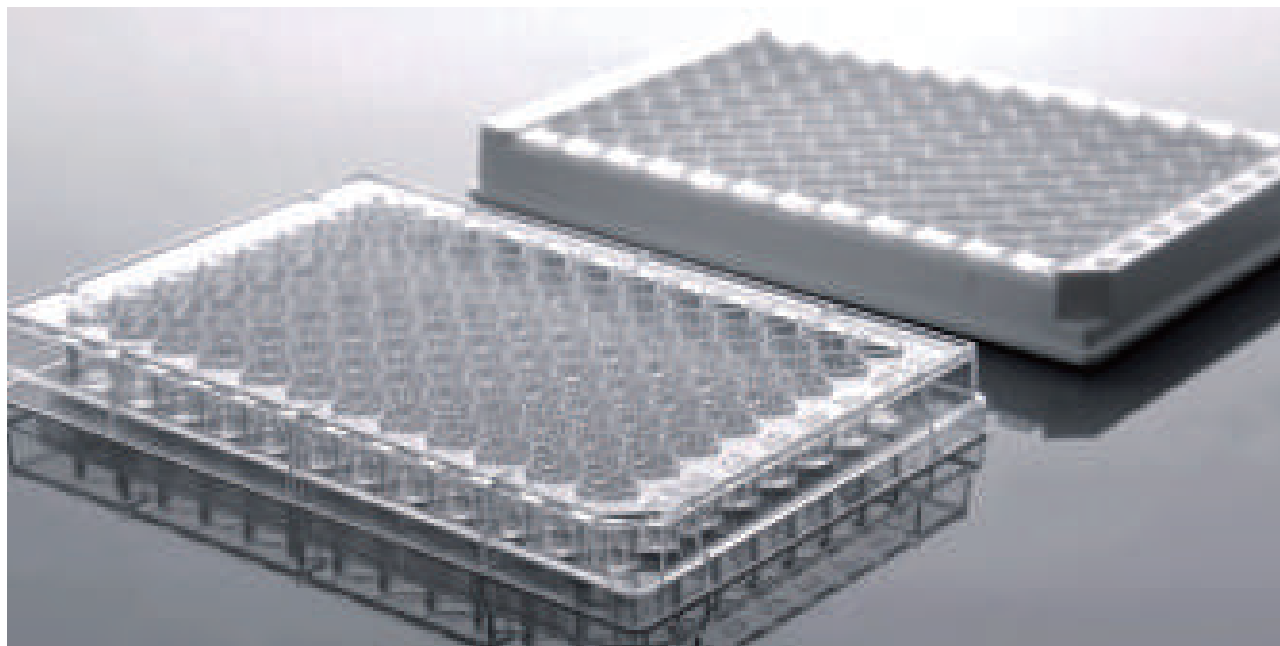
Features

- Vials are made of polypropylene which meets USP Class VI standards.
- E-beam sterilized, SAL=10⁻⁶
- Dnase/Rnase free and endotoxin free
- Vials are available in 5 mL/10 mL sizes.
- The self-standing bottom is convenient for handling
- Excellent sealing performance, no liquid leakage under pressure of -70kPa, ensuring safe and effective air transportation.

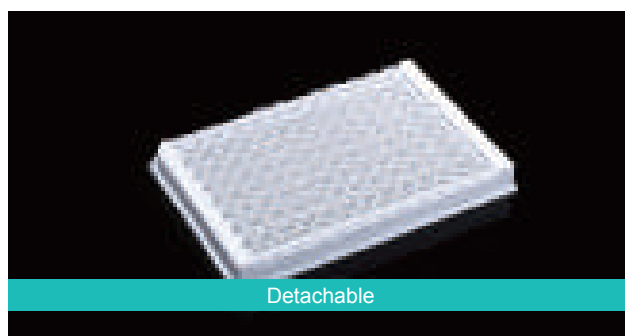
Cat.No.	Description	/Pack	/Case
619011	5 mL sample vials, caps screwed on	50	100
625001	10 mL sample vials, caps screwed on	50	100
619107	5 mL sample vials, double-threaded, screw caps separated	200	500
625007	10 mL sample vials, screw caps separated	200	500

Molecular Biology





Non-detachable



Detachable

NEST ELISA plate, made of polystyrene, is a safe, reliable and effective supporter in enzyme-linked immuno-absorbent assay (ELISA). The features of the plates are crucial for the adsorption of antigens, antibodies and antigen-antibody complexes. ELISA plates from NEST adopts a unique surface treatment process, allowing to obtain ideal results in ELISA tests which are extensively employed in vitro diagnostics in medical and clinical laboratories.

Features

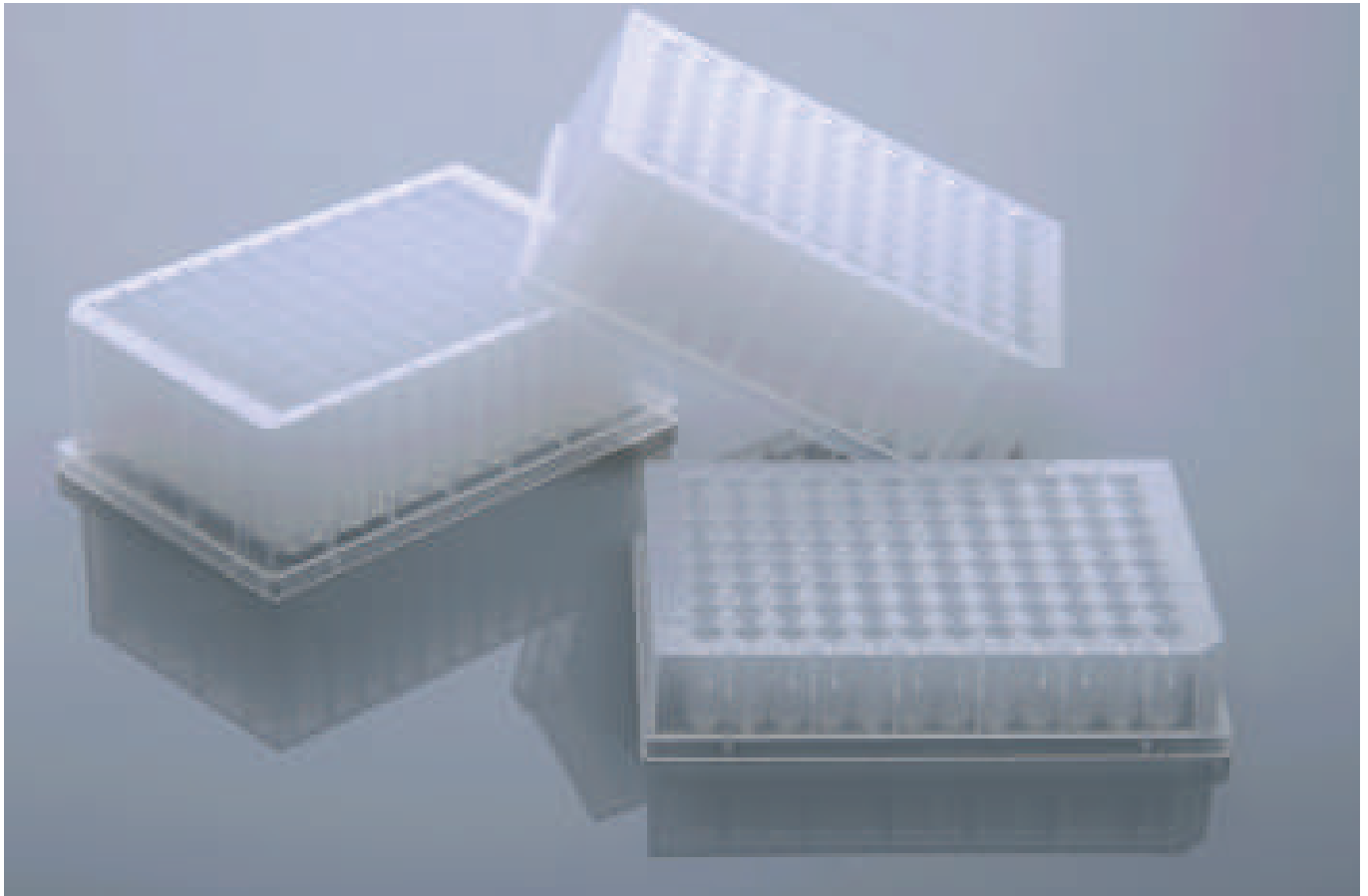
- The plates are made of polystyrene and are designed specifically for ELISAs. They present good adsorption performance and low blank value.
- Uniform well thickness and well size
- High batch-to-batch stability and low coefficient of variation (CV) value
- Both detachable and non-detachable flat-bottom plates are offered for customers to choose from based on their applications.
- The letters and numbers on the frame of the plates are convenient for detection and identification in experiments.
- High transparency of clear plate bottom
- White plates are best suited for luminescence measurements as they reflect the signal instead of absorbing it and hence enhance the luminescence signals. Raw materials show good light-proof properties, which greatly reduce well-to-well signal interference.

Features of detachable 96-well ELISA plate

- Greatly improves the versatility in diagnostic testing.
- Each well is locked in the frame, all at the same height.
- The design of 8-well strip allows for uniform reading and washing.

Cat.No.	Description	/Pack	/Case
504201 (old cat# 505201)	96 Well ELISA Plate, Detachable, High Binding, White Frame & Clear Well	5	50
514201 (old cat# 515201)	96 Well ELISA Plate, Undetachable, High Binding, Clear	5	50
504271	96 Well ELISA Plate, Detachable, High Binding, White Frame & White Well	5	50

Deep Well Plate



The length and width of the deep well plate comply with the SBS international standards. The deep well plates of NEST have a variety of specifications, conforming to the needs of fully automatic workstations and experiments.

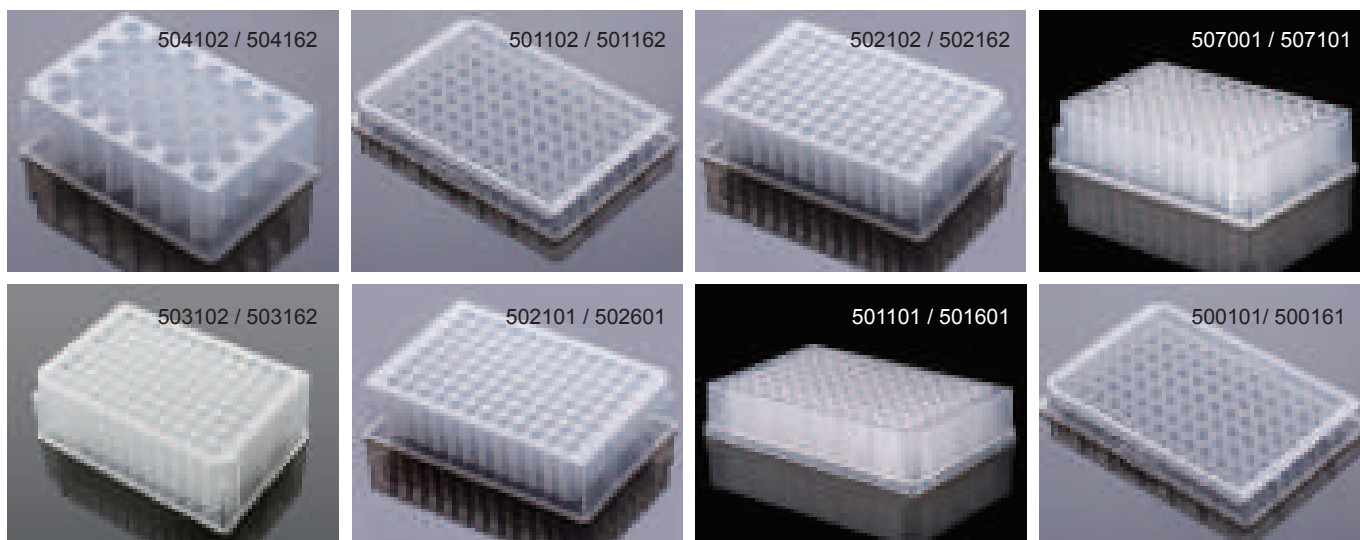
Features

- Used high quality, imported PP material for high stability, ensuring no chemical reactions with test reagents.
- Compatible with DMSO and inert to water.
- Can be stored under subzero temperature from -40 to -80 C .
- Maximum sustainable centrifuge force 4000g.
- Autoclavable at 20Psi, 121 C for 20 minutes, great heating uniformity.
- Minimum residual liquid, low heavy metal content.
- Certified DNase/RNase and Pyrogen Free.
- Conformed to international SBS Standards.
- Good flatness and can be transported for long distance after sealing by heat sealable film.
- Produced and packed in Class 100,000 clean workshop.
- Alphabetical sorting and cut angle mark for convenient tracking of samples.
- Each package has a separate article number/batch number identification, facilitating the quality tracking.

Application

Genomic DNA extraction, plasmid DNA extraction, and nucleic acid extraction and purification of various samples. High-throughput automatic liquid operation to achieve high-throughput operations, such as protein precipitation, liquid extraction, and processing of animal tissues, bacteria, plants, soil, clinical samples, yeasts, etc.

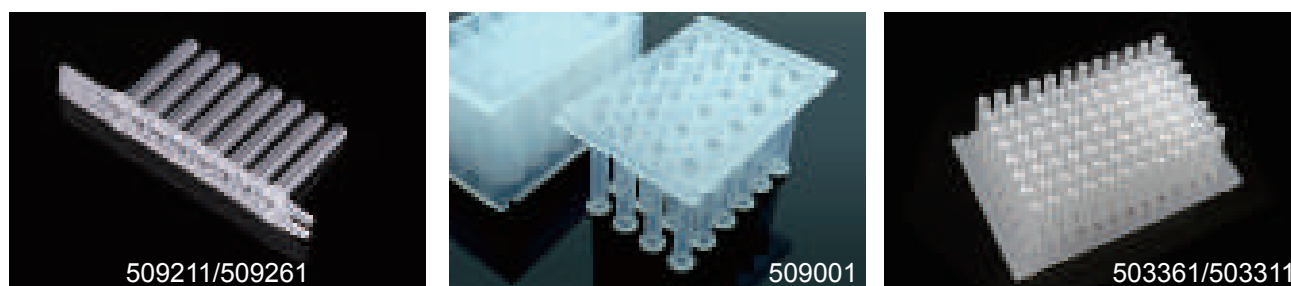
Deep Well Plate



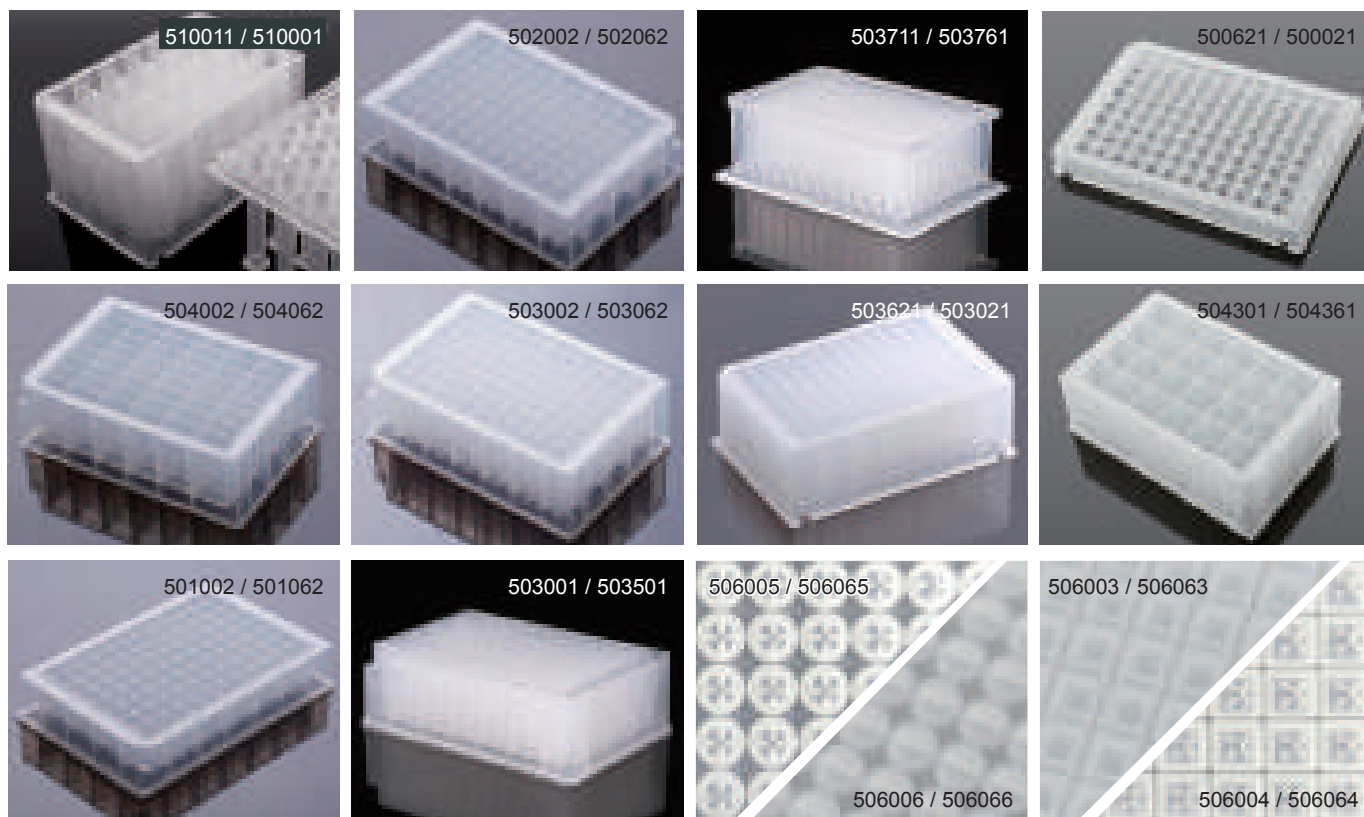
Round Well

Non-sterile Cat.No.	Sterile Cat.No.	Description	/Pack	/Case
504102	504162	3.5 ml 48-Well Deep Well Plate, U-Bottom, Round well	5	50
501102	501162	0.4 ml 96-Well Deep Well Plate, U-Bottom, Round well	5	50
502102	502162	1.0 ml 96-Well Deep Well Plate, U-Bottom, Round well	5	50
503102	503162	2.0 ml 96-Well Deep Well Plate, U-Bottom, Round Well	5	50
500101	500161	0.36 ml 96-Well Deep Well Plate, V-Bottom, Round well	5	50
501101	501601	0.5ml 96-Well Deep Well Plate, V-Bottom, Round well	10	50
502101	502601	1.3 ml 96-Well Deep Well Plate, V-Bottom, Round well	5	50
507001	507101	1.3 ml 96-Well Deep Well Plate, U-Bottom, Round well	5	50

Plastic Tip Comb



Non-sterile Cat.No.	Sterile Cat.No.	Description	/Pack	/Case
509211	509261	8 Tip Combs, U-Bottom	2	500
503311	503361	96 Tip Combs for Magnetic applications 503311 Equivalent to Thermo Fisher #97002534 503361 Equivalent to Thermo Fisher #97002820	2	50
/	509001	24 Tip Combs, 67.6*13.5 mm, Compatible with Thermo KingFisher System	1	25



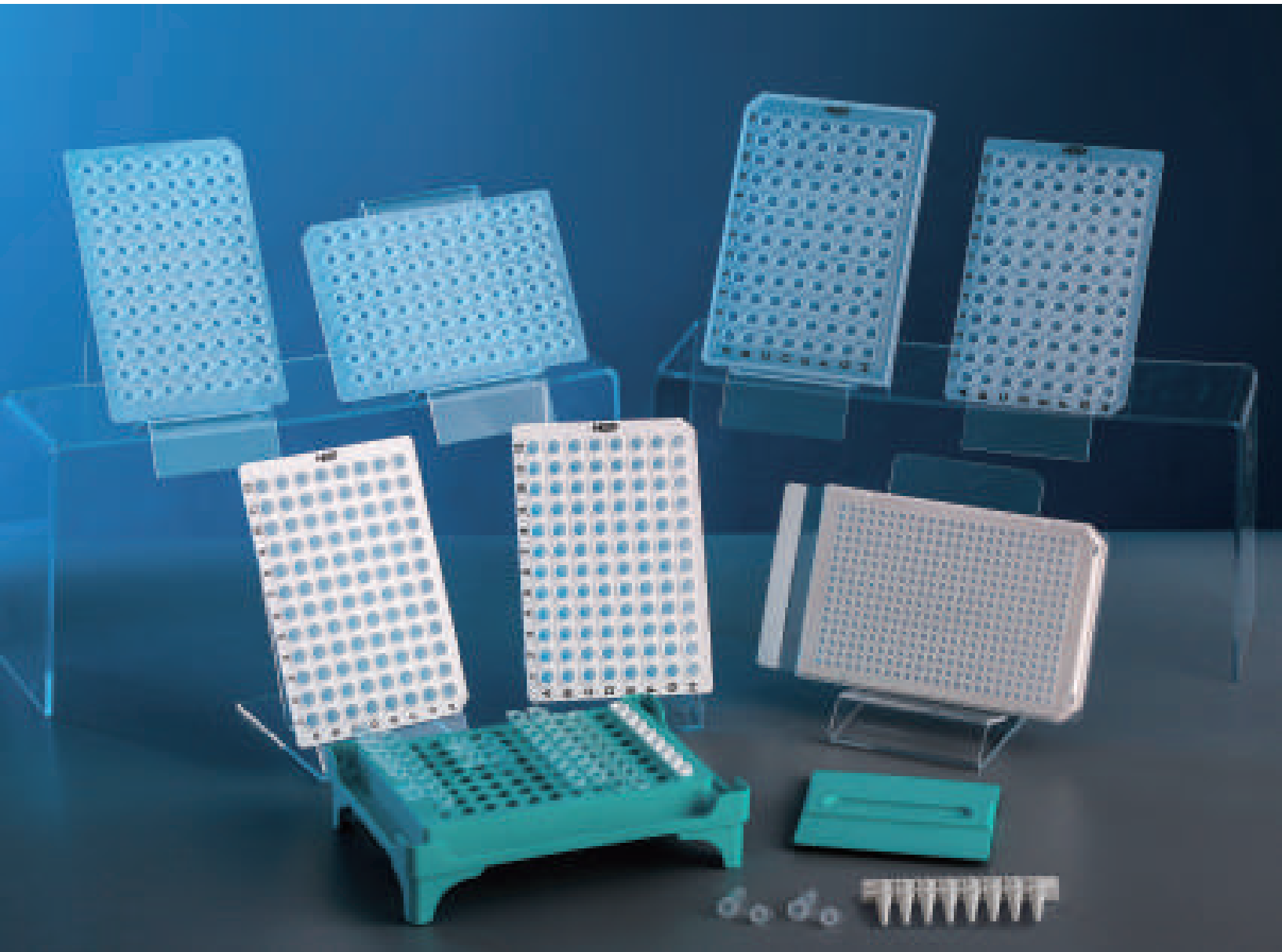
Square Well

Non-sterile Cat.No.	Sterile Cat.No.	Description	/Pack	/Case
504302	504362	10.4 ml 24-well Deep Well Plate, U-Bottom, Square well	5	50
504002	504062	4.6 ml 48-Well Deep Well Plate, U-Bottom, Square well	5	50
501002	501062	1.0 ml 96-Well Deep Well Plate, U-Bottom, Square Well	5	50
502002	502062	1.6 ml 96-Well Deep Well Plate, U-Bottom, Square Well	5	50
503002	503062	2.2 ml 96-Well Deep Well Plate, U-Bottom, Square Well	5	50
503001	503501	2.2 ml 96-Well Deep Well Plate, V-Bottom, Square well	5	50
503711	503761	2.2 ml 96-Well Deep Well Plate, I-shaped, U-Bottom, Square Well	5	50
503021	503621	2.2 ml 96-Well Deep Well Plate, V Conical Bottom, Square well 503021 Equivalent to Thermo Fisher #95040450 503621 Equivalent to Thermo Fisher #95040460	5	50
500021	500621	0.5 ml 96-Well Deep Well Plate, V Conical Bottom, Square well, 500021 Equivalent to Thermo Fisher #97002540	5	50
504301	504361	10.4 ml 24-well Deep Well Plate, V-Bottom, Square well 504301 Equivalent to Thermo Fisher #95040470 504361 Equivalent to Thermo Fisher #95040480	5	50
/	510011	16 mL 24-Well Deep Well Plates, V Bottom, Square Well, with 24 Well Plastic Comb, 67.6*13.5 mm, Compatible with Thermo KingFisher System	1	25
/	510001	16 mL 24-Well Deep Well Plates, V Bottom, Square Well, Compatible with Thermo KingFisher System	1	25

Silicone Sealing Mat

Non-sterile Cat.No.	Sterile Cat.No.	Description	/Pack	/Case
506005	506065	96 Well Round well Silicone Sealing Mat, can be punctured, <=1.0 ml	10	50
506006	506066	96 Well Round well Silicone Sealing Mat, 2.0 ml	10	50
506003	506063	96 Well Square well Silicone Sealing Mat	10	50
506004	506064	96 Well Square well Silicone Sealing Mat, can been punctured	10	50

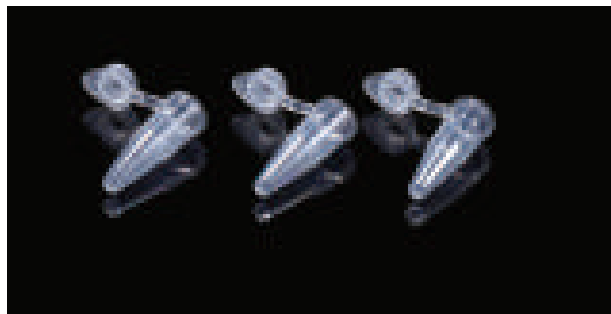
8-Strip PCR Tube & TubesCap & PCR 96 Well Plate



PCR Tube & Cap

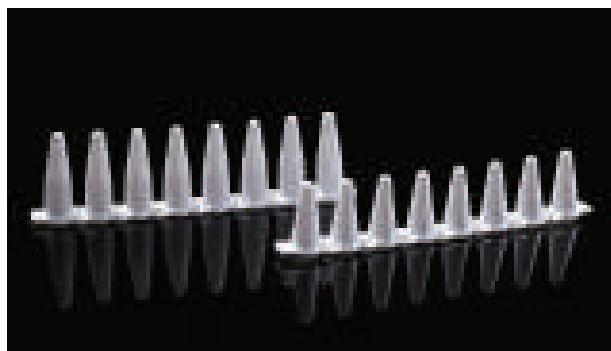
Features

- Free of Dnase and Rnase, human DNA and PCR inhibitors
- Autoclavable



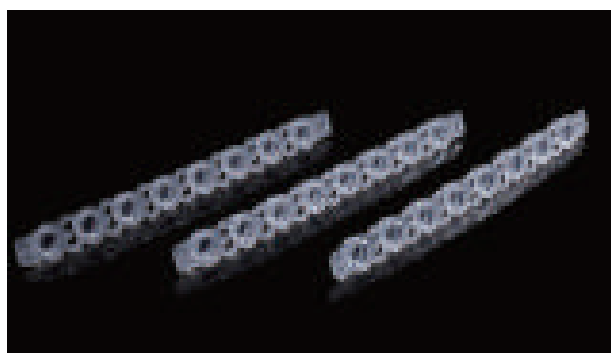
PCR Tube

Cat.No.	Volume (mL)	/Pack	/Case
401001	0.2	1,000	10,000



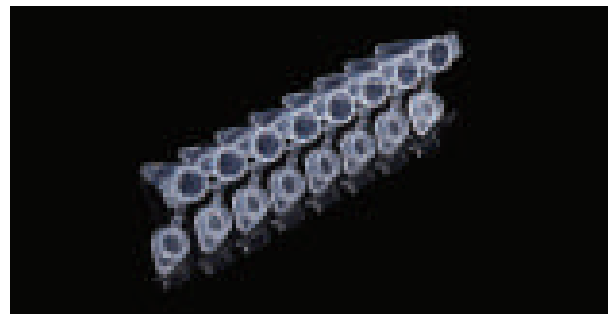
PCR 8-strip Tube, White

Cat.No.	Volume (mL)	/Pack	/Case
403112	0.1	125	1,250
403012	0.2	125	1,250



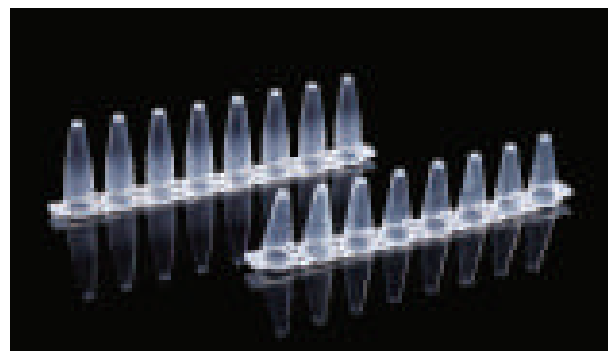
PCR 8-strip Tube Cap

Cat.No.	Cap Type	/Pack	/Case
406012	Flat	125	1,250



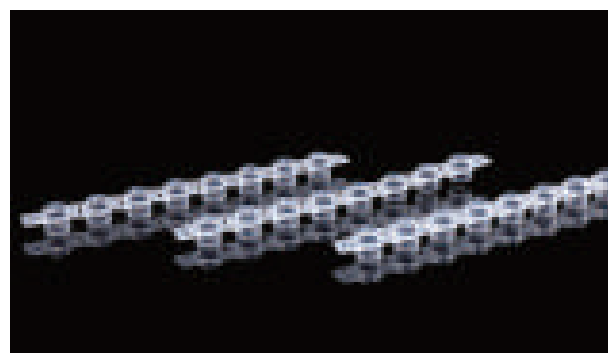
PCR 8-strip Tube with Individual Cap Attached

Cat.No.	Volume (mL)	/Pack	/Case
404001	0.2	120	1,200



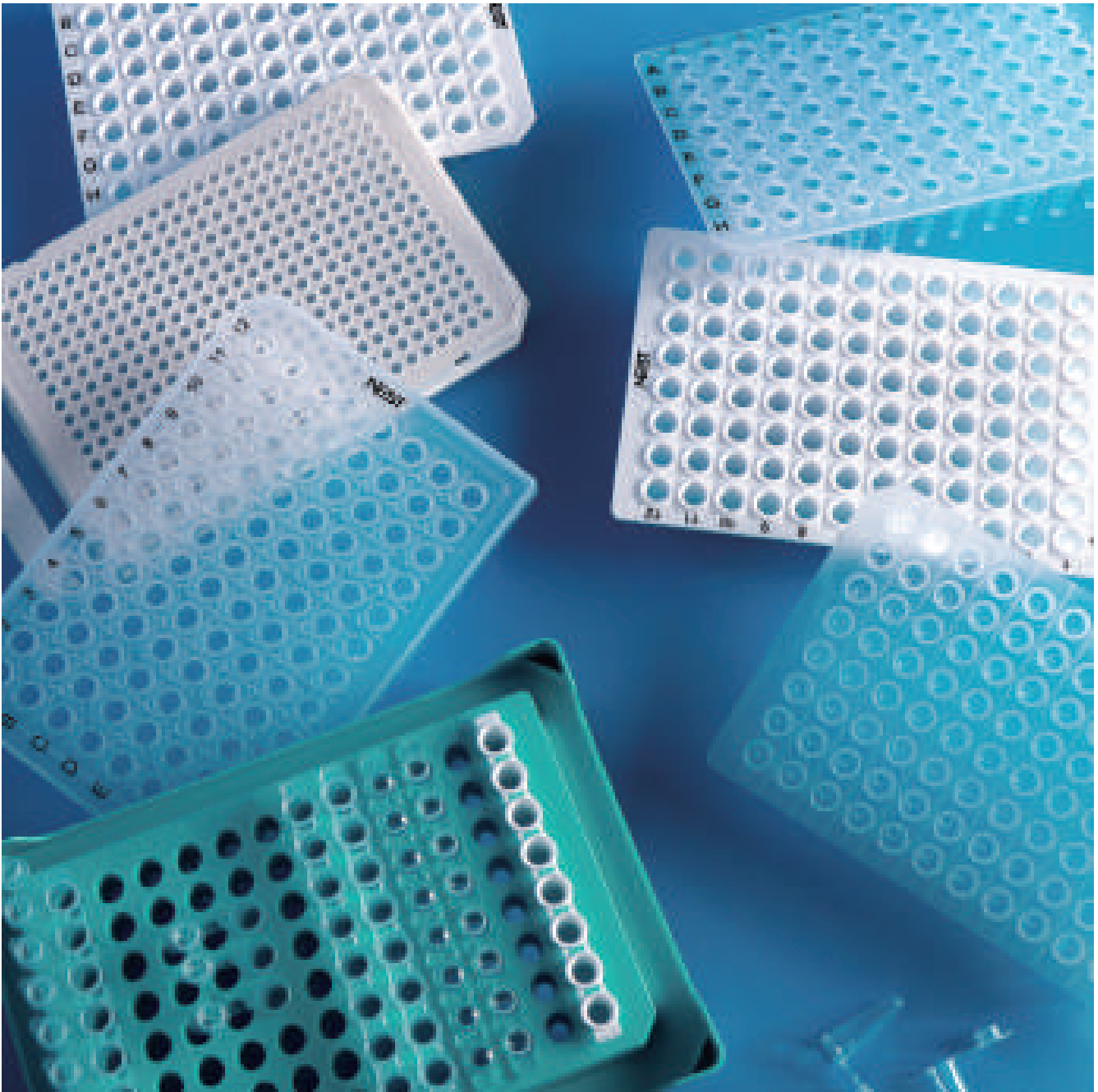
PCR 8-strip Tube, Transparent

Cat.No.	Volume (mL)	/Pack	/Case
403102	0.1	125	1,250
403002	0.2	125	1,250



PCR 8-strip Tube Cap

Cat.No.	Cap Type	/Pack	/Case
406112	Domed	125	1,250



When using a thermal cycler with the fluorescence detector above the samples, NEST white PCR plates effectively prevent crosstalk between wells. The Nest white PCR plate also allows for high accuracy of detection when signal intensity is low. Nest clear PCR plates are designed for PCR machines where the fluorescence detector is located below the sample plate.

Features

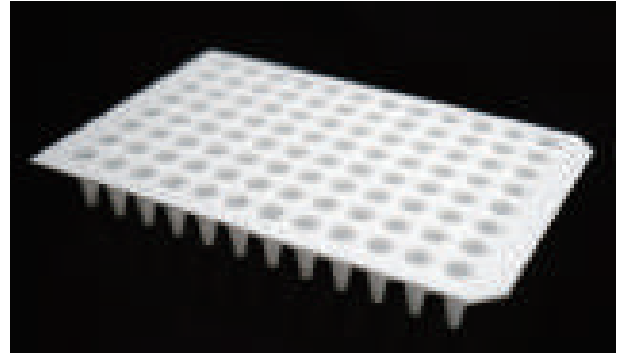
- Made of high quality polypropylene to ensure minimal loss of reaction solution.
- Flat surface, thick and solid, not easy to deform.
- Elevated edge of the hole can better prevent cross contamination.
- Compatible with NEST pressure sensitive film, self-adhesive film and hot sealing film.
- Autoclavable.
- Certified DNase/RNase and Pyrogen Free.

PCR Plate

Compatible with Roche Systems



Cat.No.	Volume (mL)	Skirt Type	Cut Position	/Pack	/Case
402712	0.1	Semi Skirt	H12	10	50



Cat.No.	Volume (mL)	Skirt Type	Cut Position	/Pack	/Case
402812	0.1	No Skirt	A12/H12	10	50



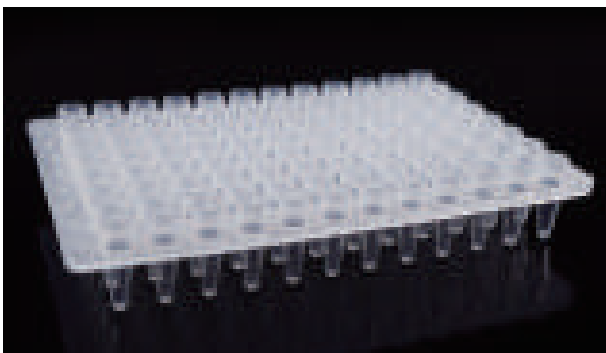
Cat.No.	Volume (uL)	Skirt Type	Cut Position	/Pack	/Case
409013	40	Semi Skirt	A24/P24	10	50

PCR Adaptation Table

Brand	Instrument Model	Cat.No.		
		402712	402812	409013
Roche	lightcycler 480	✓		
	lightcycler 480 II	✓		✓
	lightcycler 96	✓		
	lightcycler nano		✓	

PCR Plate, No Skirt, Elevated Wells

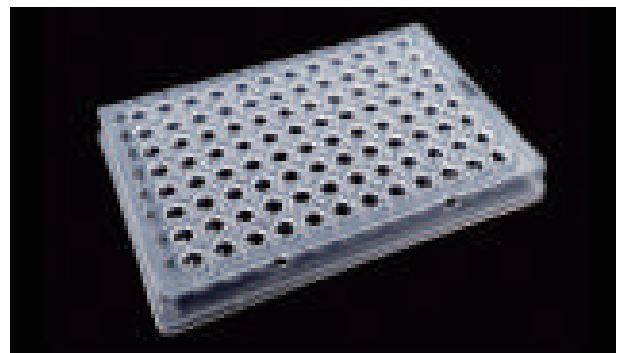
Elevated wells plate is designed to reduce the risk of cross contamination.



Cat.No.	Volume (mL)	Skirt Type	Cut Position	/Pack	/Case
402201	0.2	No Skirt	H12	25	100

PCR Plate, Full Skirt

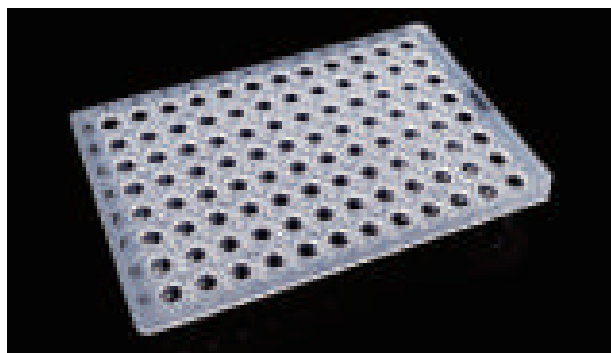
Stronger construction and more space for labeling.



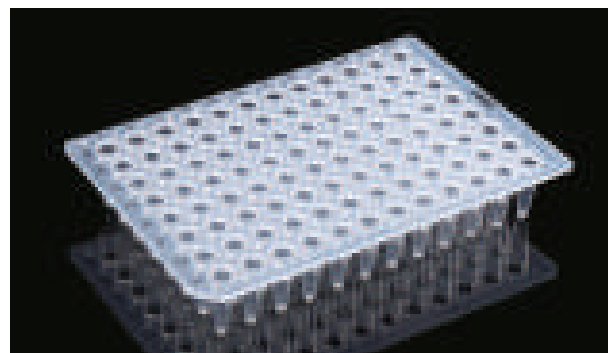
Cat.No.	Volume (mL)	Skirt Type	Cut Position	/Pack	/Case
402501	0.1	Full Skirt	H1	25	100

PCR Plate, No Skirt

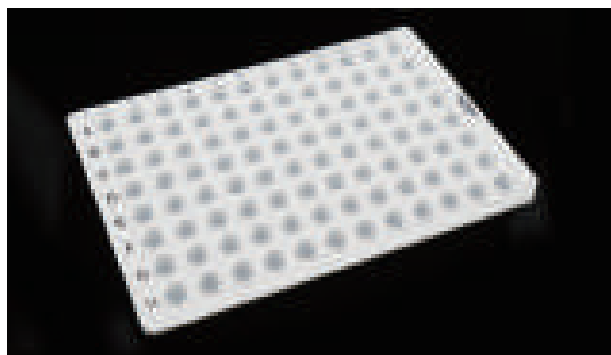
The low profile design minimizes the condensate contamination and evaporation of reaction solution.



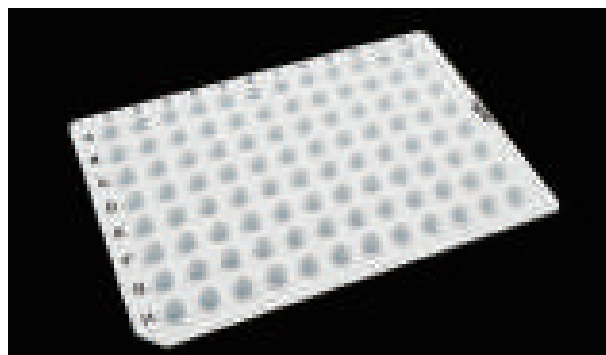
Cat.No.	Volume (mL)	Skirt Type	Cut Position	/Pack	/Case
402101	0.1	No Skirt	H12	25	100



Cat.No.	Volume (mL)	Skirt Type	Cut Position	/Pack	/Case
402001	0.2	No Skirt	H1	25	100



Cat.No.	Volume (mL)	Skirt Type	Cut Position	/Pack	/Case
402111	0.1	No Skirt	H12	25	100



Cat.No.	Volume (mL)	Skirt Type	Cut Position	/Pack	/Case
402011	0.2	No Skirt	H1	25	100

PCR Plate, Semi Skirt, Compatible with ABI Machines

Stronger construction and more space for labeling.



Cat.No.	Volume (mL)	Skirt Type	Cut Position	/Pack	/Case
402401	0.1	Semi Skirt	A1	25	100

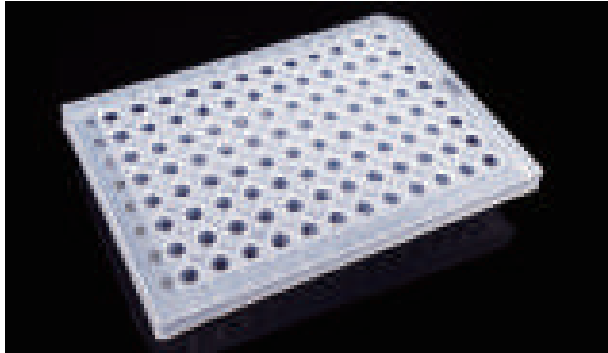


Cat.No.	Volume (mL)	Skirt Type	Cut Position	/Pack	/Case
402601	0.2	Semi Skirt	A12	25	100

PCR Plate

PCR Plate, Semi Skirt

Stronger construction and more space for labeling.



Cat.No.	Volume (mL)	Skirt Type	Cut Position	/Pack	/Case
402301	0.2	Semi Skirt	A12	25	100



Cat.No.	Volume (mL)	Skirt Type	Cut Position	/Pack	/Case
402411	0.1	Semi Skirt	A1	25	100

PCR Rack

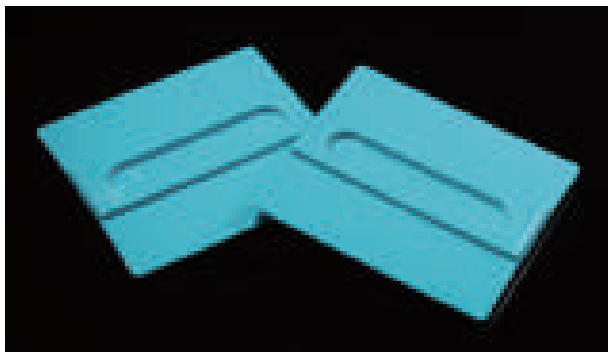
Features

- Fits all NEST PCR products
- Stackable
- Autoclavable

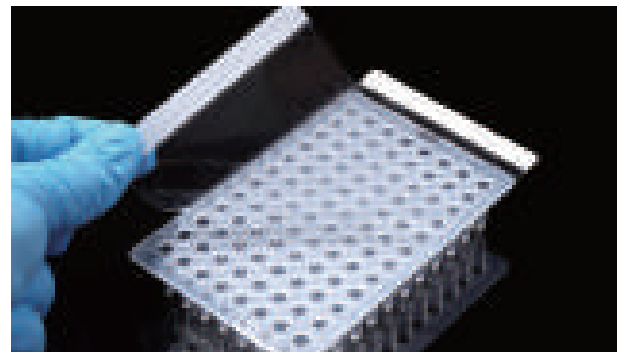
Cat.No.	Specification	/Pack	/Case
407001	8*12, One Rack & One Lid	1	25
407101	8*12, Five Racks & One Lid	5	25



PCR Sealing Film & Scraper



Cat.No.	Size (mm)	/Pack
411001	70*78	1



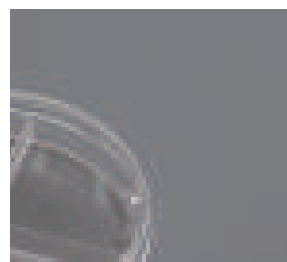
Cat.No.	Specification	/Pack	/Case
410001	Standard Sealing Film, -20°C To 110°C	100	500
410011	Advanced Sealing Film, -70°C To 100°C	100	500

Brand	Model	Number	PCR Tube										PCR Plates					
			401001	403002/404001	403102/403122	403112/403132	403012/403032	404001/403022	402001	402301	402501	402401	402101	402812	402601	402201		
Applied Biosystems®	2720	401001	403002/404001							404001/403022	402001	402301				402601		
	9600	401001	403002/404001							404001/403022	402001	402301				402601		
	9700	401001	403002/404001							404001/403022	402001	402301				402601		
	9800Fast			403102/403122									402401	402101				
	Veriti/Fast			403102/403122							402001	402301	402401	402101		402601		
	7000	401001	403002/404001				403012/403032			404001/403022	402001	402301				402601		
	7300	401001	403002/404001				403012/403032			404001/403022	402001	402301				402601		
	7500/Fast	401001	403002/404001	403102/403122			403012/403032			404001/403022	402001	402301	402401	402101		402601		
	7700	401001	403002/404001							404001/403022	402001	402301				402601		
	7900HT/Fast	401001	403002/404001	403102/403122						404001/403022	402001	402301	402401	402101		402601		
	StepOne				403112/403132								402401	402101	402812			
	StepOnePlus				403112/403132								402401	402101	402812			
	ProflexPCRSYSTEM	401001	403002/404001							404001/403022	402001	402301				402601		
	QuantStudio 12K	401001	403002/404001							404001/403022	402001	402301				402601		
	VIA7/Fast	401001	403002/404001	403102/403122			403012/403032			404001/403022	402001	402301	402401	402101		402601		
	3100										402001	402301				402601		
	3130										402001	402301				402601		
3700										402001	402301				402601			
3730/3730x										402001	402301				402601			
Mastercycler®	401001	403002/404001							404001/403022	402001	402301	402501						
Mastercycler® ep realplex	401001	403002/404001							404001/403022	402001	402301	402501						
Mastercycler ep	401001	403002/404001							404001/403022	402001	402301	402501						
Mastercycler nexus	401001	403002/404001							404001/403022	402001	402301	402501						
Mastercycler nexus eco	401001	403002/404001							404001/403022	402001	402301	402501						
Mastercycler nexus flat	401001								404001/403022	402001	402301							
Mastercycler nexus flat eco	401001	403002/404001							404001/403022	402001	402301							

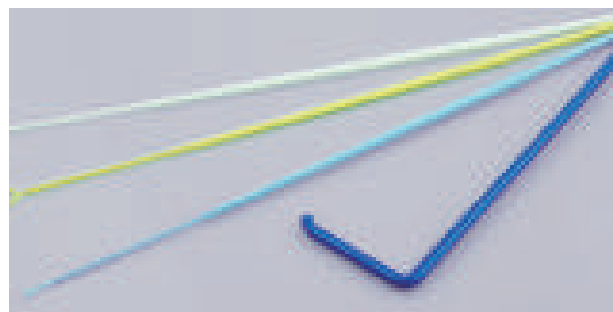
Eppendorf®	Mastercycler nexus gradient	401001	403002/404001					404001/403022	402001	402301	402501						
	Mastercycler nexus gradient eco	401001	403002/404001					404001/403022	402001	402301	402501						
	Mastercycler nexus GSX1	401001	403002/404001					404001/403022	402001	402301	402501						
	Mastercycler nexus GSX1e	401001	403002/404001					404001/403022	402001	402301	402501						
	Mastercycler nexus SX1	401001	403002/404001					404001/403022	402001	402301	402501						
	Mastercycler nexus SX1e	401001	403002/404001					404001/403022	402001	402301	402501						
	Mastercycler pro/S	401001	403002/404001					404001/403022	402001	402301	402501						
	3Prime	401001	403002/404001					404001/403022									
	3PrimeG	401001	403002/404001					404001/403022									
	3PrimeX	401001	403002/404001					404001/403022									
	Cyclogene™	401001	403002/404001					404001/403022	402001	402301	402501						
	Flexigene™	401001	403002/404001					404001/403022	402001	402301	402501						
	Genius	401001	403002/404001					404001/403022	402001	402301	402501						
	Genius Quad	401001	403002/404001					404001/403022	402001	402301	402501						
	Genius (TC412)	401001	403002/404001					404001/403022	402001	402301	402501			402101			
	Prime	401001	403002/404001					404001/403022	402001	402301	402501						
	Prime Elite	401001	403002/404001					404001/403022	402001	402301	402501						
Prime Elite Satellite	401001	403002/404001					404001/403022	402001	402301	402501							
PrimeG	401001	403002/404001					404001/403022	402001	402301	402501							
Touchgene®Gradient(TC512)	401001	403002/404001				403102/403122	403102/403122	404001/403022	402001	402301	402501			402101			
Touchgene®X	401001	403002/404001				403102/403122	403102/403122	404001/403022	402001	402301	402501			402101			
PrimeQ	401001	403002/404001						404001/403022	402001	402301	402501						
Quantica®	401001	403002/404001						404001/403022	402001	402301	402501						
FlexCycler	401001	403002/404001				403102/403122	403102/403122	404001/403022	402001	402301	402501			402101			
T1 Thermal Cycler	401001	403002/404001				403102/403122	403102/403122	404001/403022	402001	402301	402501			402101			
TGradient	401001	403002/404001				403102/403122	403102/403122	404001/403022	402001	402301	402501			402101			
Tpersonal	401001	403002/404001				403102/403122	403102/403122	404001/403022	402001	402301	402501			402101			
TProfessional/Basic	401001	403002/404001				403102/403122	403102/403122	404001/403022	402001	402301	402501			402101			

Analitik Jena/ Biometra	TProfessional/Standard	401001	403002/404001	403102/403122			404001/403022	402001	402301	402501	402101		
	TProfessional/TIRO	401001	403002/404001	403102/403122			404001/403022	402001	402301	402501	402101		
	TRobot	401001	403002/404001	403102/403122			404001/403022	402001	402301	402501	402101		
	Uno	401001	403002/404001	403102/403122			404001/403022	402001	402301	402501	402101		
	Uno II	401001	403002/404001	403102/403122			404001/403022	402001	402301	402501	402101		
	q TOWER	401001	403002/404001					402001	402301	402501			
	SpeedCycler ²	401001	403002/404001					402001	402301	402501			
	Topical	401001	403002/404001					402001	402301	402501			
	C1000™ Touch™	401001	403002/404001				404001/403022	402001	402301	402501			
	DNA Engine Dyad@Dyad Disciple	401001	403002/404001				404001/403022	402001	402301	402501			
	Engine Tetrad@2	401001	403002/404001				404001/403022	402001	402301	402501			
	MyCycler™	401001	403002/404001				404001/403022	402001	402301	402501			
	PTC-1000®	401001	403002/404001				404001/403022	402001	402301	402501			
	PTC-200	401001	403002/404001				404001/403022	402001	402301	402501			
	PTC-225 Tetrad	401001	403002/404001				404001/403022	402001	402301	402501			
	S1000™	401001	403002/404001				404001/403022	402001	402301	402501			
T100™	401001	403002/404001				404001/403022	402001	402301	402501				
CFX Connect™	401001	403002/404001	403102/403122			404001/403022	402001	402301	402501	402101			
CFX96™ Touch/CFX96	401001		403102/403122	403112/403132			404001/403022			402501	402101	402812	
Chromo4™	401001	403002/404001					404001/403022	402001	402301	402501			
DNA Engine Opticon@2	401001	403002/404001					404001/403022	402001	402301	402501			
iCycler	401001	403002/404001					404001/403022	402001	402301	402501			
iQ™5	401001	403002/404001					404001/403022	402001	402301	402501			
MiniOpticon™	401001	403002/404001					404001/403022	402001	402301	402501			
MyiQ™	401001	403002/404001					404001/403022	402001	402301	402501			
Opticon			403102/403122	403112/403132						402501	402101		
miniOpticon				403112/403132								402812	
BaseStation™									402301	402501			
MJ research option												402812	
Opticon2			403102/403122							402501	402101	402812	

Bacteria



Your Best Choice For Laboratory And Medical Consumables



Petri Dish



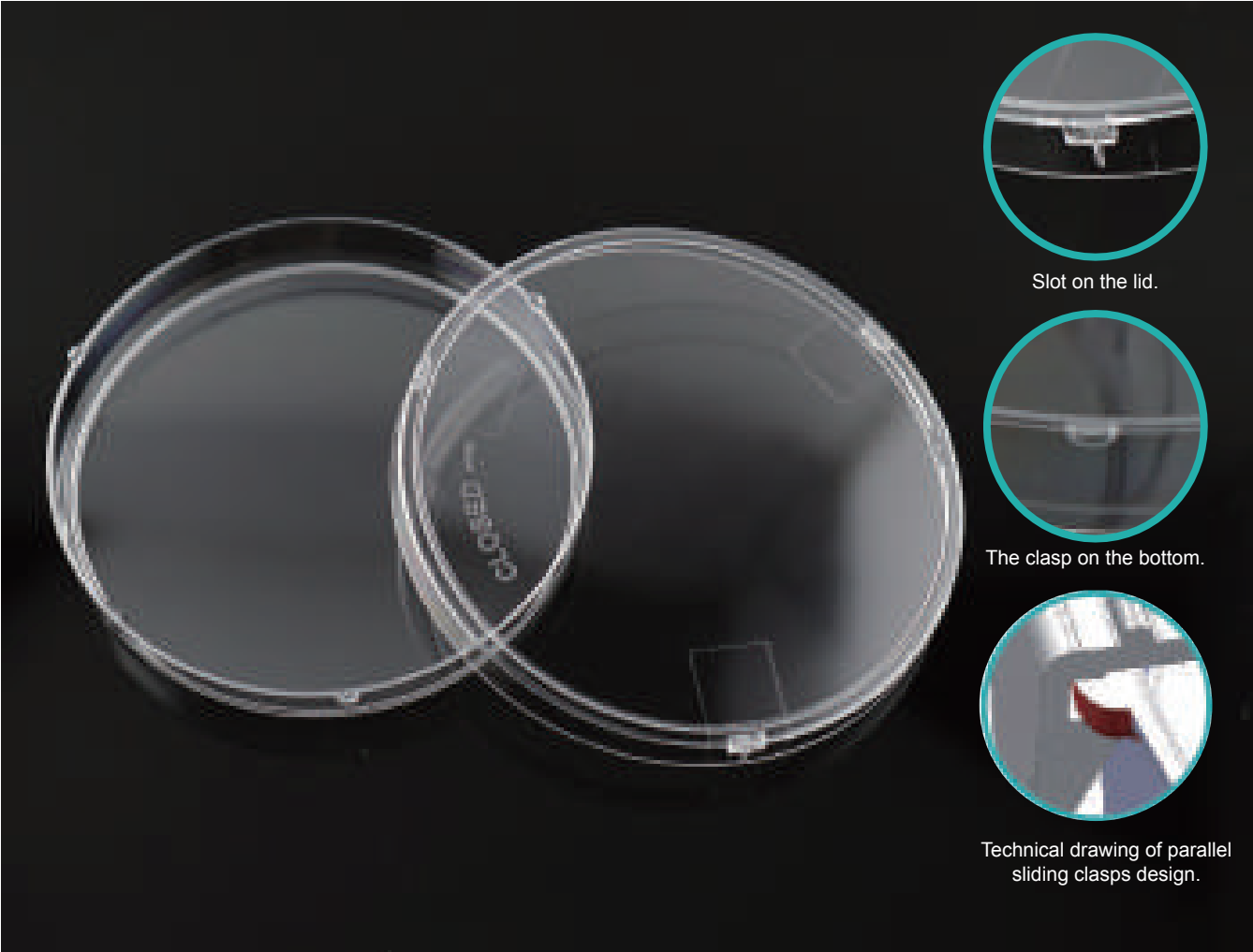
These non-treated polystyrene plates are transparent and DNase/RNase-Free. The bottom has a ridge allowing for easy handling and stacking. The plate has three vents for gas exchange.

Features

- Made of high clarity, 100% virgin polystyrene.
- Sterilized by E-beam, SAL=10⁻⁶.
- Flat, transparent surface.
- Stackable for easy storage and handling.
- Non-Pyrogenic, DNase/Rnase free.

Cat.No.	Spec(mm)		Volume (mL)	/Pack	/Case
	Diameter	Height			
706011	35	12	5	20	500
754001	60	15	15	20	500
752001(US: 753001)	90	15	40	20	500
752002	90	15	40	20 Double-layer Packed	500
752004	90	15	40	10	500
752003	90	15	40	5	500
752011(US:753011)	90	15	20 x 2 Compartments	20	500
752021(US: 753021)	90	15	13 x 3 Compartments	20	500
752031(US: 753031)	90	15	10 x 4 Compartments	20	500
752401	100	20	40	20	300
715011	150	15	60	10	100
755001	150	25	/	5	100
722011(RODAC)	65	15	13-15	20	500

Petri Dish With Safelock Design



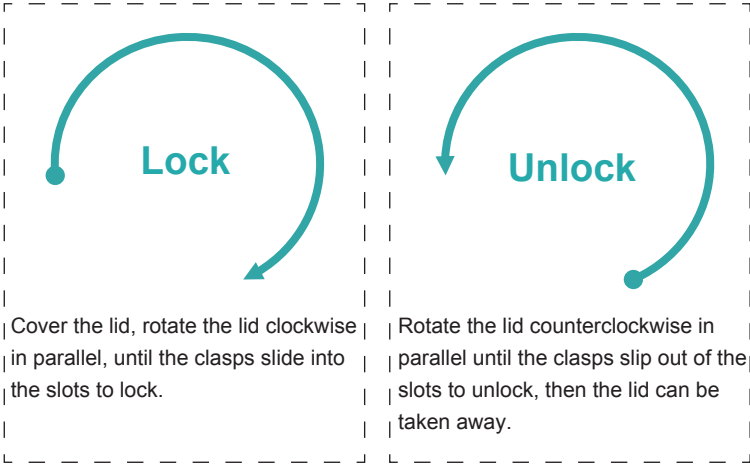
Slot on the lid.

The clasp on the bottom.

Technical drawing of parallel sliding clasps design.

Parallel Sliding Clasps Design

Each dish has three sets of parallel sliding clasp, compare with standard dish, you don't need to worry about the lid or bottom falling off if you don't hold it properly.



Cat.No.	Spec(mm)		Volume (mL)	/Pack	/Case
	Diameter	Height			
752101	90	15	40	20	500

L-Spreader



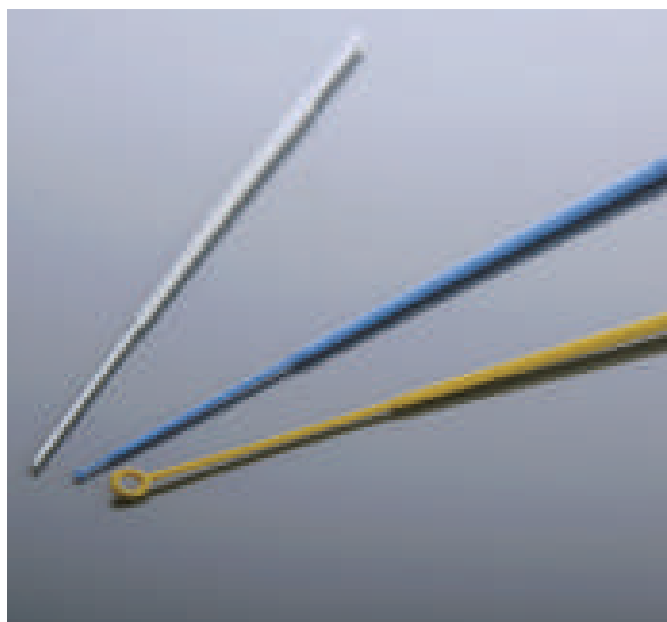
Using a grinding tool with high precision in combination with an ergonomic design, the efficient sterile L-Spreader specialized for Asian scientific researchers is developed and manufactured to effectively solve problems such as contamination or uneven application of spread plate in bio-labs, which helps to make domestic biological testing practitioners more efficient and simplify their tedious work during biological experiments.

Features

- Sterile L-Spreader, using medical PS.
- Sterilized by E-beam, SAL=10⁻⁶.
- Smooth and flat surface that solves problems such as contamination or uneven application of spread plate in bio-labs;
- Length of handle: 144mm, diagram of spreading: 33mm, suitable for 3.5cm, 6cm, 9cm, 10cm petri dishes and etc. Ideal for spreading cells or bacteria evenly in the culture dish.

Cat.No.	Name	/Pack	/Case
711001	L-Spreader, Blue	200	2,000

Inoculating Needle / Loop

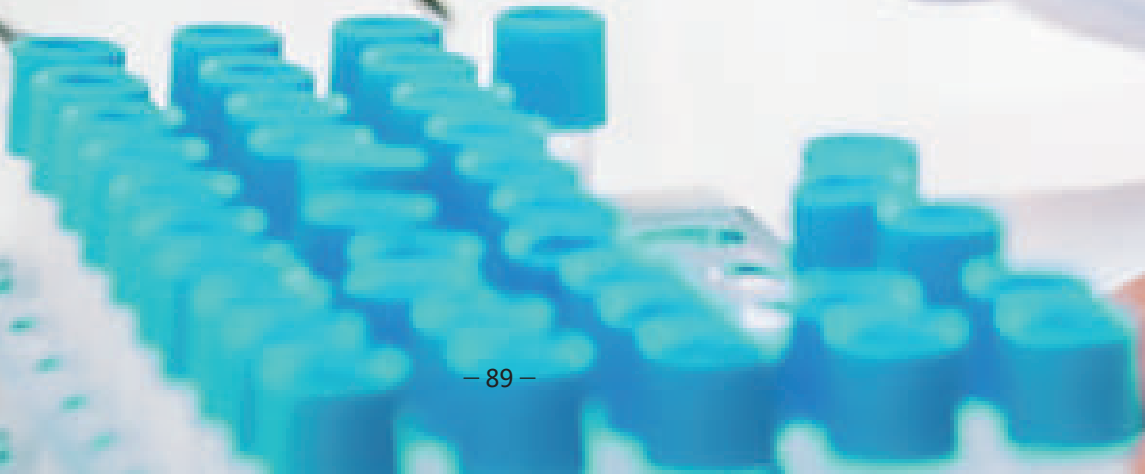


Features

- PP material, hydrophilic.
- Used in microbiology experiments.
- Different colors for identification.
- Flexible handles for easier collection and inoculation.
- Sterilized by Ethylene Oxide.
- Easy-tear sterile individual packaging.

Cat.No.	Volume (μL)	Name	Color	/Pack	/Case
716001	/	Inoculating Needle	White	400	4,000
717101	1	Inoculating Loop	Blue	400	4,000
718201	10	Inoculating Loop	Yellow	400	4,000

Medical Consumable



Three Types of Swab

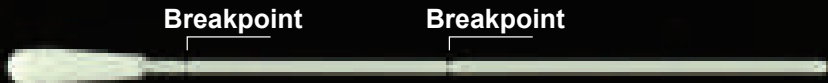
ADVANTAGE:

- Swab head is flocked nylon, and swab shaft is made of ABS (Acrylonitrile butadiene styrene).
- Non-toxic
- Individually wrapped and sterile
- CE, FDA, ISO certified

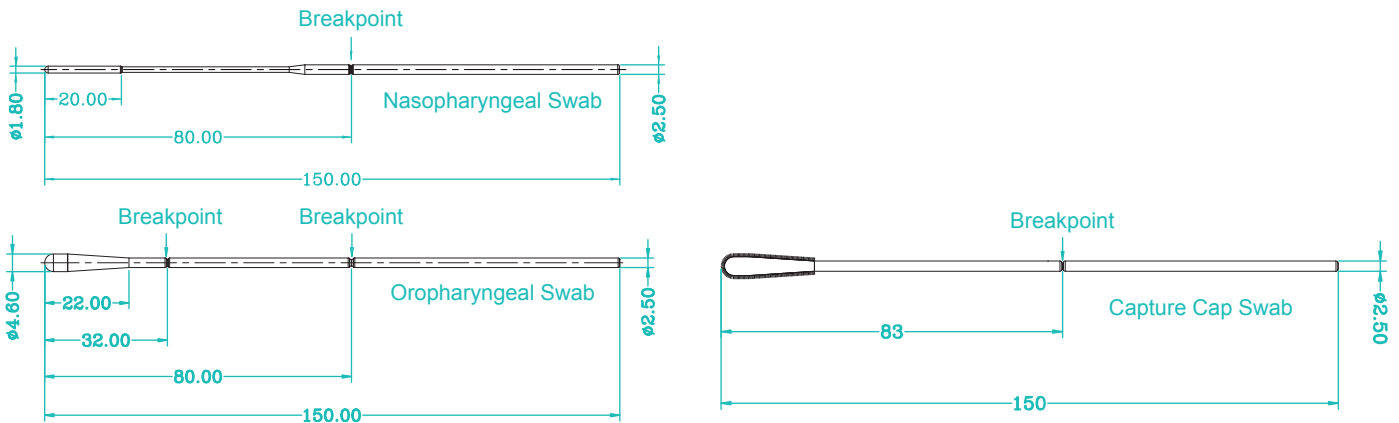
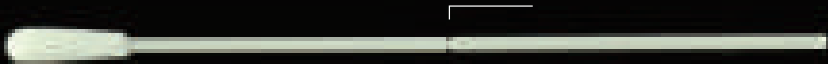
Nasopharyngeal Swab



Oropharyngeal Swab

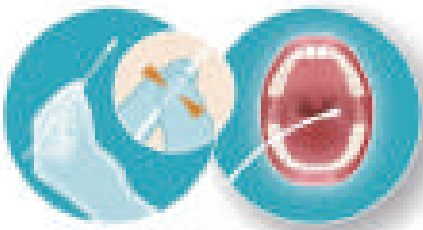


Capture Cap Swab



Cat.No.	Description	/Pack	/Case
202003	Oropharyngeal Specimen Collection Swab, Individually Wrapped, Sterile	100	5000
202004	Nasopharyngeal Specimen Collection Swab, Individually Wrapped, Sterile	100	5000
202401	Oropharyngeal Specimen Collection Swab, Capture Cap Swabs, Individually Wrapped, Sterile	100	5000
202099	Oropharyngeal/Nares Specimen Collection Swab, Individually Wrapped, Sterile	100	5000
202695	Disposable Sampler, 2 mL Vial, with Individually Wrapped and Sterile Oropharyngeal Swabs	10	50
202091	Disposable Sampler, 5 mL Vial, with Individually Wrapped and Sterile Nasopharyngeal Swabs	10	50

Operating Instructions



Oropharyngeal Swab & Capture Cap Swab:

- Gently insert swab into back of the throat and tonsillar area.
- Rub the swab over both tonsillar pillars and the posterior oropharynx, avoid touching the tongue, teeth and gums.



Nasopharyngeal Swab:

- With the patient seated, if possible, tilt the head back 70 degrees.
- Gently insert swab into the nostril along the septum floor of the nose extending straight back until the posterior nasopharynx is reached (distance from nostrils to external opening of ear).
- Rotate the swab several times while the swab is in contact with the nasopharyngeal wall.

Viral Transport Medium



Features

- Used for collection, storage and transportation of human nasopharyngeal virus samples.
- Unused VTM medium can be transported at room temperature.
- Sample transport temperature requirement & storage time: 2 to 4 C°, 48 h.

Cat.No.	Description	/Pack	/Case
202011	Disposable Sampler, 5 mL Vial with 2.5 mL VTM, with Individually Wrapped and Sterile Oropharyngeal Swab, 10 Vials/pk, 50 Vials + 50 Swabs/cs	10	50
202015	Disposable Sampler, 5 mL Vial with 2.5 mL VTM, with Individually Wrapped and Sterile Nasopharyngeal Swabs, 10 Vials/pk, 50 Vials + 50 Swabs/cs	10	50
202012	Disposable Sampler, 5 mL Vial with 2.5 mL VTM, with Individually Wrapped and Sterile Oropharyngeal Swabs, 1 Vial + 1 Oral Swab/pk, 100 pk/cs	1	100
202014	Disposable Sampler, 5 mL Vial with 2.5 mL VTM, with Individually Wrapped and Sterile Nasopharyngeal Swabs, 1 Vial + 1 NP Swab/pk, 100 pk/cs	1	100
202115	Disposable Sampler, 5 mL Vial with 2.5 mL VTM, 10 Vials/pk, 100 Vials/cs	10	100
202117	Disposable Sampler, 10 mL Vial with 3 mL VTM, 10 Vials/pk, 100 Vials/cs	10	100
202061	Disposable Sampler, 10 mL Vial with 3 mL VTM, with Individually Wrapped and Sterile Oropharyngeal Swab, 10 Vials/pk, 50 Vials + 50 Swabs/cs	10	50
202065	Disposable Sampler, 10 mL Vial with 3 mL VTM, with Individually Wrapped and Sterile Nasopharyngeal Swabs, 10 Vials/pk, 50 Vials + 50 Swabs/cs	10	50
202016	Disposable Sampler, 10 mL Vial with 3 mL VTM, with Individually Wrapped and Sterile Oropharyngeal Swabs, 1 Vial + 1 Oral Swab/pk, 100 pk/cs	1	100
202017	Disposable Sampler, 10 mL Vial with 3 mL VTM, with Individually Wrapped and Sterile Nasopharyngeal Swabs, 1 Vial + 1 NP Swab/pk, 100 pk/cs	1	100
202019	Disposable Sampler, 5 mL Vial with 2.5 mL VTM, with Individually Wrapped and Sterile Oropharyngeal & Nasopharyngeal Swabs, 1 Vial + 1 NP Swab/pk 1 Oral Swab/pk, 100 pk/cs	1	100
202018	Disposable Sampler, 10 mL Vial with 3 mL VTM, with Individually Wrapped and Sterile Oropharyngeal & Nasopharyngeal Swabs, 1 Vial + 1 NP Swab/pk 1 Oral Swab/pk, 100 pk/cs	1	100

Inactivation Transport Medium



Features

- ITM medium serves to both inactivate viruses and prevent nucleic acid degradation.
- Room temperature transport
- Samples can be stored at room temperature for 20 days.
- Used for collection, storage and transportation of viruses, chlamydiae, mycoplasma and ureaplasma.

Cat.No.	Description	/Pack	/Case
202001	Disposable Sampler, 5 mL Vial with 2 mL ITM, with Individually Wrapped and Sterile Oropharyngeal Swab, 10 Vials/pk, 50 Vials + 50 Swabs/cs	10	50
202005	Disposable Sampler, 5 mL Vial with 2 mL ITM, with Individually Wrapped and Sterile Nasopharyngeal Swabs, 10 Vials/pk, 50 Vials + 50 Swabs/cs	10	50
202008	Disposable Sampler, 5 mL Vial with 2 mL ITM, with Individually Wrapped and Sterile Nasopharyngeal Swabs, 1 Vial + 1 NP Swab/pk, 100 pk/cs	1	100
202039	Disposable Sampler, 5 mL Vial with 2 mL ITM, with Individually Wrapped and Sterile Oropharyngeal & Nasopharyngeal Swabs, 1 Vial + 1 NP Swab/pk +1 Oral Swab/pk, 100 pk/cs	1	100
202006	Disposable Sampler, 10 mL Vial with 3 mL ITM, with Individually Wrapped and Sterile Oropharyngeal Swabs, 1 Vial + 1 Oral Swab/pk, 100 pk/cs	1	100
202007	Disposable Sampler, 10 mL Vial with 3 mL ITM, with Individually Wrapped and Sterile Nasopharyngeal Swabs, 1 Vial + 1 NP Swab/pk, 100 pk/cs	1	100
202038	Disposable Sampler, 10 mL Vial with 3 mL ITM, with Individually Wrapped and Sterile Oropharyngeal & Nasopharyngeal Swabs, 1 Vial + 1 NP Swab/pk 1 Oral Swab/pk, 100 pk/cs	1	100
202872	Disposable Sampler Pooling Kits, 10 mL Vial with 2 mL ITM, with Individually Wrapped and Sterile Nasopharyngeal Swabs, 1 vial + 5 swabs pool testing; 10 Vials/pk, 50 Vials/cs, 5 swabs/pk, 250 swabs/cs	1	50

Saline Transport Medium

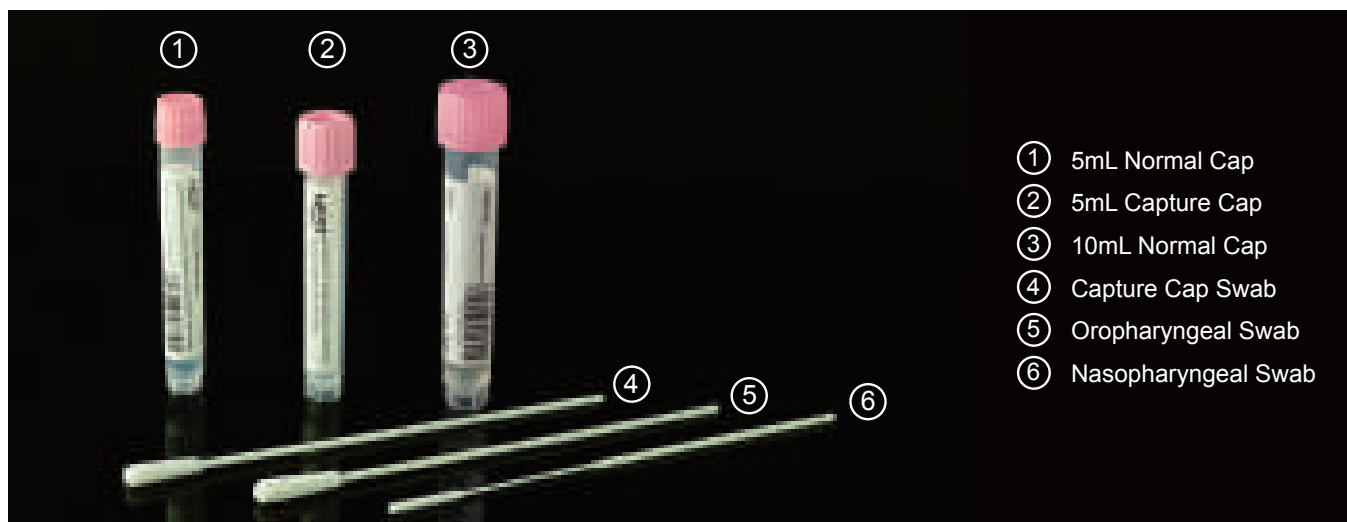


Features

- Non-toxic, safe and effective for home collection.
- Produced according to the FDA standard.
- Room temperature for transportation and storage.
- After collection of the sample transportation requirement: room temperature within 48h.
- Used for collection, storage and transportation of viruses, chlamydiae, mycoplasma and ureaplasma.
- Validation: 2 x LoD (low positives) and 10 x LoD (high positives) virus samples for 56 hours (40 °C for 12 hours, then 32 °C for 42 hours) in this product can be detected by RT-PCR.

Cat.No.	Description	/Pack	/Case
202041	Disposable Sampler, 5 mL Vial with 1.2 mL Saline Solution, with Individually Wrapped and Sterile Oropharyngeal Swabs, 10 Vials/pk, 50 Vials + 50 Swabs/cs	10	50
202045	Disposable Sampler, 5 mL Vial with 1.2 mL Saline Solution, with Individually Wrapped and Sterile Nasopharyngeal Swabs, 10 Vials/pk, 50 Vials + 50 Swabs/cs	10	50
202042	Disposable Sampler, 5 mL Vial with 1.2 mL Saline Solution, with Individually Wrapped and Sterile Oropharyngeal Swabs, 1 Vial + 1 Oral Swab/pk, 100 pk/cs	1	100
202044	Disposable Sampler, 5 mL Vial with 1.2 mL Saline Solution, with Individually Wrapped and Sterile Nasopharyngeal Swabs, 1 Vial + 1 Oral Swab/pk, 100 pk/cs	1	100
202049	Disposable Sampler, 5 mL Vial with 1.2 mL Saline Solution, with Individually Wrapped and Sterile Oropharyngeal & Nasopharyngeal Swabs, 1 Vial + 1 NP Swab/pk 1 Oral Swab/pk, 100 pk/cs	1	100
202141	Disposable Sampler, 5 mL Vial with 1.2 mL Saline Solution, 10 Vials/pk, 100 Vials/cs	10	100
202046	Disposable Sampler, 10 mL Vial with 3 mL Saline Solution, with Individually Wrapped and Sterile Oropharyngeal Swabs, 1 Vial + 1 Oral Swab/pk, 100 pk/cs	1	100

AMIES Transport Medium



- ① 5mL Normal Cap
- ② 5mL Capture Cap
- ③ 10mL Normal Cap
- ④ Capture Cap Swab
- ⑤ Oropharyngeal Swab
- ⑥ Nasopharyngeal Swab

NEST disposable sampler (AMIES) is a collection and transport system which is used for aerobic, anaerobic and fastidious bacteria. In addition, NEST disposable sampler (AMIES) can be used for nucleic acid test of bacteria.

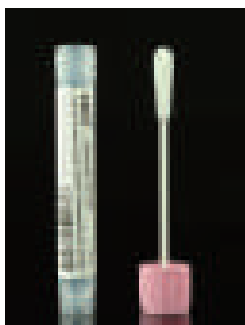
Features

- Simplify specimen collection, transport and processing.
- Fewer samples need to be collected offering a more comfortable experience.
- Better preservation ability: the colony number of samples was reduced by no more than $1.5 \log_{10}$ after preservation for 48h.

Transport Temperature Requirement

Before using: AMIES solution can be stored in room temperature (5 to 25 degree centigrade) for twelve months.

After using: sample could maintain viability for up to 48 hours at room or refrigerator temperature. (*Neisseria gonorrhoeae* survival at 24 hours per CLSI standard).



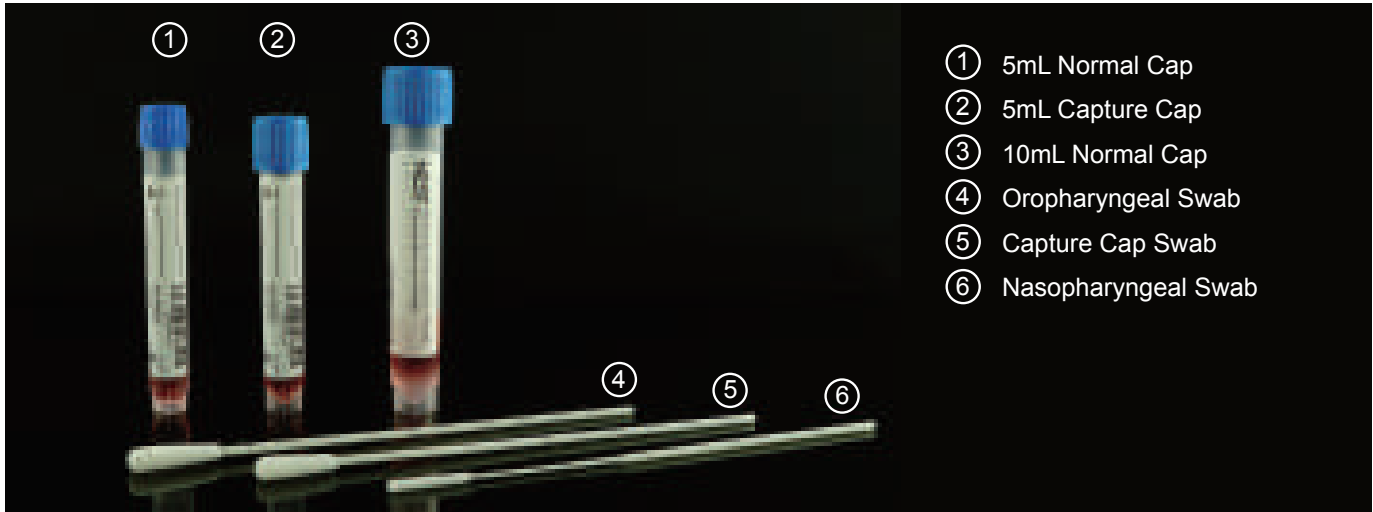
Capture Cap & Swab

- Eliminating costs associated with stocking numerous swab types.
- Just screw the cap, the swab will insert the cap automatically without human process.

Cat.No.	Description	/Pack	/Case
202451	Disposable Sampler, 5 mL Vial with 1.2 mL ATM, with Individually Wrapped and Sterile Capture Cap Swabs, 10 Vials/pk, 50 Vials + 50 Swabs/cs	10	50
202452	Disposable Sampler, 5 mL Vial with 1.2 mL ATM, with Individually Wrapped and Sterile Capture Cap Swabs, 1 Vial + 1 Swab/pk, 100 pk/cs	1	100

Cat.No.	Description	/Pack	/Case
202051	Disposable Sampler, 5 mL Vial with 1.2 mL ATM, with Individually Wrapped and Sterile Oropharyngeal Swab, 10 Vials/pk, 50 Vials + 50 Swabs/cs	10	50
202055	Disposable Sampler, 5 mL Vial with 1.2 mL ATM, with Individually Wrapped and Sterile Nasopharyngeal Swab, 10 Vials/pk, 50 Vials + 50 Swabs/cs	10	50
202052	Disposable Sampler, 5 mL Vial with 1.2 mL ATM, with Individually Wrapped and Sterile Oropharyngeal Swabs, 1 Vial + 1 Oral Swab/pk, 100 pk/cs	1	100
202054	Disposable Sampler, 5 mL Vial with 1.2 mL ATM, with Individually Wrapped and Sterile Nasopharyngeal Swabs, 1 Vial + 1 NP Swab/pk, 100 pk/cs	1	100
202081	Disposable Sampler, 10 mL Vial with 3 mL ATM, with Individually Wrapped and Sterile Oropharyngeal Swab, 10 Vials/pk, 50 Vials + 50 Swabs/cs	10	50
202085	Disposable Sampler, 10 mL Vial with 3 mL ATM, with Individually Wrapped and Sterile Nasopharyngeal Swab, 10 Vials/pk, 50 Vials + 50 Swabs/cs	10	50
202056	Disposable Sampler, 10 mL Vial with 3 mL ATM, with Individually Wrapped and Sterile Oropharyngeal Swabs, 1 Vial + 1 Oral Swab/pk, 100 pk/cs	1	100
202057	Disposable Sampler, 10 mL Vial with 3 mL ATM, with Individually Wrapped and Sterile Nasopharyngeal Swabs, 1 Vial + 1 NP Swab/pk, 100 pk/cs	1	100

Universal Transport Medium

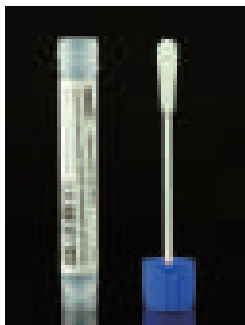


Features

- Simplify specimen collection, transport and processing;
- Used for collection, storage and transportation of viruses, bacteria, chlamydiae, mycoplasma and ureaplasma. The specimen transported in the universal transport media can be used in the laboratory to perform pathogen isolation and detection;
- Disposable use.

Transport Temperature Requirement

This product can be transported at ambient temperature. Ensure samples collected are stored between 2 degrees and 8 degrees Celsius, and transported to the laboratory within 48 hours. Please store the samples at minus 70 degrees Celsius, if they cannot be transported to the laboratory within 48 hours, please examine, inoculate, or separate the sample as soon as possible after being sent to the laboratory. Those that can be inoculated or separated within 48 hours can be stored at 4 degrees Celsius. Those that cannot be inoculated or separated within 48 hours should be stored at minus 70 degrees Celsius.



Capture Cap & Swab

- Eliminates costs associated with stocking numerous swab types.
- Just screw the cap, the swab will insert the cap automatically without human process.

Cat.No.	Description	/Pack	/Case
202421	Disposable Sampler, 5 mL Vial with 1.2 mL UTM, with Individually Wrapped and Sterile Capture Cap Swabs, 10 Vials/pk, 50 Vials + 50 Swabs/cs	10	50
202422	Disposable Sampler, 5 mL Vial with 1.2 mL UTM, with Individually Wrapped and Sterile Capture Cap Swabs, 1 Vial + 1 Swab/pk, 100 pk/cs	1	100

Cat.No.	Description	/Pack	/Case
202021	Disposable Sampler, 5 mL Vial with 1.2 mL UTM, with Individually Wrapped and Sterile Oropharyngeal Swab, 10 Vials/pk, 50 Vials + 50 Swabs/cs	10	50
202025	Disposable Sampler, 5 mL Vial with 1.2 mL UTM, with Individually Wrapped and Sterile Nasopharyngeal Swab, 10 Vials/pk, 50 Vials + 50 Swabs/cs	10	50
202022	Disposable Sampler, 5 mL Vial with 1.2 mL UTM, with Individually Wrapped and Sterile Oropharyngeal Swabs, 1 Vial + 1 Oral Swab/pk, 100 pk/cs	1	100
202024	Disposable Sampler, 5 mL Vial with 1.2 mL UTM, with Individually Wrapped and Sterile Nasopharyngeal Swabs, 1 Vial + 1 NP Swab/pk, 100 pk/cs	1	100
202028	Disposable Sampler, 10 mL Vial with 3 mL UTM, with Individually Wrapped and Sterile Oropharyngeal Swab, 10 Vials/pk, 50 Vials + 50 Swabs/cs	10	50
202029	Disposable Sampler, 10 mL Vial with 3 mL UTM, with Individually Wrapped and Sterile Nasopharyngeal Swab, 10 Vials/pk, 50 Vials + 50 Swabs/cs	10	50
202026	Disposable Sampler, 10 mL Vial with 3 mL UTM, with Individually Wrapped and Sterile Oropharyngeal Swabs, 1 Vial + 1 Oral Swab/pk, 100 pk/cs	1	100
202027	Disposable Sampler, 10 mL Vial with 3 mL UTM, with Individually Wrapped and Sterile Nasopharyngeal Swabs, 1 Vial + 1 NP Swab/pk, 100 pk/cs	1	100

Dry Saliva Collection Kit



203101



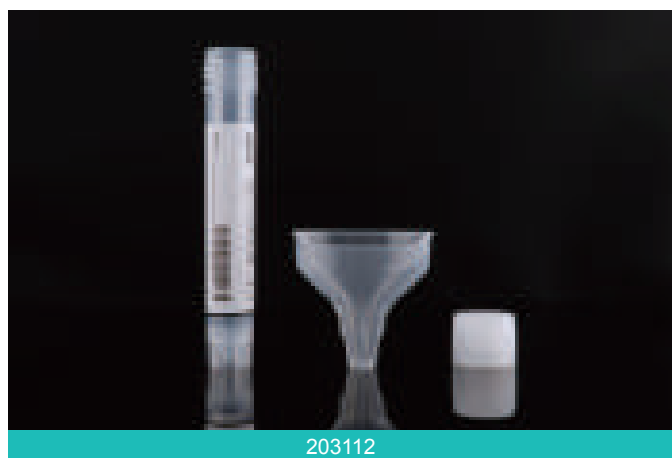
203102



203901



203111



203112

Features

- USP VI Polypropylene Tubes.
- Collection process is painless and safe.
- The humanized design of funnel conforms to the mouth shape of human, making the collection process simple and easy.
- Good sealing, effectively preventing leakage and contamination of specimens, easy to preserve and transport, safe and reliable.
- The bottom of the collecting vial is conical, which is convenient for concentrated sample processing.
- Bar codes are easy to manage digitally, and labels with writing areas are convenient for users to record information.
- RNase/DNase free, non-pyrogenic.

Cat.No.	Description	/Pack	/Case
203901	Wedged Funnels, compatible with different Tube Diameters Ranging from 9.5-20.0 mm, Individually Wrapped, 100pcs/case	1	100
203101	Dry Saliva Collection Kit, Each Kit Includes a 5 mL Vial with a Screw Funnel, a Cap and a Specimen Bag, Sterile Pack, 100 kits/case	1	100
203102	Dry Saliva Collection Kit, Each Kit Includes a 10 mL Vial with a Screw Funnel, a Cap and a Specimen Bag, Sterile Pack, 100 kits/case	1	100
203111	Dry Saliva Collection Kit, Each Kit Includes a 5 mL Vial with a Wedged Funnel, a Cap and a Specimen Bag, Sterile Pack, 100 kits/case	1	100
203112	Dry Saliva Collection Kit, Each Kit Includes a 10 mL Vial with a Wedged Funnel, a Cap and a Specimen Bag, Sterile Pack, 100 kits/case	1	100

Saliva Collection Kit



Features

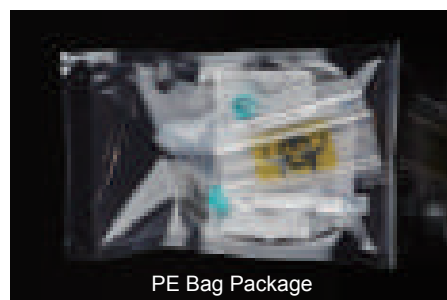
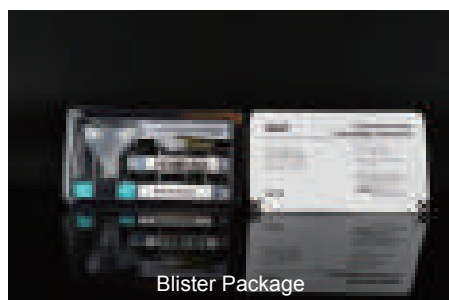
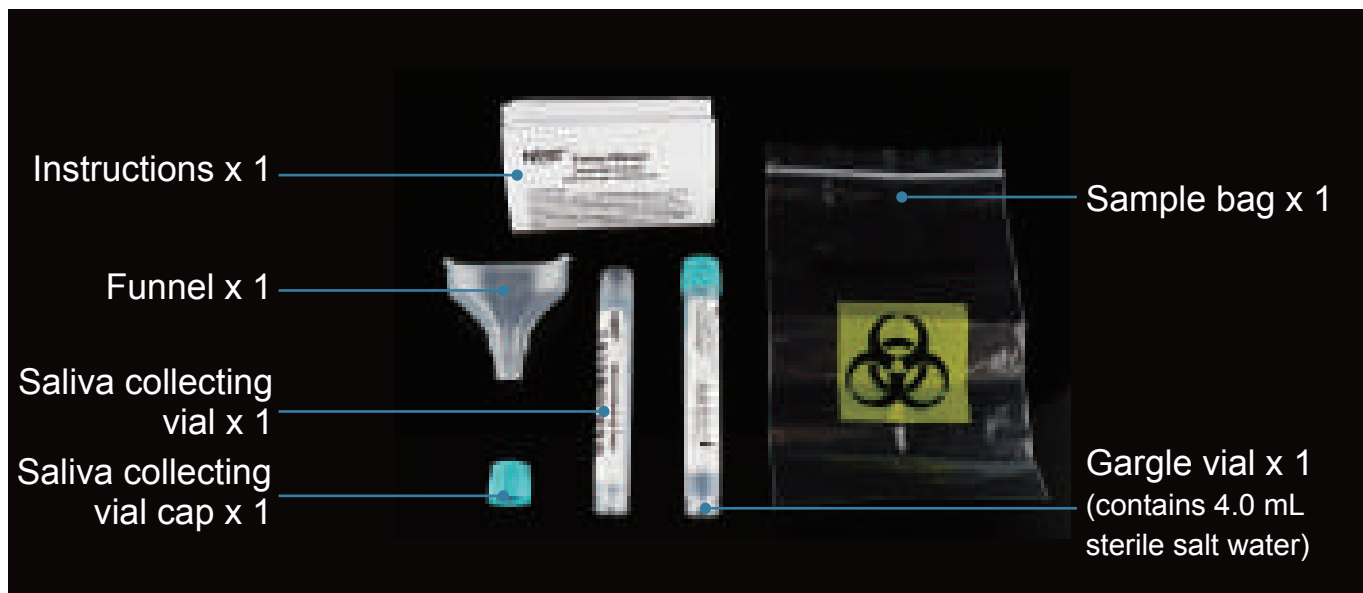
- Use at normal room temperature;
- The 5 mL preservation solution vial is filled with 2 mL ITM solution;
- Samples can be stored and transported at room temperature;
- DNA samples can be stored stably for 12 months;
- RNA samples can be stored steadily for 1 month.
- This preservation solution has good antibacterial performance and high storage efficiency and can ensure the integrity of viral nucleic acids in the sample when it is used to store inactivated viral samples.

Introduction

- The product is used to collect high-quality DNA/RNA samples in the saliva.
- The collection process is painless and won't cause any injury or discomfort to the human body.
- The collected samples can be used for various biological experiments such as enzymatic hydrolysis, PCR and next-generation sequencing and are widely used in the collection and preservation of specimens in hospitals, scientific research institutions and households.

Cat.No.	Description	/Pack	/Case
203011	Disposable Sampler, Saliva Collection Kit with ITM, Each Kit Includes a 10 mL Vial with a Funnel, a Separate 5 mL Vial Filled with 2.0 mL ITM, Sterile Pack, 100 kits/case	1	100

Saliva/gargle Collection Kit



Introduction

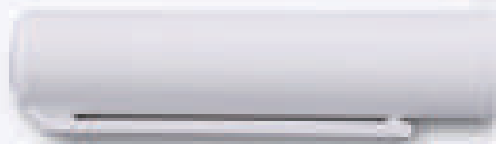
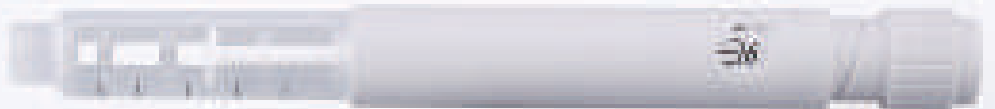
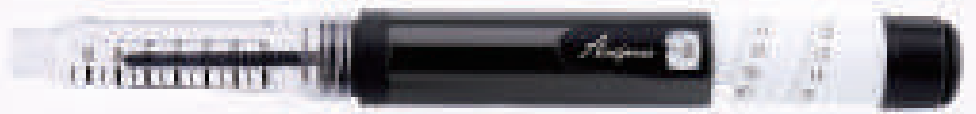
The disposable sampler saliva/gargle collection kit is intended for the collection and transport of clinical samples from the collection site to the testing laboratory. As it will not cause any discomfort to the collection object, it is easy to be accepted. Both saliva and gargling method will be presented in this IFU. Depending on your needs you can choose preferable method. This product is easy to carry and easy to operate.

Features

- Use at normal ambient temperature;
- The collection process is simple, convenient and easy to operate.
- Flexible to use, can be easily collected in the laboratory, clinic, or even at home.
- It is suitable for a wide range of object groups, especially for children and patients who do not meet the blood sample collection conditions.
- The non-invasive collection of samples will not cause any discomfort to the collection objects, reducing the chance of infection and improving safety.

Cat.No.	Description	/Pack	/Case
203051	Disposable Sampler, Saliva/Gargle Collection Kit, Each Kit Includes a Funnel, an empty 5mL vial, a 5 mL Vial Filled with 4.0 mL saline, Sterile, Paper Box Package, 100 kits/case	1	100
203061	Disposable Sampler, Saliva/Gargle Collection Kit, Each Kit Includes a Funnel, an empty 5mL vial, a 5 mL Vial Filled with 4.0 mL saline, Sterile, PE Bag Package, 100 kits/case	1	100
203071	Disposable Sampler, Saliva/Gargle Collection Kit, Each Kit Includes a Funnel, an empty 5mL vial, a 5 mL Vial Filled with 4.0 mL saline, Sterile, Blister Package, 100 kits/case	1	100

Pharmaceutical Packaging



Pen Injector

prior *Acufocus*



Product advantages

• Elite team

Prior has 5 R&D personnel, and 3 personnel have accepted postgraduate or higher education. And strong R&D design ability can meet customers' different requirements.

• Equipment guarantee

The company's production center has introduced in Germany Roeders processing center, TACHIBANA, MITSUI's grinding machine, Mitsubishi's wire-electrode cutting devices and many other precise production devices. The company has invested 150 million to establish 100,000 class purification workshop, sterile laboratory and automatic production line.

• Mold injection

Based on Vanguard Technology in the precision injection mold and die casting mold design and manufacture many years of experience. And can develop all kinds of high precision、complex structure mold, product needed parts, strong production capacity.

• Support for targeted development of OEM&ODM

"order place-design-mould development-product parts production-finished product assembly-function validation-product delivery", the whole process can be completed with high quality and efficiency within the company.

Features

Enlarged view window

Adjust window to enlarge, scale reading more clearly;

Convenient to carry

Small and delicate package, easy to carry;

Two-way adjustment

Dose setting device can be two-way adjustment, dose the preset excessive callback;

Precision injection

High precision injection screw, stable injection process, low precision error, injection increment 1 IU, adjustable dose 1 IU - 60 IU;

Good feeling of compressing

The transmission mechanism is completely made of special materials with self-lubrication, and the injection process is smoother with the pressure of about 30N;

Long service life

Products after use for a long time, still keep high precision;

Easy to use

No need for professional guidance, the first use can be easily mastered;

High compatibility

Can be compatible with many needles and ink on the market, the replacement is convenient;

Wide application fields

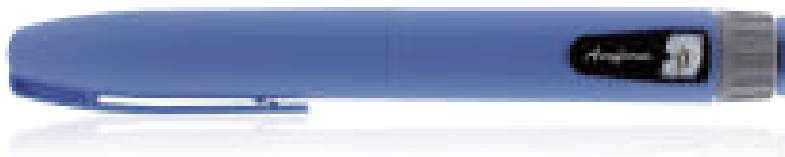
Growth hormone, insulin, antibiotics, interferon, beauty products, biochemical emergency prevention, hemostatic pain, First aid for heart disease, detoxification, antipyretic analgesic, Anesthetic sedative class, etc;

Company brands—Acufocus

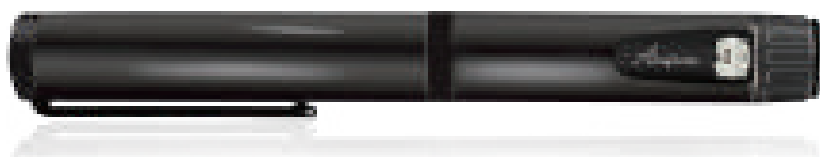
Relying on our powerful R&D team, precise devices and complete management system, Prior can ensure that the whole process of “order place-design-mould development-product parts production-finished product assembly-function validation-product delivery” is effectively completed within the company with high quality. Acufocus’ pen-type injector is a product developed by Wuxi Prior Medical Science & Technology Co., Ltd. During the injector production process, our main focuses are put on the characters of accurate, convenient and unique. Therefore, we have established the brand of Acufocus by combing the initial letter of these words together.

As the common device, our injection pen can still maintain high precision after long time application which shows the high quality. In Chinese words “Acufocus” has the same pronunciation with the words of accurate, which shows our product is accurate even after long time application.

In addition, our company is making continuous efforts to provide a more precise and safer injector and to establish “Acufocus” as a leading brand in international market.



Product model	PIVR-01
Product Cat. No.	1010201002
Product name	0-60 Plastic pen body Reusable pen injector
Product specification	163 mm
Scope of injection	0-60 unit (0.6 mL)
Minimum single dose	1 unit (0.01 mL)
Scope of application	It is applicable to various disposable injection needles: such as BD, JERRY injection needles and so on. The injection needles shall meet ISO 11608-2 standard. It can be used to inject the medicine packed in standard 3ml cartridge bottle: The core of the injection pen used to inject cartridge bottle medicine shall meet ISO 11608-3 standard.

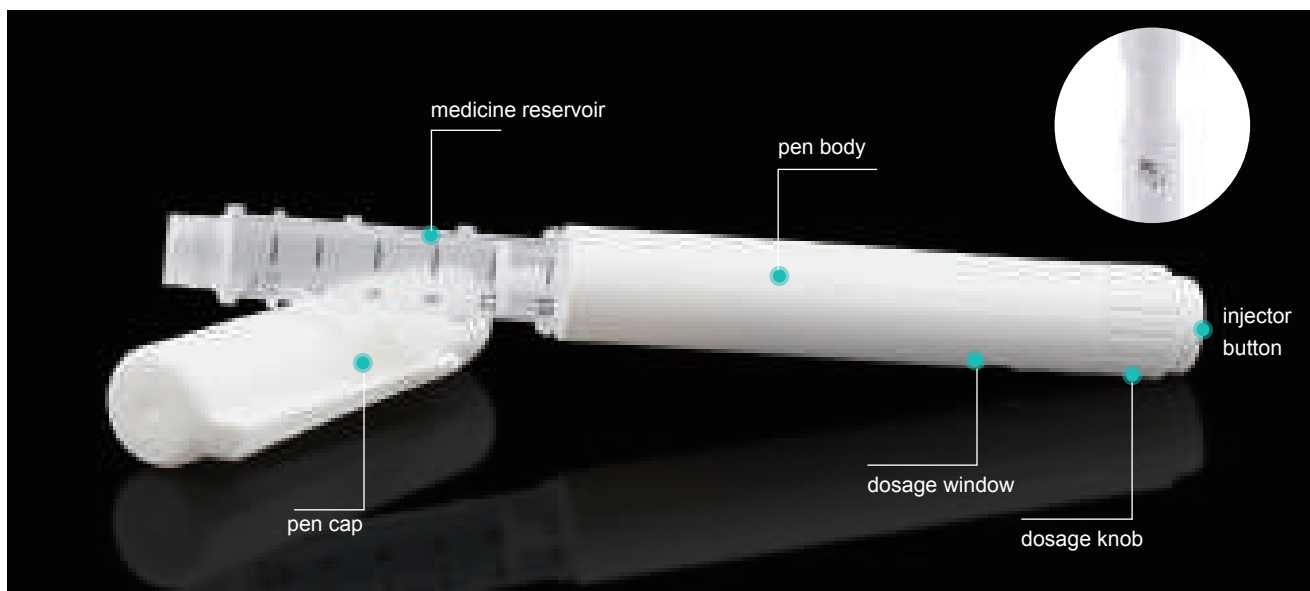


Product model	PIVR-02
Product Cat. No.	1010201101
Product name	0-60 Aluminum alloy pen body Reusable pen injector
Product specification	163 mm
Scope of injection	0-60 unit (0.6 mL)
Minimum single dose	1 unit (0.01 mL)
Scope of application	It is applicable to various disposable injection needles: such as BD, JERRY injection needles and so on. The injection needles shall meet ISO 11608-2 standard. It can be used to inject the medicine packed in standard 3ml cartridge bottle: The core of the injection pen used to inject cartridge bottle medicine shall meet ISO 11608-3 standard.

Disposable Pen Syringe

Structure

This product consists of a pen cap, a medicine reservoir, a pen body, a dosage window, a dosage knob and an injection button.



Product Cat. No.	206501
Product name	Disposable pen syringe
Scope of injection	0-60 unit (3 mL)
Minimum single dose	1 unit (0.0125 mL)

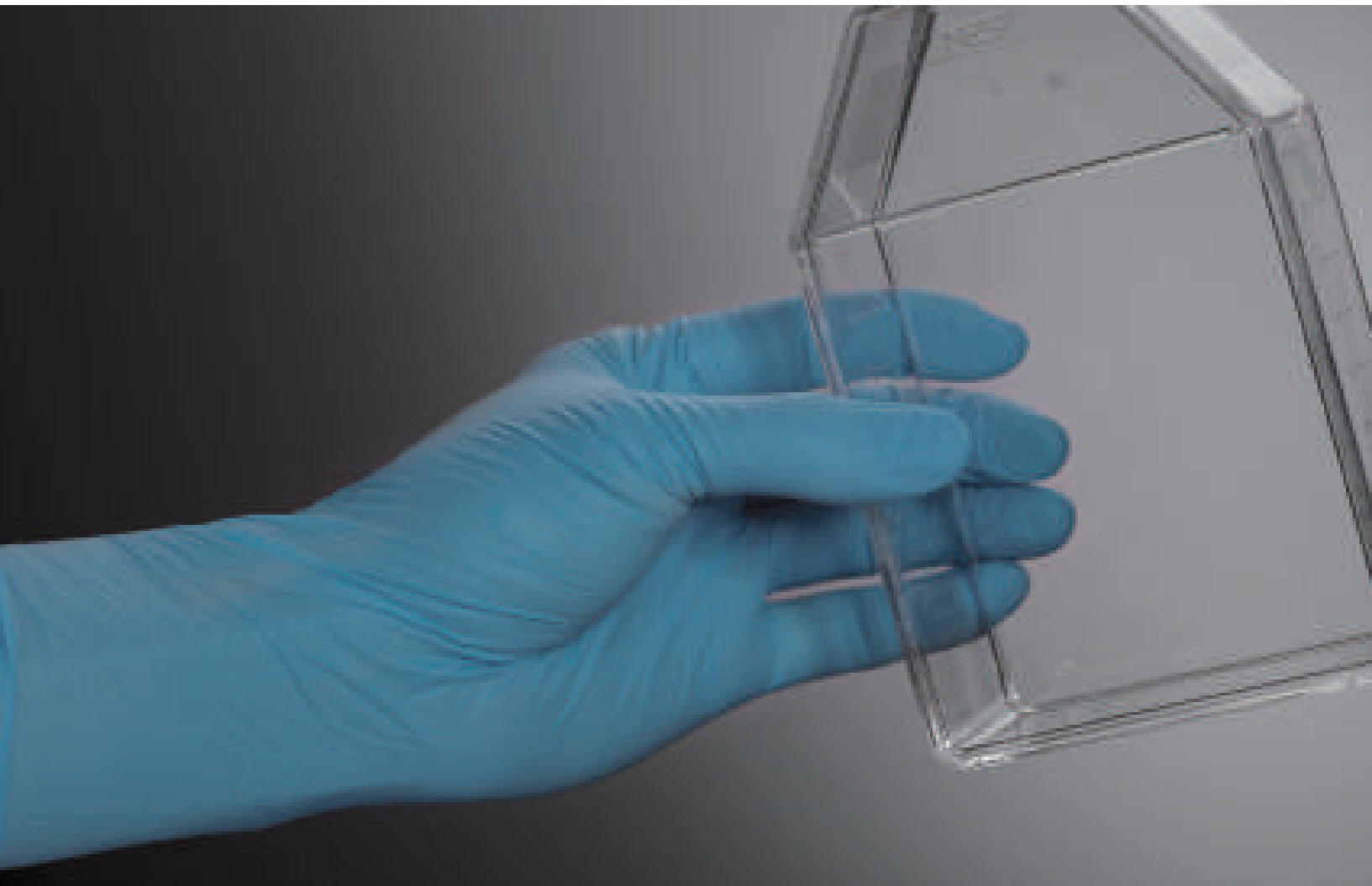
Product Cat. No.	206502
Product name	Disposable pen syringe
Scope of injection	0-30 unit (1.5 mL)
Minimum single dose	1 unit (0.0125 mL)



Product Cat. No.	206503
Product name	Disposable pen syringe
Scope of injection	0-60 unit (3 mL)
Minimum single dose	1 unit (0.01 mL)

Product Cat. No.	206504
Product name	Disposable pen syringe
Scope of injection	8 unit
Minimum single dose	0.08 mL/time, quantitative injection

Lab Safety



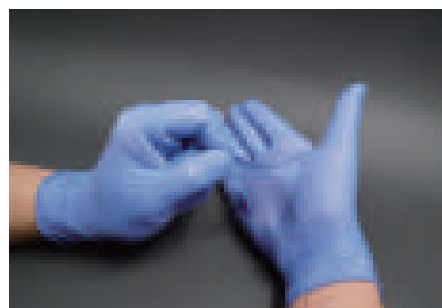
Nitrile Examination Glove



Nitrile Powder Free Examination Gloves



Colloidal Oatmeal Coated Nitrile Gloves



Features

- Single use only, powder free
- Made in Malaysia
- Non-Sterile
- Tensile Strength: Minimum 18.0 MPa (Before Aging)
- Palm thickness: 0.07 mm

Nitrile Powder Free Examination Glove

Cat.No.	Size	Palm Width (mm) ±4 mm	Length (mm)	/Pack	/Case
902001	XS	76	Min 230mm (ASTM)	100	1,000
902011	S	86		100	1,000
902021	M	98		100	1,000
902031	L	107		100	1,000
902041	XL	115		90	900

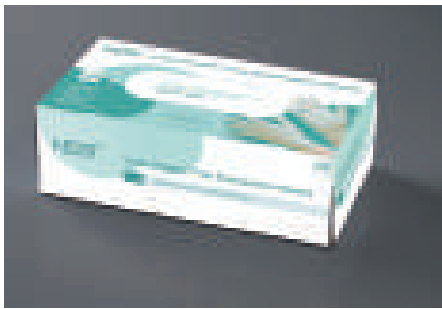
Colloidal Oatmeal Coated Nitrile Glove

Oats Extractions

Oats extractions is a patented coating recognized by the FDA as a skin protectant. Clinical studies have shown that colloidal oatmeal could reduce and control rash, dry skin.

Cat.No.	Size	Palm Width (mm) ±4 mm	Length (mm)	/Pack	/Case
903011	S	84	Min 230mm (ASTM)	100	1,000
903021	M	94		100	1,000
903031	L	105		100	1,000

Latex Examination Glove



Features

- Single use only, powder free
- Made in Malaysia
- Non-Sterile
- Tensile Strength: Minimum 18.0 MPa (Before Aging)
- Palm thickness: 0.11 mm

Latex Powder Free Examination Glove

Cat.No.	Size	Palm Width (mm) ±4 mm	Length (mm)	/Pack	/Case
901001	XS	76	Min 230mm (ASTM)	100	1,000
901011	S	86		100	1,000
901021	M	98		100	1,000
901031	L	107		100	1,000

Colloidal Oatmeal Coated Latex Glove

Oats Extractions

Oats extractions is a patented coating recognized by the FDA as a skin protectan. Clinical studies have shown that colloidal oatmeal could reduce and control rash, dry skin.

Cat.No.	Size	Palm Width (mm) ±4 mm	Length (mm)	/Pack	/Case
904011	S	84	Min 230mm (ASTM)	100	1,000
904021	M	94		100	1,000
904031	L	105		100	1,000

Nonwoven Mask

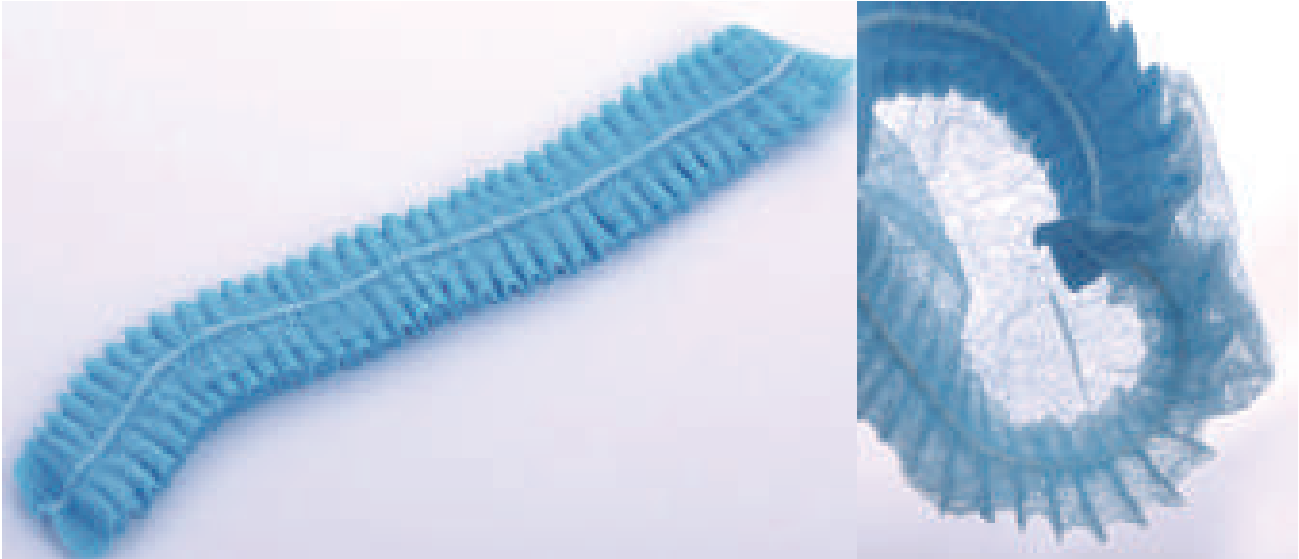


Features

- Can filter some toxic and harmful substances, odor gases, dust, etc. in the air
- Bendable nose clip to ensure a better fit between the mask and the face
- Foldable, easy to store, light weight, easy to carry
- The four-layer activated carbon protection mask is made of activated carbon fiber with high adsorption properties, which is more effective in filtering than the non-woven protection mask without activated carbon fiber.

Cat.No.	Name	Size (±0.5cm)	Color	/Pack	/Case
922001	Three-layer PP Non-woven Lab Protection Mask	17.5 x 9	Blue	50	500
922101	Four-layer PP Activated Carbon Non-woven Lab Protection Mask	17.8 x 9.3	Dark Gray	50	500

Mushroom Cap & Non-woven Shoe Cover



Features

- Breathable, dustproof, able to block dust and microorganisms.
- Not feeling tight for long-time wearing, no allergic reaction.

Cat. No.	Name	/Pack	/Case
921001	Blue Mushroom Cap	100	1,000



Features

- Breathable, non-slip, with rubber bands, comfortable to wear.

Cat. No.	Size(cm)	/Pack	/Case
923001	42 * 17	100	1,000

Lab Instruments

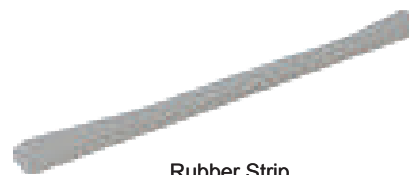


7° Digital Nutating Mixer

Features

- The adjustable and gentle motion is ideal for many staining applications;
- Includes a large platform and non-slip mat;
- Low voltage power supply provides safe cold room operation and low energy consumption;
- Continuous or timed operation with automatic switch-off;
- Continue to run by last set speed and the remaining time when the power recovers;
- Audible and visual alarm: In timed mode, alarm will sound 5 times and then the time window shows "End" and flicker 5 times when the time reaches zero.

Cat. No.	105005
Speed	2~80rpm
Speed Accuracy	1rpm
Tilt Angle	7°
Timer	0~99h59min
Platform Dimensions	307x297mm
Max. Load	0.8kg
Display	LED
Included Accessory Standard in Packaging	6 Rubber Strips
Ambient Temperature	5~40 C
Relative Humidity	≤80%
Power Supply	AC100~240V, 50 / 60Hz
Max. Power	6.5W
Dimensions	440(L)x296(W)x189(H)mm
Net Weight	7.3kg
Protection Level	IP21



Rubber Strip

Mini Vortex Mixer

Features

- Extremely compact and easy operate;
- Powerful vortex for tubes up to 30mm;
- Head is made of durable material to ensure long life;
- Refined steel base is designed to ensure product stability.

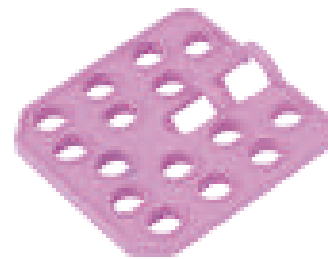
Cat. No.	105003
Oscillation Mode	Circumference Oscillation
Orbital Diameter	Φ4.5mm
Max. Capacity	80mL
Max. Tube Diameter	Φ30mm
Speed	3000rpm
IP rating (DIN EN 60529)	IP40
Ambient Temp.	5~40 C
Outside Dimensions	Φ96xH85mm
Power	5W
Power Supply	AC100~240V,50/60Hz
Weight	0.55kg



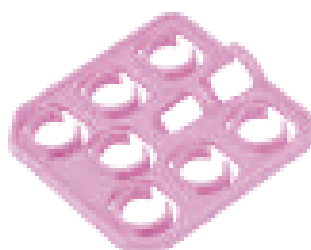
Variable Speed Tube Revolver with Digital Display



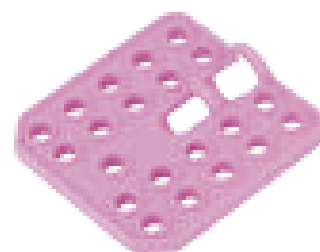
Rotisserie Paddles
For 10mL / 15mL Tubes



Rotisserie Paddles
For 1.5mL / 2mL Tubes



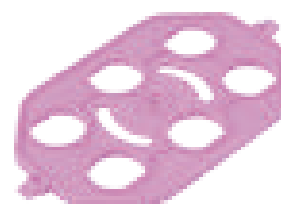
Rotisserie Paddles
For 5mL / 7mL Tubes



Rotisserie Paddles
For 0.5mL / 0.8mL Tubes

Features

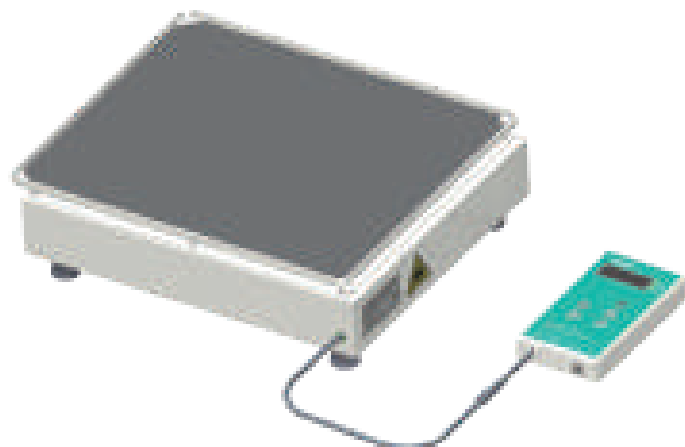
- Small footprint, "Plug and Play" operation;
- Includes five different interchangeable rotisseries;
- Rotation direction can be changed by slightly touching the rotisseries;
- Paddle angle is adjustable for different mixing purposes;
- High quality, maintenance-free motor with quiet operation.



Rotisserie Paddles
For 50mL Tubes

Cat. No.	105004
Rotation Speed	10~40rpm
Capacity	84x0.5mL tubes, 60x1.5mL / 2.0mL tubes, 28x5mL / 7mL tubes, 24x10mL tubes, 6x50mL tubes
Holder for Tubes Standard Configuration	Rotisserie Paddles for 10mL / 15mL Tubes 2pcs Rotisserie Paddles for 5mL / 7mL Tubes 2pcs Rotisserie Paddles for 1.5mL / 2mL Tubes 2pcs Rotisserie Paddles for 0.5mL / 0.8mL Tubes 2pcs Rotisserie Paddles for 50mL Tubes 1pcs
Ambient	4~60 C
Outside Dimensions	260(W)x148(D)x195mm(H)
Power	10W
Power Supply	AC100V~240V 50Hz/60Hz
Weight	1kg

CO₂ Orbital Shaker



Features

- Orbital shaking through magnetic power eliminates the need to replace belts;
- Small footprint ideal for use in a CO₂ incubator;
- Specially treated mechanical components protect up to 20% CO₂ and 95% humidity conditions;
- Convenient external control box with LED display allows for easy adjustments without opening the chamber door;
- Minimal heat dissipation assures conditions within the CO₂ chamber are not effected;
- CO₂ resistant shaker can be used outside of CO₂ incubator for maximum value.

Cat. No.	105008 (No Accessories) / 105009 (Contains Accessories)
Speed Range	30rpm~300rpm
Timer	0~99h59min (0,continuous)
Orbit Diameter	Φ19mm
Platform Dimensions	355mmx300mm
Max.Capacity	50mL x30 / 100mL x15 / 150mL x15 / 200mL x15 / 250mL x15 500mL x9 / 1000mL x6 / 2000mL x4 / 3000mL x2 / 5000mL x1
Display	LED
Max.Load	6kg
Ambient	Temp.: 5 ~ 60 Humidity: <99%RH
Outside Dimensions(WxDxH)	Machine Body: 360 x 300 x 96mm Control Box: 360 x 105 x 75mm The Unit: 360 x 405 x 96mm
Power	30W
Power Supply	AC100~240V, 50Hz/60Hz
Weight	Machine Body :17.5kg Control box: 1kg
Accessories List ▲	100mL Flask Clamp * 2 250mL Flask Clamp * 4 500mL Flask Clamp * 4 1000mL Flask Clamp * 2 2000mL Flask Clamp * 2 Aluminum Platform * 1 Tips: Only Cat.No. 105009 contains these accessories.



Flask clamp feature

Made of polished stainless steel sheets. They can be fixed on any platform of all models of incubator shakers.

Cat.No.	Name
105901 ▲	100mL Flask Clamp * 2
	250mL Flask Clamp * 4
	500mL Flask Clamp * 4
	1000mL Flask Clamp * 2
	2000mL Flask Clamp * 2
	Aluminum Platform * 1
105902 ▲	100mL Flask Clamp
105903 ▲	250mL Flask Clamp
105904 ▲	500mL Flask Clamp
105905 ▲	1000mL Flask Clamp
105906 ▲	2000mL Flask Clamp
105907 ▲	Aluminum Platform 300mm*360mm

▲ Make To Order

Standard Mini Roller



Standard Mini Roller (6 Rollers)



Standard Mini Roller (11 Rollers)

- Variable speed to accommodate numerous applications;
- Anti-corrosive and wear-resistant construction for use in humid and CO₂ environments.
- Remote control box makes it easy to operate the unit while it is in an incubator.

Product Name	Standard Mini Roller (11 Rollers)	Standard Mini Roller (6 Rollers)
Cat. No.	105007	105006
Included Accessory Standard In Packaging	Rollers: 11 O Ring (23.5x3.6mm): 20 O Ring (13.2x2.7mm): 20	Rollers: 6 O Ring (23.5x3.6mm): 20 O Ring (13.2x2.7mm): 20
Roller Speed	0.5~80rpm	0.5~80rpm
Operating Mode	Way Forward	Way forward
Roller Dimensions(DXL)	Φ28mmx259mm	φ28mmx259mm
Available Tubes or Bottles	Max. Ø120mm Bottles; Tubes	Max. Ø120mm bottles; tubes
Positions	Centrifuge Tubes Can Be Placed Randomly Or Three 1500ml Standard Bottles	Centrifuge tubes can be placed randomly or three 1500ml standard bottles
Max. Load	6.5kg	6.5kg
Ambient	5℃~60℃	5℃~60℃
Relative Humidity	≤95%	≤95%
Display	Led	LED
Timer (Control Box)	999min Or Continuous	/
Outside Dimensions(WxDxH)	378mmx360mmx72mm	378mmx360mmx72mm
Power	10w	10W
Power Supply	Ac100~240v,50/60hz	AC100~240V,50/60Hz
Weight	6.5kg	6.5kg

CHEMICAL RESISTANCE CHART

	ABS	Acetal	HDPE	LDPE	PC	PP	Santo-prene	Sili-cone	Reagent	ABS	Acetal	HDPE	LDPE	PC	PP	Santo-prene	Sili-cone
Acetaldehyde	D	A	C	C	C ¹	A ¹	-	A	Benzene	D	A ¹	D	D	D	D	D	D
Acetamide	-	A	A	A	D	A ¹	-	B	Benzene Sulfonic Acid	-	-	A	A ¹	D	D	-	D
Acetate Solvent	-	-	A	A	-	B ¹	-	C	Benzoic Acid	-	B	A	A ¹	B ¹	-	-	B
Acetic Acid	D	D	A	A ²	B ¹	A	A	C	Benzol	D	A	-	C ¹	D	D	D	D
Acetic Acid 20%	C	C	A	A	A ¹	A	A	B	Benzonitrile	-	-	-	-	A ¹	-	-	A ¹
Acetic Acid 80%	D	D	A	D	B ¹	A	C	B	Benzyl Chloride	D	A	-	-	-	C ¹	-	D
Acetic Acid, Glacial	D	A	D	B ¹	A ¹	D	B	-	Bleach	B	D	-	-	-	D	-	-
Acetic Acid, Vapors	-	-	-	-	-	-	-	A	Bleaching Liquors	-	-	-	A ¹	-	-	-	B
Acetic Anhydride	C ¹	D	C	D	D	B ¹	D	C	Borax (Sodium Borate)	-	B	A	A ²	A	B	-	B
Acetone, 50% water	D	-	-	-	-	A	-	A ²	Boric Acid	-	A	A	A ²	-	A	A	A
Acetone	D	A	D	B ¹	D	A	A	D	Brewery Slop	-	B	-	-	-	-	-	-
Acetonitrile	D	-	A	B ¹	D	A ¹	D	D	Bromine	D	D	D	D	C ¹	D	-	D
Acetophenone	-	-	C	D	D	C	-	-	Bromoform	-	-	D	D	D	D	-	-
Acetyl Bromide	-	-	-	D	D	-	-	-	Butadiene	-	A	D	D	D	C	-	D
Acetyl Chloride (dry)	D	D	-	D	D	D	A	C	Butane	B	A	-	C ¹	D	A ¹	-	D
Acetylene	-	A	-	D	D	A ¹	-	B	Butanol (Butyl Alcohol)	-	A	-	B ²	B ¹	A ¹	B	B
Acrylonitrile	D	-	A	A	D	A ¹	D	D	Butter	B	A	-	-	-	-	-	B
Adipic Acid	-	-	A	A	-	B ²	-	-	Buttermilk	B	A	-	A ¹	A ¹	A ¹	-	A
Alanine	-	-	A	A	A	A	-	-	Butyl Amine	-	C ¹	-	C ¹	D	B ¹	-	B ¹
- Benzyl	A ¹	A	A	B ²	B ¹	B ¹	A	D	Butyl Ether	-	D	-	-	D	D	-	D
- Butyl	A ¹	A	-	A	A ²	A	D	B	Butyl Phthalate	-	-	A	A	C ¹	B ²	-	A ¹
- Diacetone	-	A	A	B ¹	-	B ²	A	D	Butyl acetate	-	-	A	B	C ¹	B ¹	-	D
- Ethyl	B ¹	A ¹	A	A	B ²	-	-	B	Butylene	-	-	A	-	B ¹	D	-	D
- Hexyl	-	A	-	A	-	-	-	B	Butyric Acid	D	A	D	D	D	A	-	D
- Isobutyl	B	A	A	A ²	-	A ¹	-	A	Calcium Bisulfate	-	-	-	-	-	B ¹	-	C
- Isopropyl	-	A	A	A ²	A ²	A ²	-	A	Calcium Bisulfide	-	D	-	B ¹	-	A	-	C
- Methyl	D	A	A	A ¹	B ¹	A ²	A	A	Calcium Bisulfite	-	D	A	A ¹	D	A	-	A
- Octyl	A ¹	A	-	-	-	-	-	A	Calcium Bromide 38%	-	-	-	-	-	-	-	-
- Propyl	B ¹	A	-	A ²	-	A	A	A	Calcium Carbonate	-	A	-	B ¹	C ²	A	-	A
Allyl Chloride	D	-	A	-	-	A	A	A	Calcium Chlorate	-	-	-	-	-	-	-	-
Aluminium Acetate (saturated)	-	-	-	-	-	A	-	D	Calcium Chloride (30% in water)	B	D	A	B ²	-	A ²	-	A
Aluminium Chloride	A	-	A	B ²	A ¹	A	-	B	Calcium Chloride (saturated)	A	D	A	-	-	A	-	A
Aluminium Chloride 20%	-	C	A	B ²	A ¹	A	-	B	Calcium Fluoride	-	-	-	-	-	-	-	-
Aluminium Fluoride	A	C	A	A ²	A ²	A	-	B	Calcium Hydroxide 10%	-	A	A	-	-	A	-	A
Aluminium Hydroxide	B	A	A	A ²	B ¹	A	-	-	Calcium Hydroxide (saturated)	A	-	A	-	-	A	-	A
Aluminium Nitrate	-	B ¹	-	A ²	A ¹	A ²	-	-	Calcium Hydroxide	-	D	A	A ²	D	A ²	-	A
Aluminium Phosphate	-	-	-	-	-	-	-	A	Calcium Hypochlorite 30%	-	-	A	-	-	A	-	-
Aluminium Potassium Sulfate 10%	-	C	A	A ²	A ¹	A	-	A	Calcium Hypochlorite (saturated)	A	-	A	-	-	A	-	-
Aluminium Potassium Sulfate 100%	-	C	A	A ²	A ²	A	-	A	Calcium Hypochlorite	-	D	A	A ¹	D	A ¹	-	B
Aluminium Sulfate	A ²	B ¹	A	A ²	A	A	A	A	Calcium Nitrate	A	D	B	A ¹	A ²	A ²	-	B ¹
Alums	-	-	-	A	-	A	-	A ¹	Calcium Oxide	D	A	-	B ¹	A	A	-	-
Amines	-	D	B	C ¹	D	B ²	-	B	Calcium Sulfate	C	D	-	B ¹	A ²	A	-	-
Ammonia 10%	-	D	A	C ¹	D	A ²	-	-	Calcium Sulfide	-	-	-	-	-	A	-	-
Ammonia Nitrate	-	C	-	A	-	A	-	-	Calgon	-	A	-	-	-	A	-	A
Ammonia, anhydrous	D	D	A	B ²	D	A	-	C	Cane Juice	-	A	-	-	-	C ¹	-	A
Ammonia, liquid	-	D	A	C ¹	D	A ²	-	-	Carbolic Acid (Phenol)	D	D	-	D	D	D	-	D
Ammonium Acetate	-	-	A	A	-	A	-	-	Carbon Bisulfide	-	A	-	-	-	-	-	-
Ammonium Bifluoride	A ²	D	-	A ²	-	A	-	-	Carbon Dioxide (dry)	B	A	-	-	-	A ²	-	B
Ammonium Carbonate	A ²	D	B	B ²	-	A	-	C	Carbon Dioxide (wet)	B	A	-	A ¹	-	A ²	-	B
Ammonium Caseinate	-	D	-	-	-	-	-	-	Carbon Disulfide	-	-	D	D	D	D	-	D
Ammonium Chloride	A ²	B	A	A ²	A ²	A	-	C	Carbon Monoxide	-	A	-	A ²	D	A	-	A ²
Ammonium Fluoride 25%	D	-	A	A	-	A ⁴	-	-	Carbon Tetrachloride	D	B ¹	C	D	D	D	-	D
Ammonium Hydroxide	B	C	A	A ¹	D	A	-	A	Carbon Tetrachloride (dry)	D	-	C	D	-	D	-	D
Ammonium Glycolate	-	-	A	A	B	A	-	-	Carbon Tetrachloride (wet)	D	A ¹	C	-	-	D	-	D
Ammonium Nitrate	-	A ²	A	A ¹	-	A	-	-	Carbonated Water	-	A	-	A	-	B	-	-
Ammonium Oxalate	-	B	A	-	A ¹	A	-	-	Carbonic Acid	-	B ¹	B	R ²	A ¹	A	-	A
Ammonium Persulfate	A ²	D	A	A ²	-	A	-	D	Catsup	B	B	-	-	-	A	-	-
Ammonium Phosphate, Dibasic	A ²	B ²	-	A ²	A	A	-	A	Cellulose Acetate	-	-	-	-	-	A	-	-
Ammonium Phosphate, Monobasic	-	B	-	A	-	A	-	A	Chloral Hydrate	A	-	D	-	-	D	-	-
Ammonium Phosphate, Tribasic	-	B	-	C	-	A	-	A	Chloric Acid	-	D	-	-	-	-	-	-
Ammonium Sulfate	A ²	B ¹	A	A ¹	A ²	A	-	A	Chlorinated Glue	-	D	-	-	-	-	-	-
Ammonium Sulfite	-	D	B	B ²	-	A	-	-	Chlorine Water	-	D	C	B ¹	D	D	-	D
Ammonium Thiosulfate	-	B	-	A	-	-	-	-	Chlorine Anhydrous Liquid	-	A ¹	C	-	C	D	-	D
Amyl Acetate	D	B ¹	-	C ¹	D	B ¹	D	D	Chlorine (dry)	-	D	B	D	D	D	-	D
Amyl Alcohol	A ¹	A	A	B ²	B ¹	B ¹	A	D	Chloroacetic Acid	-	D	A	D	D	D	-	D
Amyl Chloride	D	A	B	D	-	D	-	D	Chlorobenzene (Mono)	D	D	D	C ¹	D	C ¹	-	D
Aniline	D	A ¹	B	C	D	A ¹	D	B	Chlorobromomethane	-	-	-	A	-	A	-	D
Aniline Chlorohydrate	-	-	-	-	-	-	-	-	Chloroform	D	A	D	C ¹	D	C ¹	-	D
Aniline Hydrochloride	D	-	-	D	D	-	-	D	Chlorosulfonic Acid	-	D	D	D	C ¹	A	-	D
Antifreeze	B	D	-	-	-	D	-	C	Chocolate Syrup	-	A	-	-	-	A	-	-
Antimony Trichloride	A ²	-	B	B ²	A ²	A	A	-	Chromic Acid 5%	B	D	A	A	B	D	-	C
Aqua Regia (80% HCl, 20% HNO ₃)	D	D	D	R ¹	D	B ¹	D	D	Chromic Acid 10%	B	D	A	A	B	D	-	C
Arochlor 1248	-	-	-	C ¹	-	D	-	B	Chromic Acid 30%	B	D	A	A	C	D	-	C
Aromatic Hydrocarbons	-	A	-	C	-	D	-	D	Chromic Acid 50%	D	D	A	A	D	D	-	C
Arsenic Acid	A ²	D	B	B ²	A ¹	A	B	A	Chromium Salts	-	-	-	B	-	-	-	-
Arsenic Salts	-	-	-	B	-	-	-	-	Cider	-	A	-	B	A	A	-	B ¹
Asphalt	-	B ²	-	A ¹	D	B ¹	-	D	Citric Acid	D	B ¹	A	B	A ¹	A	-	A
Barium Carbonate	A ²	A	-	B ²	A ²	A	-	-	Citric Oils	-	B	B	-	-	A	-	-
Barium Chloride	A ²	A	B	A ¹	A	A	-	A	Coffee	-	A	-	-	-	A	-	A
Barium Cyanide	-	D	-	B	-	D	-	-	Copper Chloride	A	A	-	-	-	A	-	A ¹
Barium Hydroxide	A ²	D	-	B ²	D	B	-	A	Copper Cyanide	-	A	-	B ²	D	A	-	-
Barium Nitrate	-	B ²	-	B ²	D	A	-	B	Copper Fluoborate	-	B	-	-	-	-	-	-
Barium Sulfate	A ²	B ³	B	B ²	D	B ¹	-	A	Copper Nitrate	-	A	-	B ²	D	A	-	-
Barium Sulfide	A ²	A	A	B ²	-	B	-	A	Copper Sulfate 5%	-	D	A	A ²	A ¹	A	-	A
Beer	A ²	A ¹	A	A ²	A ²	A ¹	-	A	Copper Sulfate >5%	-	D	A	A ²	A ¹	A	-	A
Beet Sugar Liquids	B	B	-	A ¹	-	A ¹	-	A	Cream	-	A	-	-	-	-	-	-
Benzaldehyde	B	A	B	A ¹	D	D	-	D	Creosote	A	D	A	-	-	-	-	D
Benzenamine	-	-	B	A	D	A	-	-	Cresols	D	D	D	C ¹	D	D	-	D

A- No effect
B- Minor effect
C- Moderate effect

D- Severe effect;
not recommended
- No data available

Explanation of
footnotes:

- 1- Satisfactory to 72 °F (22 °C)
- 2- Satisfactory to 120 °F (48 °C)
- 3- Satisfactory to 90 °F (32 °C)
- 4- Satisfactory to 200 °F (93 °C)



ISO 9001



ISO 11137



ISO 13485



CE

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