

A microscopic view of various cells, including large, textured cells and smaller, more spherical ones, set against a blue background. A semi-transparent light blue oval is positioned on the left side of the image, containing the title text.

# 2022 NEST USA PRODUCT CATALOGUE

**Your Best Choice for Laboratory and Medical Consumables**

**NEST<sup>®</sup>**

[www.nestscientificusa.com](http://www.nestscientificusa.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, which 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 the quality management system of ISO 9001.

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

2016, NEST passed the standard of the 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 standards.

## NEST Scientific Inc. (USA)

With the development of the business, we have established deep cooperation and built strong relationships with overseas 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, the 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. In 2022, NEST is opening a new 48,000ft warehouse located in Phoenix, AZ. This new warehouse allows for more space to receive in and stock items as well as lower shipping costs for distributors on the west coast.

## 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, 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 a 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, BioBank, 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 advanced 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.**

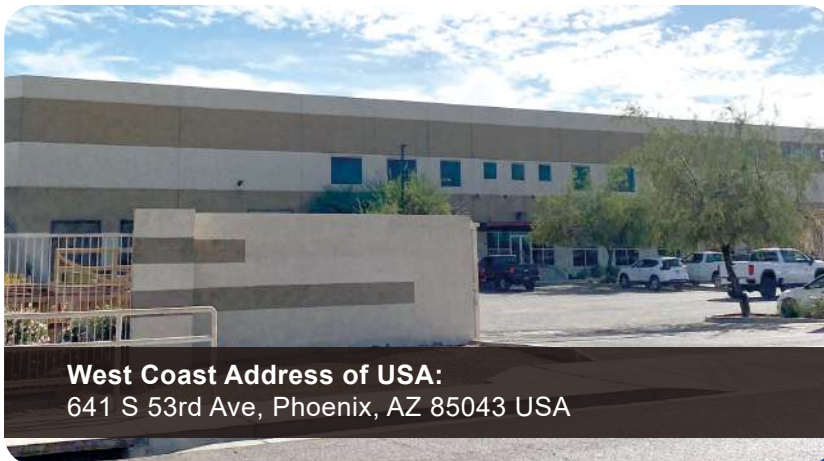
Our R&D team, with over 30 years of experience, works with high-quality mold-making equipment imported from Germany and professional mold analysis software that allows NEST to develop more precise molds.

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

16,146 ft<sup>2</sup> Class 10,000 cleanroom and 48,438 ft<sup>2</sup> Class 100,000 cleanroom, all-electric high-speed injection molding machines imported from Japan, the raw material which meets USP Class VI requirements. Production and quality control are performed strictly in accordance with the corresponding SOP.

- **Sterilization by electronic beam irradiation.**

The Rhodotron TT200 electron accelerator was imported from the IBA company, a world leader in the E-Beam sterilization industry in Belgium. The 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.



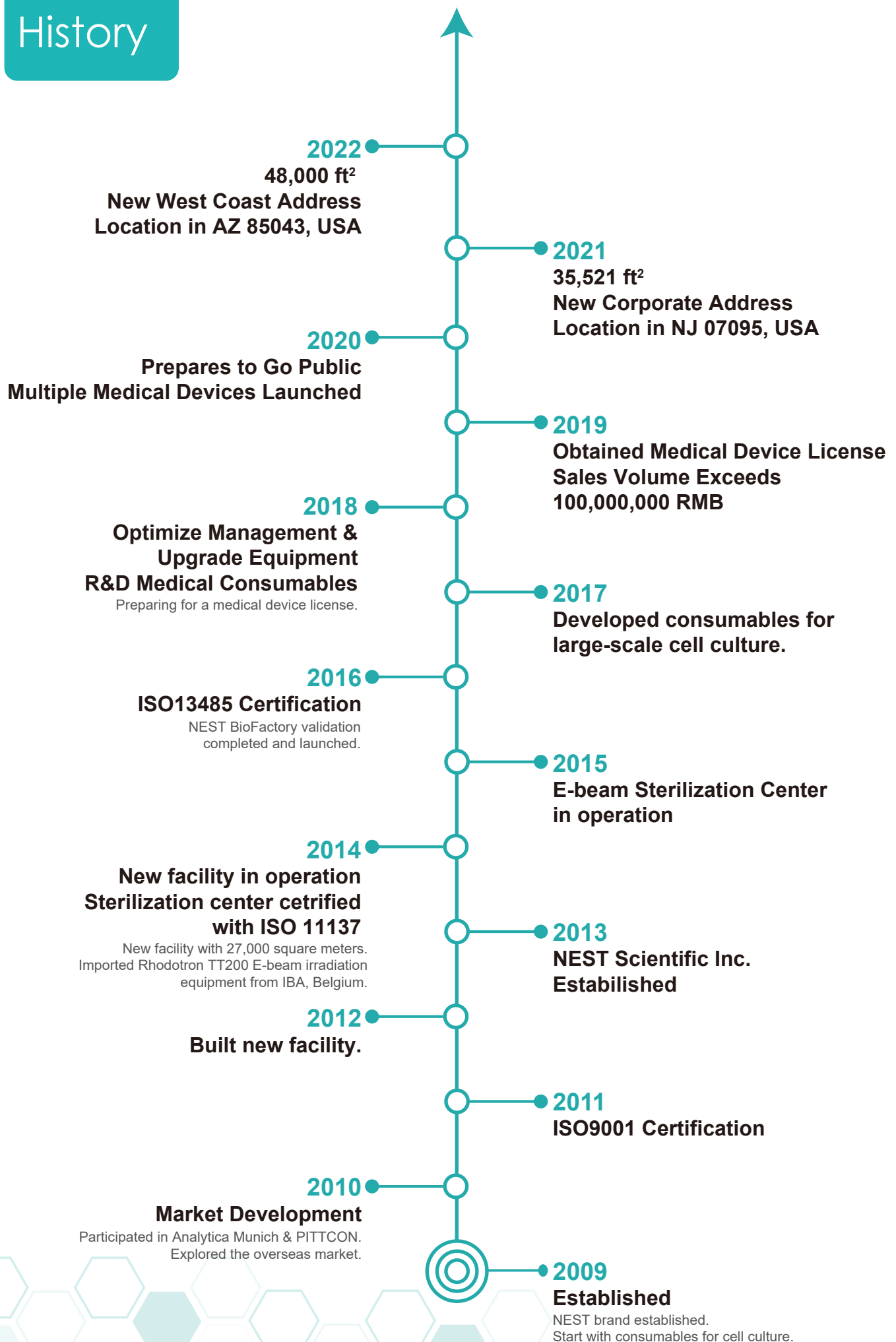
**West Coast Address of USA:**  
641 S 53rd Ave, Phoenix, AZ 85043 USA

**NEST Scientific Inc. (USA)**



**Corporate Address of USA:**  
3 Convery Blvd, Woodbridge, NJ 07095 USA

# History





# Company Profile



ISO 9001



ISO 13485



ISO 11137



FDA



CE

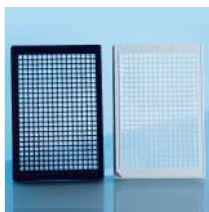


CE  
(Medical Consumables)



JSDA

# New Products Quick Navigation



Cell Culture Plates  
96/384 Well  
Black/White Wall and Clear Bottom

**P2~3**



PET Membrane Cell Culture Inserts  
1.0/8.0  $\mu$ m

**P4**



Biofactories, Pre-installed  
with Transfer Cap System  
Biofactories with Solid Overcaps

**P17~18**



125/250/500/1000mL  
PC Erlenmeyer Flasks  
Both with/without baffles are available

**P21**



5L PC High Efficient Erlenmeyer Flask,  
Pre-installed Transfer Cap

**P22~23**



2/3/5L  
PC High Efficient Erlenmeyer Flasks,  
with Baffles

**P22~23**



Rainin LTS Pipette Tips

**P41**



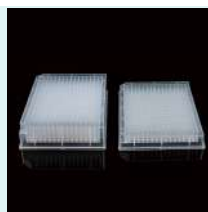
Robotic Tips, Compatible with  
Tecan/Hamilton Systems  
More specifications available

**P42~46**



Robotic Tips, Clear  
Compatible with Agilent Systems

**P43**



384 Well Deep Well Plates  
384/24 Well Silicone Mats

**P47~54**



96 Well ELISA Plate,  
Detachable, High Binding, White

**P64**



50/250/500mL Centrifuge Tubes,  
Pre-installed with Transfer Caps

**P36**



Square PET/PETG Media Bottles  
& Aseptic Transfer Caps

**P69~70**



Disposable Sampler, Self-sampling Kits  
VTM/Saline Solution

**P78 & 80**



Saliva/gargle Collection Kits

**P85**



AccureVials™  
Penicillin COP Bottles

**P86**

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- 04 Cell Culture Inserts **New Arrival!**
- 09 Cell Culture Dishes
- 07 Glass Bottom Cell Culture Dishes / Plates/Cover Glass
- 10 Cell Culture Chamber Slides
- 11 Cell Culture Flasks
- 12 5-Layer Cell Culture Flasks
- 13 Cell Scrapers & Cell Strainers
- 16 BioFactories & Accessories **New Arrival!**

#### For Suspension Cells

- 25 Mini Bio Reactor Tubes **New Arrival!**
- 21 125/250/500/1000mL PC/PETG Erlenmeyer Flasks
- 22 2/3/5L PC Erlenmeyer Flasks
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- 24 Transfer Caps for 2/3/5L Erlenmeyer Flasks

## Biobank System

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- 28 Cryogenic Vials
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## Bacteria

### P. Products Names

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- 89 CO<sub>2</sub> Orbital Shaker & Accessories
- 90 Standard Mini Roller (6 & 11 Rollers)
- 91 7° Digital Nutating Mixer
- 91 Mini Vortex Mixer
- 92 Variable Speed Tube Revolver with Digital Display

## Medical Consumables

### P. Products Names

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- 87 Disposable Intranasal Atomization Device

## Biological Testing

### P. Products Names

- 76 **Disposable Samplers** **New Arrival!**  
(UTM / VTM / ITM / AMIES / Saline Solution)
- 83 Saliva Collection Kits (Dry/ITM Solution)
- 85 Saliva/Gargle Collection Kits **New Arrival!**
- 47 Deep Well Plates & Silicone Mats **New Arrival!**
- 55 PCR Tubes & Caps
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## Liquid Handling

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- 36 Centrifuge Tubes, Pre-installed with Transfer Caps
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- 42 **Automation/Robotic Tips** **New Arrival!**  
Compatible with Tecan/Hamilton/Agilent/Beckman Systems
- 68 Reservoirs
- 69 PET/PETG Media Bottles & Transfer Caps **New Arrival!**
- 71 Wide Mouth Storage Bottles
- 72 Sample Vials

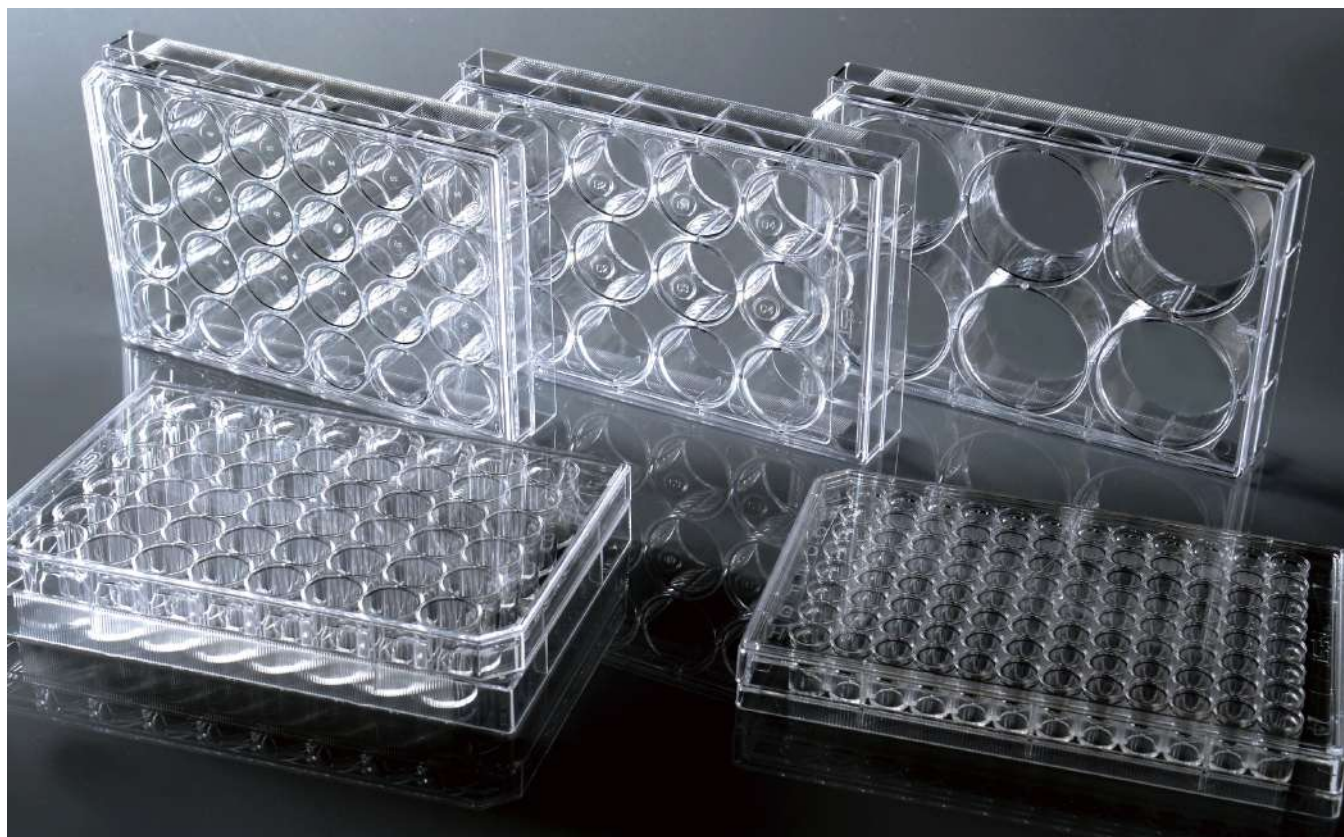
## Lab Safety

### P. Products Names

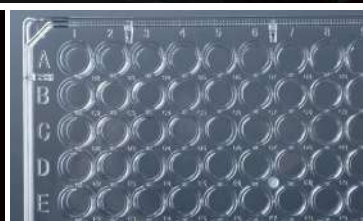
- 73 Examination Gloves
- 75 Non-woven Protection Masks/Caps/Shoe Covers



# Cell Culture Plates



Excellent bottom uniformity



Special lid design ensures low evaporation

NEST cell culture plates have round edges for better handling. Low profile, low-evaporation lid design assure 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<sup>-6</sup>.
- 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.

Products Name	Cell Growth Area (cm <sup>2</sup> )	Recommended Medium Volume (mL)
6 Well Cell Culture Plate	9.5	1.9-2.9
12 Well Cell Culture Plate	3.6	0.76-1.14
24 Well Cell Culture Plate	1.9	0.38-0.57
48 Well Cell Culture Plate	0.88	0.19-0.285
96 Well Cell Culture Plate	0.32	0.1-0.2
384 Well Cell Culture Plate	0.11	0.025-0.05



# Cell Culture Plates

## NEW PRODUCT



## Feature of Cell Culture Plates, with Black/White Wall and Clear Bottom

NEST cell culture plates, with black/white wall and clear bottom 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 wall are suited for fluorescent assays using either top or bottom detection microplate readers. Reduce cross influence.

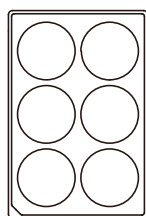
White wall are suited for luminescent assays using either top or bottom detection microplate readers.

## NEW PRODUCT

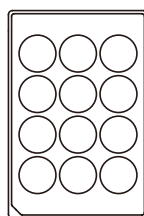


## Feature of Low Evap EDGE Plates

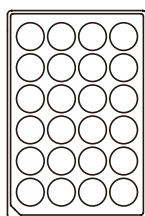
Grooves are designed at the edge of the culture plate to avoid the edge effect to the greatest extent and to ensure that the cells maintain their optimal state during cell culture.



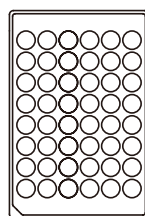
6 Well



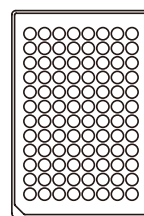
12 Well



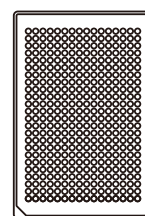
24 Well



48 Well

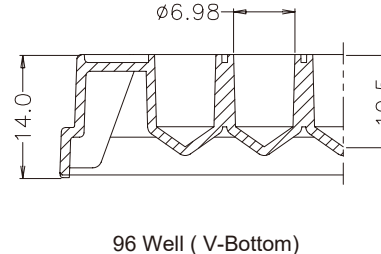
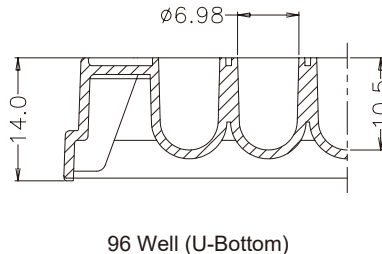
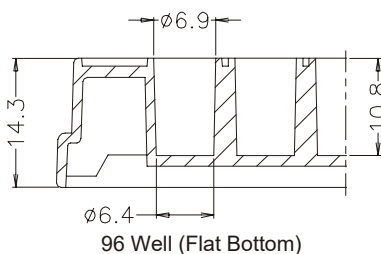


96 Well



384 Well

unit : mm



# Cell Culture Plates

## Cell Culture Plates 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
NEW PRODUCT	714011	6 Well Low Evap EDGE Plate, Flat Bottom, Clear	1	50
	713011	96 Well Low Evap EDGE Plate, Flat Bottom, Clear	1	100
	701401	96 Well Cell Culture Plate, Black Well with Clear Bottom	1	30
	701701	96 Well Cell Culture Plate, Whiter Well with Clear Bottom	1	30
	761401	384 Well Cell Culture Plate, Black Well with Clear Bottom	1	30
	761701	384 Well Cell Culture Plate, Whiter Well with Clear Bottom	1	30



## Cell Culture Plates 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 Plates 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



## 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 Inserts

## Features

- Sterilized by E-beam, SAL=10<sup>-6</sup>.
- Cell culture plates are made of high clarity, 100% virgin polystyrene.
- Vacuum Plasma tissue culture treatment.
- Clear lot number for batch traceability.
- Non-Pyrogenic, DNase/Rnase free.
- Innovative edge design for convenient sample loading.
- A rich selection of matching plates: 6-well, 12-well, 24-well.
- Low protein binding to ensure accurate results.
- Passed the USP VI toxicity test.
- 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 <sup>2</sup> )
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 <sup>2</sup> )
0.4	1x10 <sup>8</sup>
3.0	2x10 <sup>6</sup>
5.0	4x10 <sup>5</sup>
8.0	1x10 <sup>5</sup>

## Cell Culture Inserts, 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)	Qty/Pack	/Case
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



## Cell Culture Inserts - Dish, PC Membrane

TC Treated Cat. No.	Description	Pore Size (μm)	Qty/Pack	/Case
726001	100 mm Cell Culture Insert-Dish	3.0	1	10

# Cell Culture Inserts



6 Cell Culture Inserts+6 Well Plate



12 Cell Culture Inserts+12 Well Plate



12 Cell Culture Inserts+24 Well Plate

## 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 $\mu\text{m}$
Co-culture and cell differentiation, cell imaging	Primary cells, tumor, stem cells	0.4 $\mu\text{m}$ , 1.0 $\mu\text{m}$
Cell migration and invasion (angiogenesis)	Endothelial cells	3.0 $\mu\text{m}$
Cytochemotaxis (migration) or endothelial migration	Leukocytes	
Axonal hyperplasia	Neurons	
Tumor cell migration and invasion	Tumor-derived cells	8.0 $\mu\text{m}$
Hematotaxis or migration through endothelial cells	Leukocytes	
Co-culture	Tumor stem cells	
Transport and secretion of macromolecules or viruses		1.0 $\mu\text{m}$ , 3.0 $\mu\text{m}$

## Cell Culture Inserts, 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 ( $\mu\text{m}$ )	Qty/Pack	/Case
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
NEW PRODUCT	723421	6 Cell Culture Inserts+6 Well Plate	1.0	6	60
	724421	12 Cell Culture Inserts+12 Well Plate	1.0	12	120
	725421	12 Cell Culture Inserts+24 Well Plate	1.0	12	120
	723321	6 Cell Culture Inserts+6 Well Plate	8.0	6	60
	724321	12 Cell Culture Inserts+12 Well Plate	8.0	12	120
	725321	12 Cell Culture Inserts+24 Well Plate	8.0	12	120

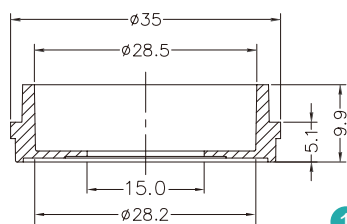
# Glass Bottom Cell Culture Dishes / Plates



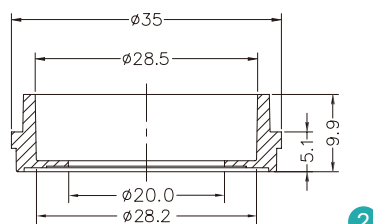
NEST glass bottom series are applied in confocal microscope, high resolution microscope, differential interference contrast microscope, polarized light microscope and phase contrast microscope for cell observation.

## Features

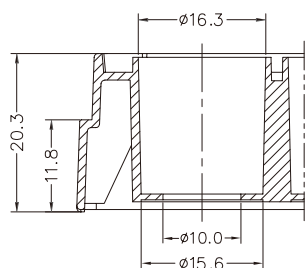
- Can be used for live cell observation.
- Special bottom design for easy grip.
- Round cover glass insert for good appearance.
- Medical adhesive glue to guarantee non-cytotoxicity.
- Sterilized by E-beam, SAL=10<sup>-6</sup>.
- Made of high clarity, 100% virgin polystyrene and high clarity glass as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



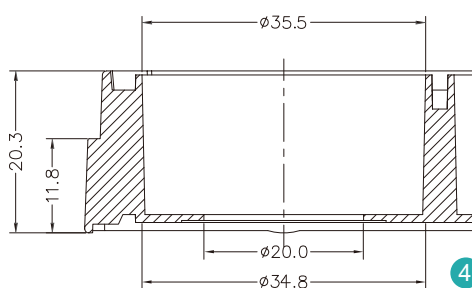
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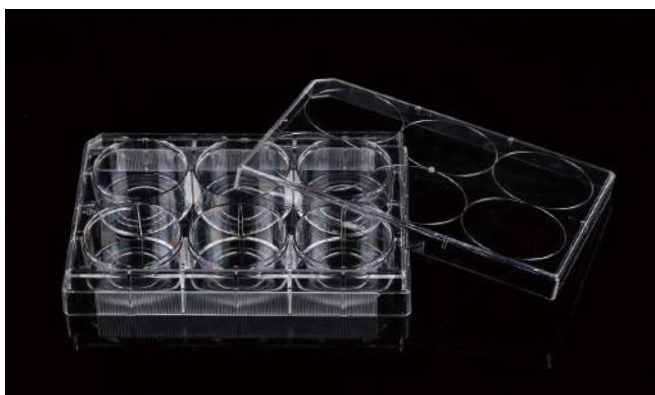


4

Unit: mm

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





## Glass Bottom Culture Dishes

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



## Glass Bottom Culture Plates

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



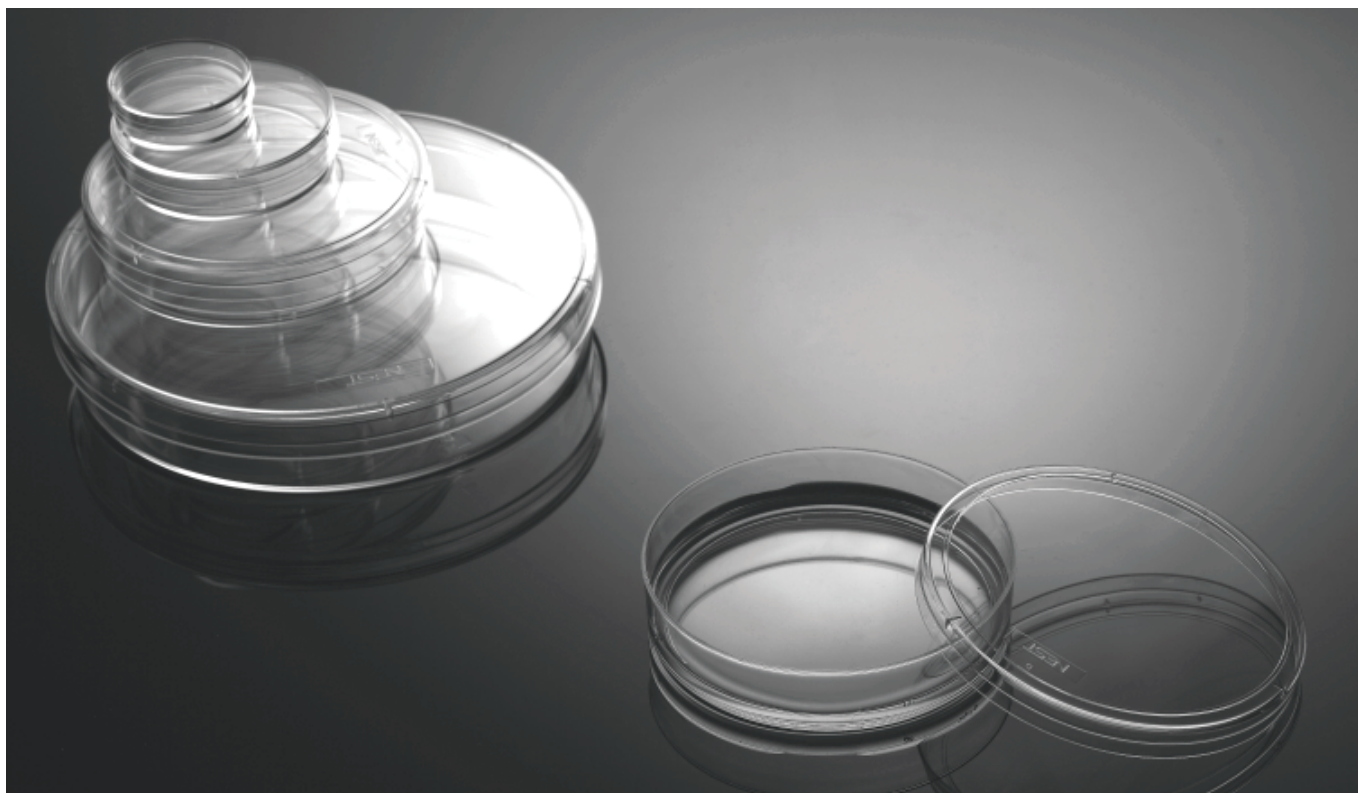
## Cover Glass

### 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

# Cell Culture Dishes



35 mm Dishes with Gripping Ring



100 mm Dishes with Gripping 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<sup>-6</sup>.
- Non-Pyrogenic, DNase/Rnase free.

Cat.No.	Spec(mm)			Cell Growth Area (cm <sup>2</sup> )	Recommended Medium Volume (mL)	/Pack	/Case
	Type	Height	Diameter				
706001	35	12	33.6	8.5	1.8-2.7	20	500
706201	35, with Gripping 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 Gripping Ring	20	86.9	59.3	11-16.5	10	300
704201	100, with Gripping 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 Chamber Slides



NEST Cell Culture Chamber Slides are designed for various cell-based experiments and are also useful for virus, toxicity tests and immunocytological experiments. Cell Culture Chamber Slides provide removable chambers that enable cell growth directly on the microscopical slide, convenient for staining and microscopic examination without cell transfer. Chambers with various well numbers and colors are available for different applications.

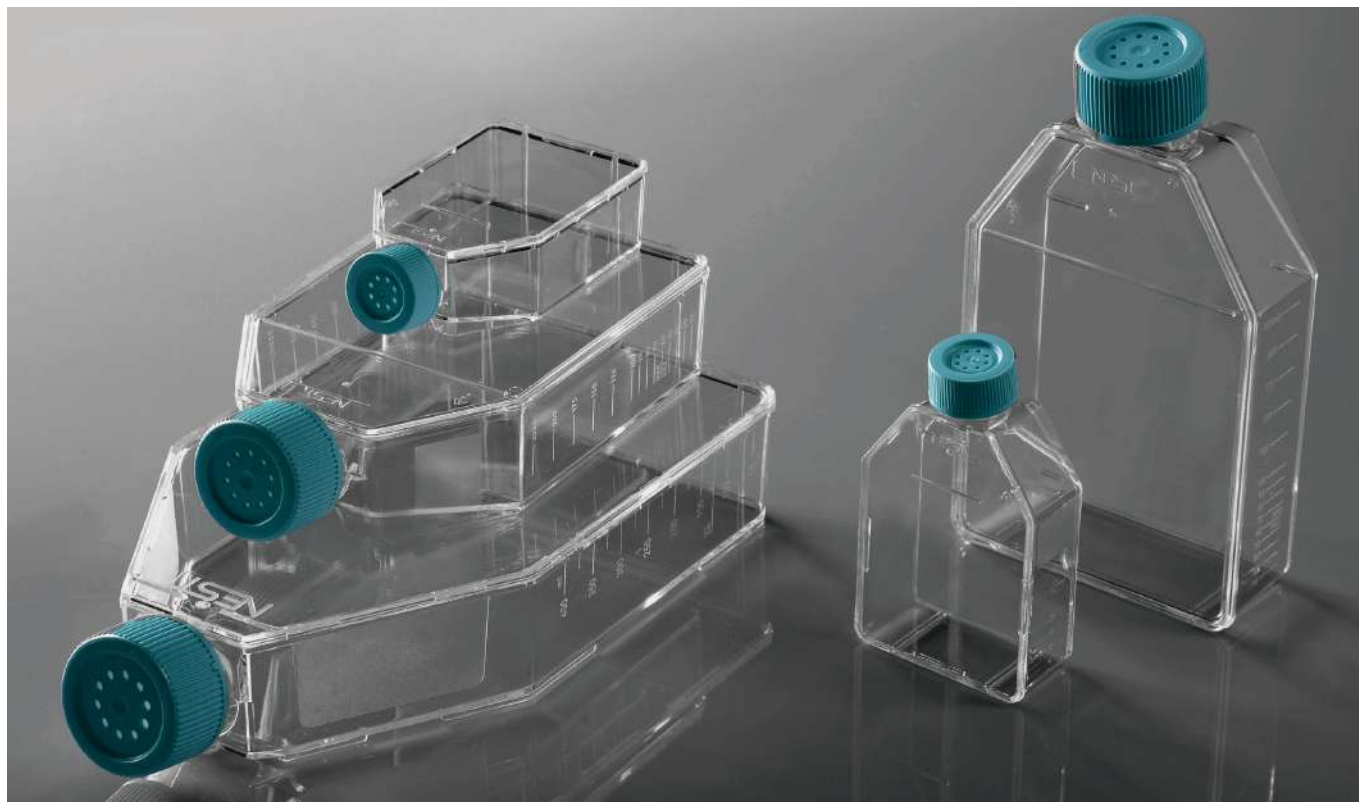
## Features

- Convenient for microscopic observation.
- Bottom materials: Borosilicate Glass, thickness 1.0 +0.1mm. No surface treatment for glass bottom.
- Chamber color: Clear/White/Black
- Easy open flip for chamber & slide disassembly.
- No chemical adhesives used.
- Designed to prevent cross contamination.
- Alphanumeric labeling.
- Packing trays can be used as incubation racks in CO<sub>2</sub> incubators.
- Sterile

Clear Cat.No.	White Cat.No.	Black Cat.No.	Descriptions	Growth Area / Well (cm <sup>2</sup> )	Working Volume (mL)	Well Dimension (mm)	/Pack	/Case
230101	230121	230111	1 well w/glass slide	9.4	2.50 - 5.50	23.00 x 49.60	6	12
230102	230122	230112	2 well w/glass slide	4.55	1.20 - 2.50	23.00 x 22.20	6	12
230104	230124	230114	4 well w/glass slide	2.13	0.50 - 1.30	23.00 x 11.40	6	12
230108	230128	230118	8 well w/glass slide	0.98	0.20 - 0.60	11.50 x 11.40	6	12



# Cell Culture Flasks



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 flasks

NEST cell culture flasks are available in cell growth areas ranging from 25cm<sup>2</sup> to 225cm<sup>2</sup>. Tissue culture treated or non-treated flasks available with a vent cap or plug seal cap to meet your requirements. Vacuum plasma tissue culture treated provides optimum cell adherence. Non-treated flasks utilize yellow caps to be different from TC flasks which have teal caps. They are for suspension cell growth.

## Features

- Made of high clarity, 100% virgin polystyrene.
- Sterilized by E-beam, SAL=10<sup>-6</sup>.
- 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.

TC Treated Cat. No.	Non-Treated Cat. No.	Description	/Pack	/Case
707001	707011	25 cm <sup>2</sup> Cell Culture Flask, Plug Seal Cap	10	200
708001	708011	75 cm <sup>2</sup> Cell Culture Flask, Plug Seal Cap	5	100
709001	709011	175 cm <sup>2</sup> Cell Culture Flask, Plug Seal Cap	5	40
721001	721011	225 cm <sup>2</sup> Cell Culture Flask, Plug Seal Cap	5	25
707003	707013	25 cm <sup>2</sup> Cell Culture Flask, Vent Cap	10	200
708003	708013	75 cm <sup>2</sup> Cell Culture Flask, Vent Cap	5	100
709003	709013	175 cm <sup>2</sup> Cell Culture Flask, Vent Cap	5	40
721003	721013	225 cm <sup>2</sup> Cell Culture Flask, Vent Cap	5	25

# 5-Layer Cell Culture Flasks

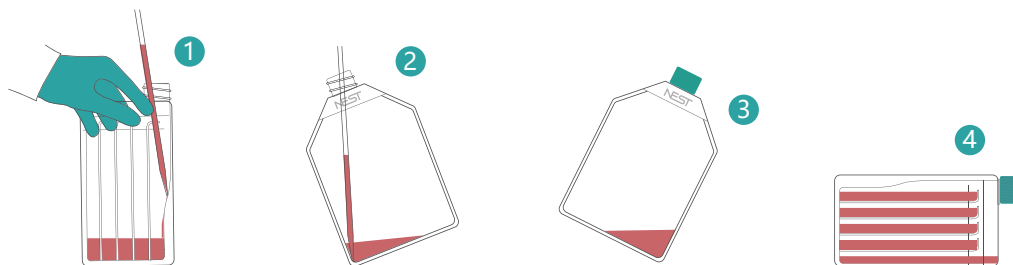


## Features

- Made of high clarity, 100% virgin polystyrene.
- Sterilized by E-beam, SAL=10<sup>-6</sup>.
- Non-Pyrogenic, DNase/Rnase free.
- Vacuum plasma tissue culture treated (TC treated).
- Growth area: 870 cm<sup>2</sup>.
- 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.

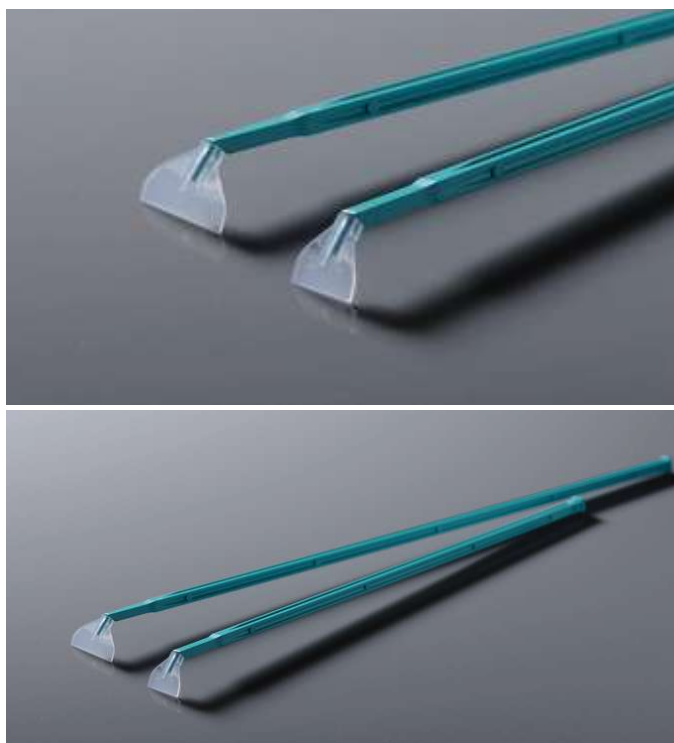
# Cell Scrapers

Specially designed cell scrapers can be used to scrape and collect cells easily and effectively. Push the handle with slight pressure to change the blade angle. Then push down the handle towards the bottom of the container. Rotate the handle slightly to make the blade twist to right direction.

## 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<sup>-6</sup>.
- 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 Strainers

NEST Cell Strainers are ideal for obtaining uniform single cell suspension from various sources. Nest Cell Strainers are made from nylon with 3 different mesh sizes (40 µm, 70 µm and 100 µm), showing optimal performances in a variety of applications such as stem cell & primary cell preparation.

## Features

- Ideal for stem cell and tissue-derived primary cell preparation.
- Fits into nearly all 50ml conical tubes including BD Falcon (tm), TPP and MidSci brands.
- Tab molded within upper ring enables easy sterile handling.
- Sterilized by gamma irradiation.
- Non-Pyrogenic, DNase/Rnase free.
- Individually Packaged.

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





# Serological Pipettes



## Features

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

## Serological Pipette, Individually Wrapped, Sterile

Cat.No.	Volume (mL)	/Pack	/Case
324001	1ml Serological Pipette	500	3000
325001	2ml Serological Pipette	400	2400
326001	5ml Serological Pipette	200	800
327001	10ml Serological Pipette	200	800
328001	25ml Serological Pipette	200	800
329001	50ml Serological Pipette	100	600
325011	2ml Aspirating Pipette, No Printing, No plug	200	800



## Serological Pipette, Bulk Bag, Sterile

Cat.No.	Volume (mL)	/Pack	/Case
324002	1ml Serological Pipette, 20 per Bulk Bag	1000	3000
325002	2ml Serological Pipette, 20 per Bulk Bag	1000	3000
326002	5ml Serological Pipette, 20 per Bulk Bag	500	1500
327002	10ml Serological Pipette, 20 per Bulk Bag	500	1500
328002	25ml Serological Pipette, 20 per Bulk Bag	200	800
329002	50ml Serological Pipette, 20 per Bulk Bag	100	600



# Pasteur Pipettes

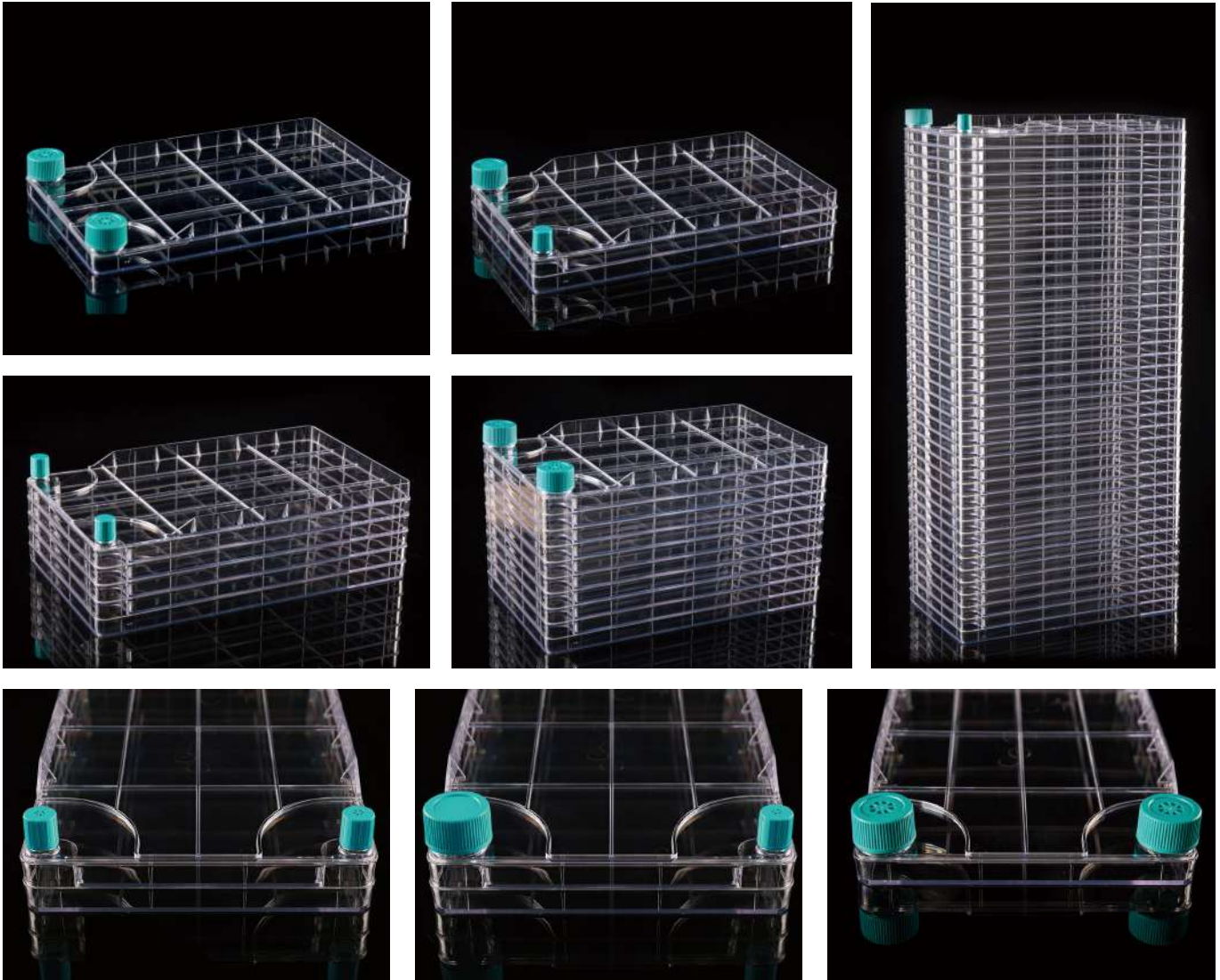


Conventional consumables for quantitative transfer of liquids, in the field of experimental direction of pipetting operations such as biology and chemistry. Cell culture laboratory liquid transfer, dosing, aspiration or other liquid transfer.

## 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 mL	144	Individually Packed	Sterile	500	2000
318112	2 mL	150	Individually Packed	Sterile	500	2000
318212	3 mL	162	Individually Packed	Sterile	500	2000
318314	3 mL Extra Long	182	Individually Packed	Sterile	200	2000
318031	1 mL	144	Bulk	Non-sterile	500	5000
318131	2 mL	150	Bulk	Non-sterile	500	5000
318231	3 mL	162	Bulk	Non-sterile	500	5000



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 system 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<sup>-6</sup>.
- 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 operation, you can cultivate a large number of cells and reduce contamination.
- Applicable to automatic machine.
- Standardize operations to reduce batch differences.



Cat.No.	Layer	Cultivation Area (cm²)	Descriptions	/Case
771001	1	647	<b>2 Wide Plug Seal Caps</b> with extra 16 sterile wide vent caps packaged separately	8
771101	2	1,279	<b>2 Wide Plug Seal Caps</b> with extra 16 sterile wide vent caps packaged separately	8
771204	5	3,175	<b>2 Wide Plug Seal Caps</b> with extra 8 sterile wide vent caps packaged separately	4
771302	10	6,335	<b>2 Wide Plug Seal Caps</b> with extra 12 sterile wide vent caps packaged separately	6
771403	40	25,295	<b>2 Wide Plug Seal Caps</b> with extra 4 sterile wide vent caps packaged separately	2
772001	1	647	<b>2 Narrow Plug Seal Caps</b> with extra 16 sterile narrow vent caps packaged separately	8
772101	2	1,279	<b>2 Narrow Plug Seal Caps</b> with extra 16 sterile narrow vent caps packaged separately	8
772204	5	3,175	<b>2 Narrow Plug Seal Caps</b> with extra 8 sterile narrow vent caps packaged separately	4
772302	10	6,335	<b>2 Narrow Plug Seal Caps</b> with extra 12 sterile narrow vent caps packaged separately	6
772403	40	25,295	<b>2 Narrow Plug Seal Caps</b> with extra 4 sterile narrow vent caps packaged separately	2
773001	1	647	<b>1 Wide Plug Seal Cap &amp; 1 Narrow Plug Seal Cap</b> with extra 8 sterile wide vent caps & 8 sterile narrow vent caps packaged separately	8
773101	2	1,279	<b>1 Wide Plug Seal Cap &amp; 1 Narrow Plug Seal Cap</b> with extra 8 sterile wide vent caps & 8 sterile narrow vent caps packaged separately	8
773204	5	3,175	<b>1 Wide Plug Seal Cap &amp; 1 Narrow Plug Seal Cap</b> with extra 4 sterile wide vent caps & 4 sterile narrow vent caps packaged separately	4
773302	10	6,335	<b>1 Wide Plug Seal Cap &amp; 1 Narrow Plug Seal Cap</b> with extra 6 sterile wide vent caps & 6 sterile narrow vent caps packaged separately	6
773403	40	25,295	<b>1 Wide Plug Seal Cap &amp; 1 Narrow Plug Seal Cap</b> with extra 2 sterile wide vent caps & 2 sterile narrow vent caps packaged separately	2

Large mouth design for easy pouring of the medium directly;

The 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

**NEW**

“NEST BioFactory (10 Chambers) pre-installed with transfer cap system” is a BioFactory pre-installed a set of transfer tubes and 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, greatly reduce the risk of exogenous pollution in the drug development and production process, simultaneously omit the operations of tube design, assemble and sterilization, improve the production efficiency.

Cat.No.	Descriptions	/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

## BioFactory with 2 Solid Overcaps

**NEW**


Solid Overcaps can be used directly on the adaptor caps to block dust and bacteria.

Cat.No.	Descriptions	/Case
771422	<b>40 Chamber with 2 Solid Overcaps</b> with extra 4 Sterile Vented Overcaps Included Separately	2
771322	<b>10 Chamber with 2 Solid Overcaps</b> with extra 12 Sterile Vented Overcaps Included Separately	6

## BioFactory Accessories

Individually Wrapped, Sterile



### 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



### 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



### 741001 Adaptor Connector

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



### 749001 T Shape Connector

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



### 747001 Connector

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



### 0.22µm, Vent Filter

742001 Dia 62 mm  
742011 Dia 56 mm  
1 pcs / pack, 5 pcs / case

# BioFactory Accessories



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



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



Cat.No.	Description	/Pack	/Case
740201	HDPE Adaptor Cap Wide Mouth to Narrow Mouth	1	10
740301	HDPE Adaptor Cap Wide Mouth to 3/8 Inches(9.5 mm) Hose	1	10
740302	PP Adaptor Cap Wide Mouth to 3/8 Inches(9.5 mm) Hose <b>NEW</b>	1	10



Cat.No.	Description	/Pack	/Case
C71275-ZME000B (Old No.: 745021)	<b>BioFactory Accessory Basic Package</b> a Hose Clamp, with a 50 mm Vent Filter, a 15 cm SPT-50 Hose, Adaptor Connector, and 2 Silicone Rings	1	2



Cat.No.	Description	/Pack	/Case
C71200-ZME000B (Old No.: 745011)	<b>BioFactory Accessory Lite Package</b> a Hose Clamp, with a 50 mm Vent Filter, a 15 cm SPT-50 Hose, and 2 Silicone Rings	1	2



Cat.No.	Description	/Pack	/Case
745001	<b>BioFactory Accessory Premium Package</b> 2 different Adaptor Caps, a Hose Clamp, a Adaptor Connector, a 50 mm Vent Filter, a Hose Clamp, and a 15 m SPT-50 Hose	1	1



## 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

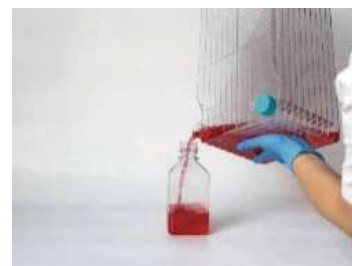
1. Please pre-heat the cell factory and culture medium to the culture temperature: since it takes a long time for a large incubator to reach the set culture temperature, pre-heating the cell factory and culture medium to the culture temperature before starting the experiment may speed up cell attachment 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.



# 125/250/500/1000mL Erlenmeyer Flasks

## Features

- PETG Bottle
- Sterilized by E-beam, SAL=10<sup>-6</sup>.
- 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.



## Dimension of Flasks (unit: mm)

Volume	Height	Neck O.D.	Bottom Dia
125 mL	106.8	34	66
250 mL	137.8	34	83
500 mL	175.8	39	101
1000 mL	213.3	39	127

## PETG Erlenmeyer Flasks, Flat-bottom

Seal Cap Cat.No.	Vent Cap Cat.No.	Volume	/Pack	/Case
781001	781011	125 mL	1	24
782001	782011	250 mL	1	12
783001	783011	500 mL	1	12
784001	784011	1000 mL	1	6

## NEW PC Erlenmeyer Flasks

### Advantage of Baffled Bottom

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



## PC Erlenmeyer Flasks, with Baffles

Seal Cap Cat.No.	Vent Cap Cat.No.	Volume	/Pack	/Case
781201	781211	125 mL	1	24
782201	782211	250 mL	1	12
783201	783211	500 mL	1	12
784201	784211	1000 mL	1	6



## PC Erlenmeyer Flasks, Flat-bottom

Seal Cap Cat.No.	Vent Cap Cat.No.	Volume	/Pack	/Case
781101	781111	125 mL	1	24
782101	782111	250 mL	1	12
783101	783111	500 mL	1	12
784101	784111	1000 mL	1	6

# 2/3/5L Erlenmeyer Flasks

For Large Scales, Suspension cells

## 2/3L PC Erlenmeyer Flasks, Flat-bottom

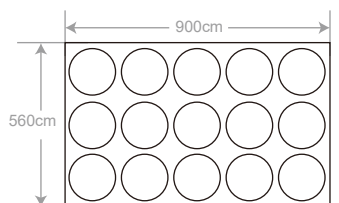


Seal Cap Cat.No.	Vent Cap Cat.No.	Volume	Dimension (mm)			/Case
			Height	Neck O.D.	Bottom Dia	
785001	785011	2L	285	47	162	6
786001	786011	3L	253	62	230	4

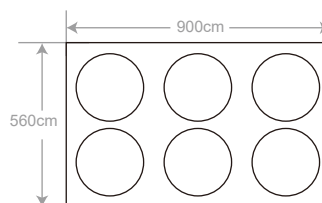
## 2/3/5L PC High Efficient Erlenmeyer Flasks



## High Efficient Erlenmeyer Flask VS Erlenmeyer Flask



3L High Efficient Erlenmeyer Flask



3L Conical Erlenmeyer Flask

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

- For the same shaker, more 3L high Efficient Erlenmeyer flask can be placed on, greatly saving space.
- The breathable membrane of the high efficient Erlenmeyer flask cap is bigger, which enables a higher oxygen flux.
- Equipped with Transfer Cap, safer and convenient.



# 2/3/5L Erlenmeyer Flasks

## 2/3/5L PC High Efficient Erlenmeyer Flasks

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<sup>-6</sup>.
- Non-Pyrogenic, DNase/Rnase free.
- Individually packaged in sterile bag.

#### Baffled Bottom



#### Advantage of Baffled Bottom

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

#### Advantage of 3L Wide-mouth

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.

### 2/3/5L PC High Efficient Erlenmeyer Flasks Baffled Bottom **NEW**

Seal Cap Cat.No.	Vent Cap Cat.No.	Volume	/Pack	/Case
785105	785115	2L	1	4
786105	786115	3L	1	4
786505	786515	3L wide-mouth	1	4
787005	787015	5L	1	4

### 2/3/5L PC High Efficient Erlenmeyer Flasks Flat-bottom

Seal Cap Cat.No.	Vent Cap Cat.No.	Volume	/Pack	/Case
785101	785111	2L	1	4
786101	786111	3L	1	4
786501	786511	3L wide-mouth	1	4
787001	787011	5L	1	4

### 5L PC High Efficient Erlenmeyer Flask, Pre-installed Transfer Cap, **NEW** Flat-bottom

Cat.No.	Dimension (mm)			/Case
	Height	Neck O.D.	Bottom Dia	
787081	285.5	90	230	4

#### Dimension of Flasks (unit: mm)

Volume	Height	Neck O.D.	Bottom Dia
2L	213.5	67	162
3L	253.5	67	162
3L wide-mouth	253.5	90	162
5L	285.5	90	230

## Transfer Caps for High Efficient Erlenmeyer Flasks

### 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<sup>-6</sup>.
- Endotoxin-free, and no ingredients of animal origin.
- Individually packaged in sterile bag.

### Bi-directional Liquid Transfer Cap System

An Adaptor Cap Connected to a 0.22µm Filter (φ33mm), a TPE External Liquid Transfer Tube (1/8" ID, 1/4" OD), a PTFE Internal Liquid Transfer Tube (1/6" ID, 1/4" OD), Sterile, 1/pk, 4/cs

Compatible with 2/3/5L high efficient Erlenmeyer flasks. The liquid transfer is achieved by the 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.

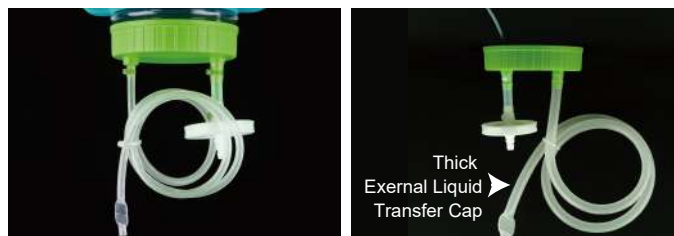


Cat.No.	Compatibility	Cap Dia. (mm)	External Liquid Transfer Tube		Internal Liquid Transfer Tube		/Pack	/Case
			Dia.	Length	Dia.	Length		
C10122-AZB050B (Old: 785921)	2L	φ 75.5		50 cm		24 cm	1	4
C10222-AZB050B (Old: 786921)	3L	φ 75.5		50 cm		28 cm	1	4
C10322-AZB050B (Old: 786821)	3L Wide-mouth	φ 106		50 cm		28 cm	1	4
C10422-AZB090B (Old: 787921)	5L	φ 106		90 cm		34 cm	1	4

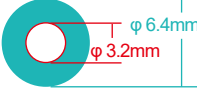
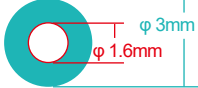
### Inverted Liquid Transfer Caps

An Adaptor Cap Connected to a 0.22µm Filter (φ45mm), a TPE External Liquid Transfer Tube, a PTFE Internal Liquid Transfer Tube (1/16" ID, 1/8" OD), Sterile, 1/pk, 4/cs

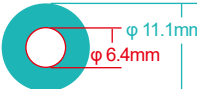
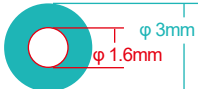
Compatible with 2/3/5L high efficient Erlenmeyer flasks. When the liquid transfer is required, the liquid is transferred under gravity with the inverted Erlenmeyer flask.



### Inverted Liquid Transfer Cap System

Cat.No.	Compatibility	Cap Dia. (mm)	External Liquid Transfer Tube		Internal Liquid Transfer Tube		/Pack	/Case
			Dia.	Length	Dia.	Length		
C10131-AZC050B (Old: 785941)	2L	φ 75.5		50 cm		24 cm	1	4
C10231-AZC050B (Old: 786941)	3L	φ 75.5		50 cm		28 cm	1	4
C10331-AZC050B (Old: 786841)	3L Wide-mouth	φ 106		50 cm		28 cm	1	4
C10431-AZC090B (Old: 787941)	5L	φ 106		90 cm		34 cm	1	4

### Inverted Liquid Transfer Cap System, with Thick TPE External Liquid Transfer Tube

Cat.No.	Compatibility	Cap Dia. (mm)	External Liquid Transfer Tube		Internal Liquid Transfer Tube		/Pack	/Case
			Dia.	Length	Dia.	Length		
C10133-DZC050B (Old: 785951)	2L	φ 75.5		50 cm		24 cm	1	4
C10233-DZC050B (Old: 787951)	3L	φ 75.5		50 cm		28 cm	1	4
C10333-DZC050B (Old: 786851)	3L Wide-mouth	φ 106		50 cm		28 cm	1	4
C10433-DZC090B (Old: 786951)	5L	φ 106		90 cm		34 cm	1	4

# Transfer Caps

## Transfer Caps for High Efficient Erlenmeyer Flasks

### Multi-Function Liquid Transfer Cap System, with Quick Sampling Connector



A Vent Cap (0.22 $\mu$ m), Connected to a 0.22 $\mu$ m Filter ( $\phi$ 62mm), a TPE External Liquid Transfer Tube (1/8" ID, 1/4" OD) with a Quick Sampling Connector and a 0.22 $\mu$ m Filter ( $\phi$ 33mm), a PTFE Internal Liquid Transfer Tube (1/6" ID, 1/4" OD), Sterile, 1/pk, 4/cs

Compatible with 2/3/5L high efficient Erlenmeyer flasks. Different from 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 quick sampling connector 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.

Cat.No.	Compatibility	Cap Dia. (mm)	External Liquid Transfer Tube		Internal Liquid Transfer Tube		/Pack	/Case
			Dia.	Length	Dia.	Length		
C10111-AJE052B (Old: 785931)	2L	$\phi$ 75.5		52 cm		24 cm	1	4
C10211-AJE052B (Old: 786931)	3L	$\phi$ 75.5		52 cm		28 cm	1	4
C10311-AJE052B (Old: 786831)	3L Wide-mouth	$\phi$ 106		52 cm		28 cm	1	4
C10411-AJE092B (Old: 787931)	5L	$\phi$ 106		92 cm		34 cm	1	4



### Vent Caps NEW

Cat.No.	Description	Cap Dia. (mm)	/Pack	/Case
785913	For 2L Erlenmeyer Flasks	$\phi$ 54	1	20
786913	For 3L Erlenmeyer Flasks and 2/3L High Efficient Erlenmeyer Flasks	$\phi$ 75.5	1	20
787913	For 5L Erlenmeyer Flasks	$\phi$ 106	1	20

## Mini Bio Reactor Tubes

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  $\mu$ m hydrophobic filters for gas exchange without contamination.
- Packaged in sterile, zip-sealable bags.
- Sterilized by E-beam, SAL=10<sup>-6</sup>.
- Non-Pyrogenic, DNase/Rnase free.
- Can be used for centrifugation.

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



# Vacuum Filtration Systems



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.

## 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 Systems

## 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<sup>-6</sup>.
- Individually packaged in sterile bag.

## 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



## Syringe Filters

### Features

- For sample volumes of 2mL to 100mL.
- Retention volume <115µL.
- Maximum operating temperature: 100°C autoclave at 125°C for 15 min.
- Maximum operating pressure approximately 100 psi.
- Individually wrapped.
- Non – pyrogenic, Non – cytotoxic.
- DNase / RNase – free, Human DNA – free.

PES Membrane Cat.No.	PVDF Membrane Cat.No.	Housing Diameter (mm)	Pore Density (µm)	/Case
380111	380121	25	0.22	50
380211	380221	25	0.45	50
380112	380122	13	0.22	50
380212	380222	13	0.45	50

# Cryogenic Vials



## O-ring Upgrade

O-rings were integrated injection-molded with the internal thread caps, manual assembly of O-rings is no longer required, reducing the risk of contamination.



## Features

- Made of USP VI polypropylene.
- Autoclave at 121 °C /15 lb.
- Sterilized by E-beam, SAL=10<sup>-6</sup>. Non-pyrogenic, DNase/RNase and human DNA free.
- Round Bottom, Self-standing. There are clear graduations and white marking area on 1.2/2.0/3.0/4.0/5.0ml volume vials.
- Recommend to store in gas phase of the nitrogen tank.

## Bulk Packed

External Thread Cat.No.	Internal Thread Cat.No.	Volume	/Pack	/Case
618001	618101	0.5 mL	50	2000
606001	606101	1.2 mL	50	2000
607001	607101	2.0 mL	50	2000
624001	624101	3.0 mL	50	1000
608001	608101	4.0 mL	50	1000
609001	609101	5.0 mL	50	1000

## Racked

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

## Cap Inserts

Compatible with regular cryogenic vials that with external thread caps 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



# 2D Barcode Cryogenic Vials



## 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.



## Bulk Packed

External Thread Cat.No.	Internal Thread Cat.No.	Volume	/Pack	/Case
618041	618141	0.5 mL	50	2000
606041	606141	1.2 mL	50	2000
607041	607141	2.0 mL	50	2000
624041	624141	3.0 mL	50	1000
608041	608141	4.0 mL	50	1000
609041	609141	5.0 mL	50	1000

## Racked

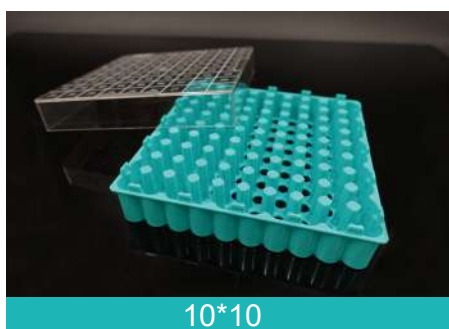
External Thread Cat.No.	Internal Thread Cat.No.	Volume	/Pack	/Case
618053	618153	0.5 mL	81	1296
606053	606153	1.2 mL	81	1134
607053	607153	2.0 mL	81	972
624053	624153	3.0 mL	81	648
608053	608153	4.0 mL	81	648
609053	609153	5.0 mL	81	486
/	618152	0.5 mL	100	1600
/	606152	1.2 mL	100	1400
/	607152	2.0 mL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

## Cryo Boxes

### Features

- Temperature range: -196 °C to +121 °C
- PC cap with ABS bottom

- Each box includes drain holes and air vents to minimize condensation.

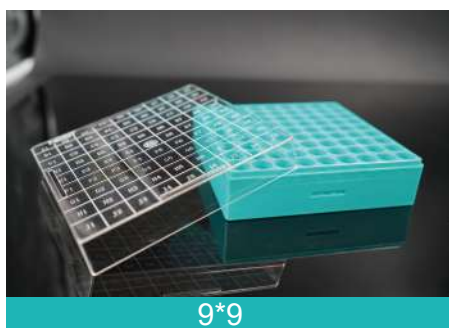


10\*10

### Cryo Box, 10\*10 Well,

Compatible with internal thread cryogenic vial only.

Cat. No.	Description	/Case
616204	Compatible with 0.5mL internal thread cryovials	56
616305	Compatible with 1.2mL internal thread cryovials	48
616001	Compatible with 2.0mL internal thread cryovials	40



9\*9

### Cryo Box, 9\*9 Well,

Both internal thread & external thread cryogenic vials can use.

Cat. No.	Description	/Case
616224	Compatible with 0.5mL cryovials	56
616325	Compatible with 1.2mL cryovials	48
616021	Compatible with 2.0mL cryovials	40
616421	Compatible with 3.0mL cryovials	32
616121	Compatible with 4.0mL cryovials	32
616521	Compatible with 5.0mL cryovials	32

# 3D Barcode Cryogenic Vials



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.

## Features

- The vial body is made of medical-grade cryogenic polypropylene (PP), which meets USP Class-6 standards, and the vial is recommended to be used in  $-196^{\circ}\text{C}$  gas nitrogen phase;
- DNase/RNase free, non-endotoxin;
- Electron beam sterilization, SAL =  $10^{-6}$ .



## Three-code-in-one

2D barcode on bottom, and 1D barcode on side

## 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.

# 3D Barcode Cryogenic Vials

## 3D Barcode Cryogenic Vial SBS Format, Compatible with Brooks System

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	1.9 mL, Bulk, Caps on, Sterile	48	480
612047	1.9 mL, Bulk, Caps Separated, Sterile	48	480
614041	4.0 mL, Bulk, Caps on, Sterile	48	480
614047	4.0 mL, Bulk, Caps Separated, Sterile	48	480
612051	1.9 mL, Racked, Sterile	48	480
614051	4.0 mL, Racked, Sterile	48	480

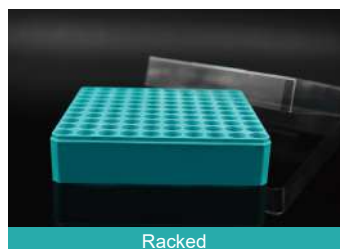
## 3D Barcode 1.8 mL Cryogenic Vial

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

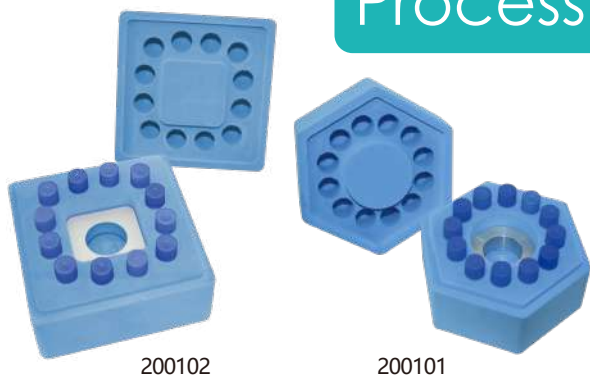
- Excellent sealing performance: permanent reversal prevention;
- High storage safety: the inside forms a closed and isolated space separated from the outside without leakage, favorable for storage and transportation.
- Memory of use history: the middle cover will be punctured when taking sample out, 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	1.8 mL Cryogenic Vials, 10*10 Racked, External Thread, Double Secure Cap	100	1000
627002	1.8 mL Cryogenic Vials, 10*10 Racked, External Thread	100	1000
627101	1.8 mL Cryogenic Vials, Bulk, External Thread, Double Secure Cap	50	2000
627001	1.8 mL Cryogenic Vials, Bulk, External Thread	50	2000
616031	Cryo Boxes, For 3D Barcode 1.8mL Cryogenic Vials, 10*10	1	40



# Process Cooling Box for 12 Tubes



## Application

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

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

## Ice Free Cool Box



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

### 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	Specifications (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)

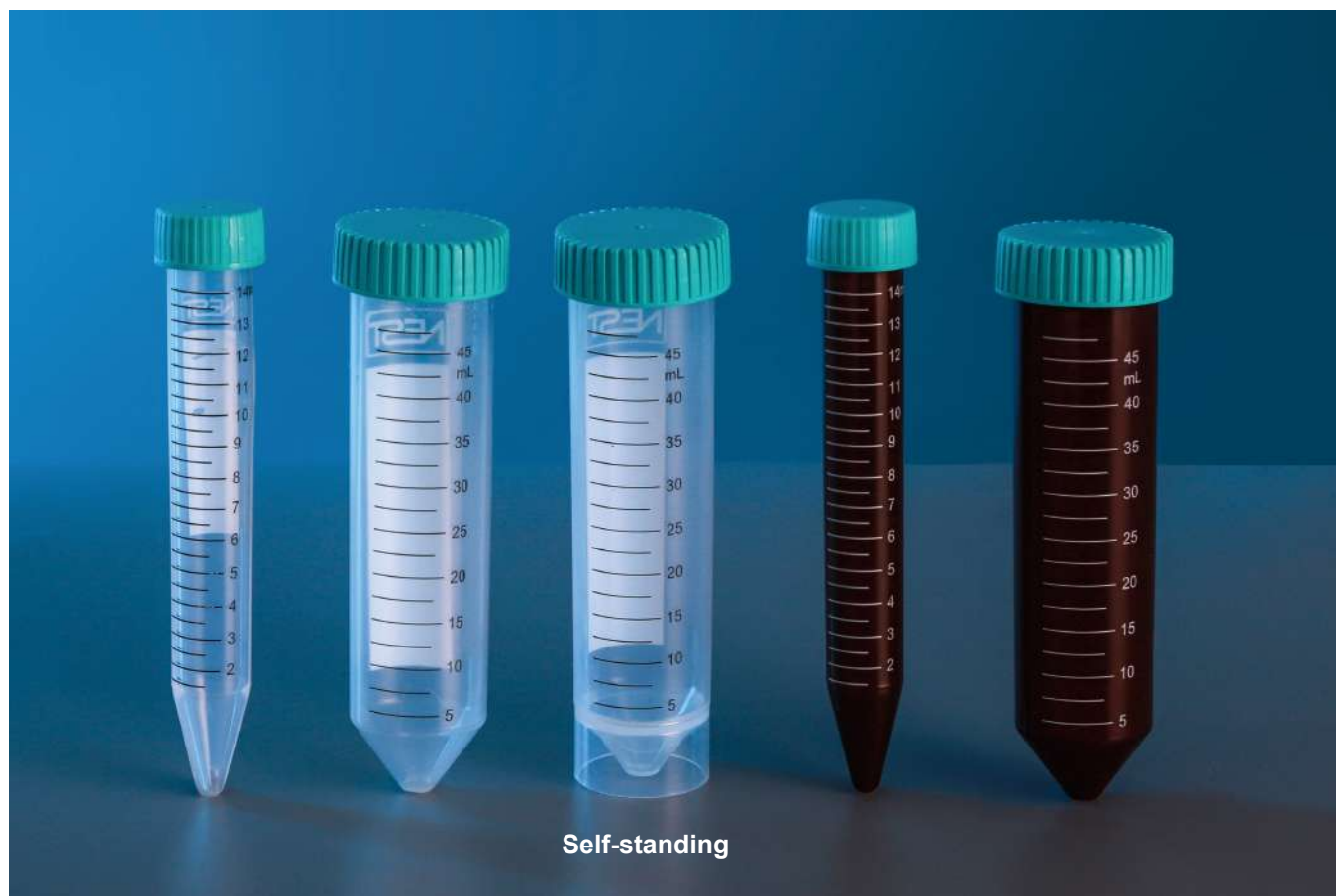
### Freezing Box Accessories



### Technical Parameters

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

# 15 mL&50 mL Centrifuge Tubes



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.
- 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<sup>-6</sup>.
- 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 Tubes



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 Racks



### 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

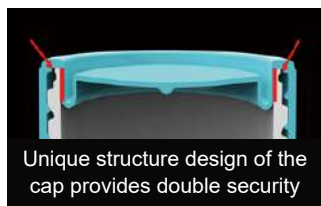
# 250 mL&500 mL Centrifuge Tube



The 250mL & 500mL centrifuge tubes can process a large number of samples at one time and are suitable for 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.
- Max. centrifugal limit 7000xg.
- Temperature range: -80 °C~120 °C.
- Clear scale.
- DNase, RNase and pyrogen free.
- Electron beam sterilization, SAL=10<sup>-6</sup>.
- 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.	Descriptions	/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**

# Centrifuge Tubes, Pre-installed with Transfer Caps



250 mL Centrifuge Tubes,  
Pre-installed with Transfer Tubes



500 mL Centrifuge Tubes,  
Pre-installed with Transfer Tubes



50 mL Self-standing Centrifuge Tubes,  
Pre-installed with Transfer Tubes

NEST closed system solutions achieves a closed transfer of liquids, where culture medium or cells are aseptically transferred to a cell culture bag, bioreactor or large shake flask directly through the tubing connection. It greatly reduces the risks of exogenous contamination during drug development and production process, shortens the time of customers for tubing design, assembly and sterilization, and improves production efficiency.

## Features

- 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<sup>-6</sup>.
- Endotoxin-free, and no ingredients of animal origin.
- Individually packaged in sterile bag.

## Centrifuge Tubes, Pre-installed with Transfer Caps:

An Adaptor Cap Connected to a Filter (0.22μm, φ24mm), a Silicone External Liquid Transfer Tube (50cm, 1/8" ID, 1/4" OD) with a Male Luer Connector and a Luer Cap, a PTFE Internal Liquid Transfer Tube (1/6" ID, 1/4" OD), Sterile, 1/pk, 4/cs

Cat.No.	Volume	Cap Dia. (mm)	External Liquid Transfer Tube		Internal Liquid Transfer Tube		/Pack	/Case
			Dia.	Length	Dia.	Length		
C60922-EFB050A	250 mL	φ 35.66	Silicone Tube 1/8" ID, 1/4" OD	50 cm	PTFE Tube 1/6" ID, 1/4" OD	16 cm	1	4
C61022-EFB050A	500 mL	φ 51.90		50 cm		15 cm	1	4
C60622-EFB050A	50 mL	φ 34.80		50 cm		12 cm	1	4

# Microcentrifuge Tubes



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	Inner Packing	/Case
605001	0.6	Clear	Conical	Non-sterile	1000/pk	10000
615001	1.5	Clear	Conical	Non-sterile	500/pk	5000
620011	2.0	Clear	Round	Non-sterile	500/pk	5000
603011	5.0	Clear	Round	Non-sterile	200/pk	2000
605601	0.6	Clear	Conical	Sterile	50/bag, 750/pk	7500
615601	1.5	Clear	Conical	Sterile	400/pk	4000
620611	2.0	Clear	Round	Sterile	50/bag, 400/pk	4000
615401	1.5	Amber	Conical	Sterile	50/bag	4000
605401	0.6	Amber	Conical	Sterile	50/bag	7500
603111	5.0	Clear	Round	Sterile	200/pk	2000

## Micro Tube Boxes

### 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



# Universal Pipette Tips



# Universal Pipette Tips

NEST Aerosol Filter Pipet Tips are designed and manufactured using premium-grade 100% polypropylene for the most critical molecular biology liquid handling applications. All Nest Aerosol Filter Tips are gamma irradiated Sterile and Certified RNase/DNase-Free, human DNA-Free, and Pyrogen-Free. In addition, Nest Aerosol Filter Tips are Ultra-Clear with a Fine-Point design for the convenient, precise pipetting of precious nucleic acid and protein samples and are designed to be Universal-fit for the majority of research-grade pipettors.

## Features

- Certified RNase, DNase, Human DNA, Pyrogen-Free.
- Low-Retention, Fine-Point design for lowest sample adhesion.
- Ultra-Clear polymer withstands organic solvents and provides clear, error-free pipetting.
- Effective hydrophobic aerosol barrier eliminates carry-over and pipettor contamination.
- Gamma-irradiated Sterile and Graduated.
- Universal-fit for most single and multichannel pipettors.

## Filtered Pipette Tips, Clear

Bulk, Non-sterile

Cat.No.	Descriptions	/Pack	/Case
311001	10µl Filter Pipette Tips	1000	10000
315001	20µl Filter Pipette Tips	1000	10000
312001	200µl Filter Pipette Tips	1000	10000
313001	1000µl Filter Pipette Tips	1000	5000
316001	1250µl Filter Pipette Tips	1000	5000

## Filtered Pipette Tips, Clear

Racked, Sterile

Cat.No.	Descriptions	/Box	/Case
311012	10µl Filtered Pipette Tips	96	4800
314012	10µl Filtered Pipette Tips, Extra-long	96	4800
315012	20µl Filtered Pipette Tips	96	4800
316012	100µl Filtered Pipette Tips	96	4800
312012	200µl Filtered Pipette Tips	96	4800
319012	300µl Filtered Pipette Tips	96	4800
313012	1000µl Filtered Pipette Tips	96	4800
317012	1250µl Filtered Pipette Tips	96	4800

## Pipette Tips, Clear Bulk, Non-sterile

Cat.No.	Descriptions	/Pack	/Case
301001	10µl Pipette Tips	1000	10000
304001	10µl Pipette Tips, Extra-long	1000	10000
302001	200µl Pipette Tips	1000	10000
305001	300µl Pipette Tips	1000	10000
303001	1000µl Pipette Tips	1000	10000
306001	1250µl Pipette Tips	1000	10000



## Pipette Tips, Clear Racked, Sterile

Cat.No.	Descriptions	/Box	/Case
301012	10µl Pipette Tips	96	4800
304012	10µl Pipette Tips, Extra-long	96	4800
302012	200µl Pipette Tips	96	4800
305012	300µl Pipette Tips	96	4800
303012	1000µl Pipette Tips	96	4800
306012	1250µl Pipette Tips	96	4800





# Universal Pipette Tips

## Pipette Tips, Refills, Clear Non-Sterile

Cat.No.	Descirptions	/Rack	/Pack	/Case
301023	10µl Pipette Tips, Refills	96	960	9600
304023	10µl Pipette Tips, Extra-long, Refills	96	960	9600
302023	200µl Pipette Tips, Refills	96	960	9600
305023	300µl Pipette Tips, Refills	96	960	9600
303023	1000µl Pipette Tips, Refills	96	960	4800
306023	1250µl Pipette Tips, Refills	96	960	4800



Refills Packed

## Pipette Tips, DoubleStack Racked, Clear Sterile

Cat.No.	Descirptions	/Wafer	/Pack	/Case
301052	10µl Pipette Tips, DoubleStack	96	960	9600
304052	10µl Pipette Tips, Extra-long, DoubleStack	96	960	9600
302052	200µl Pipette Tips, DoubleStack	96	960	9600
305052	300µl Pipette Tips, DoubleStack	96	960	9600



DoubleStack Racked

## Empty Pipette Tip Boxes, Includes Racks, without Tips

Cat.No.	Descirptions	/Pack	/Case
351201	Empty Tip Boxes for 1000µl and 1250µl Tips	10	50
351101	Empty Tip Boxes for 200µl and 300µl Tips	10	50
351001	Empty Tip Boxes for 10µl and 10µl Extra Long Tips	10	50



# Rainin LTS Pipette Tips

**NEW**



200uL



300uL



10uL



1000uL



With the constant efforts and many tests of our engineers, we are glad to announce that the alternative RAININ LTS tips are also available for purchase. This kind of tip is different from the universal tips. With a similar design to RAININ LTS Pipette Tips, it could be compatible well with RAININ LTS pipettes.

Meanwhile, like all other pipette tips, it is made from virgin polypropylene and manufactured in a Class 100,000 cleanroom. Also, our smart production line ensures minimal human contact during production. Thus, these tips are free of DNase, RNase, human DNA, and endotoxins.

## Features

- Made from virgin polypropylene.
- Compatible well with RAININ LTS pipettes.
- RNase, DNase, Human DNA, Pyrogen-Free.
- Sterilized by E-beam SAL=10<sup>-6</sup>

## Rainin LTS Filter Pipette Tips, Clear

Racked, Sterile

Cat.No.	Descriptions	/Box	/Case
311061	Rainin LTS 10uL Filter Pipette Tips	96	4800
312061	Rainin LTS 200uL Filter Pipette Tips	96	4800
319061	Rainin LTS 300uL Filter Pipette Tips	96	4800
313061	Rainin LTS 1000uL Filter Pipette Tips	96	4800

## Rainin LTS Pipette Tips, Clear

Racked, Sterile

Cat.No.	Descriptions	/Box	/Case
301061	Rainin LTS 10uL Pipette Tips	96	4800
302061	Rainin LTS 200uL Pipette Tips	96	4800
305061	Rainin LTS 300uL Pipette Tips	96	4800
303061	Rainin LTS 1000uL Pipette Tips	96	4800

# Automation/Robotic Tips



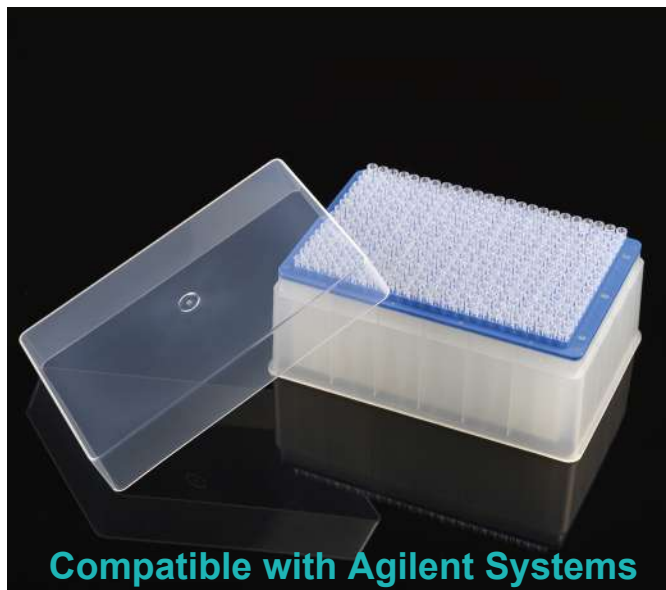
**Compatible with Tecan Systems**



**Compatible with Hamilton Systems**



**Compatible with Beckman Systems**



**Compatible with Agilent Systems**

NEST automation/robotic tips 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.

Compatible with Hamilton/Tecan/Beckman/Agilent Systems.

Filter or non-filter style can be selectable, it has super hydrophilicity, it can shield aerosol, and eliminate the risk of cross-contamination of samples.

Variety of packaging are available.

Both conductive and clear are available.

# Automation/Robotic Tips

## Features

- Adopt medical grade polypropylene material, which is manufactured by precision mold, and the material batch is stable.
- DNase-and RNase-free, no heat source contamination.
- Electron beam sterilization.
- Manufacturing facility equipped with class 100,000 clean-room, products packing under sterile condition.
- Unique process technology ensures that the inner surface of the tip is smooth and reduces liquid residue.
- Carry out structural drawing and measurement according to the original adapter to ensure that the product has good air tightness and adaptability.
- Online testing equipment is used to control the size and concentricity of products in the production line.



Effective quality inspections are conducted for strict quality management and control per the client's needs, including tests for DNase, RNase, 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.

- **Online equipment testing (≤3%)**

Tests for Resistance and CV Values of Automation Conductive Tips.

## Clear Robotic Tips, Compatible with Agilent Systems

NEW



### Low-retention Tips, Boxed, Sterile

Low-retention tips are an excellent choice for transferring viscous liquid, which can effectively reduce the phenomenon of liquid hanging on the wall and make the experiment more accurate.

Cat.No.	Descriptions	/Pack	/Case
352003	30μL Robotic Tips for Agilent, Low-retention, Clear	384	19200
352103	70μL Robotic Tips for Agilent, Low-retention, Clear	384	19200
352203	250μL Robotic Tips for Agilent, Low-retention, Clear	96	4800
352213	250μL Robotic <b>Filter</b> Tips for Agilent, Low-retention, Clear	96	4800



### Boxed, Sterile

Cat.No.	Descriptions	/Pack	/Case
352002	30μL Robotic Tips for Agilent, Clear	384	19200
352102	70μL Robotic Tips for Agilent, Clear	384	19200
352202	250μL Robotic Tips for Agilent, Clear	96	4800
352212	250μL Robotic <b>Filter</b> Tips for Agilent, Clear	96	4800



# Automation/Robotic Tips

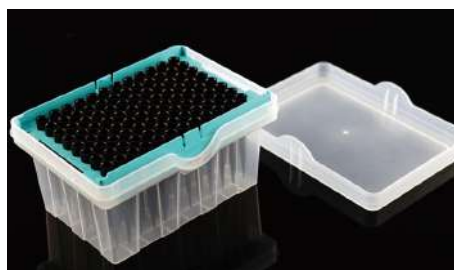
## Conductive Tips, Compatible with Tecan Systems

TECAN automation conductive tips may be used with the TECAN Freedom EVOlyzers and fully automatic sampling systems.



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

Cat.No.	Descriptions	/Pack	/Case
332002	50 µL Robotic Conductive Tips for Tecanr, Blister Packed	96*2	2304
332102	200 µL Robotic Conductive Tips for Tecanr, Blister Packed	96*2	2304
332202	1000 µL Robotic Conductive Tips for Tecanr, Blister Packed	96*2	2304
332012	50 µL Robotic Conductive <b>Filter</b> Tips for Tecanr, Blister Packed	96*2	2304
332112	200 µL Robotic Conductive <b>Filter</b> Tips for Tecanr, Blister Packed	96*2	2304
332212	1000 µL Robotic Conductive <b>Filter</b> Tips for Tecanr, Blister Packed	96*2	2304



### Boxed, 96 Tips/Pk, Sterile **NEW**

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

## Clear Robotic Tips, Compatible with Tecan Systems



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

Cat.No.	Descriptions	/Pack	/Case
332003	50 µl Robotic Tips for Tecan, Clear, Blister Packed	96*2	5760
332013	50 µl Robotic <b>Filter</b> Tips for Tecan, Clear, Blister Packed	96*2	5760
332103	200 µl Robotic Tips for Tecan, Clear, Blister Packed	96*2	5760
332113	200 µl Robotic <b>Filter</b> Tips for Tecan, Clear, Blister Packed	96*2	5760
332203	1000 µl Robotic Tips for Tecan, Clear, Blister Packed	96*2	3840
332213	1000 µl Robotic <b>Filter</b> Tips for Tecan, Clear, Blister Packed	96*2	3840



### Boxed, 96 Tips/Pk, Sterile

Cat.No.	Descriptions	/Pack	/Case
332007	50 µl Robotic Tips for Tecan, Clear, Boxed	96	4800
332017	50 µl Robotic <b>Filter</b> Tips for Tecan, Clear, Boxed	96	4800
332107	200 µl Robotic Tips for Tecan, Clear, Boxed	96	4800
332117	200 µl Robotic <b>Filter</b> Tips for Tecan, Clear, Boxed	96	4800
332207	1000 µl Robotic Tips for Tecan, Clear, Boxed	96	4800
332217	1000 µl Robotic <b>Filter</b> Tips for Tecan, Clear, Boxed	96	4800

# Automation/Robotic Tips

## Conductive Tips, Compatible with Hamilton Systems

Hamilton automation conductive tips may be used with these workstations: Hamilton Nimbus, Hamilton Starlet, Hamilton Star, Hamilton Vantage.



### Without Barcode, Blister Packed, 96 Tips/Pk, Sterile

NEST Cat.No.	Descriptions	/Pack	/Case
345002	50 µL Robotic Conductive Tips for Hamilton	96	2304
345102	300 µL Robotic Conductive Tips for Hamilton	96	2304
345202	1000 µL Robotic Conductive Tips for Hamilton	96	2304
345012	50 µL Robotic Conductive <b>Filter</b> Tips for Hamilton	96	2304
345112	300 µL Robotic Conductive <b>Filter</b> Tips for Hamilton	96	2304
345212	1000 µL Robotic Conductive <b>Filter</b> Tips for Hamilton	96	2304



With barcode means  
there is a barcode on the rack

### With Barcode, Blister Packed, 96 Tips\*5 Blisters/Pk, Sterile

Cat.No.	Descriptions	/Pack	/Case
345015	50 µL Robotic Conductive <b>Filter</b> Tips for Hamilton, with Barcode	96*5	5760
345005	50 µL Robotic Conductive Tips for Hamilton, with Barcode	96*5	5760
345115	300 µL Robotic Conductive <b>Filter</b> Tips for Hamilton, with Barcode	96*5	5760
345105	300 µL Robotic Conductive Tips for Hamilton, with Barcode	96*5	5760
345215	1000 µL Robotic Conductive <b>Filter</b> Tips for Hamilton, with Barcode	96*5	3840
345205	1000 µL Robotic Conductive Tips for Hamilton, with Barcode	96*5	3840



Blister packed, 96 Tips\*5 Blisters/pk

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

Cat.No.	Descriptions	/Pack	/Case
345013	50 µL Robotic Conductive <b>Filter</b> Tips for Hamilton, with Barcode	96	2304
345113	300 µL Robotic Conductive <b>Filter</b> Tips for Hamilton, with Barcode	96	2304
345213	1000 µL Robotic Conductive <b>Filter</b> Tips for Hamilton, with Barcode	96	2304



Blister packed, 96 Tips/Pk

### With Barcode, Boxed, 96 Tips/Pk, Sterile **NEW**

Cat.No.	Descriptions	/Pack	/Case
345069	50 µL Robotic Conductive <b>Filter</b> Tips for Hamilton, with Barcode	96	4800
345169	300 µL Robotic Conductive <b>Filter</b> Tips for Hamilton, with Barcode	96	4800
345269	1000 µL Robotic Conductive <b>Filter</b> Tips for Hamilton, with Barcode	96	4800



# Automation/Robotic Tips

## Clear Robotic Tips, Compatible with Hamilton Systems



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

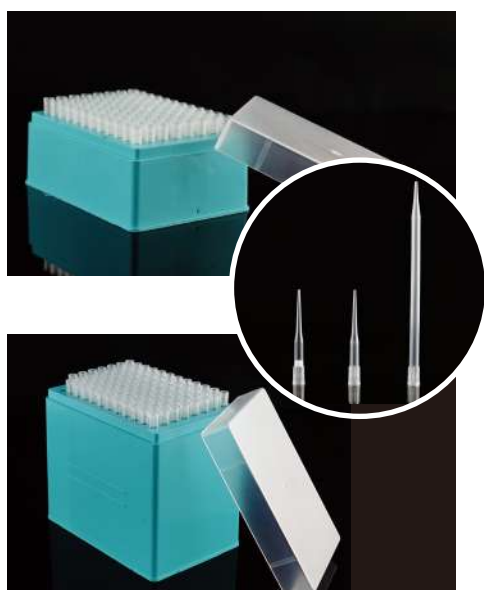
Cat.No.	Descriptions	/Pack	/Case
345503	50 µl Robotic Tips for Hamilton, Clear, with barcode	96	2304
345513	50 µl Robotic <b>Filter</b> Tips for Hamilton, Clear, with barcode	96	2304
345603	300 µl Robotic Tips for Hamilton, Clear, with barcode	96	2304
345613	300 µl Robotic <b>Filter</b> Tips for Hamilton, Clear, with barcode	96	2304
345703	1000 µl Robotic Tips for Hamilton, Clear, with barcode	96	2304
345713	1000 µl Robotic <b>Filter</b> Tips for Hamilton, Clear, with barcode	96	2304



### With Barcode, Boxed, 96 Tips/Pk, Sterile NEW

Cat.No.	Descriptions	/Pack	/Case
345509	50 µl Robotic Tips for Hamilton, Clear, with barcode	96	4800
345519	50 µl Robotic <b>Filter</b> Tips for Hamilton, Clear, with barcode	96	4800
345609	300 µl Robotic Tips for Hamilton, Clear, with barcode	96	4800
345619	300 µl Robotic <b>Filter</b> Tips for Hamilton, Clear, with barcode	96	4800
345709	1000 µl Robotic Tips for Hamilton, Clear, with barcode	96	4800
345719	1000 µl Robotic <b>Filter</b> Tips for Hamilton, Clear, with barcode	96	4800

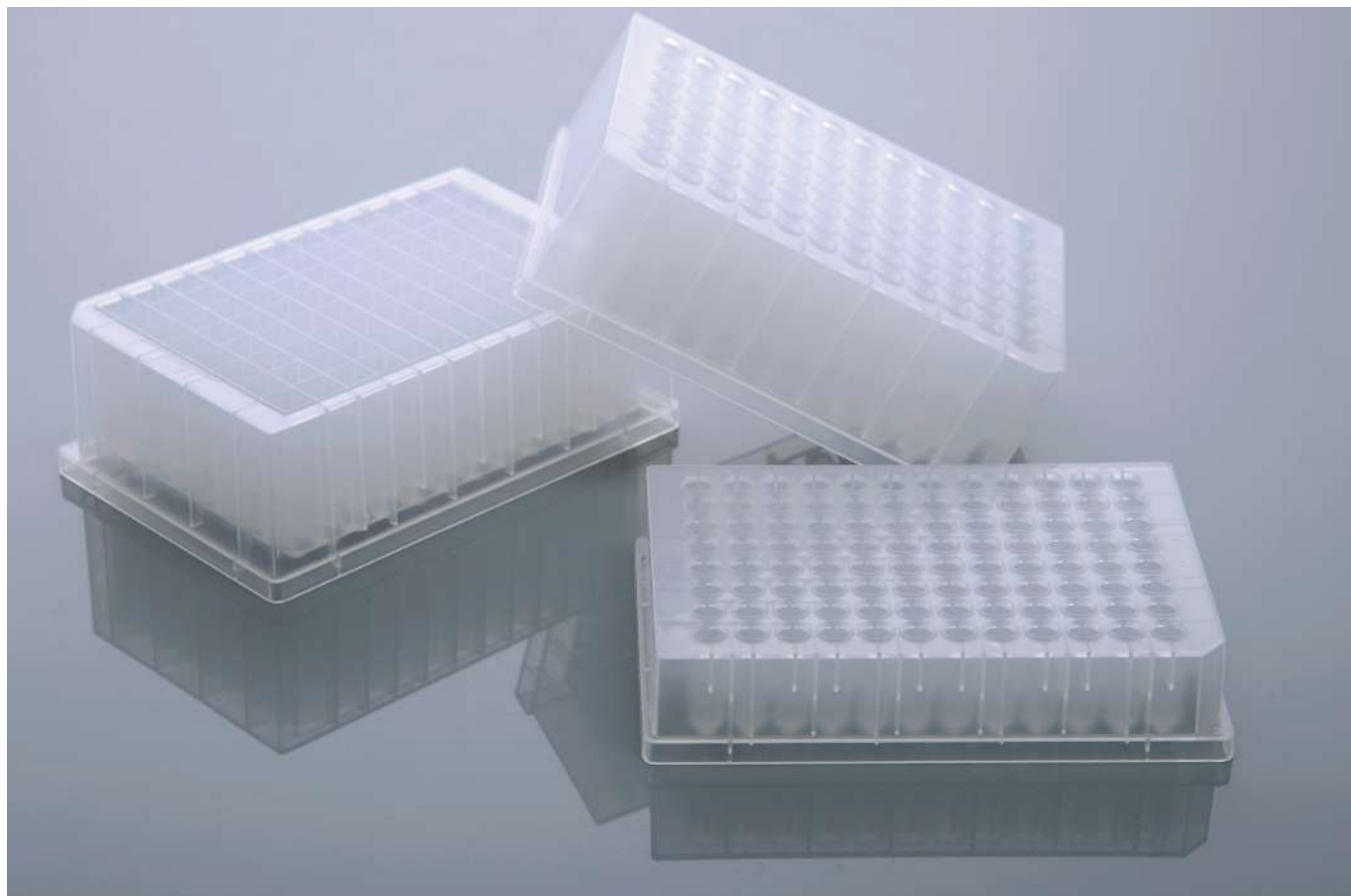
## Clear Robotic Tips, Compatible with Beckman Systems



### Boxed, 96 Tips/Pk, Sterile

Cat.No.	Descriptions	/Pack	/Case
317511	250 µL Robotic Tips for Beckman, Clear	96	4800
317011	1070 µL Robotic Tips for Beckman, Clear	96	4800
317501	190 µL Robotic <b>Filter</b> Tips for Beckman, Clear	96	4800
317101	1000 µL Robotic <b>Filter</b> Tips for Beckman, Clear	96	4800

# Deep Well Plates



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

- Made of high-quality, Class VI level PP material with high stability, can be used to store most types of organic solutions, acidic and alkaline solutions, etc.
- The dimension of deep well plates conforms to ANSI standard and international SBS standard, compatible with multi-channel pipette and automation equipment.
- Autoclavable at 20Psi, 121 °C for 20 minutes, great heating uniformity.
- Can be stored under the subzero temperature of 80 °C.
- Maximum sustainable centrifuge force from 3000g to 4000g. Uniform bottom, wells, and the thickness of the sidewall. The flat upper of the plates, easy to seal.
- Minimum residual liquid, low heavy metal content.
- Alphabetical sorting and cut angle mark for convenient tracking of samples.
- Each package has a separate article number/batch number identification, facilitating quality tracking. Can be sealed by three materials: self-adhesive sealing mat, silicone sealing mat, or heat-sealing film.
- Produced and packed in Class 100,000 clean workshop.
- Non-Pyrogenic, DNase/Rnase free.
- Wide applications, such as high-throughput screening (HTS), tissue culture, continuous dilution, reagent transfer, and nucleic acid extraction, etc.
- Optional sterilization methods: ethylene oxide (default), gamma-ray, electron beam.

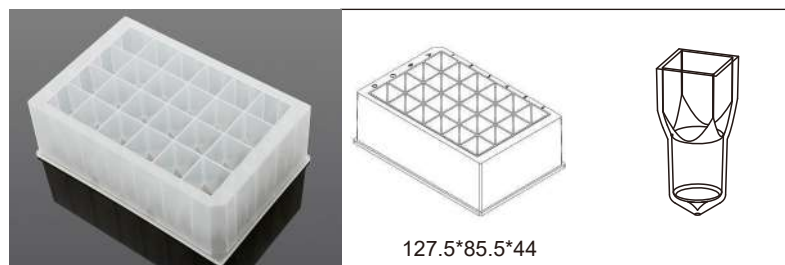
## Application

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.



# Square Well

# Deep Well Plates



## 10.4 ml 24-Well Deep Well Plate, V-Bottom, Square Well

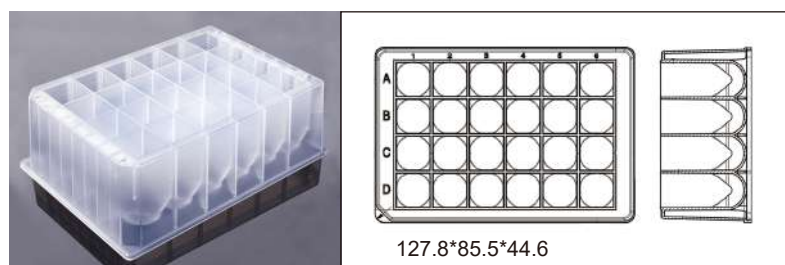
Non-sterile Cat.No. 504301

Sterile Cat.No. 504361

Packing 5/pk, 50/cs

Matching Mat Item: 506002/506062

**King Fisher Purification System Compatible**



## 10.4 ml 24-Well Deep Well Plate, U-Bottom, Square Well

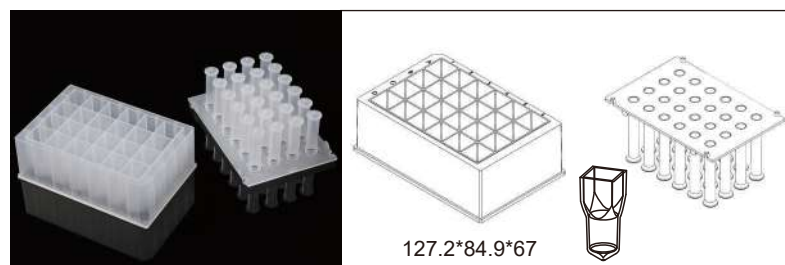
**NEW**

Non-sterile Cat.No. 504302

Sterile Cat.No. 504362

Packing 5/pk, 50/cs

Matching Mat Item: 506002/506062



## 16 ml 24-Well Deep Well Plates, V Bottom, Square Well, with 24 Well Plastic Comb

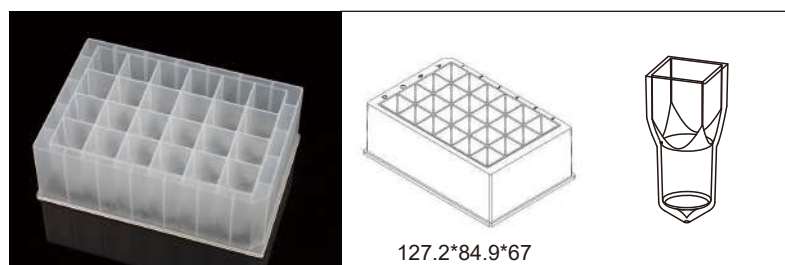
Non-sterile Cat.No. /

Sterile Cat.No. 510011

Packing 1/pk, 25/cs

Matching Mat Item: 506002/506062

**King Fisher Purification System Compatible**



## 16 ml 24-Well Deep Well Plates, V Bottom, Square Well

Non-sterile Cat.No. /

Sterile Cat.No. 510001

Packing 1/pk, 25/cs

Matching Mat Item: 506002/506062

**King Fisher Purification System Compatible**



## 4.6 ml 48-Well Deep Well Plate, U-Bottom, Square Well

Non-sterile Cat.No. 504002

Sterile Cat.No. 504062

Packing 5/pk, 50/cs

Matching Mat Item: 506102/506162

# Deep Well Plates Square Well



## 0.5 ml 96-Well Deep Well Plate, V Bottom, Square Well

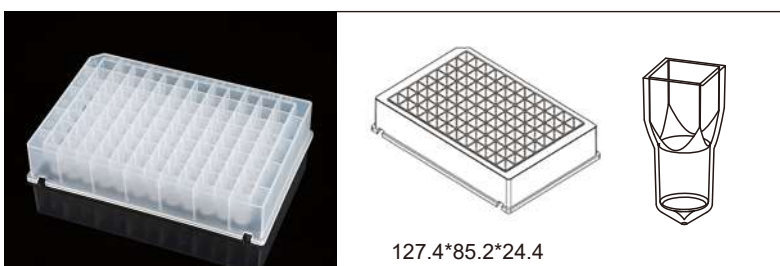
Non-sterile Cat.No. 500021

Sterile Cat.No. 500621

Packing 5/pk, 50/cs

Matching Mat Item: 506003/506063/506004/506064

**King Fisher Purification System Compatible**



## 1.0ml 96-Well Deep Well Plate, V-Bottom, Square Well

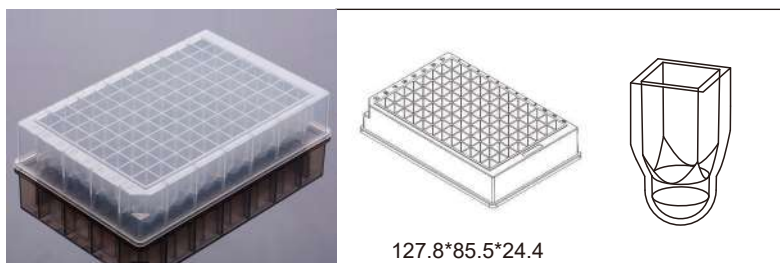
**NEW**

Non-sterile Cat.No. 501021

Sterile Cat.No. 501621

Packing 5/pk, 50/cs

Matching Mat Item: 506003/506063/506004/506064



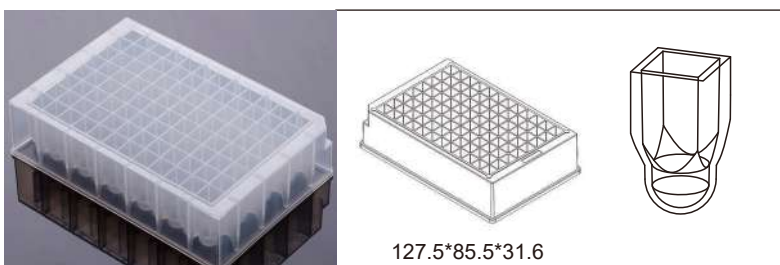
## 1.0 ml 96-Well Deep Well Plate, U-Bottom, Square Well

Non-sterile Cat.No. 501002

Sterile Cat.No. 501062

Packing 5/pk, 50/cs

Matching Mat Item: 506003/506063/506004/506064



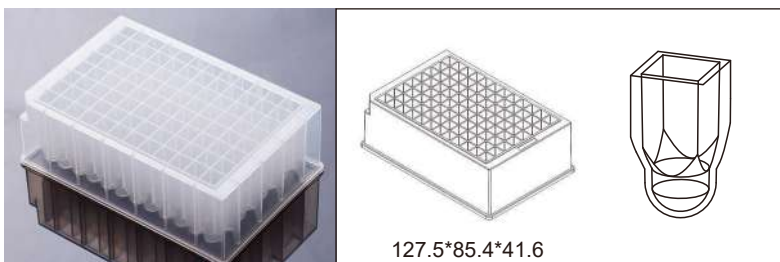
## 1.6 ml 96-Well Deep Well Plate, U-Bottom, Square Well

Non-sterile Cat.No. 502002

Sterile Cat.No. 502062

Packing 5/pk, 50/cs

Matching Mat Item: 506003/506063/506004/506064



## 2.2 ml 96-Well Deep Well Plate, U-Bottom, Square Well

Non-sterile Cat.No. 503002

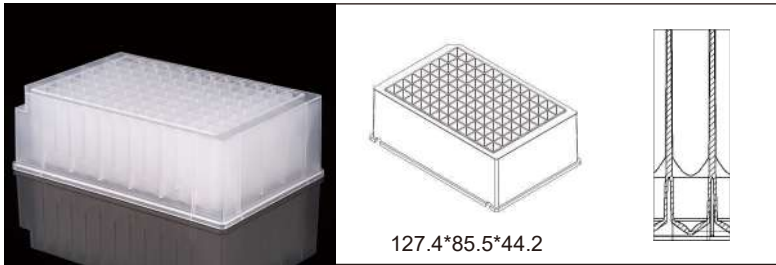
Sterile Cat.No. 503062

Packing 5/pk, 50/cs

Matching Mat Item: 506003/506063/506004/506064

# Square Well

# Deep Well Plates



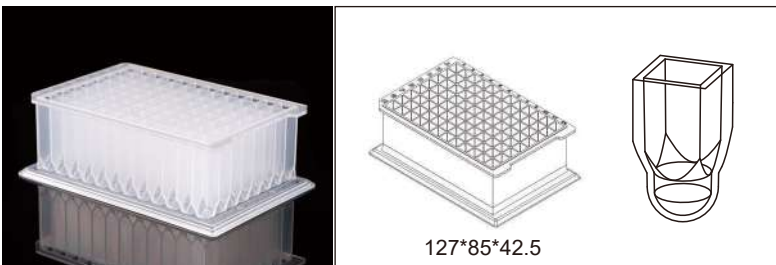
## 2.2 ml 96-Well Deep Well Plate, V-Bottom, Square Well

Non-sterile Cat.No. 503001

Sterile Cat.No. 503501

Packing 5/pk, 50/cs

Matching Mat Item: 506003/506063/506004/506064



## 2.2 mL 96-Well Deep Well Plate, I-Shaped, U-Bottom, Square Well

**NEW**

Non-sterile Cat.No. 503711

Sterile Cat.No. 503761

Packing 5/pk, 50/cs

Matching Mat Item: 506003/506063/506004/506064



## 2.2 ml 96-Well Deep Well Plate, V Bottom, Square Well

Non-sterile Cat.No. 503021

Sterile Cat.No. 503621

Packing 5/pk, 50/cs

Matching Mat Item: 506003/506063/506004/506064

**King Fisher Purification System Compatible**



## 120 ul 384 well Deep Well Plates, V Bottom, Square Well

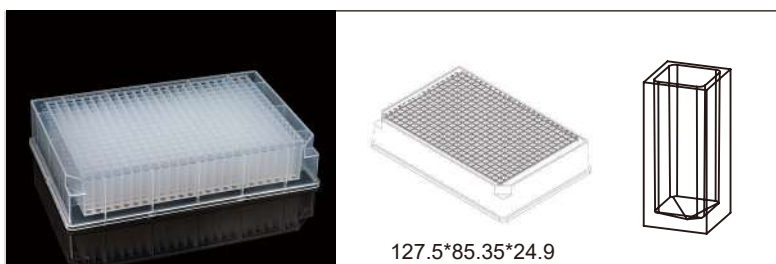
**NEW**

Non-sterile Cat.No. 504701

Sterile Cat.No. 504761

Packing 5/pk, 50/cs

Matching Mat Item: 506001/506061



## 240 ul 384 well Deep Well Plates, V Bottom, Square Well

**NEW**

Non-sterile Cat.No. 504703

Sterile Cat.No. 504763

Packing 5/pk, 50/cs

Matching Mat Item: 506001/506061

# Deep Well Plates Round Well



## 0.36 ml 96-Well Deep Well Plate, V-Bottom, Round Well

Non-sterile Cat.No. 500101

Sterile Cat.No. 500161

Packing 5/pk, 50/cs

Matching Mat Item: 506005/506065



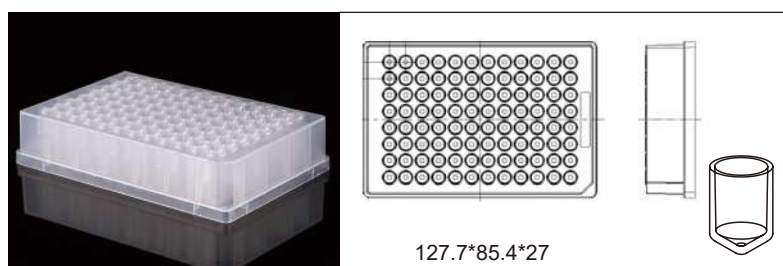
## 0.4 ml 96-Well Deep Well Plate, U-Bottom, Round Well

Non-sterile Cat.No. 501102

Sterile Cat.No. 501162

Packing 10/pk, 50/cs

Matching Mat Item: 506005/506065



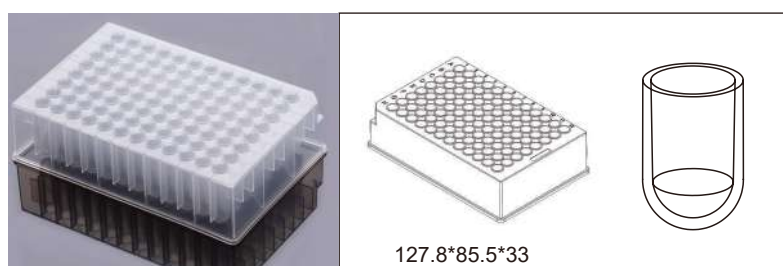
## 0.5 ml 96-Well Deep Well Plate, V-Bottom, Round Well

Non-sterile Cat.No. 501101

Sterile Cat.No. 501601

Packing 5/pk, 50/cs

Matching Mat Item: 506005/506065



## 1.0 ml 96-Well Deep Well Plate, U-Bottom, Round Well

Non-sterile Cat.No. 502102

Sterile Cat.No. 502162

Packing 5/pk, 50/cs

Matching Mat Item: 506005/506065



## 1.1 ml 96-Well Deep Well Plate, U-Bottom, Round Well

**NEW**

Non-sterile Cat.No. 502202

Sterile Cat.No. 502262

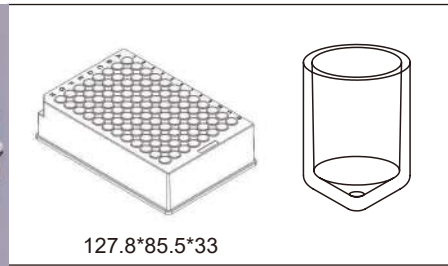
Packing 5/pk, 50/cs

Matching Mat Item: 506005/506065



## Round Well

## Deep Well Plates



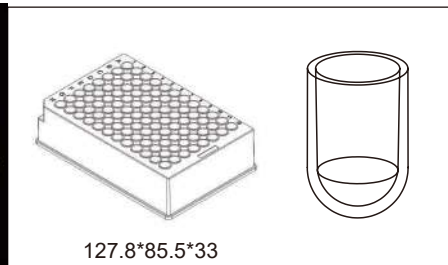
### 1.3 ml 96-Well Deep Well Plate, V-Bottom, Round Well

Non-sterile Cat.No. 502101

Sterile Cat.No. 502601

Packing 5/pk, 50/cs

Matching Mat Item: 506005/506065



### 1.3 ml 96-Well Deep Well Plate, U-Bottom, Round Well

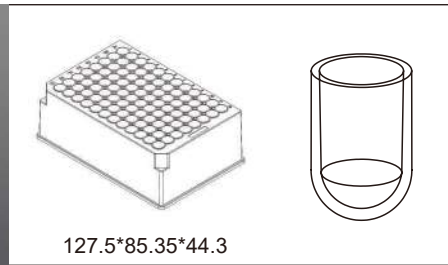
**NEW**

Non-sterile Cat.No. 507001

Sterile Cat.No. 507101

Packing 5/pk, 50/cs

Matching Mat Item: 506005/506065



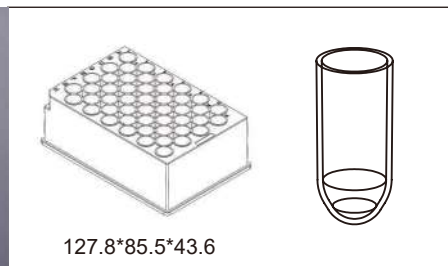
### 2.0 ml 96-Well Deep Well Plate, U-Bottom, Round Well

Non-sterile Cat.No. 503102

Sterile Cat.No. 503162

Packing 5/pk, 50/cs

Matching Mat Item: 506006/506066



### 3.5 ml 48-Well Deep Well Plate, U-Bottom, Round Well

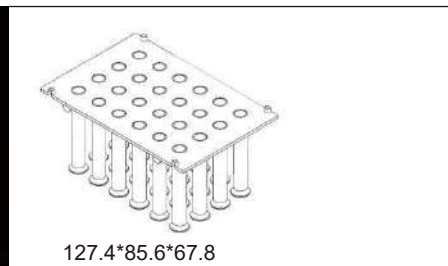
Non-sterile Cat.No. 504102

Sterile Cat.No. 504162

Packing 5/pk, 50/cs

No Matching Mat Yet

## Plastic Comb



### 24 Well Plastic Comb Compatible with 510001, 16ml 24-Well Plate

Non-sterile Cat.No. /

Sterile Cat.No. 509001

Packing 1/pk, 25/cs

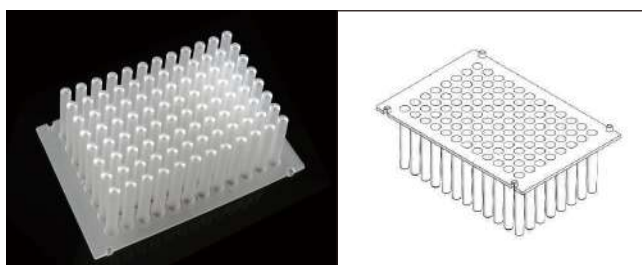
# Deep Well Plates Accessories

## Plastic Comb



### 8-strip Plastic Comb, Compatible with 503711 & 503761

Non-sterile Cat.No.	509211
Sterile Cat.No.	509261
Packing	2/pk, 50/box, 500/cs



### 96 Tip Combs for Magnetic Applications

Non-sterile Cat.No.	503311
Sterile Cat.No.	503361
Packing	2/pk, 50/cs

King Fisher Purification System Compatible

## Sealing Film



### Aluminum Sheet for Deep Well Plates & PCR Plates

NEW

#### Features

- Widely used in sealing of plates and PCR for liquid store.
- 100% leakage, heat sealing technology has been proved superior to other sealing methods.
- Effectively used for long-distance transportation, with low temperature sterilization.
- No adhesives, avoid contamination of samples.
- Not easily dissolved by organic solvents, such as DMSO.
- Easy to peel.

Cat.No.	520002	Thickness	0.18 mm
Temp/Time	170~175°C, 4~5s	Packing	100/pk
Size	125*84 mm		

Should use with heat sealing instruments.

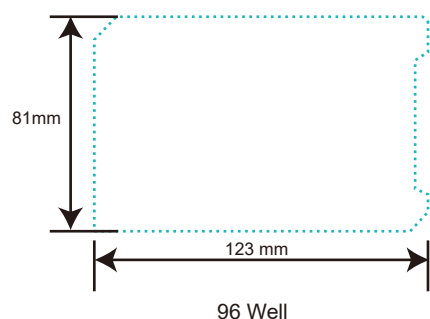
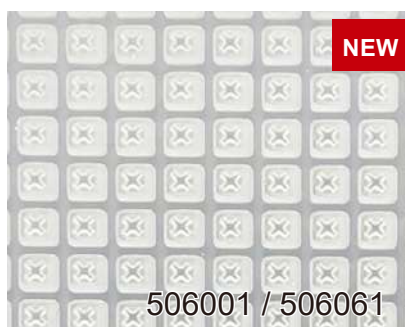
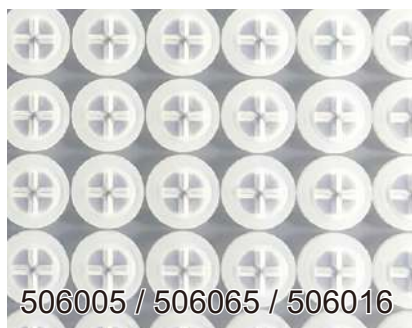


### Adhesive Sealing Film for Deep Well Plates

NEW

Cat.No.	520001	Thickness	0.18 mm
Temp/Time	/	Packing	100/pk
Size	144*87 mm		

Can be used directly.



## Features of Silicone Sealing Mat

- The product is easy to open and close, and can effectively seal the deep well plate, which is convenient for operation and saves time.
- Good sealing performance can prevent the volatilization of a variety of solvents.  
Withstand a wide temperature range (- 50 °C - 200 °C) and is suitable for various experiments.
- Excellent chemical corrosion resistance and is used for low-temperature preservation.
- The pre-opening design allows the pipette tip to enter the hole without damage to the silicone sealing mat cover.

## Silicone Sealing Mat

Non-sterile Cat.No.	Sterile Cat.No.	Description	/Pack	/Case
506002	506062	24 Well Square well Silicone Sealing Mat <b>NEW</b>	10	50
506102	506162	48 Well Square well Silicone Sealing Mat <b>NEW</b>	10	50
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
506016	/	96 Well Round well Silicone Sealing Mat, pre-slit, 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 be punctured	10	50
506001	506061	384 Well Square well Silicone Sealing Mat <b>NEW</b>	10	50

# PCR Tubes & Caps

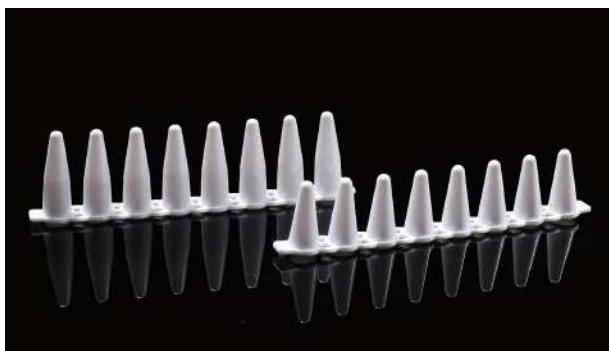
## Features

- 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 Tubes, White

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



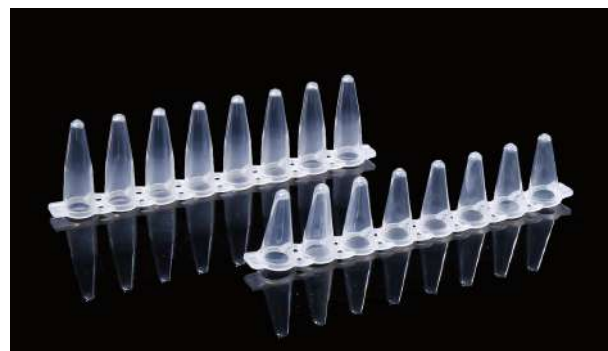
## PCR 8-strip Tube Caps

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



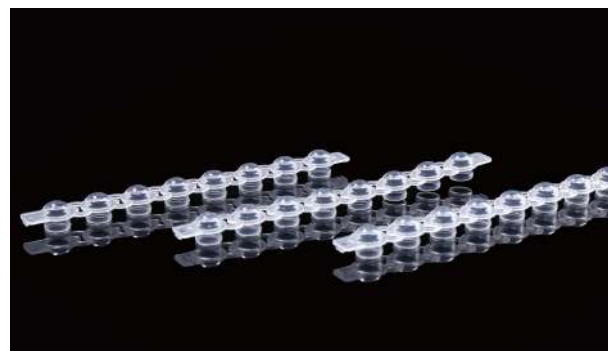
## PCR 8-strip Tubes with Individual Caps Attached

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



## PCR 8-strip Tubes, Transparent

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



## PCR 8-strip Tube Caps

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





When using a thermal cycler with 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

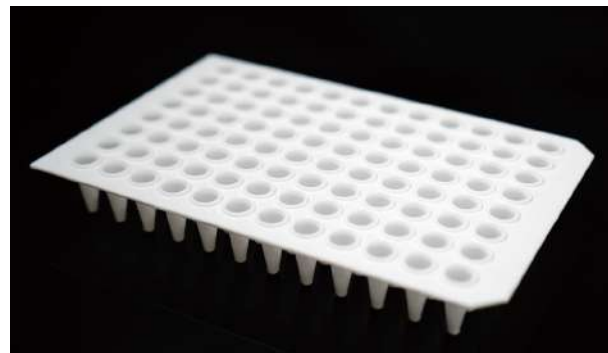
- Made of high quality polypropylene to ensure minimal loss of reaction solution.
- Flat surface, thick and solid, not easy to deform.
- Elevated edge of the hole can better prevent cross contamination.
- Compatible with NEST pressure sensitive film, self-adhesive film and hot sealing film.
- Autoclavable.

# PCR Plates

## 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

## Roche Lightcycler Compatibility Chart

Brand	Cat.No.			
	Instrument Model	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 Plates, No Skirt

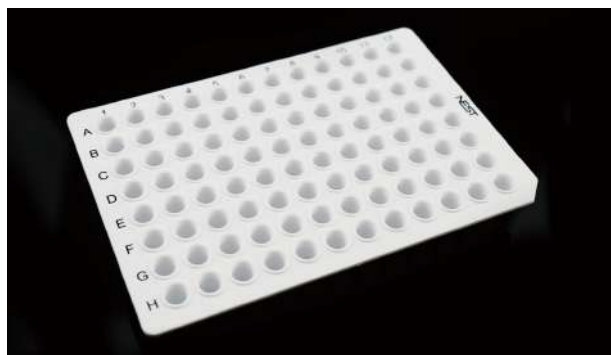
The low profile design minimizes the condensate contamination and evaporation of reaction solution.



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

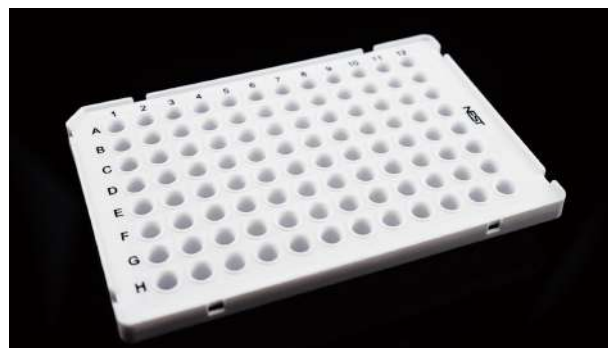
# PCR Plates

## 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	403002/404001				404001/403022	402001	402301					402601	
	9600	403002/404001				404001/403022	402001	402301					402601	
	9700	403002/404001				404001/403022	402001	402301					402601	
	9800Fast		403102/403122							402401	402101			
	Veriti/Fast		403102/403122				402001	402301		402401	402101		402601	
	7000	403002/404001			403012/403032	404001/403022	402001	402301					402601	
	7300	403002/404001			403012/403032	404001/403022	402001	402301					402601	
	7500/Fast	403002/404001	403102/403122		403012/403032	404001/403022	402001	402301		402401	402101		402601	
	7700	403002/404001				404001/403022	402001	402301					402601	
	7900HT/Fast	403002/404001	403102/403122			404001/403022	402001	402301		402401	402101		402601	
	StepOne		403102/403122	403112/403132						402401	402101	402812		
	StepOnePlus		403102/403122	403112/403132						402401	402101	402812		
	ProflexPCRSysytem	401001	403002/404001				404001/403022	402001	402301				402601	
	QuantStudio 12K	401001	403002/404001				404001/403022	402001	402301				402601	
ViiA7/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		
Eppendorf®	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					
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Mastercycler nexus flat eco	401001	403002/404001				404001/403022								

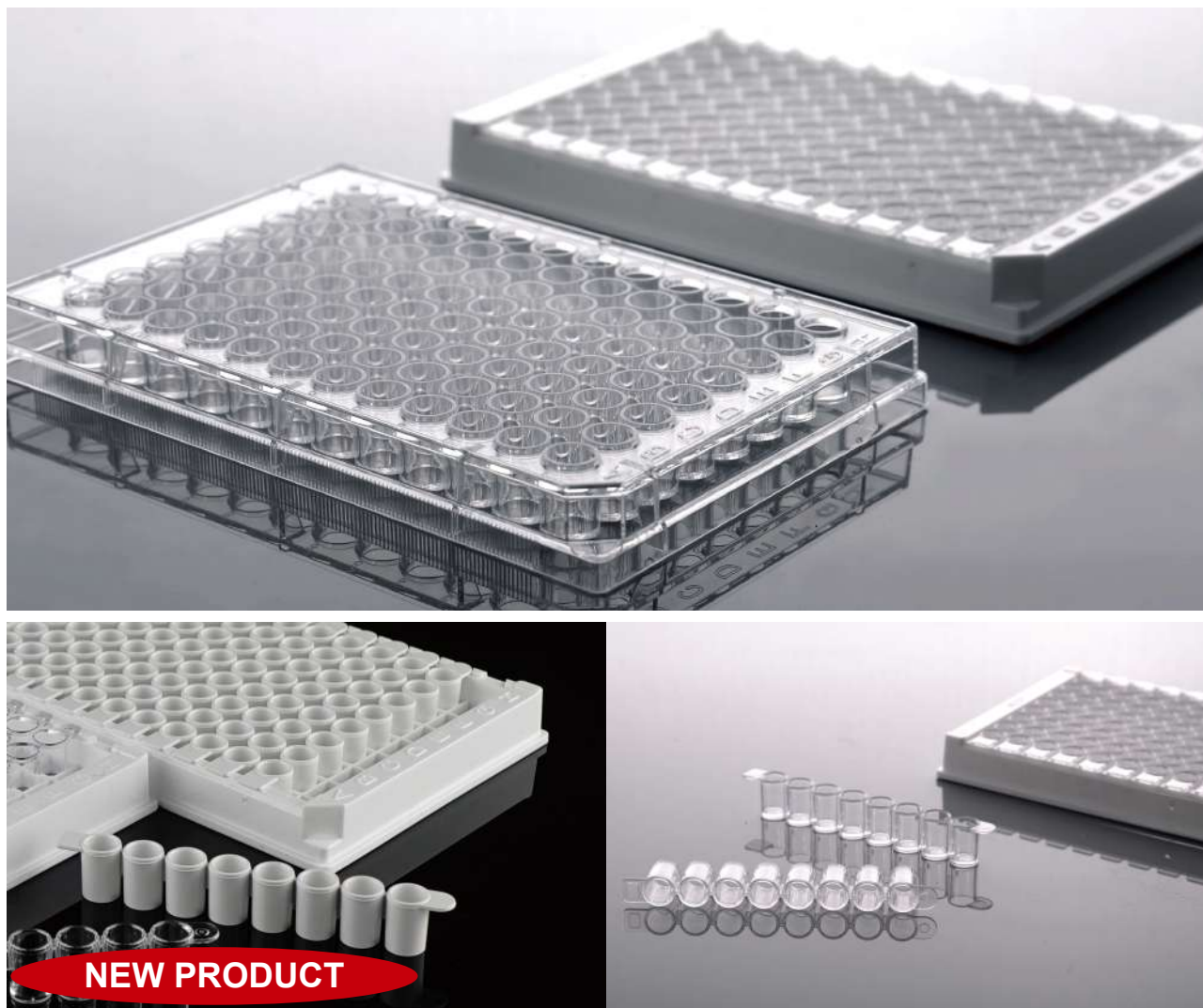
Eppendorf®	Mastercycler nexus gradient	401001	403002/404001					404001/403022	402001	402301	402501					
	Mastercycler nexus gradient eco	401001	403002/404001					404001/403022	402001	402301	402501					
	Mastercycler nexus GSX1	401001	403002/404001					404001/403022	402001	402301	402501					
	Mastercycler 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								
Techne®	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				404001/403022	402001	402301	402501		402101			
	Touchgene®X	401001	403002/404001	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					
Analytik Jena/ Biometra	FlexCycler	401001	403002/404001	403102/403122				404001/403022	402001	402301	402501		402101			
	T1 Thermal Cycler	401001	403002/404001	403102/403122				404001/403022	402001	402301	402501		402101			
	TGradient	401001	403002/404001	403102/403122				404001/403022	402001	402301	402501		402101			
	Tpersonal	401001	403002/404001	403102/403122				404001/403022	402001	402301	402501		402101			
	TPProfessional/Basic	401001	403002/404001	403102/403122				404001/403022	402001	402301	402501		402101			

Analytik Jena/ Biometra	TPProfessional/Standard	401001	403002/404001	403102/403122				404001/403022	402001	402301	402501		402101			
	TPProfessional/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 <sup>2</sup>	401001	403002/404001						402001	402301	402501					
	TOptical	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					
Biorad®/ MJ Research®	Engine Tetrad®2	401001	403002/404001					404001/403022	402001	402301	402501					
	MyCycler™	401001	403002/404001					404001/403022	402001	402301	402501					
	PTC-100®	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					
	MxIQ™	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		

Thermo Hybrid	Multiblock System	401001	403002/404001	403102/403122				404001/403022	402001	402301	402501		402101			
	T1 Thermal Cycler	401001	403002/404001	403102/403122				404001/403022	402001	402301	402501		402101			
	Omr-E	401001	403002/404001	403102/403122				404001/403022	402001	402301	402501		402101			
	Omnigene	401001	403002/404001	403102/403122				404001/403022	402001	402301	402501		402101			
	PCR Express	401001	403002/404001	403102/403122				404001/403022	402001	402301	402501		402101			
	PCR Sprint	401001	403002/404001					404001/403022								
	Px2	401001	403002/404001	403102/403122				404001/403022	402001	402301	402501		402101			
	PxE	401001	403002/404001	403102/403122				404001/403022	402001	402301	402501		402101			
	Touchdown	401001	403002/404001	403102/403122				404001/403022	402001	402301	402501		402101			
	Deltacycler I	401001	403002/404001	403102/403122				404001/403022	402001	402301			402101			
Ericom	Single Block	401001	403002/404001	403102/403122				404001/403022	402001	402301			402101			
	Twin Block	401001	403002/404001	403102/403122				404001/403022	402001	402301			402101			
	Mx3000®	401001	403002/404001						402001	402301						
	Mx3000P®	401001	403002/404001						402001	402301						
Stratagene	Mx3005®	401001	403002/404001						402001	402301						
	Mx4000®	401001	403002/404001						402001	402301						
	SureCycler®8800	401001	403002/404001	403102/403122				404001/403022	402001	402301	402501	402401				
	ARIA MX G8830A				403112/403132								402812			
Qiagen®	Flexigene®	401001	403002/404001					404001/403022	402001	402301	402501					
	Rotor-Gene® Q	401001						404001/403022								
	Primus 96	401001	403002/404001	403102/403122					402001	402301	402501		402101			
PeqLab®	peqSTAR 96	401001	403002/404001					404001/403022	402001	402301	402501					
SensoQuest	Thermocycle 96	401001	403002/404001						402001	402301	402501					
Stratagene	Robocycler	401001	403002/404001					404001/403022	402001	402301	402501					
Takara®	TP240	401001	403002/404001						402001	402301	402501					
	天隆TL988-IV				403112/403132											
	TP3000	401001	403002/404001	403102/403122				404001/403022	402001	402301	402501		402101			
Amersham®GE®	MegaBACE®500									402301	402501					
	MegaBACE 1000									402301	402501					402201
Beckman Coulter®	CEQ™									402301						
Transgenomic	WAVE®System									402301	402501					



# ELISA Plates



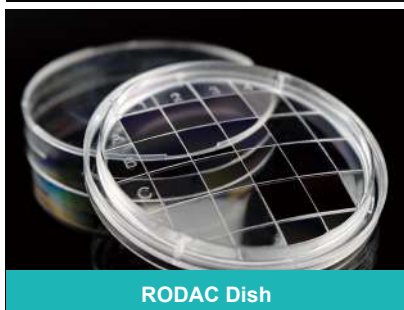
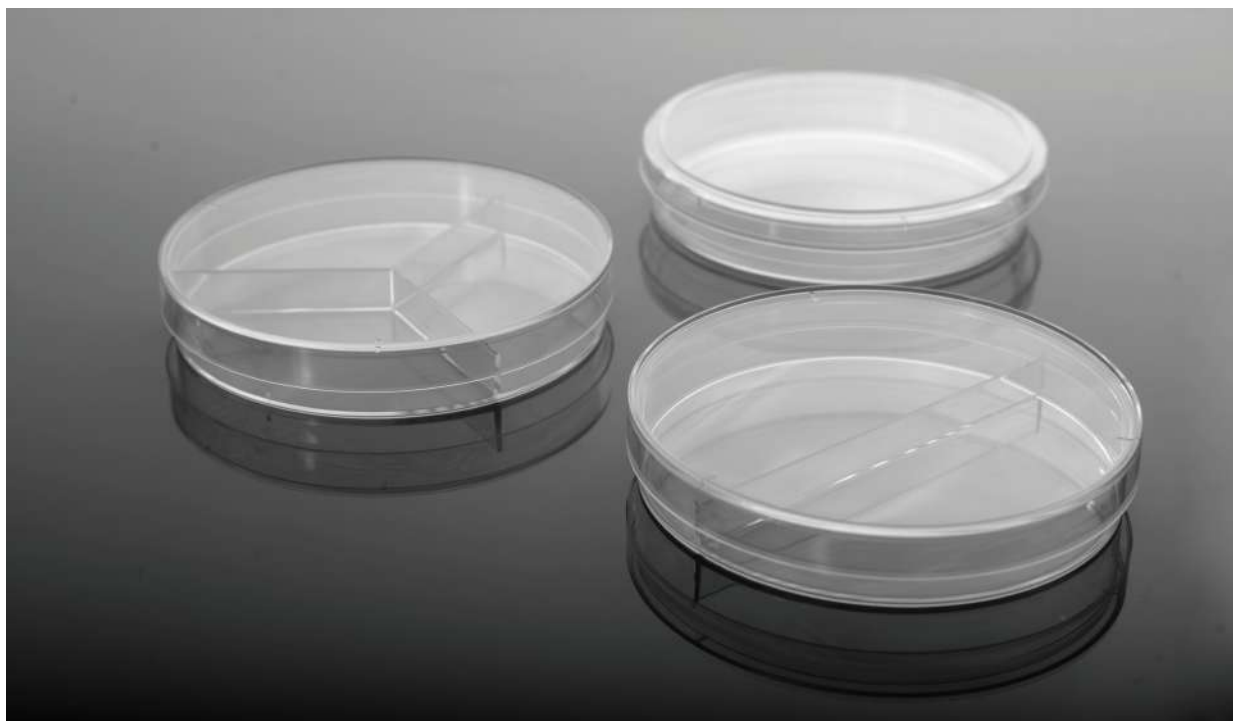
NEST ELISA plates can be widely used in enzyme-linked immunosorbent assay, immunological reaction of antigen and antibody, labeled antibody, antigen purity, concentration and ratio, protein adsorption detection, etc.

## Features

- Made of polystyrene.
- Conform to SBS/ ANSI.
- Both detachable and undetachable plates are available.
- Flat and clear bottom.
- Excellent well uniformity, CV <5%
- Non-sterile, DNase/RNase and Human DNA Free, Non-pyrogenic

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 <b>NEW</b>	96 Well ELISA Plate, Detachable, High Binding, White Frame & White Well	5	50

# Petri Dishes



RODAC 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.
- Flat, transparent surface.
- Stackable for easy storage and handling.
- Sterilized by E-beam, SAL=10<sup>-6</sup>.
- 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

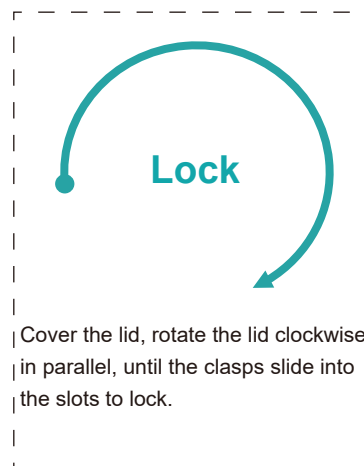
**NEW**

# Petri Dishes with Locks

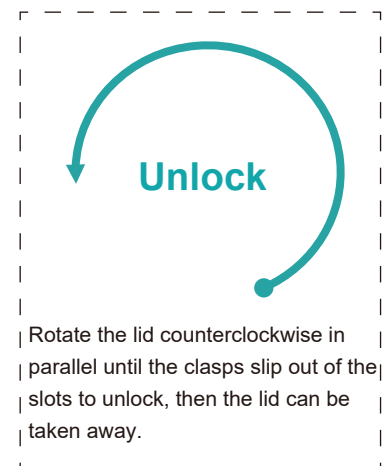


## Parallel Sliding Clasps Design

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.



Cover the lid, rotate the lid clockwise in parallel, until the clasps slide into the slots to lock.



Rotate the lid counterclockwise in parallel until the clasps slip out of the slots to unlock, then the lid can be taken away.

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.
- EO Sterilized.
- Smooth and flat surface that solves problems such as contamination or uneven application of spread plate in bio-labs;
- Length of handle: 144mm, diameter 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 Needles / Loops



### 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



# Reagent Reservoirs



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



8 Channel



12 Channel



96 Channel



384 Channel

Non-Sterile Cat.No.	Sterile Cat.No.	Description	/Pack	/Case
360101	360161	Reservoir, Multi Well, 8 Channel Troughs, High Profile (22mL, No Cap)	5	50
360102	360162	Reservoir, Multi Well, 12 Channel Troughs, High Profile (15mL, No Cap)	5	50
360103	360163	Reservoir, Single Well, 96 Channel Troughs, High Profile (195mL, No Cap)	5	50
360104	360164	Reservoir, Single Well, 384 Channel Troughs, High Profile (195mL, No Cap)	5	50

# PET/PETG Square Media Bottles



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

- 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.
- Sterilized by E-beam, SAL=10<sup>-6</sup>.
- DNase/RNase/Pyrogen free.
- 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.
- Temperature Range: from -80 °C to 50 °C.

	PETG Cat.No.	PET Cat.No.	Description	/Pack	/Case
NEW PRODUCTS	354511	/	60mL Square Shape Media Bottle	6	48
	353511	353611	125mL Square Shape Media Bottle	6	48
	352511	352611	250mL Square Shape Media Bottle	6	48
	333511	333001	500mL Square Shape Media Bottle	4	24
	334511	334001	1000mL Square Shape Media Bottle	4	12

Note: do not autoclave.

# PETG Media Bottles & Transfer Caps

NEST closed system solutions achieves a closed transfer of liquids, where culture medium or cells are aseptically transferred to a cell culture bag, bioreactor or large shake flask directly through the tubing connection. It greatly reduces the risks of exogenous contamination during drug development and production process, shortens the time of customers for tubing design, assembly and sterilization, and improves production efficiency.

## Features



- 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<sup>-6</sup>.
- Endotoxin-free, and no ingredients of animal origin.
- Individually packaged in sterile bag.

## Bi-directional Liquid Transfer Cap System **NEW**



### Description:

An Adaptor Cap Connected to a Filter (0.22µm, φ24mm), a TPE External Liquid Transfer Tube (60cm 1/4" ID 3/8" OD) with a Tube Clamp, a Female Luer Connector and a Luer Cap, a PTFE Internal Liquid Transfer Tube (1/6" ID, 1/4" OD).

Compatibility	External Liquid Transfer Tube		Internal Liquid Transfer Tube	
	Dia.	Length	Dia.	Length
For 250mL Bottles	TPE Tube 1/4" ID, 3/8" OD	60 cm	PTFE Tube 1/6" ID, 1/4" OD	15 cm
For 500mL Bottles		60 cm		18.5 cm
For 1000mL Bottles		60 cm		23 cm

## • Both with or without media bottles are available!

With bottles mean PETG media bottles, pre-installed with transfer caps.

Without bottles mean the products only transfer caps, and there are no bottles.

Without Bottles Cat.No.	With PETG Bottles Cat.No.	Compatibility Volume	/Pack	/Case
C50921-BHB060B	C50921-BHB060A	Compatible with 250 mL Media Bottles	1	10
C51021-BHB060B	C51021-BHB060A	Compatible with 500 mL Media Bottles	1	10
C51121-BHB060B	C51121-BHB060A	Compatible with 1000 mL Media Bottles	1	10

# Round Storage Bottles

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 and other areas. Improvement of the quality of product packaging helps to improve the company image and brand value, let 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, 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 sterile plastic bottles are sterilized using GAMMA-ray.
- Introduction of imported digital-controlled production equipment with high precision; the products have fine details and comfortable touch, 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 Vials



## Features

- 6 vial cap colors (blue, red, yellow, purple, green and white).
- The vial cap color corresponds to the product code, which means that each code indicates a color.
- Made of transparent polymer polypropylene (PP).
- Special knurling design enables the vial to be stuck in the special base and tightened with a single hand.
- The flexible O-ring in the screw cap ensures safe closure of the micro spiral vial and a sound sealing effect.
- Maximum resistance to the centrifugal force reaching 20000xg.
- Electron Beam Sterilization, SAL=10<sup>-6</sup>
- No chemical residues.
- 100,000-level Clean Workshop Production.
- DNase-free, RNase-free, pyrogen-free, endotoxin-free.



Six Cap Colors



## External Thread, with Sealing Ring

Cat.No.	Description	/Pack	/Case
633001-N	0.5 mL Self-Standing Vials, Natural Color Caps, Sterile	5	2000
634001-N	1.5 mL Self-Standing Vials, Natural Color Caps, Sterile	5	2000
635001-N	2.0 mL Self-Standing Vials, Natural Color Caps, Sterile	5	2000
634101-N	1.5 mL Conical Vials, Natural Color Caps, Sterile	5	2000

Other color caps are available at the same price with the same packaging.  
 -B Blue Caps; -R Red Cpas; -Y Yellow Caps; -P Purple Caps; -G Green Caps.



## External Thread, Hinged Cap with Sealing Ring

Cat.No.	Description	/Pack	/Case
633011-N	0.5 mL Self-Standing Vials, Natural Color Caps, Sterile	5	2000
634011-N	1.5 mL Self-Standing Vials, Natural Color Caps, Sterile	5	2000
635011-N	2.0 mL Self-Standing Vials, Natural Color Caps, Sterile	5	2000
634111-N	1.5 mL Conical Vials, Natural Color Caps, Sterile	5	2000

Other color caps are available at the same price with the same packaging.  
 -B Blue Caps; -R Red Cpas; -Y Yellow Caps; -P Purple Caps; -G Green Caps.

# Nitrile Examination Gloves



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  $\pm$  0.03
- 510K registered

## Nitrile Powder Free Examination Gloves

Cat.No.	Size	Palm Width (mm) $\pm$ 4 mm	Length (mm)	/Pack	/Case
902001	XS	76	Min 230mm (ASTM)	100	1000
902011	S	86		100	1000
902021	M	98		100	1000
902031	L	107		100	1000
902041	XL	115		90	900

## Colloidal Oatmeal Coated Nitrile Gloves

### 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) $\pm$ 4 mm	Length (mm)	/Pack	/Case
903011	S	84	Min 230mm (ASTM)	100	1000
903021	M	94		100	1000
903031	L	105		100	1000

# Latex Examination Gloves



Latex Powder Free Examination Gloves



Colloidal Oatmeal Coated Latex Gloves



## Features

- Single use only, powder free
- Made in Malaysia
- Non-Sterile
- Tensile Strength: Minimum 18.0 MPa (Before Aging)
- Palm thickness: 0.11 mm  $\pm$  0.03
- 510K registered

## Latex Powder Free Examination Gloves

Cat.No.	Size	Palm Width (mm) $\pm$ 4 mm	Length (mm)	/Pack	/Case
901001	XS	74	Min 230mm (ASTM)	100	1000
901011	S	84		100	1000
901021	M	94		100	1000
901031	L	105		100	1000
901041	XL	114		90	900

## Colloidal Oatmeal Coated Latex Gloves

### Oats Extractions

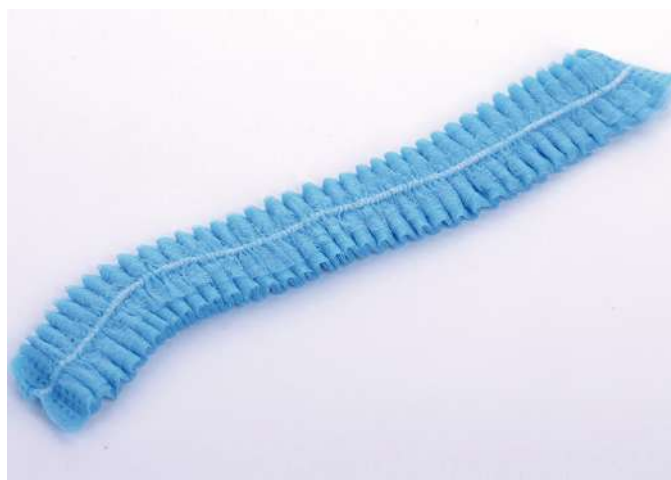
Oats extractions is a patented coating recognized by the FDA as a skin protectant. Clinical studies have shown that colloidal oatmeal could reduce and control rash, dry skin.

Cat.No.	Size	Palm Width (mm) $\pm$ 4 mm	Length (mm)	/Pack	/Case
904011	S	84	Min 230mm (ASTM)	100	1000
904021	M	94		100	1000
904031	L	105		100	1000

## Non-woven Masks



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 Caps

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



## Disposable PP Non-woven Shoe covers

Cat. No.	Size(cm)	/Pack	/Case
923001	42 * 17	100	1000



# Disposable Sampler



AMIES Transport Medium



Universal Transport Medium



Viral Transport Medium



Inactivation Transport Medium



Saline Solution

# Three Types of Swabs

## 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

Breakpoint

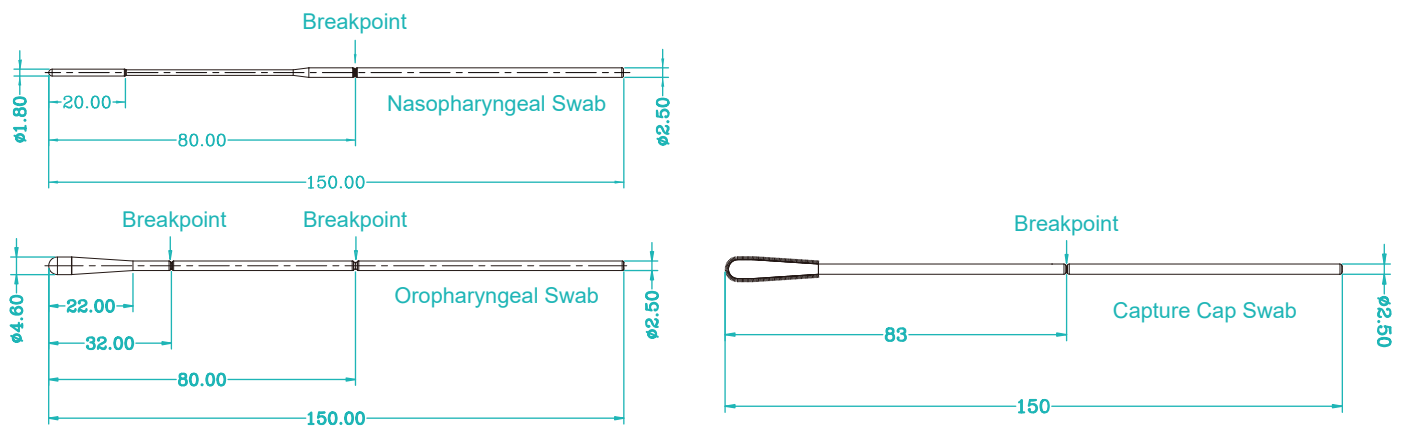
### Oropharyngeal Swab

Breakpoint

Breakpoint

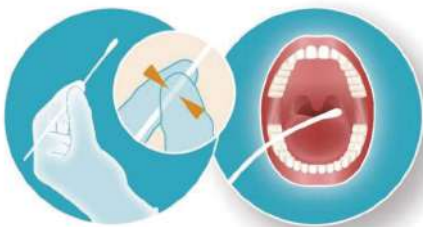
### Capture Cap Swab

Breakpoint



Cat.No.	Descriptions	/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



**FDA EUA Authorized**

## Features of Viral Transport Medium

- 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.

## Disposable Samplers, Professional Using



Cat.No.	Description	/Pack	/Case
202011	Disposable Sampler, 5 mL Vial with 2.5 mL VTM, with Individually Wrapped and Sterile Oral 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 NP Swab, 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 Oral Swab, 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 NP Swab, 1 Vial + 1 NP Swab/pk, 100 pk/cs	1	100
202061	Disposable Sampler, 10 mL Vial with 3 mL VTM, with Individually Wrapped and Sterile Oral 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 NP Swab, 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 Oral Swab, 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 NP Swab, 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 Oral & NP 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 Oral & NP Swabs, 1 Vial + 1 NP Swab/pk & 1 Oral 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

## Disposable Sampler Kits, Self-sampling Kits

**NEW Products**

Each kit contains 4 stickers with the same barcode. One for the vial, one for the specimen bag, one for the IFU, and one for extra use.



Cat.No.	Description	/Pack	/Case
202181	5 mL Vial with 2.5 mL VTM, with Individually Wrapped and Sterile Swab, 1 Specimen bag, and 4 Stickers with the Same Barcode	1	100
202182	10 mL Vial with 3 mL VTM, with Individually Wrapped and Sterile Swab, 1 Specimen bag, and 4 Stickers with the Same Barcode	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 of Saline Transport Medium

- 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.

## Disposable Samplers, Professional Using

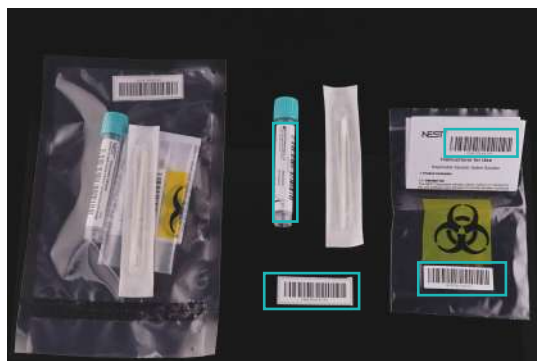


Cat.No.	Description	/Pack	/Case
202041	Disposable Sampler, 5 mL Vial with 1.2 mL Saline Solution, with Individually Wrapped and Sterile Oral Swab, 10 Vials/pk, 50 Vials + 50 Swabs/cs	10	50
202045	Disposable Sampler, 5 mL Vial with 1.2 mL Saline Solution, with Individually Wrapped and Sterile NP Swab,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

## Disposable Sampler Kits, Self-sampling Kits

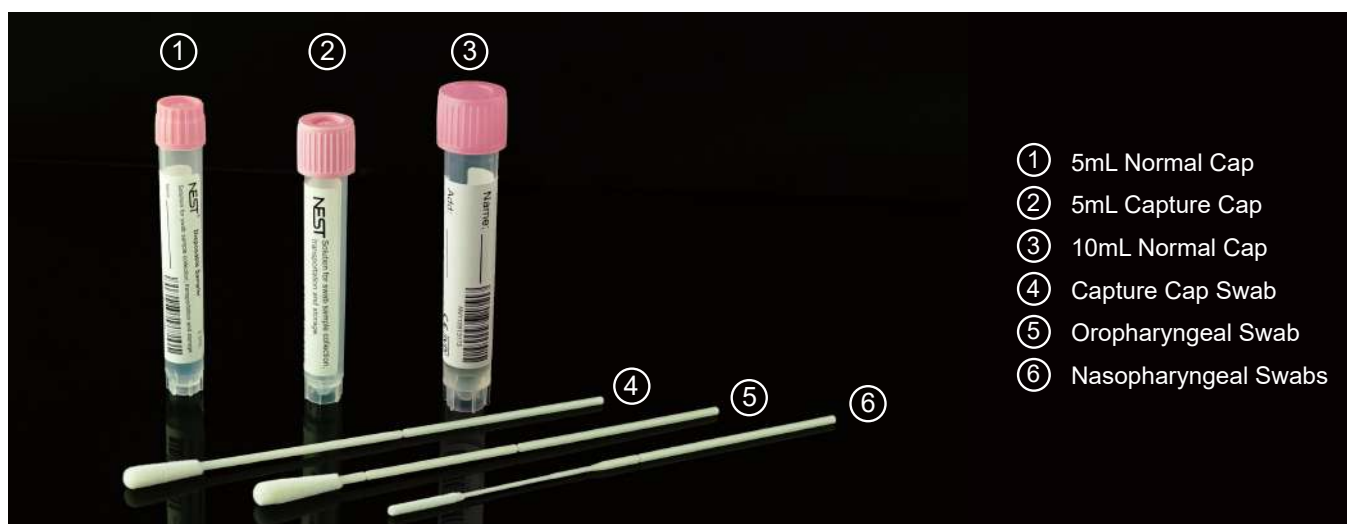
### NEW Products

Each kit contains 4 stickers with the same barcode. One for the vial, one for the specimen bag, one for the IFU, and one for extra use.



Cat.No.	Description	/Pack	/Case
202191	5 mL Vial with 1.2mL Saline Solution, with Individually Wrapped and Sterile Swab, 1 Specimen bag, and 4 Stickers with the Same Barcode	1	100
202192	10 mL Vial with 3 mL Saline Solution, with Individually Wrapped and Sterile Swab, 1 Specimen bag, and 4 Stickers with the Same Barcode	1	100

# AMIES Transport Medium



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 Kits



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.

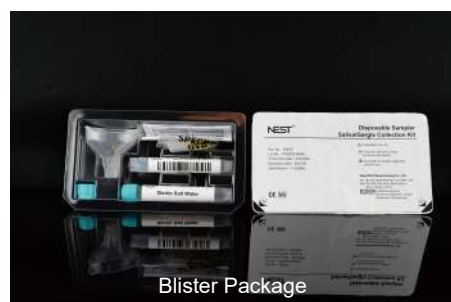
## Introduction

- 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 Kits

**NEW Products**



## 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.

Both the methods of collecting saliva, and gargling were printed on the IFU. You can choose a preferred method as you wish. This product is easy to carry and easy to operate.

## Features

- Use at normal room temperature.
- Samples can be stored and transported at room temperature.
- 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.
- 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.

Cat.No.	Description	/Pack	/Case
203051	Disposable Sampler, Saliva/Gargle Collection Kit, <b>Paper Box Packed, Sterile</b> , Each Kit Includes: One Funnel, One empty 5mL Vial, and One 5mL Vial Filled with 4.0 mL Saline Solution	1	100
203061	Disposable Sampler, Saliva/Gargle Collection Kit, <b>PE Plastic Bag Packed, Sterile</b> , Each Kit Includes: One Funnel, One empty 5mL Vial, and One 5mL Vial Filled with 4.0 mL Saline Solution	1	100
203071	Disposable Sampler, Saliva/Gargle Collection Kit, <b>Blister Packed, Sterile</b> , Each Kit Includes: One Funnel, One empty 5mL Vial, and One 5mL Vial Filled with 4.0 mL Saline Solution	1	100

## NEW Products



## Introduction

The main raw material is cyclic olefin copolymer (COP). As an alternative for borosilicate glass, COP has the characteristics of high transparency, high rigidity, high heat resistance, low refractive index, low protein adsorption, and drug compatibility test producing no flake. The temperature range is from -196 °C to 121 °C.

NEST Penicillin COP Bottle is featured with good steam tightness and resistance against acid, alkali, and abrasion.

Sterilized by electron beam and can be directly used for prefilling of an injection solution, freeze-dried powder, and other kinds of drugs and easy to be stored and transported.

## Features

### Class VI Standard Raw Materials

COP raw materials meet USP Class VI standards. Producing and packaging are in GMP standard cleanrooms that meet ISO 9001 and ISO 15378 standards.

### Accurate

Depending on imported injection molding equipment and sophisticated testing instruments, our products have precise size and excellent appearance.

### Safe

Sterilized by E-beam, SAL=10<sup>-6</sup>, RNase/DNase free, non-pyrogenic.

### Customized Packing & Cap Color

Various specifications are available. Packaging specifications can be customized according to customers' requirements.

## Application

NEST Penicillin COP Bottle is mainly used in the packaging of highly stable complex molecules and sensitive drugs, such as anti-cancer, anti-tumor, cardiovascular and cerebrovascular biological reagents, which usually have high added value. For drugs or high protein content drugs with PH value greater than 9, NEST Penicillin COP Bottle is suitable for packaging and transportation.

Cat.No.	Description	Sample Package
207001	AccureVial™, Penicillin COP Bottles, 5 mL	10 Vials/Cs

**Packaging specifications can be customized according to customers' requirements.**

# Disposable Intranasal Atomization Device



**Initiative**  
The first Chinese company to invent this device.  
Patent No.  
CN201820609059.4  
CN202020350634.0  
CN202010194009.6



**Rapid Absorption**



**Non-invasive & Painless**



**Self-Destruct Device**



**Inoculate Precisely**

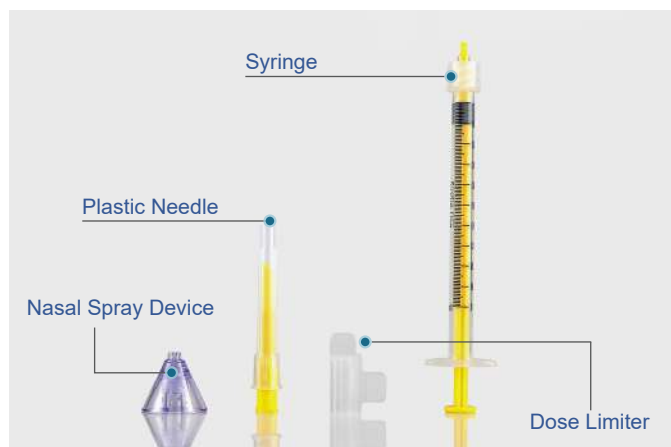


**Special Dose Limiter**

## Product Presentation

- The device provides a painless and rapid absorption medication delivery option for non-invasive intranasal medication delivery. It improves safety for both caregivers and patients by avoiding needle-sticking injuries.
- It is an atomizing device for drug administration intended to convert liquid preparations into atomized particles and spray on the surface of human body tissues (or organs) for full contact to maximize the administration effect. Meanwhile, the reasonable and effective self-destructive structure ensures that the product can only be used once to provide users with safe and hygienic products.

## Main Components



## Product Parameters

Cat.No.	Specifications	Product Description	Qty/Pack	Qty/Case
201002	1 mL	Disposable Intranasal Atomization Device, White, with Plastic Needle, Syringe, Nasal Spray Device, Dose Limiter, Individually Packed,	1	1000
201112	1 mL	Disposable Intranasal Atomization Device, Yellow, with Plastic Needle, Syringe, Nasal Spray Device, Dose Limiter, Individually Packed,	1	1000



## Inoculate Precisely

Using the dose limiter, inoculation becomes more precise.



Step 1

### Eliminate Air Calibrate Dose to 0.2 ml

Mount the dose limiter on push rod just like the picture on the left shows, then press the push rod until the top of dose limiter meets the bottom of tube like picture on the right shows. This step will eliminate the air and calibrate dose to 0.2 ml automatically.



<https://www.youtube.com/watch?v=H5tnqmnhGGA>

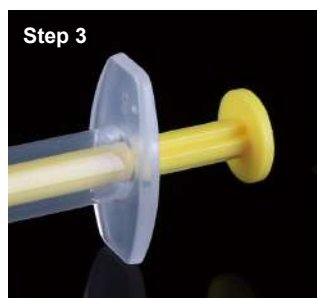
Watch operation video



Step 2

### Injection of First Dose Precisely

Turn dose limiter 90° to the position like the picture shows. Gently aim the top of the spray nozzle on one nasal cavity of the patient and quickly press the push rod until the top of the dose limiter meets the bottom of tube. The 0.1 ml dose injection was completed precisely.



Step 3

### Injection of Second Dose Precisely.

After finishing step 2, please remove the dose limiter, gently aim the top of the spray nozzle in the other nasal cavity of the patient and quickly press the push rod until reaching the bottom.

## Successful Cases

### —Lyophilized Live Attenuated Influenza Vaccine, Vaccination by Nasal Mucosa



### Advantage: Comprehensive Immunity

### Mucosal Immunity & Humoral Immunity & Cellular Immunity

When influenza virus attacks the human body, it widely exists in the nasal cavity, respiratory tract and other mucosal sites, as well as in body fluids and cells. Lyophilized live attenuated influenza vaccine which is vaccinated by nasal mucosa can quickly stimulate the triple immune response of the human body and carry out defense against different parts of the virus:

▲ Vaccination by nasal mucosa which can form the first immune line in nasal cavity, produce mucous membrane immunity (IgA antibody).

▲ Arousing **humoral immunity** (IgG antibodies) to clear influenza viruses from body fluids.

▲ Arousing **cellular immunity** (T cells) to clear influenza viruses from cells.

When influenza virus attacks the human body, it widely exists in the nasal cavity, respiratory tract and other mucosal sites, as well as in body fluids and cells.



Nasal Mucosa



Body Fluids

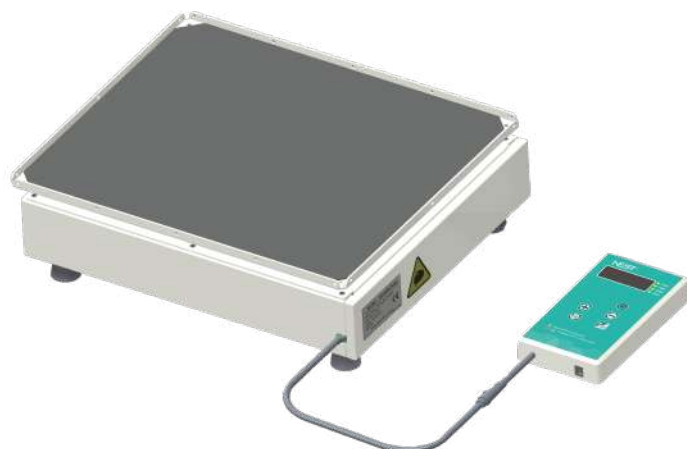


Cells

## Pre Potting Disposable Intranasal Atomization Device Coming soon. . .



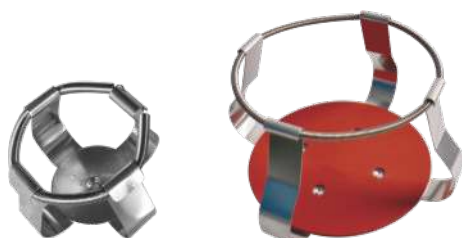
# CO<sub>2</sub> Orbital Shaker



## Features

- Orbital shaking through magnetic power eliminates the need to replace belts;
- Small footprint ideal for use in a CO<sub>2</sub> incubator;
- Specially treated mechanical components protect up to 20% CO<sub>2</sub> 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 CO<sub>2</sub> chamber are not effected;
- CO<sub>2</sub> resistant shaker can be used outside of CO<sub>2</sub> 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



Aluminum Platform

## 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)



Control Box

Standard Mini Roller (11 Rollers)

## Features

- Variable speed to accommodate numerous applications;
- Anti-corrosive and wear-resistant construction for use in humid and CO<sub>2</sub> 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

# 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

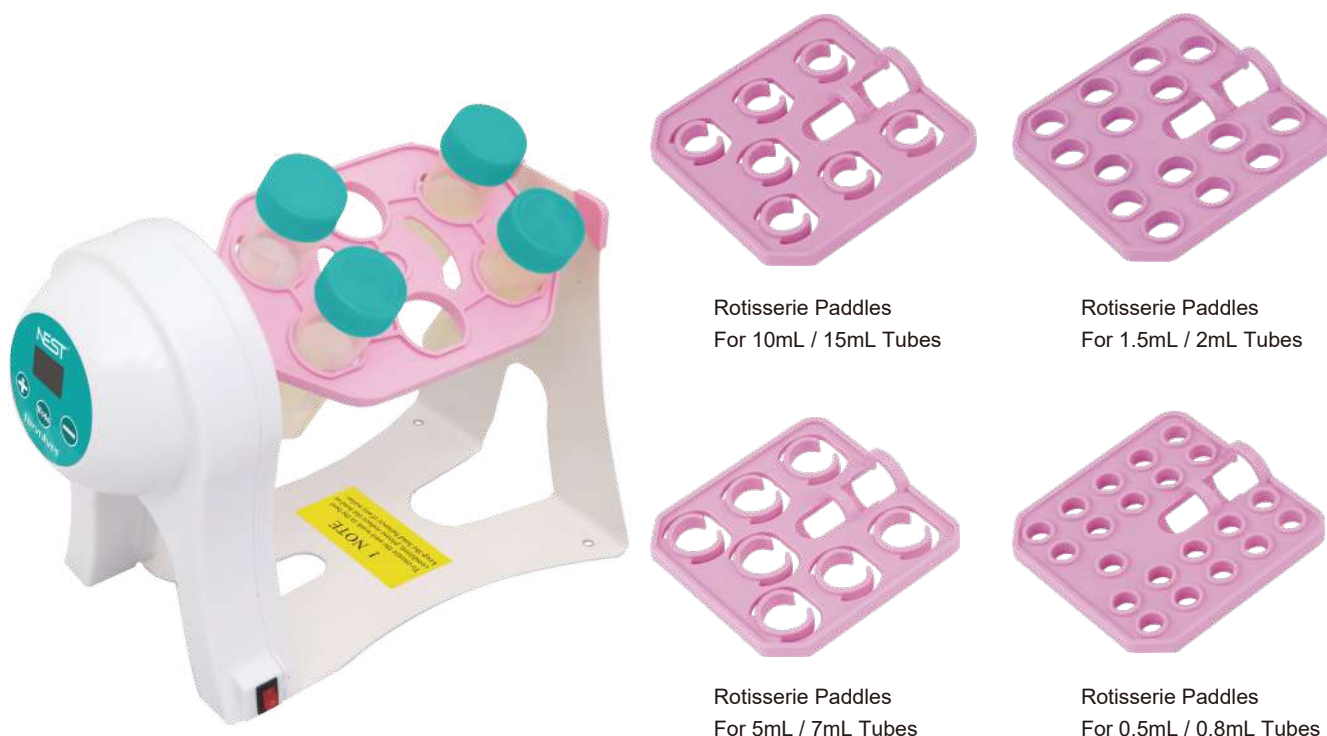
- Extremely compact and easy operate;
- Powerful vortex for tubes up to 30mm;
- Head is made of durable material to ensure long life;
- Refined steel base is designed to ensure product stability.

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



## 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



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ISO 9001



ISO 11137



ISO 13485



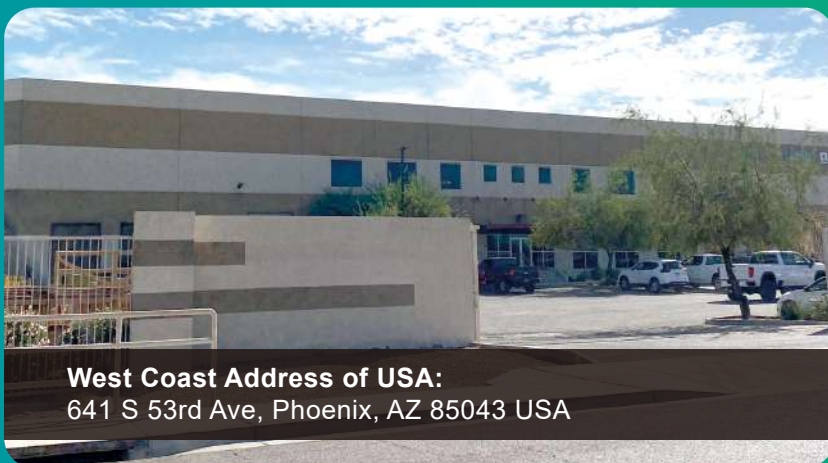
FDA



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