www.nestscientificusa.com

NEST®

PRODUCT CATALOGUE

Your best choice for medical laboratory consumables

2021

Company Profile

A leading life science plastic consumables manufacturer.

Wuxi NEST Biotechnology Co., Ltd. a leading life science plastic consumables manufacturer, who is integrated with R&D production and sales, was established in 2009, located in Wuxi, Jiangsu, China. Our products have been exported to North America, Europe, Japan, Korea, India and other countries, enjoys an excellent reputation nationwide and abroad. Customers are almost all over the world.
2011, NEST passed the standard of quality management system of ISO 9001.
2014, NEST passed the standard of quality management system of ISO 11137.
2016, NEST passed the standard of quality management system of ISO 13485.
2020, NEST obtained the medical device production license.
In addition to these certifications, we also gained CE and FDA standard.

NEST Scientific Inc. NJ, USA

With the development of the business, in order to send the products to customers in North America more quickly, establish deeper cooperation and build strong relationships with oversea customers. NEST Scientific Inc. as a branch of Wuxi NEST Biotechnology Co., Ltd. established in New Jersey, USA in 2013. Composed by a professional team with rich experience in training and sales skills, can provide professional training, communicate with customers in depth and understand customers' demands more quickly.

Your best choice for medical laboratory consumables.

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

NEST Scientific Inc. NJ, USA

Company Profile

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

We have a complete plastic consumables production line. Mold-making, injection molding and sterilization, all the procedures are done efficiently in our own factory. Precision molds, high quality raw material and advanced equipment 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.**

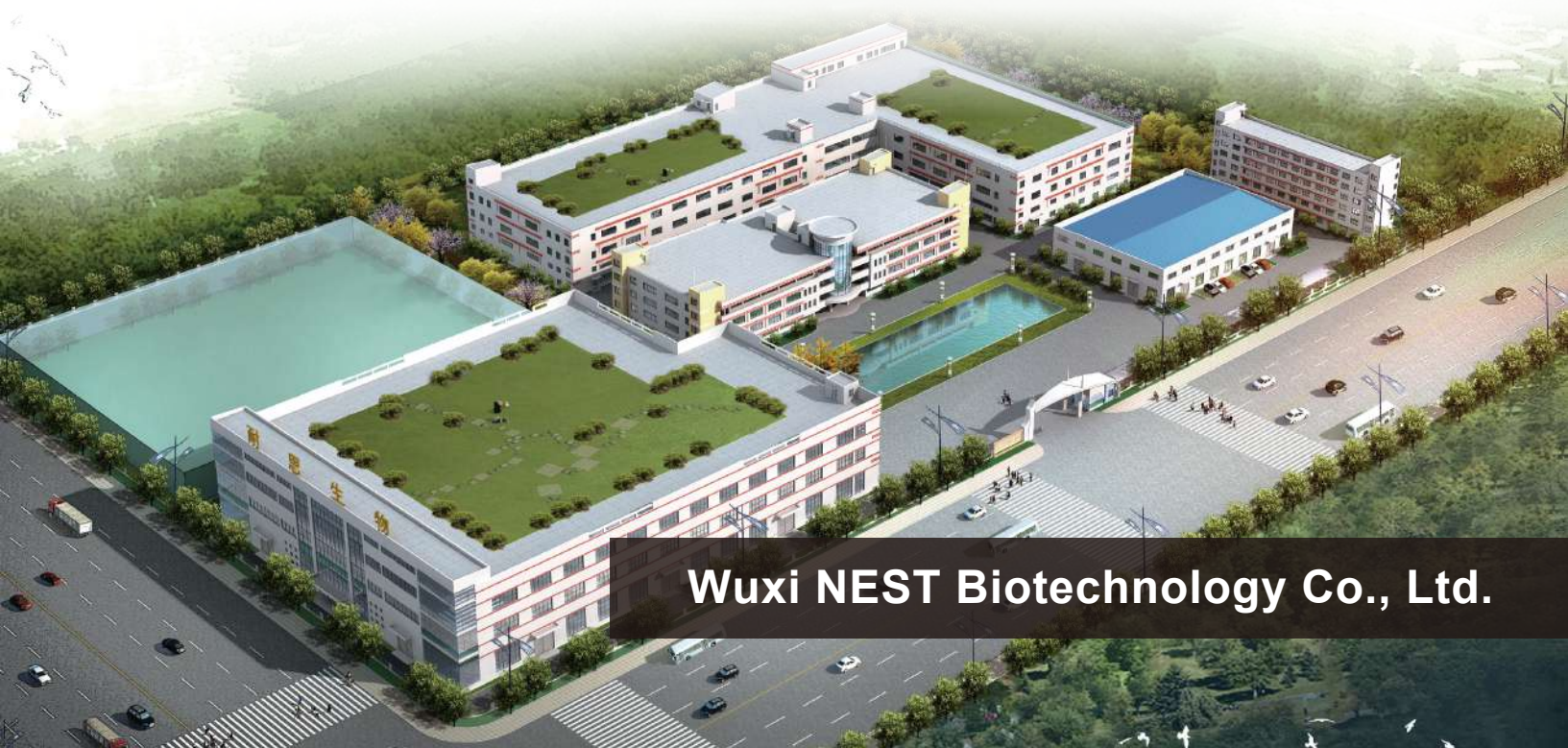
  Our R&D team, with over 30 years' experiences, work with high quality mold-making equipment imported from Germany and professional mold analysis software that allow NEST to develop more precise molds.

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

  10,764 ft^2 Class 10,000 clean room and 32292 ft^2 Class 100,000 clean room, all-electric high-speed injection molding machines imported from Japan, raw material which meet USP Class VI requirements. Production and quality control are performed strictly in accordance with corresponding SOP.

- **Sterilization by electronic beam irradiation.**

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



Wuxi NEST Biotechnology Co., Ltd.

Development History

2020
Prepares to Go Public
Multiple Medical Devices Launched

2019
Obtained Medical Device License
Sales Volume Exceeds
100,000,000 RMB

2018
Optimize Management &
Upgrade Equipment
R&D Medical Consumables
Preparing for a medical device license.

2017
Completed R&D
large-scale cell culture
related consumables.

2016
ISO13485 Certification
NEST BioFactory validation
completed and launched.

2015
E-beam
Sterilization Center
in operation

2014
New facility in operation
Sterilization center cetrified
with ISO 11137
New facility with 27,000 square meters.
Imported Rhodotron TT200 E-beam irradiation
equipment from IBA, Belgium.

2013
NEST Scientific USA Inc.
Established
PCR products launched.
R&D NEST BioFactory.

2012
Built new facility.

2011
ISO9001 Certification

2010
Market Development
Appear in Analytica Munich&PITTCON.
Explore the overseas market.

2009
Established
NEST brand established.
Starting from the cell culture products.

Company Profile


Certificate

Standard ISO 9001:2015

Certificate Registr. No. 01 100 1632699

Certificate Holder:

NEST

Wuxi NEST Biotechnology Co., Ltd.
Unified Social Credit Code: 91320213685882797G
Registration Address: No. 530, Xida Road,
Mei Cun Industrial Park, New Wu District, Wuxi,
Jiangsu Province 214112, P. R. China
Operation Address: same as above

Scope: Design and Development, Manufacture and Sales of Disposable Medical Laboratory Consumables (Plastic Test Tubes, Petri Dishes, etc.)

Proof has been furnished by means of an audit that the requirements of ISO 9001:2015 are met.

Validity: The certificate is valid from 2019-09-29 until 2021-10-22.
It remains valid subject to satisfactory surveillance audits.
First certification 2018

This certificate information can be searched on CNCA official website http://www.cnca.gov.cn

2019-10-11

TÜV Rheinland Cert GmbH
Am Grauen Stein · 51105 Köln

www.tuv.com IAF DAkkS TÜVRheinland® Precisely Right.

ISO 9001: 2015


TÜVRheinland

Certificate

The Certification Body of
TÜV Rheinland LGA Products GmbH

hereby certifies that the organization

Wuxi NEST Biotechnology
Co., Ltd.
No 230, Xida Road, New District
Wuxi
214112 Jiangsu
China

has established and applies a quality management system for medical devices for the following scope:

Design and Development, Manufacture and Distribution of Disposable Medical Laboratory Consumables

Proof has been furnished that the requirements specified in

EN ISO 13485:2016

are fulfilled. The quality management system is subject to yearly surveillance.

Effective Date: 2019-09-02
Certificate Registration No.: 5X 60136189 0001
An audit was performed, Report No.: 15090098 003
This Certificate is valid until: 2022-04-17

Certification Body

DAkkS

Date 2019-09-02

Fuxiu Sheng

TÜV Rheinland LGA Products GmbH · Tillystraße 2 · 90431 Nürnberg

ISO 13485


中华人民共和国
PEOPLE'S REPUBLIC OF CHINA
医疗器械产品出口销售证明
CERTIFICATE FOR EXPORTATION OF MEDICAL PRODUCTS

证书编号： 202000999号
Certificate NO.: SXYJXC20200099

产品名称： 见附件；
Product(s): See Attachment

规格型号： 见附件；
Model: See Attachment.

产品注册或备案凭证号： 见附件；
Registration certificate(s): See Attachment.

生产企业： 无锡耐思生物科技有限公司
Manufacturer: Wuxi NEST Biotechnology Co.,Ltd.

生产企业住所： 江苏省无锡市新吴区科技工业园锡达路530号
Address of manufacturer: No. 530, Xida Road, New District, Wuxi, Jiangsu, China

生产许可或备案凭证号： 苏械网生产备20200006号
Manufacturing License(s): NO.SXXSCB20200006

兹证明上述产品已准许在中国生产和销售。
This is to certify that the above products have been registered to be manufactured and sold in China.

证明有效日期至： 2022年06月19日
This certification valid until: 2022-06-19

备注： /
Remark: /

1 /2

JSDA

JSDA


Fiscal Year 2020

CERTIFICATION OF FDA REGISTRATION

Cert. No.: 2019FDA025PICACN183

This certifies that:

Establishment: WUXI NEST BIOTECHNOLOGY CO., LTD

Registered Address: No.530 Xida Road, New District, Wuxi, Jiangsu, 214012, CHINA

Registration Number: 3009302820

Has completed the FDA Establishment Registration (as manufacturer) and Device Listing with the US Food & Drug Administration such registration having been verified as currently effective on the date hereof by SPICA MEDTECH CORP.

Owner/Operator Number: 10070331 (Device Listing#: See annex)

U.S. Agent for FDA: SPICA MEDTECH CORP Communications:

2253 EMERSON ST Denver,CO,80205,USA

Phone: 720 6170668 Ext ,Email: spica_us@yahoo.com

SPICA MEDTECH CORP will confirm that such registration remains effective upon request and presentation of this certificate until the end of the calendar year stated above, unless said registration is terminated after issuance of this certificate.SPICA MEDTECH CORP makes no other representations or warranties, nor does this certificate make any representations or warranties to any person or entity other than the named certificate holder, for whose sole benefit it is issued.This certificate does not denote endorsement or approval of the certificate holder's device or establishment by the U.S. Food and Drug Administration. Pursuant to 21 CFR 807.20 "Registration of a device establishment or assignment of a registration number does not in any way denote approval of the establishment or its products.

Issued on behalf of
SPICA MEDTECH CORP

FDA


nqa.

Compliance Report

Applicant: Wuxi NEST Biotechnology Co., Ltd.
Address: No. 530 Xida Road, New District, Wuxi, Jiangsu, China

Product: Cell Culture Plate, Cell Culture Dish, Cell Culture Flask, Centrifuge Tube, Pipette Tip, PCR Tube & Plate, BioFactory (Multilayer Cell Culture Container), Serological Pipette, Cryogenic Vial, Petri Dish, Erlenmeyer Flask, Cover Glasses, Pasteur Pipette, Elisa Plate, Deep Well Plate, Vacuum Filtration System

Type: See annex for details

Product Classification: Others

The submitted technical files including test reports of the above products have been assessed against the self declaration requirements of conformity for CE marking according to Annex II & III of the 98/79/EC In Vitro Diagnostic Medical Devices Directive.

The review result of the enclosed files and test report support the self declaration for the devices listed above. The test report and the technical files are the annex of this report and should be used together.

Where the manufacturer affix's the CE marking to the product listed they must ensure that all the requirements of the appropriate EU directive(s) have and continue to be met.

This report is not a certificate of conformity.

No. 03144
Initial Issue Date: 18 Feb 2020

Signer

This report is the property of NQA and should be returned to NQA upon request.

CE

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10	Cell Scrapers & Cell Strainers
19	Mini Bio Reactor Tubes
19	PETG Erlenmeyer Flasks
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50	L Shape Spreaders

Desktop Lab Instruments

P.	Products Names
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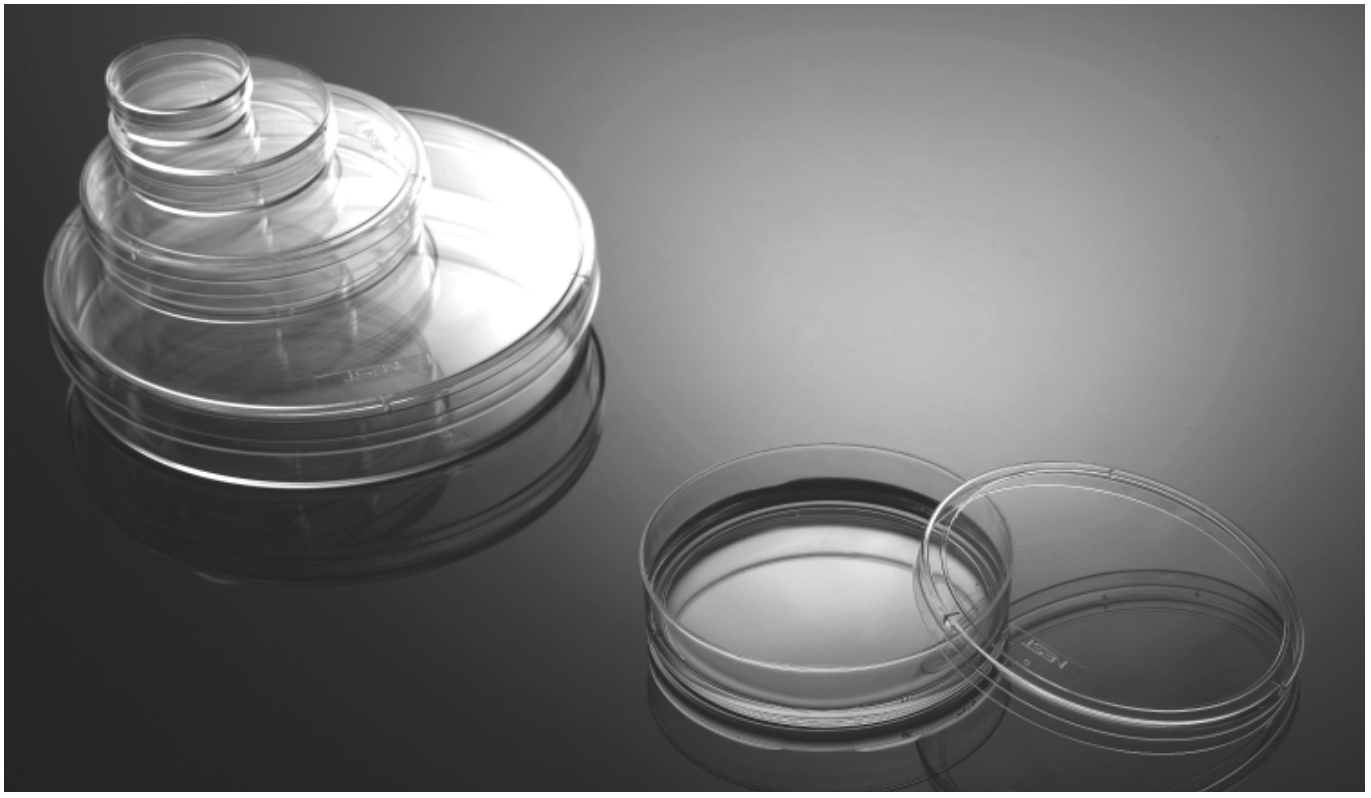
72	Mini Vortex Mixer
73	Variable Speed Tube Revolver with Ditital Display
71	Standard Mini Roller (6 & 11 Rollers)
70	CO_2 Orbital Shaker

Cell Culture Dishes



35 mm Dishes with Griping Ring

100 mm Dishes with Griping Ring

Vent points for Gas Exchange

Sterilized Packing

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

Features

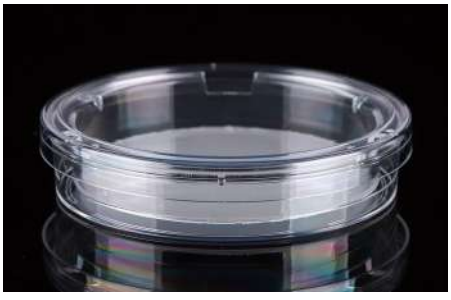
- High clarity, 100% virgin polystyrene.
- Flat transparent surface for distortion-free observation.
- Vacuum plasma TC treatment, excellent cell adherence.
- Stackable for easy storage and handling.
- Sterilized by E-beam, SAL=10^{-6}.
- Non-Pyrogenic, DNase/Rnase free.

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

Cell Culture Inserts





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.

Application Directions and Types

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

Features

- Sterilized by E-beam, SAL=10^{-6}.
- 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^2)
6 Well Plate	24	2.6	1.5	4.67
12 Well Plate	12	1.5	0.5	1.12
24 Well Plate	6.5	0.6	0.1	0.33
100mm Dish	75	13	9	44

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

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
726001	/	100 mm Cell Culture Insert-Dish	3.0	1	10

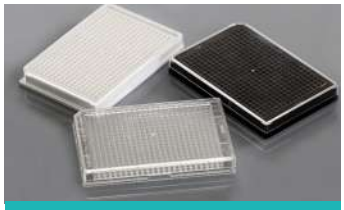
Cell Culture Inserts, PET Membrane

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 (μm)	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

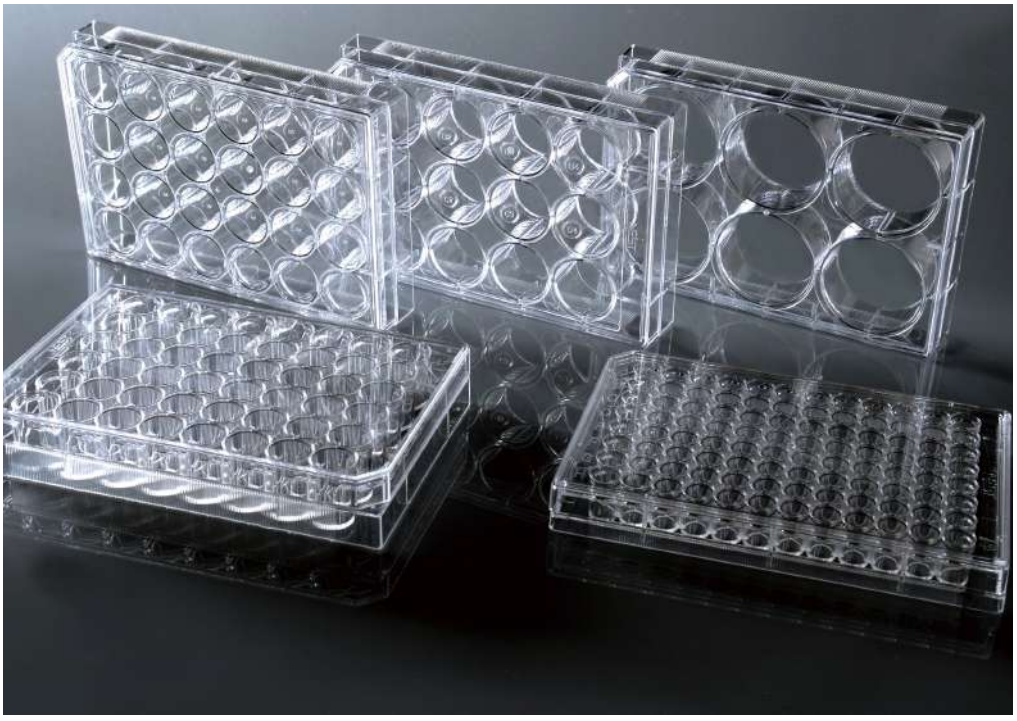
Cell Culture Plates



384 Well Cell Culture Plate

Excellent bottom uniformity

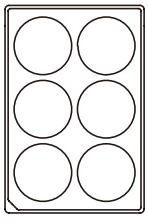
Special lid design ensures low evaporation



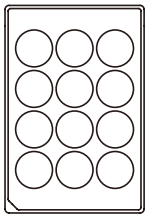
NEST cell culture plates have round edges for better handling. Low profile, low-evaporation lid design assure uniform growth. Tissue treated and non-treated are both available. Non-treated growth surface is more hydrophobic than tissue culture surface and are similar to the surface of a bacteriological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

Features

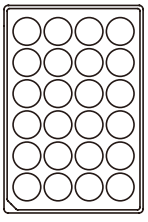
- Sterilized by E-beam, SAL=10^{-6}.
- High clarity, 100% virgin polystyrene.
- “TC” refers to vacuum plasma tissue culture treatment.
- Clear lot number for batch traceability.
- Markings of well coordinates available for 12, 24, 48 and 128 well plates.
- Non-Pyrogenic, DNase/Rnase free.



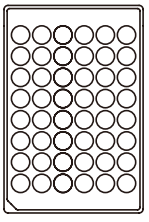
6 Well



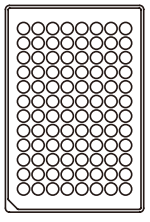
12 Well



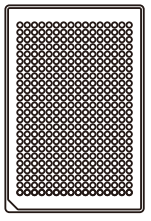
24 Well



48 Well

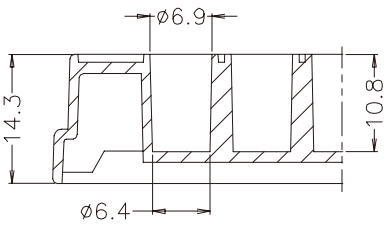


96 Well

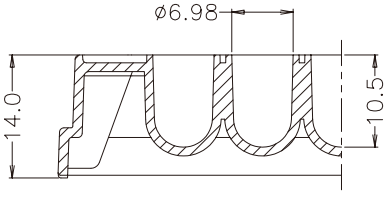


384 Well

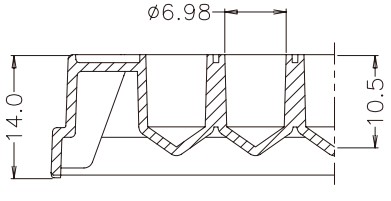
unit : mm



96 Well (Flat Bottom)



96 Well (U-Bottom)



96 Well (V-Bottom)

Products Name	Cell Growth Area（cm^2）	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

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

Cell Culture 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
714011	714001	6 Well Low Evap EDGE Plate, Flat Bottom, Clear	1	50
713011	713001	96 Well Low Evap EDGE Plate, Flat Bottom, Clear	1	100

Cell Culture 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

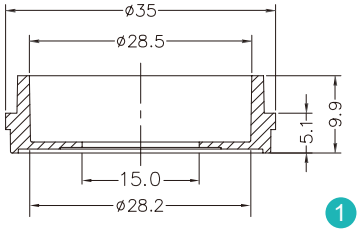
TC Treated Cat. No.	Description	/Pack	/Case
703003	6 Well Cell Culture Plate, Flat Bottom, Clear	1	50
712003	12 Well Cell Culture Plate, Flat Bottom, Clear	1	50
702003	24 Well Cell Culture Plate, Flat Bottom, Clear	1	50
748003	48 Well Cell Culture Plate, Flat Bottom, Clear	1	50
701003	96 Well Cell Culture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

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^{-6}.
- Made of high clarity, 100% virgin polystyrene and high clarity glass as bottoms.
- High quality cover glass of standard thickness.



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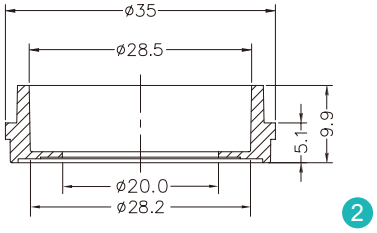

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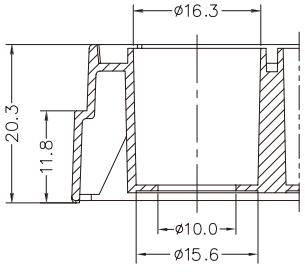

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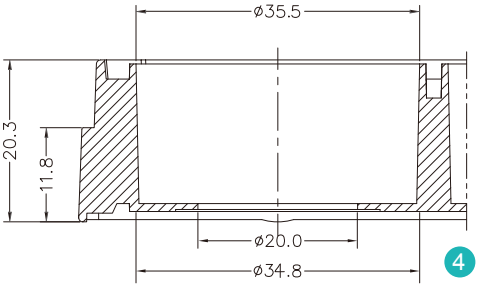
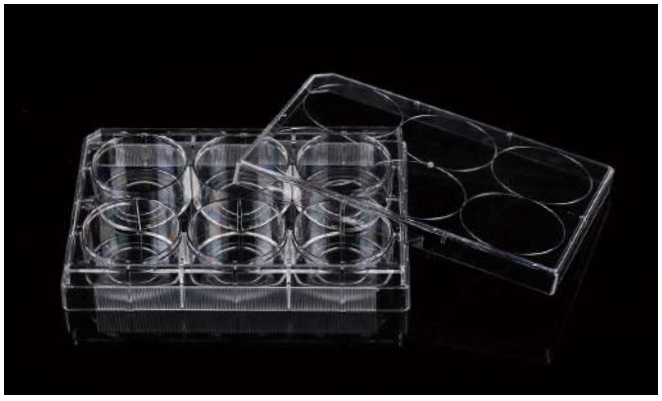
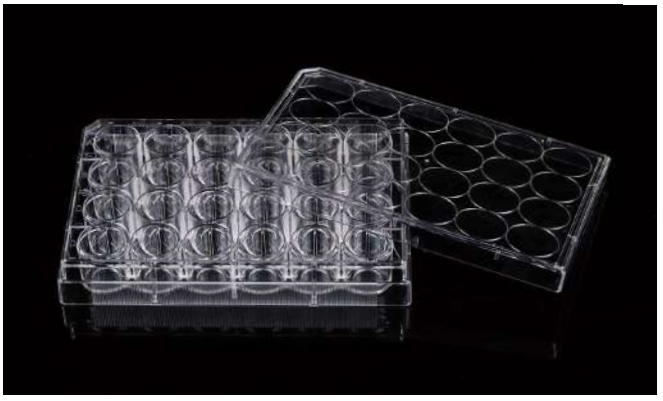


4

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^2)	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^2)	TC	/Pack	/Case
801004	6	34.8	9.5	Yes	1	10
801006	24	15.6	1.9	Yes	1	10

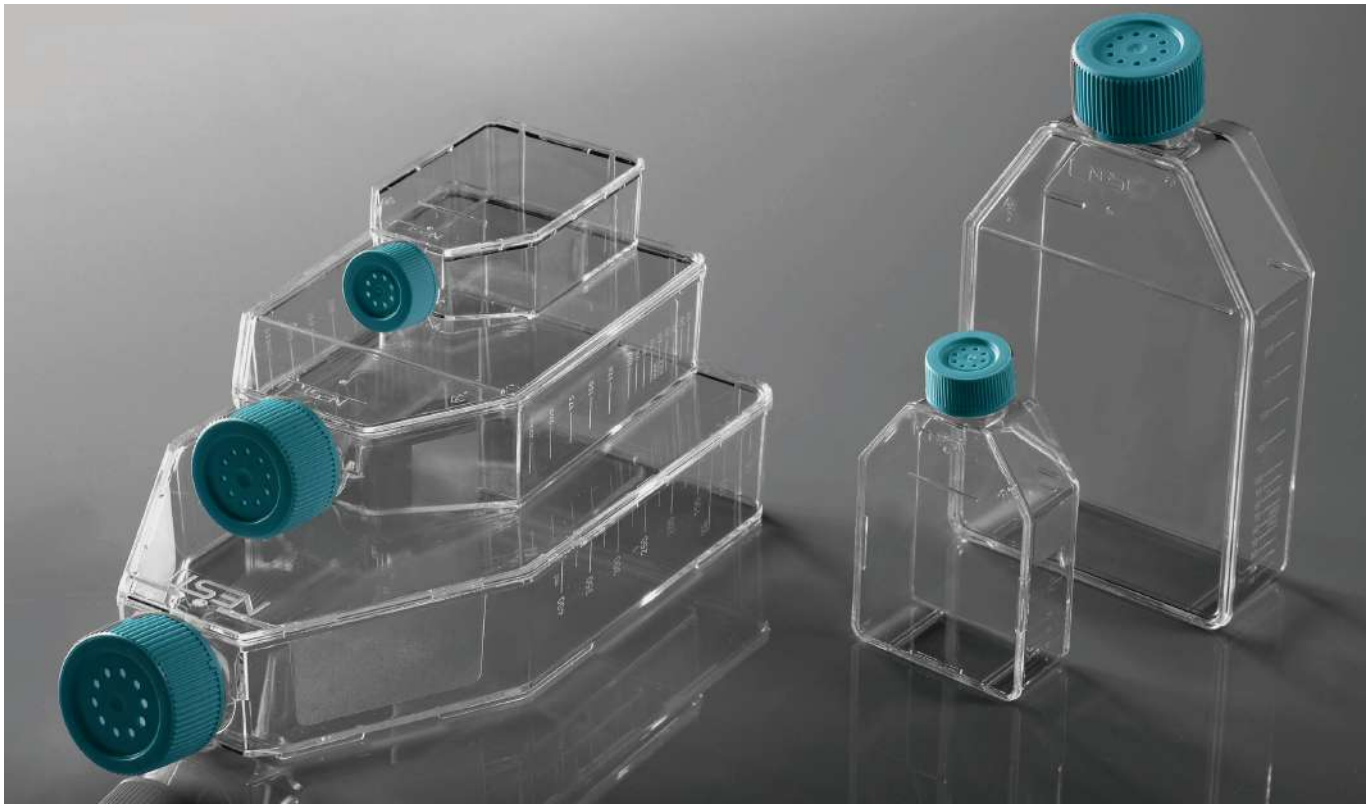
Cover Glass

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 Flasks



Vent caps with 0.22 μm hydrophobic filters to eansure 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^2 to 225cm^2. Tissue culture treated or non-treated flasks available with a vent cap or plug seal cap to meet your requirements.

Features

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

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

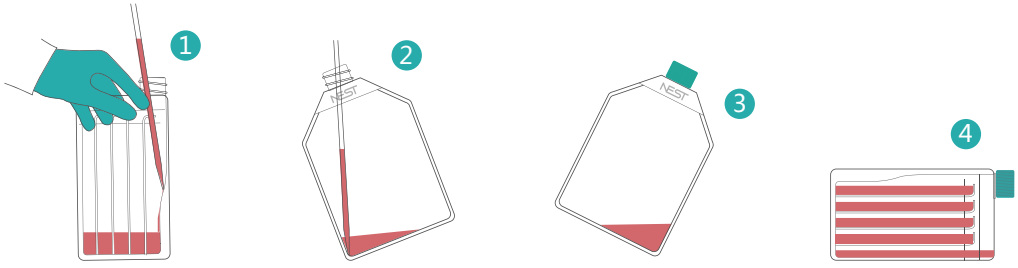
5-Layer Cell Culture Flasks

Features

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

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

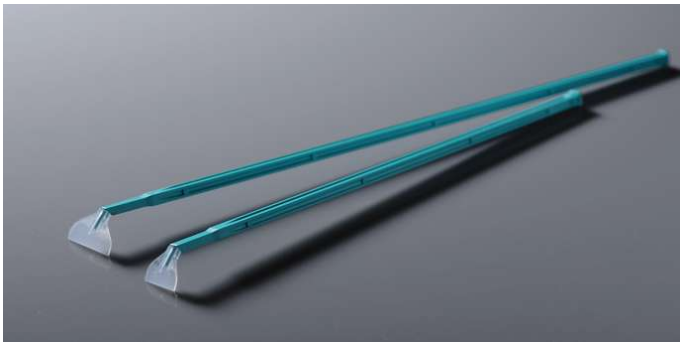
Guidelines For Use:



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

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^{-6}.
- Non-Pyrogenic, DNase/Rnase free.
- Individually Packaged.

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

Cell 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

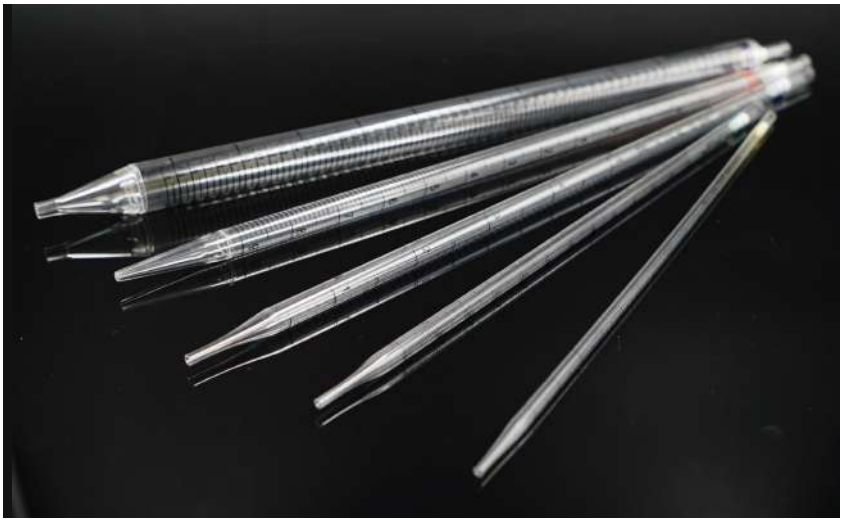
- Ideal for stem cell and tissue-derived primary cell preparation.
- Fits into nearly all 50ml conical tubes including BD Falcon (tm), TPP and MidSci brands.
- Tab molded within upper ring enables easy sterile handling.
- Sterilized by E-beam, SAL=10^{-6}.
- Non-Pyrogenic, DNase/Rnase free.
- Individually Packaged.

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

Serological Pipettes

Features

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



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

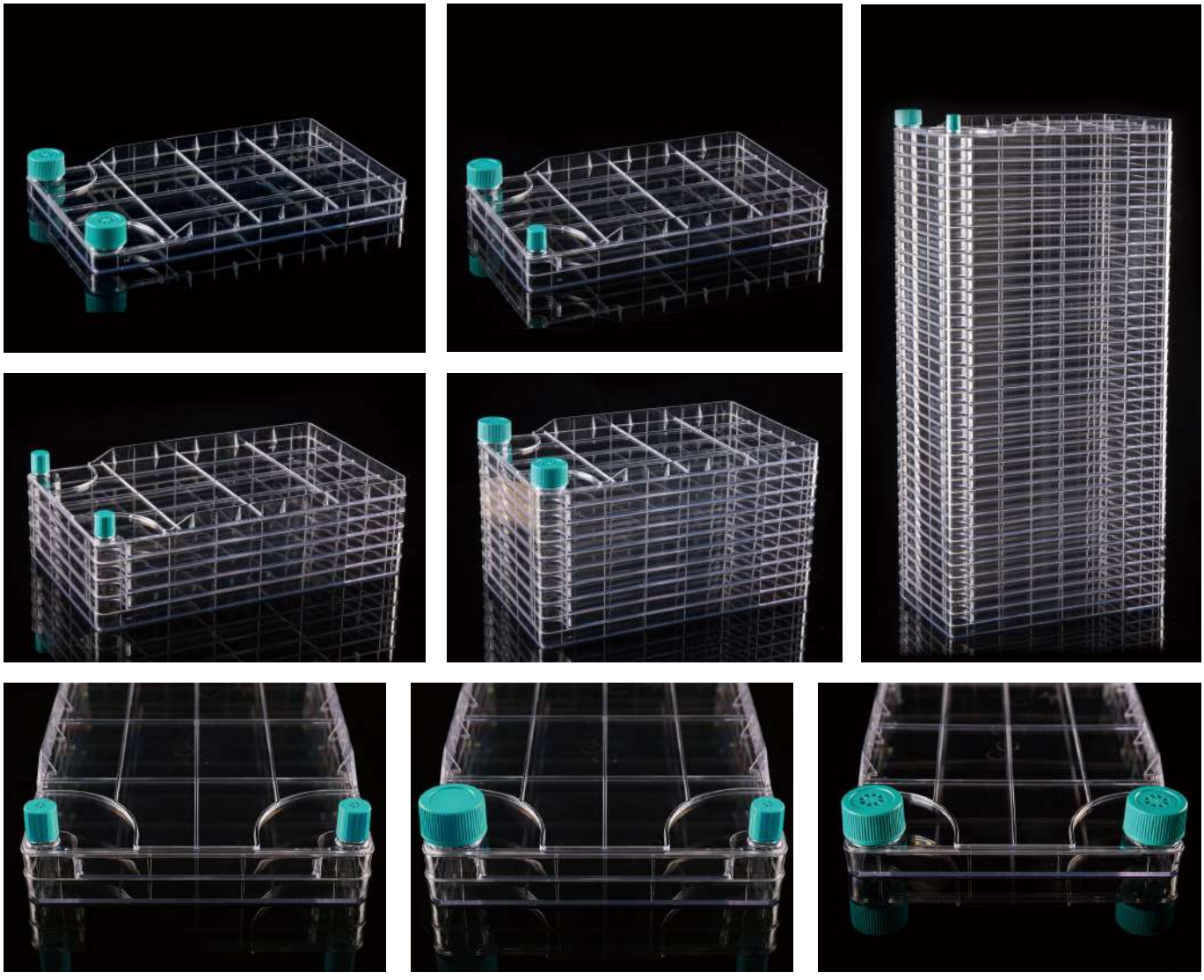
Pasteur Pipettes

Features

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

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

BioFactory™



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

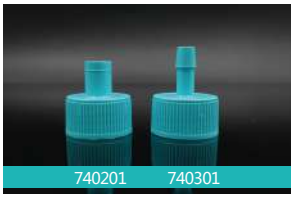
- Made of high clarity, 100% virgin polystyrene.
- Sterilized by E-beam, SAL=10^{-6}.
- Non-Pyrogenic, DNase/Rnase free.
- Individually packaged in double-layer sterile bags.
- TC treated, good for cell attachment and growth.
- Clear lot number for batch traceability.
- Ultrasonic welding without extrinsic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

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

Accessories

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



Cat.No.	Name	Material	spec(mm)		/Pack	/Case
			The inside diameter	The outside diameter		
740201	Adaptor Cap Wide Mouth to Narrow Mouth	HDPE	11.8	14.3	1	10
740301	Adaptor Cap Wide Mouth to 3/8 Inches(9.5 mm)hose	HDPE	7.3	11.4	1	10

BioFactory Accessories

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

745001

745021

745011

745001	**BioFactory Accessory Lite Package** **Hose Clamp*1+50 mm Vent Filter*1+15 cm SPT-50 Hose*1+Silicone Ring*2, Sterile, 1/pk, 2/cs**
745011	**BioFactory Accessory Basic Package** **Hose Clamp*1+50 mm Vent Filter+15 cm SPT-50 Hose*1+Adaptor Connector*1+Silicone Ring*2, Sterile, 1/pk, 2/cs**
745021	**BioFactory Accessory Premium Package** **2 different Adaptor Caps*1+Hose Clamp*1+Adaptor Connector*1 +50 mm Vent Filter*1+Hose Clamp*1+15 m SPT-50 Hose*1, Individually Wrapped, Sterile, 1/pk, 1/cs**

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.

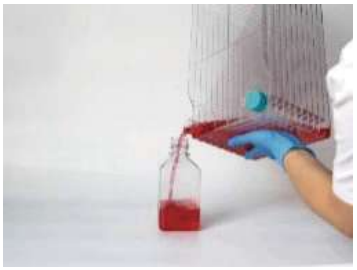
Put the BioFactory™ into the incubator.

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.

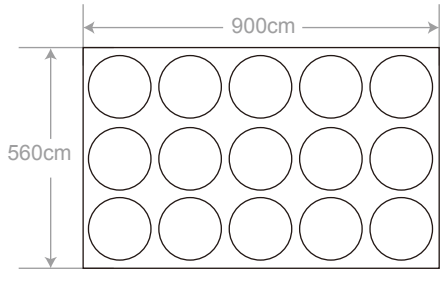
PC High Efficiency Erlenmeyer Flasks

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.

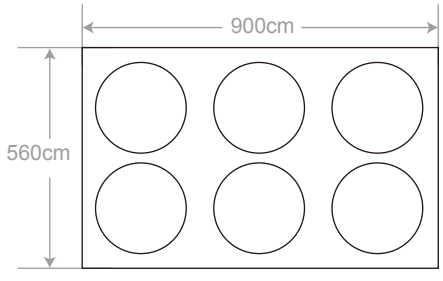
Features

- 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℃.
- There's a scale made by injection molding on the flask body to facilitate observing the filled liquid volume.
- Sterilized by E-beam, SAL=10^{-6}.
- Non-Pyrogenic, DNase/Rnase free.
- Individually packaged in sterile bag.

High Efficiency Erlenmeyer Flask VS Conical Erlenmeyer Flask



3L High Efficiency Erlenmeyer Flask



3L Conical Erlenmeyer Flask

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

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

PC High Efficiency Erlenmeyer Flasks


3L Wide Mouth

3L Wide-mouth High Efficiency Erlenmeyer Flask

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.

Cat.No.	Volume	Cap Style	Size(mm)			/Case
			Height	Bottleneck Diameter	Bottom Diameter	
785101	2L	Seal Cap	213.5	67	162	4
785111	2L	Vent Filter Cap	213.5	67	162	4
786101	3L	Seal Cap	253.5	67	162	4
786111	3L	Vent Filter Cap	253.5	67	162	4
787001	5L	Seal Cap	285.5	90	230	4
787011	5L	Vent Filter Cap	285.5	90	230	4
786501	3L Wide Mouth	Seal Cap	253.5	90	162	4
786511	3L Wide Mouth	Vent Filter Cap	253.5	90	162	4

PC Conical Erlenmeyer Flasks


2L PC Erlenmeyer Flasks


3L PC Erlenmeyer Flasks

Features

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

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

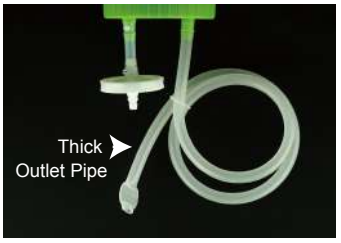
Transfer Cap System

Bi-directional Liquid Transfer Cap

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

Multifunctional Liquid Transfer Cap

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



Inverted Liquid Transfer Cap

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

Features

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

Application

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

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

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

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

PETG Erlenmeyer Flasks

Features

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

Cat.No.	Volume (mL)	Cap Style	Size(mm)			/Case
			Height	Bottleneck Diameter	Bottom Diameter	
781001	125	Seal Cap	106.8	34	66	24
781011	125	Vent Filter Cap	106.8	34	66	24
782001	250	Seal Cap	137.8	34	83	12
782011	250	Vent Filter Cap	137.8	34	83	12
783001	500	Seal Cap	175.8	39	101	12
783011	500	Vent Filter Cap	175.8	39	101	12
784001	1000	Seal Cap	213.3	39	127	6
784011	1000	Vent Filter Cap	213.3	39	127	6

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	Hydrophilcity	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℃.
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^{-6}.
- 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

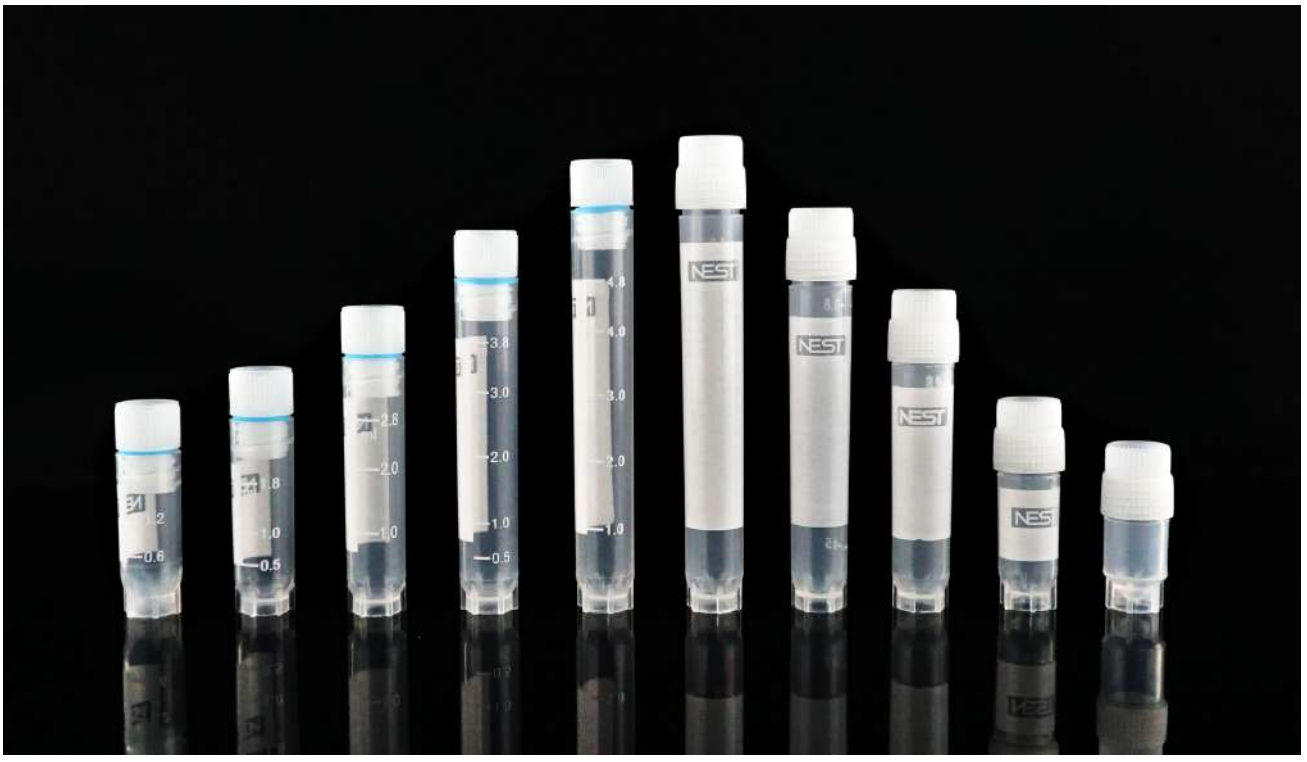
Syringe Filters

Features

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

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

Cryogenic Vials



Features

- Made of USP VI polypropylene.
- Autoclave at 121℃ /15 lb.
- Non-pyrogenic, DNase/RNase and human DNA free.
- Round Bottom, Self-standing.
- Autoclavable.
- Sterilized by E-beam, SAL=10^{-6}.
- Clear graduations and white marking area.
- Recommend to store in gas phase of the nitrogen tank.
- Internal thread Cap: Special screw cap designed with silicone O-ring to secure the sealing under various condition.
- External thread Cap: Special screw cap designed without silicone ring to avoid risk of contamination.

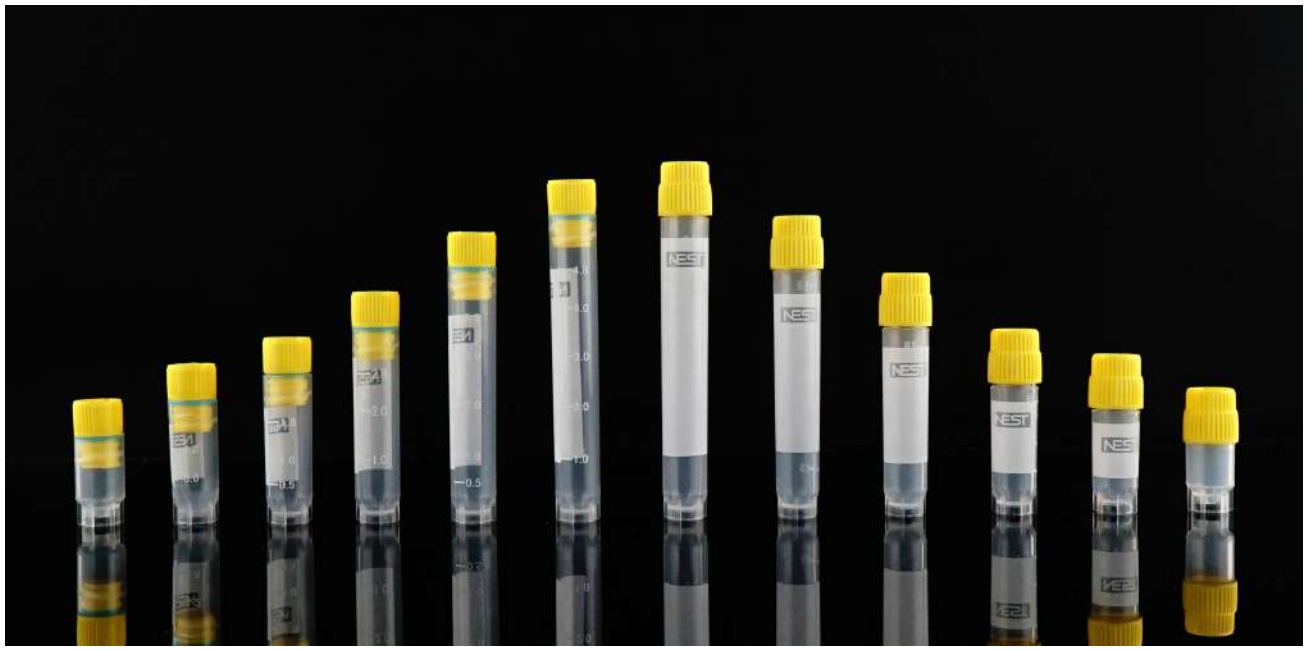
Cryogenic Vial, Racked

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

Cryogenic Vial, Bulk

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

Cryogenic 2D Matrix Vials



Features

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

2D barcode

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

2D Barcode Cryogenic Vials, Racked

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

2D Barcode Cryogenic Vials, Bulk

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

3D Barcode Cryogenic 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.

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

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

Material Characteristics

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

NEST Advantages:
Testing and control in strict accordance with quality requirements.

Low Temperature Test	Sealing Test	Sterility Test	Endotoxin Test
-80℃ cryogenic freezing test, -196℃ liquid nitrogen test;			DNA and RNA enzyme test

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	3D Barcode 1.9 mL Cryogenic Vial, SBS Format, Compatible with Brooks System, Self-Standing, External Thread, Caps on, Sterile	48	480
612047	3D Barcode 1.9 mL Cryogenic Vial, SBS Format, Compatible with Brooks System, Self-Standing, External Thread, Caps Separated, Sterile	48 Vials/Pk 48 Caps/Pk	480
614041	3D Barcode 4.0 mL Cryogenic Vial, SBS Format, Compatible with Brooks System, Self-Standing, External Thread, Caps on, Sterile	48	480
614047	3D Barcode 4.0 mL Cryogenic Vial, SBS Format, Compatible with Brooks System, Self-Standing, External Thread, Caps Separated, Sterile	48 Vials/Pk 48 Caps/Pk	480

3D Barcode 1.8 mL Cryogenic Vial

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

External Thread, Double Secure Cap

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

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

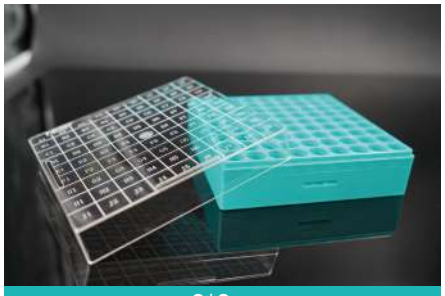
Precautions

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

Cap Insert

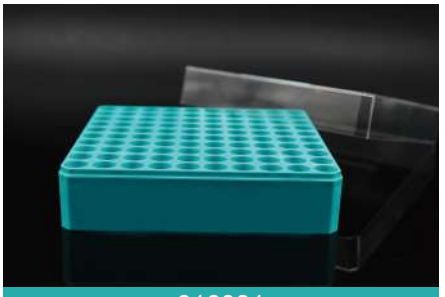
Cat. No.	Color	/Pack	/Case
611001	White	100	1,000
611002	Red	100	1,000
611003	Yellow	100	1,000
611004	Blue	100	1,000
611005	Green	100	1,000
611006	Purple	100	1,000

Cryo Boxes



9*9

10*10



616031

Features

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

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

Process Cooling Box for 12 Tubes

200102

200101

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)	Weigth (g)
200901	152x170x123	140

Ice Core

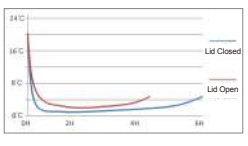
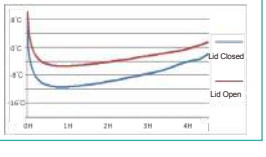
Cat.No.	Name	Temperature Range	Refrigerator's Temperature	Freeze Time	Specifications (mm)
200902	Cooling Core	0.5℃~4℃	-20℃	4h+	105 x 100 x 26
		0.5℃~4℃	-80℃	2h+	105 x 100 x 26
200903	Freeze Core	-18℃~-4℃	-20℃	6h+	105 x 100 x 26
		-18℃~-4℃	-80℃	3h+	105 x 100 x 26

Tube Module

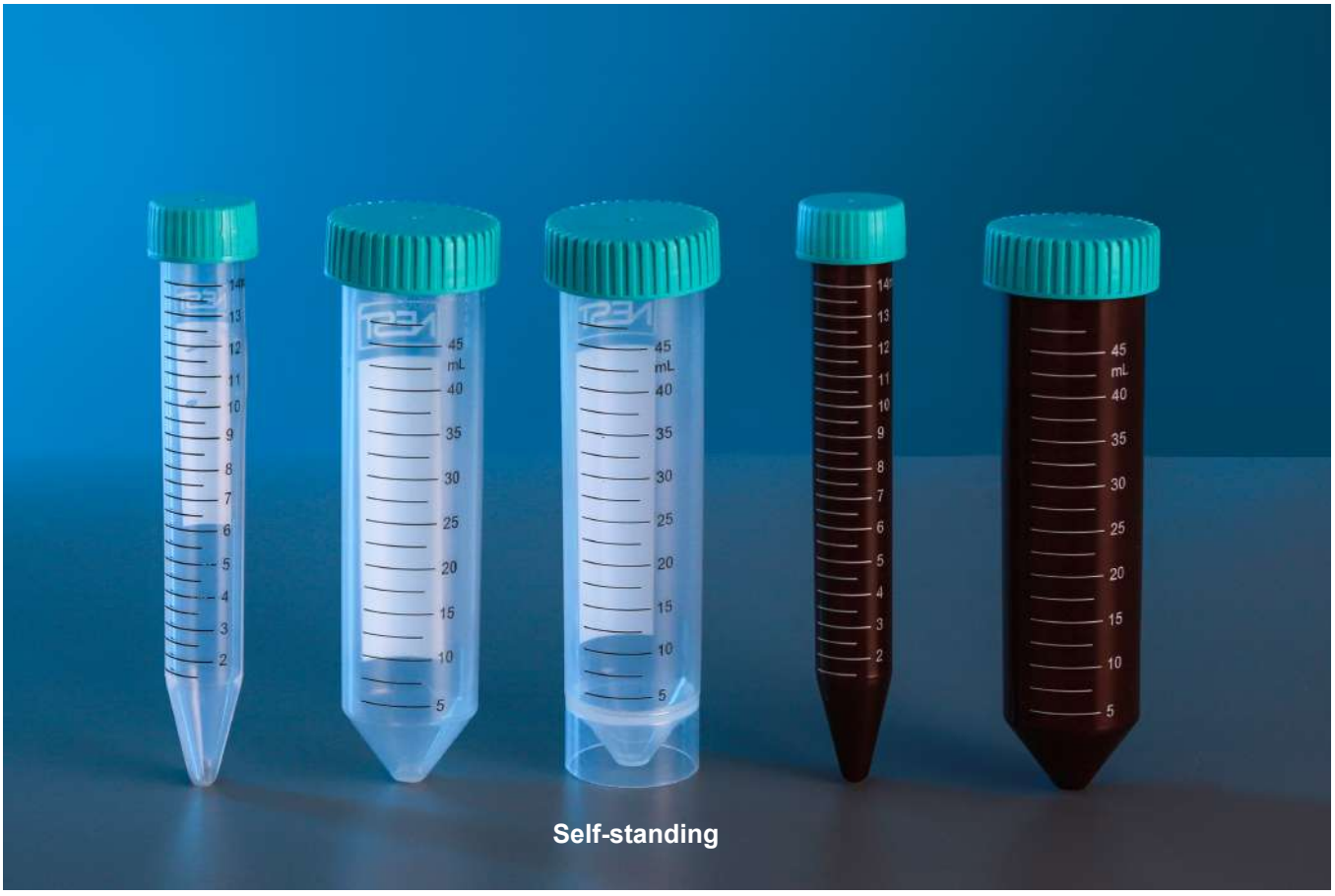
Cat.No.	Name	Specifications (mm)	Application
200904	2 mL Module	119 x 101 x 38	2 mL Tube (30-Well, φ12.6mm)
200905	1.5 mL Module	119 x 101 x 38	1.5 mL Tube (48-Well, φ11mm)
200906	5 mL Module	119 x 101 x 38	5 mL Tube (30-Well)
200907	PCR Module	119 x 101 x 38	PCR Tube or 96-Well Plate (φ7mm)

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

Premium Level

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

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

15 mL&50 mL Centrifuge Tubes

PS Rack

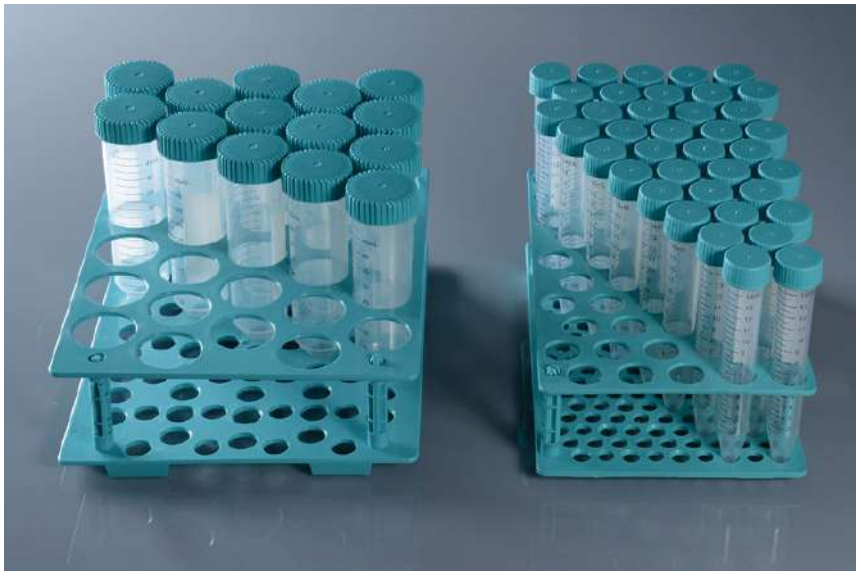
Bulk

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

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	/Pack	/Case
605001	0.6	Clear	Conical	Non-sterile	1,000	10,000
615001	1.5	Clear	Conical	Non-sterile	500	5,000
620011	2	Clear	Round	Non-sterile	500	5,000
603011	5.0	Clear	Round	Non-sterile	200	2,000
605601	0.6	Clear	Conical	Sterile	50	7,500
615601	1.5	Clear	Conical	Sterile	50	4,000
620611	2	Clear	Round	Sterile	50	4,000
615401	1.5	Amber	Conical	Sterile	50	4,000
605401	0.6	Amber	Conical	Sterile	50	7,500
603111	5.0	Clear	Round	Sterile	200	2,000

Micro Tube Boxes

Features

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

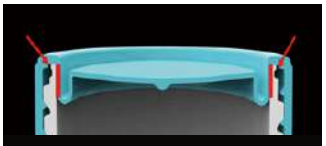
Cat.No.	Application	Spec (well)	/Pack	/Case
613001	0.6 mL	10*10	1	40
613111	1.5 / 2 mL	8*8	1	40

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.



Unique structure design of the cap provides double security

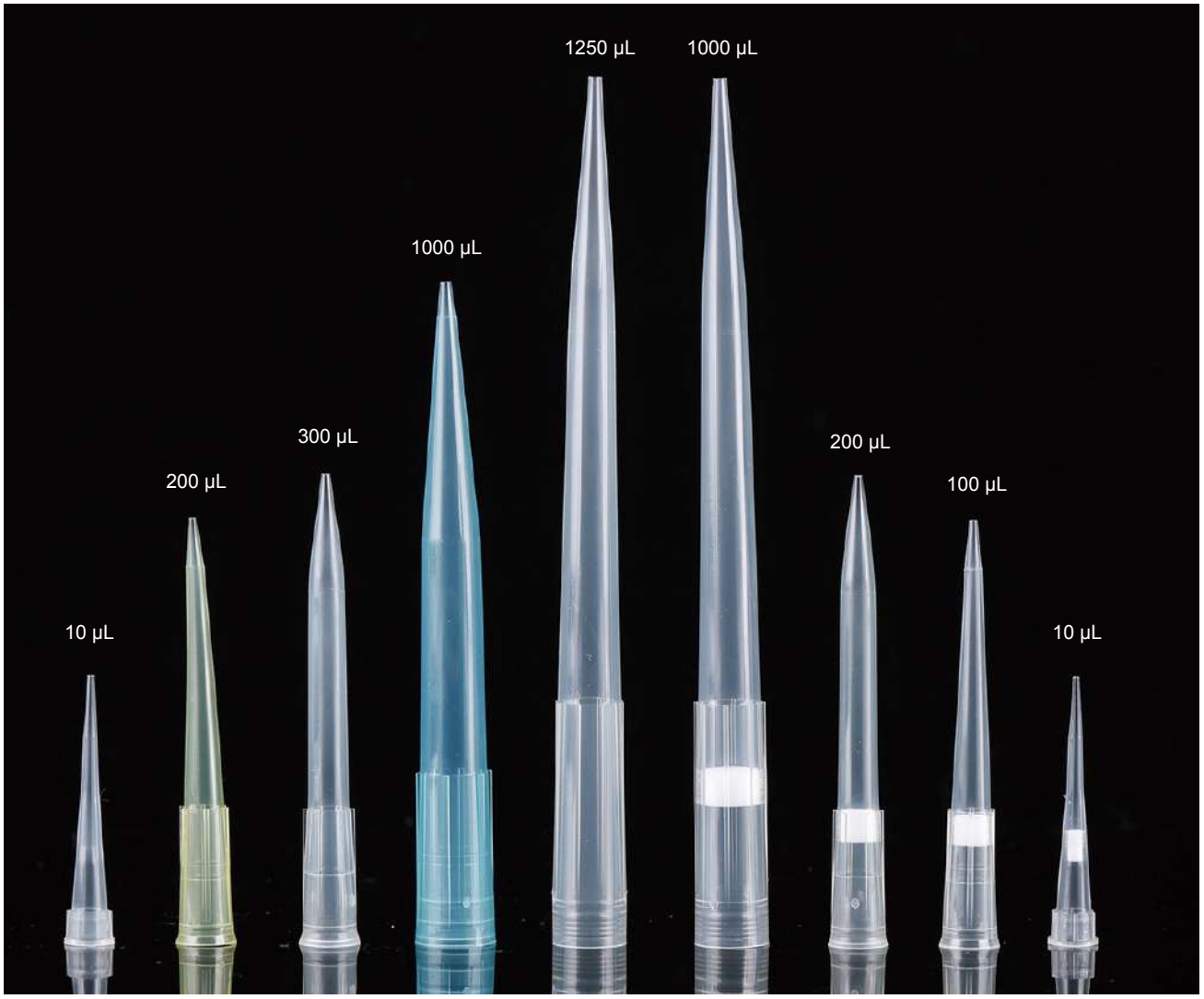
Increased the thickness of conical bottom

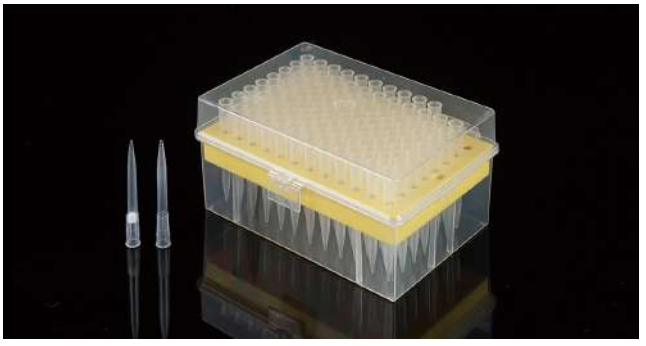
Features

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

Cat.No.	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

Universal Pipette Tips





Universal Pipette Tips

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

Features

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

Pipette Tips Bulk, Non-sterile

Cat.No.	Volume (μL)	Color	/Pack	/Case
301006	10	Clear	1,000	20,000
302106	200	Yellow	1,000	20,000
305006	300	Clear	1,000	10,000
303206	1,000	Blue	1,000	5,000
304006	1,250	Clear	500	5,000

Pipette Tips Racked, Sterile

Cat.No.	Volume (μL)	Color	/Box	/Case
301016	10	Clear	96	4,800
302116	200	Yellow	96	4,800
305016	300	Clear	96	4,800
303216	1,000	Blue	100	5,000
304016	1,250	Clear	96	4,800

Filter Pipette Tips Bulk, Non-sterile

Cat.No.	Volume (μL)	Color	/Pack	/Case
311001	10	Clear	1,000	10,000
316001	100	Clear	1,000	10,000
312001	200	Clear	1,000	10,000
313001	1,000	Clear	500	5,000

Filter Pipette Tips Racked, Sterile

Cat.No.	Volume (μL)	Color	/Box	/Case
311012	10	Clear	96	4,800
316012	100	Clear	96	4,800
312012	200	Clear	96	4,800
313012	1,000	Clear	96	4,800

Tip Box, Only box, no tips.

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

Automation Tips

NEST automation 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.

Features

- Medical-grade black polypropylene (PP) materials.
- Manufactured in a 100-thousand grade clean plant.
- DNase and RNase free, no protease and no pyrogen.
- Electron beam sterilization: safe and fast, without chemical residue.

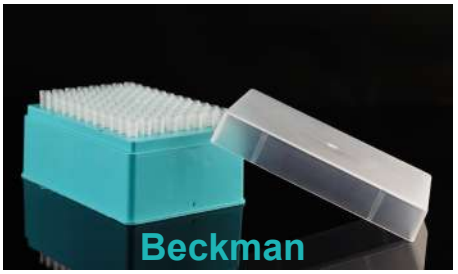
NEST Advantages

- **Tips from Different Carities are Packed Separately Uniform Conductivity**
  All tips in each individual blister come from the same carity. In order to ensure the traceability of products, to improve the accuracy of experimental results, and to reduce the deviation between individual products.
- **Smooth Inner Surface**
  The unique process technology ensures that the tips have smooth inner surfaces, therefore greatly reducing the amount of residual liquid.
- **Super Hydrophobicity**
  The porous tissue filtration by filter tip ensures optimum performance and the super hydrophobicity of the tip forms a strong barrier against aerosols and eliminates the risk of sample cross-contamination.
- **Strong Package**
  Automation conduction tips are packed in the high-strength blister card outer package with thickened wall, which is impact-resistant and dropping-resistant, ensures the integrity and safety of the product under harsh transport conditions.
- **Good Air Tightness and Adaptability**
  The structure mapping is conducted per the original adapter and the proven injection-molding ensures that the products have good air tightness and adaptability, improving the mechanical precision of the products during work.

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.

Automation Tips



Automation Conductive Tips for Tecan Systems

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

NEST Cat.No.	Tecan Cat.No.	Descriptions	/Pack	/Case
332002	30032115	50 µL Automation Conductive Tips	96*2	2,304
332102	30000627	200 µL Automation Conductive Tips	96*2	2,304
332202	30000630	1000 µL Automation Conductive Tips	96*2	2,304
332012	30032114	50 µL Automation Conductive **Filter** Tips	96*2	2,304
332112	30000629	200 µL Automation Conductive **Filter** Tips	96*2	2,304
332212	30000631	1000 µL Automation Conductive **Filter** Tips	96*2	2,304

Automation Conductive Tips for Hamilton Systems

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

NEST Cat.No.	Hamilton Cat.No.	Descriptions	/Pack	/Case
345002	235978	50 µL Automation Conductive Tips	96	2,304
345102	235937	300 µL Automation Conductive Tips	96	2,304
345202	235939	1000 µL Automation Conductive Tips	96	2,304
345012	235979	50 µL Automation Conductive **Filter** Tips	96	2,304
345112	235938	300 µL Automation Conductive **Filter** Tips	96	2,304
345212	235940	1000 µL Automation Conductive **Filter** Tiprs	96	2,304

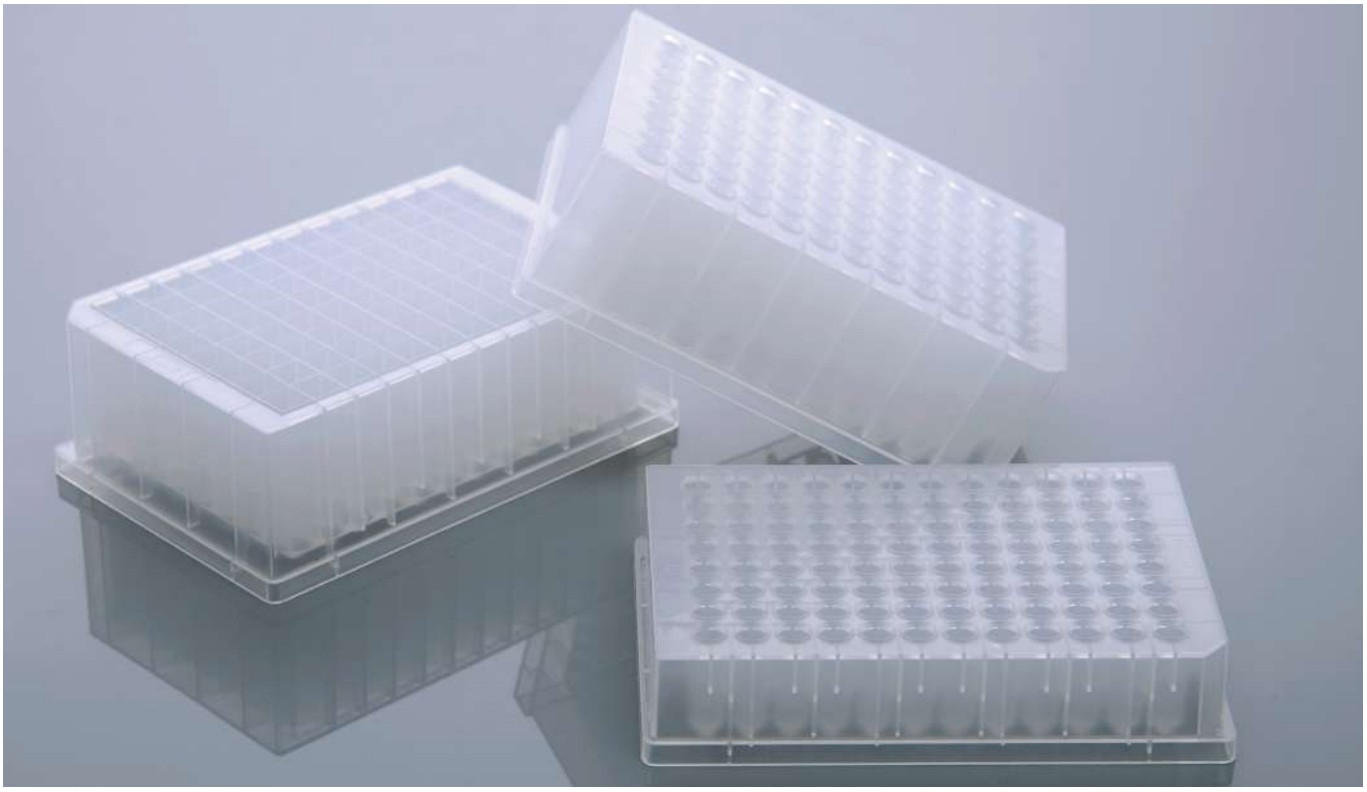
Automation Tips for Beckman Systems

Beckman robotic tips are used in Beckman FX / NX,Biomek i5 / i7 and Biomek 3000.

NEST Cat.No.	Beckman Cat. No.	Descriptions	/Pack	/Case
317511	B85903	250 µL Automation Tips	96	4,800
317011	B85940	1070 µL Automation Tips	96	4,800
317501	C41863	190 µL Automation **Filter** Tips	96	4,800
317101	C59585	1000 µL Automation **Filter** Tips	96	4,800

Deep Well Plates

Upgrade



The length and width of the deep well plate comply with the SBS international standards. The depth of wells is increased based on the appearance and size of normal plates (mainly 96-well and 384-well plates) to enlarge the volume of each well. In addition, the manufacturing material (currently mostly used is polypropylene (PP)) is changed and the surface treatment process has been improved for this series of deep well plates to adapt to its specific use range. The deep well plates of NEST have a variety of specifications, conforming with the needs of fully automatic workstations and experiments.

Features

- USP VI Polypropylene material, High chemical stability.
- Temperature range: -80°C to 120°C.
- Autoclavable.
- Centrifugal strength up to 3,000xg.
- Compatible with multichannel pipettes and automatic equipment.
- Optimized bottom design to minimize residual volume.
- Clear alphanumeric codes for easy identification.
- Conform to SBS/ ANSI.
- Specific 96 well deep plate used in nucleic acid extraction.
- Stackable, reliable tight sealing.
- Non-pyogenic, DNase/RNase free.

Usage

- **Sample storage:** it can replace the conventional 1.5ml centrifuge tube to store samples, and can be arranged tidily to save space, with large storage capacity, and can withstand the -80℃ refrigerator condition. Therefore, it's also called storage plate.
- **Sample processing:**it can be used and combined with multipass pipettes, high-throughput automatic liquid processors and respective softwares to allow the high-throughput operation of biological samples, for example, protein precipitation, liquid extraction, nucleic acid extraction,etc. Greatly improving the efficiency of sample processing. Can withstand high temperature and high pressure sterilization at 121℃.
- **Sample injection:**suitable for the automatic devices of various companies, it can be directly placed in the sample compartment of the automatic device for injection. Compared to conventional sample injection, it can not only double the sample amount placed in the sample compartment, but also realizes the direct sample injection of samples after processing on the 96-well plate, eliminating the tedious work of pipetting and placing samples back and forth.

Deep Well Plates

Round Well


504102


501101/501601


502102/502162


503102/503162


507001/507101

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

Plastic Tip Comb


509211/509261(Sterilized)


509001


503361/503311

Cat.No.	Description	Sterile	/Pack	/Case
509001	24-Plastic Tip Comb, Compatible with 510001	Sterile	1	25
509211	8-Plastic Tip Comb, U-Bottom, Compatible with 503711 / 503761	Non-Sterile	2	50
509261	8-Plastic Tip Comb, U-Bottom, Compatible with 503711 / 503761	Sterile	2	50
503361	96-Plastic Tip Combs, Compatible with Kingfiser Flex&Presto	Sterile	2	25
503311	96-Plastic Tip Combs, Compatible with Kingfiser Flex&Presto	Non-Sterile	2	25


501002/501062


503001/503501


503002/503062


503021/503621


504002/504062


503711/503761

Square Well

Cat.No.	Description	Sterile	/Pack	/Case
504002	4.6 mL 48-Well Deep Well Plate, U-Bottom, Square Well	Sterile	5	50
504062	4.6 mL 48-Well Deep Well Plate, U-Bottom, Square Well	Non-Sterile	5	50
501002	1.0 mL 96-Well Deep Well Plate, U-Bottom, Square Well	Non-Sterile	5	50
501062	1.0 mL 96-Well Deep Well Plate, U-Bottom, Square Well	Sterile	5	50
502002	1.6 mL 96-Well Deep Well Plate, U-Bottom, Square Well	customizable	5	50
503001	2.0 mL 96-Well Deep Well Plate, V-Bottom, Square Well	Non-Sterile	5	50
503501	2.0 mL 96-Well Deep Well Plate, V-Bottom, Square Well	Sterile	5	50
503002	2.2 mL 96-Well Deep Well Plate, U-Bottom, Square Well	Non-Sterile	5	50
503062	2.2 mL 96-Well Deep Well Plate, U-Bottom, Square Well	Sterile	5	50
503711	2.2mL, 96-well, I-shaped, Square Well, U-Bottom	Non-Sterile	5	50
503761	2.2mL, 96-well, I-shaped, Square Well, U-Bottom	Sterile	5	50
510011	16mL 24-Well Deep Well Plate+Plastic Comb, Square Well, V-Bottom	Sterile	1	50
510001	16mL 24-Well Deep Well Plate, Square Well, V-Bottom	Sterile	1	50
503621	2.2 mL 96-Well Deep Well Plate, V-Bottom, Square Well, Compatible with Kingfiser Flex&Presto	Sterile	5	50
503021	2.2 mL 96-Well Deep Well Plate, V-Bottom, Square Well, Compatible with Kingfiser Flex&Presto	Non-Sterile	5	50
500621	0.5 mL 96-Well Deep Well Plate, V-Bottom, Square Well, Compatible with Kingfiser Flex&Presto	Sterile	5	50
500021	0.5 mL 96-Well Deep Well Plate, V-Bottom, Square Well, Compatible with Kingfiser Flex&Presto	Non-Sterile	5	50

Silicone Sealing Mat, Non-Sterile

Cat.No.	Description	/Pack	/Case
506003	96 Well Square Well Silicone Sealing Mat	10	50
506004	96 Well Square Well Silicone Sealing Mat, Can be Punctured	10	50
506005	96 Well Round Well Silicone Sealing Mat, Can be Punctured, Fits all 0.35 - 1.0 mL 96 well round well plates	10	50
506006	96 Well Round Well Silicone Sealing Mat, Fits 2.0 mL 96 Well Round Well Plates	10	50

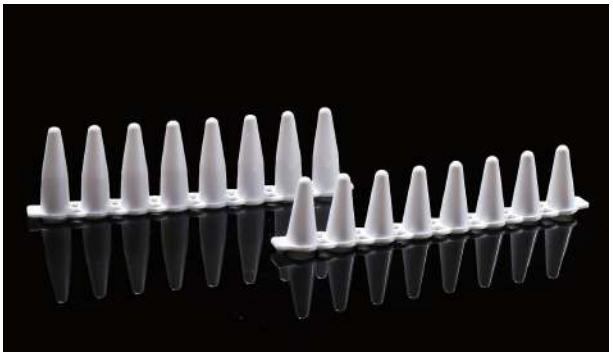
PCR Tubes & Caps

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

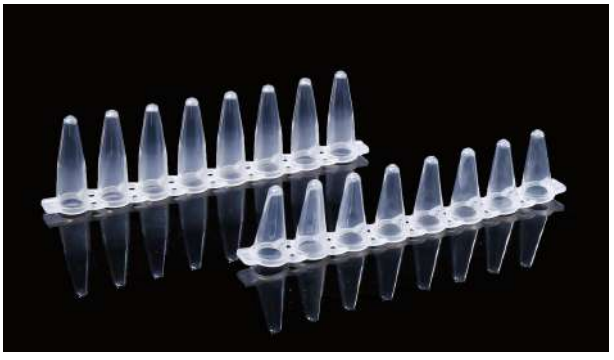
Cat.No.	Volume (mL)	/Pack	/Case
403112	0.1	125	1,250
403012	0.2	125	1,250

PCR 8-strip Tube Caps

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

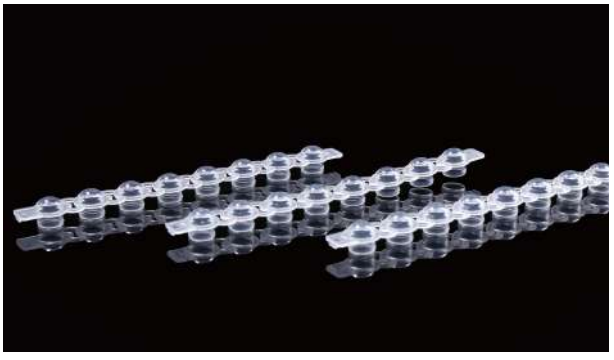
PCR 8-strip Tubes with Individual Caps Attached

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

PCR Plates

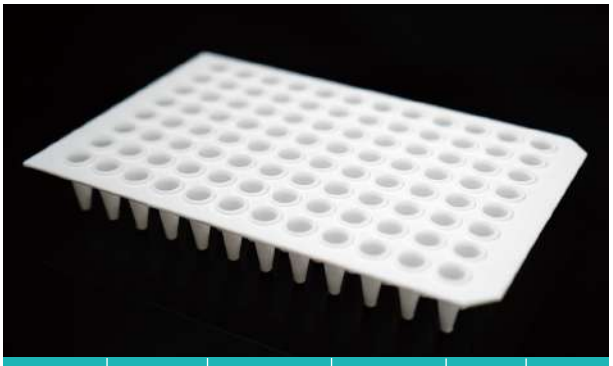
When using a thermal cycler with fluorescence detector above the samples, NEST white PCR plates effectively prevent crosstalk between wells. The Nest white PCR plate also allows for high accuracy of detection when signal intensity is low. Nest clear PCR plates are designed for PCR machines where the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

Compatible with Roche Systems

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



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

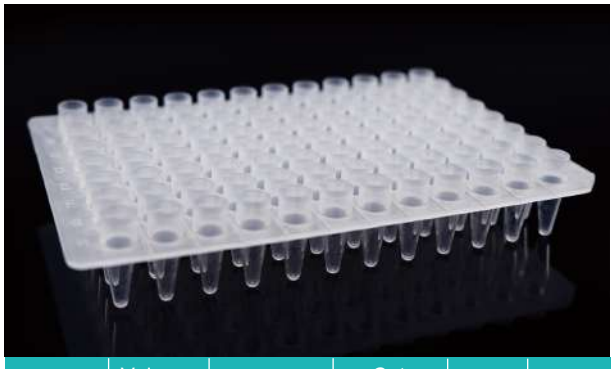
Cat.No.	Volume (uL)	Skirt Type	Cut Position	/Pack	/Case
409013	40	Semi Skirt	A24/P24	10	50

PCR Adaptation Table

Brand	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

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

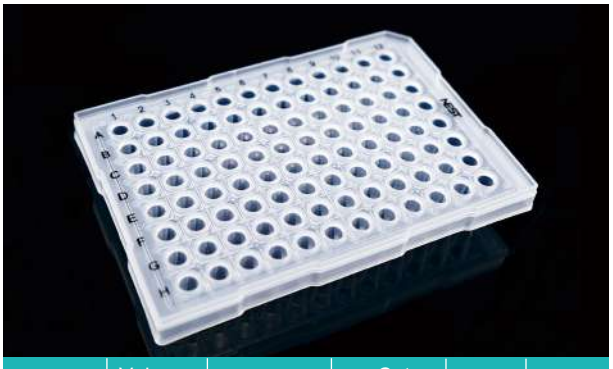
Cat.No.	Volume (mL)	Skirt Type	Cut Position	/Pack	/Case
402111	0.1	No Skirt	H12	25	100

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.

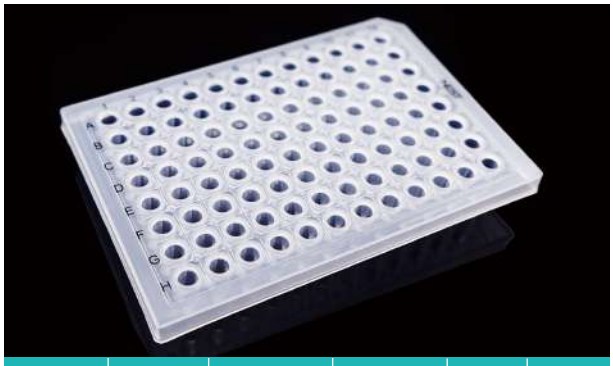
Cat.No.	Volume (mL)	Skirt Type	Cut Position	/Pack	/Case
402401	0.1	Semi Skirt	A1	25	100



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

PCR 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℃ To 110℃	100	500
410011	Advanced Sealing Film, -70℃ To 100℃	100	500

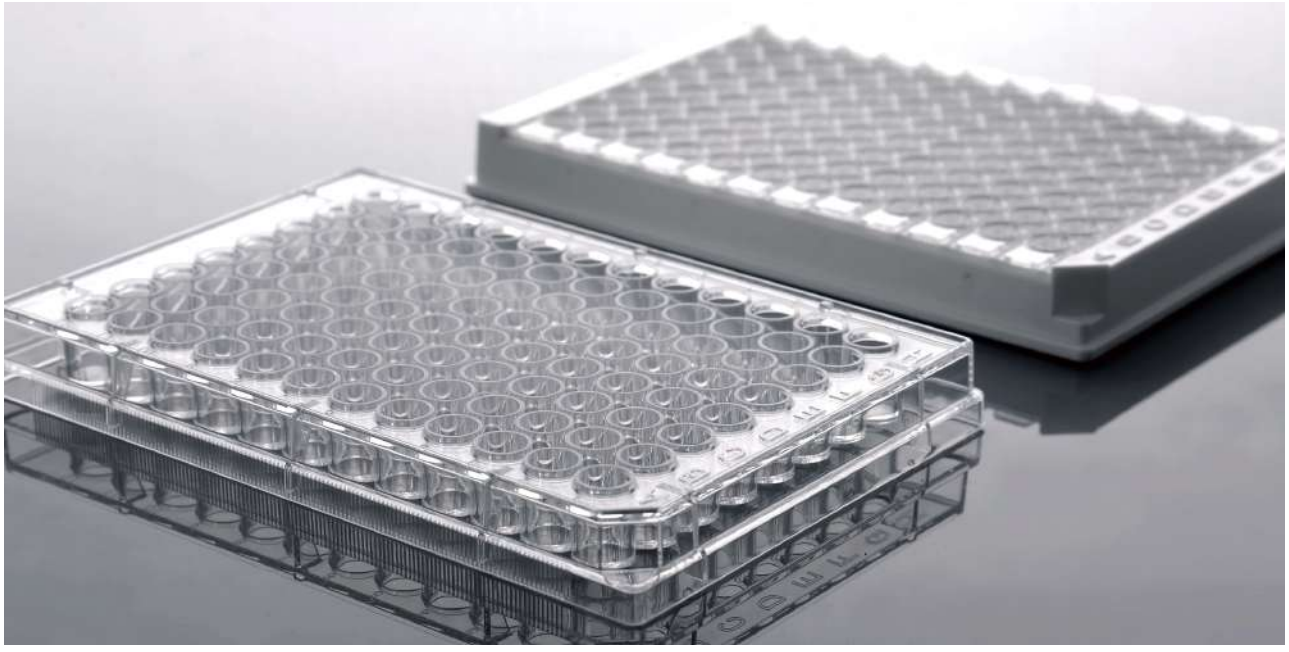
Brand	Instrument Model	PCR Tube			PCR Plate							
Applied Biosystems®	2720	401001	403002/404001		402001	402301					402601	
	9600	401001	403002/404001		402001	402301					402601	
	9700	401001	403002/404001		402001	402301					402601	
	9800Fast			403102				402401	402101			
	Veriti/Fast			403102	402001	402301		402401	402101		402601	
	7000	401001	403002/404001		402001	402301					402601	
	7300	401001	403002/404001		402001	402301					402601	
	7500/Fast	401001	403002/404001	403102	402001	402301		402401	402101		402601	
	7700	401001	403002/404001		402001	402301					402601	
	7900HT/Fast	401001	403002/404001	403102	402001	402301		402401	402101		402601	
	StepOne			403102				402401	402101	402812		
	StepOnePlus			403102				402401	402101	402812		
	ProflexPCRSystem	401001	403002/404001		402001	402301					402601	
	QuantStudio 12K	401001	403002/404001		402001	402301					402601	
	ViiA7/Fast	401001	403002/404001	403102	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		402001	402301	402501					
	Mastercycler® ep realplex	401001	403002/404001		402001	402301	402501					
	Mastercycler ep	401001	403002/404001		402001	402301	402501					
	Mastercycler nexus	401001	403002/404001		402001	402301	402501					
	Mastercycler nexus eco	401001	403002/404001		402001	402301	402501					
	Mastercycler nexus flat	401001										
	Mastercycler nexus flat ec	401001	403002/404001									
	Mastercycler nexus gradie	401001	403002/404001		402001	402301	402501					
	Mastercycler nexus gradie	401001	403002/404001		402001	402301	402501					
	Mastercycler nexus GSX1	401001	403002/404001		402001	402301	402501					
	Mastercycler nexus GSX1	401001	403002/404001		402001	402301	402501					
	Mastercycler nexus SX1	401001	403002/404001		402001	402301	402501					
	Mastercycler nexus SX1e	401001	403002/404001		402001	402301	402501					
	Mastercycler pro/S	401001	403002/404001		402001	402301	402501					
Stratagene	Mx3000®	401001	403002/404001		402001	402301						
	Mx3000P®	401001	403002/404001		402001	402301						
	Mx3005®	401001	403002/404001		402001	402301						
	Mx4000®	401001	403002/404001		402001	402301						
Agilentc	SureCycler®8800	401001	403002/404001	403102	402001	402301	402501	402401				
	ARIA MX G8830A									402812		
	Opticon2			403102			402501		402101	402812		
Qiagen®	Flexigene®	401001	403002/404001		402001	402301	402501					
	Rotor-Gene® Q	401001										

Brand	Instrument Model	PCR Tube			PCR Plate							
Biorad® / MJ Researsh®	C1000™ Touch™	401001	403002/404001		402001	402301	402501					
	DNA Engine Dyad®/Dyad	401001	403002/404001		402001	402301	402501					
	Engine Tetrad®2	401001	403002/404001		402001	402301	402501					
	MyCycler™	401001	403002/404001		402001	402301	402501					
	PTC-100®	401001	403002/404001		402001	402301	402501					
	PTC-200	401001	403002/404001		402001	402301	402501					
	PTC-225 Tetrad	401001	403002/404001		402001	402301	402501					
	S1000™	401001	403002/404001		402001	402301	402501					
	T100™	401001	403002/404001		402001	402301	402501					
	CFX Connect™	401001	403002/404001	403102	402001	402301	402501		402101			
	CFX96™ Touch/CFX96	401001	403002/404001	403102	402001	402301	402501		402101	402812		
	Chromo4™	401001	403002/404001		402001	402301	402501					
	DNA Engine Opticon®2	401001	403002/404001		402001	402301	402501					
	iCycler	401001	403002/404001		402001	402301	402501					
	iQ™5	401001	403002/404001		402001	402301	402501					
	MiniOpticon™	401001	403002/404001		402001	402301	402501					
	MyiQ™	401001	403002/404001		402001	402301	402501					
	Opticon			403102			402501		402101			
	miniOpticon									402812		
	BaseStation™					402301	402501					
	MJ research option									402812		
Analytik Jena / Biometra	FlexCycler	401001	403002/404001	403102	402001	402301	402501		402101			
	T1 Thermal Cycler	401001	403002/404001	403102	402001	402301	402501		402101			
	TGradient	401001	403002/404001	403102	402001	402301	402501		402101			
	Tpersonal	401001	403002/404001	403102	402001	402301	402501		402101			
	TProfessional/Basic	401001	403002/404001	403102	402001	402301	402501		402101			
	TProfessional/Standard	401001	403002/404001	403102	402001	402301	402501		402101			
	TProfessional/TIRO	401001	403002/404001	403102	402001	402301	402501		402101			
	TRobot	401001	403002/404001	403102	402001	402301	402501		402101			
	Uno	401001	403002/404001	403102	402001	402301	402501		402101			
	Uno II	401001	403002/404001	403102	402001	402301	402501		402101			
	q TOWER	401001	403002/404001		402001	402301	402501					
	SpeedCycler^2	401001	403002/404001		402001	402301	402501					
	TOptical	401001	403002/404001		402001	402301	402501					
Thermo Hybaid	Multiblock System	401001	403002/404001		402001	402301	402501		402101			
	T1 Thermal Cycler	401001	403002/404001		402001	402301	402501		402101			
	Omn-E	401001	403002/404001		402001	402301	402501		402101			
	Omnigene	401001	403002/404001		402001	402301	402501		402101			
	PCR Express	401001	403002/404001		402001	402301	402501		402101			
	PCR Sprint	401001	403002/404001									
	Px2	401001	403002/404001		402001	402301	402501		402101			
	PxE	401001	403002/404001		402001	402301	402501		402101			
	Touchdown	401001	403002/404001		402001	402301	402501		402101			
	3Prime	401001	403002/404001									

Brand	Instrument Model	PCR Tube			PCR Plate							
Techne®	3PrimeG	401001	403002/404001									
	3PrimeX	401001	403002/404001									
	Cyclogene™	401001	403002/404001		402001	402301	402501					
	Flexigene™	401001	403002/404001		402001	402301	402501					
	Genius	401001	403002/404001		402001	402301	402501					
	Genius Quad	401001	403002/404001		402001	402301	402501					
	Genius(TC412)	401001	403002/404001		402001	402301	402501		402101			
	Prime	401001	403002/404001		402001	402301	402501					
	Prime Elite	401001	403002/404001		402001	402301	402501					
	Prime Elite Satellite	401001	403002/404001		402001	402301	402501					
	PrimeG	401001	403002/404001		402001	402301	402501					
	Touchgene®Gradient(TC5	401001	403002/404001	403102	402001	402301	402501		402101			
	Touchgene®X	401001	403002/404001	403102	402001	402301	402501		402101			
	PrimeQ	401001	403002/404001		402001	402301	402501					
	Quantica®	401001	403002/404001		402001	402301	402501					
Ericom	Deltacycler I	401001	403002/404001		402001	402301			402101			
	Single Block	401001	403002/404001		402001	402301			402101			
	Twin Block	401001	403002/404001		402001	402301			402101			
MWG®	Primus 96	401001	403002/404001	403102	402001	402301	402501		402101			
PeqLab®	peqSTAR 96	401001	403002/404001		402001	402301	402501					
SensoQuest	Thermocycle 96	401001	403002/404001		402001	402301	402501					
Stratagene	Robocycler	401001	403002/404001		402001	402301	402501					
TaKaRa®	TP240	401001	403002/404001		402001	402301	402501					
	TP3000	401001	403002/404001	403102	402001	402301	402501		402101			
Amersham® GE®	MegaBACE®500					402301	402501					
	MegaBACE1000					402301	402501					402201
Beckman Coul	CEQ™					402301						
Transgenomic	WAVE®System					402301	402501					
天隆	TL988-IV									402812		
Biorad® / MJ Researsh®	C1000™ Touch™	401001	403002/404001		402001	402301	402501					
	DNA Engine Dyad®/Dyad	401001	403002/404001		402001	402301	402501					
	Engine Tetrad®2	401001	403002/404001		402001	402301	402501					
	MyCycler™	401001	403002/404001		402001	402301	402501					
	PTC-100®	401001	403002/404001		402001	402301	402501					
	PTC-200	401001	403002/404001		402001	402301	402501					
	PTC-225 Tetrad	401001	403002/404001		402001	402301	402501					
	S1000™	401001	403002/404001		402001	402301	402501					
	T100™	401001	403002/404001		402001	402301	402501					
	CFX Connect™	401001	403002/404001	403102	402001	402301	402501		402101			
	CFX96™ Touch	401001	403002/404001	403102	402001	402301	402501		402101			
	Chromo4™	401001	403002/404001		402001	402301	402501					
	DNA Engine Opticon®2	401001	403002/404001		402001	402301	402501					
	iCycler	401001	403002/404001		402001	402301	402501					
	iQ™5	401001	403002/404001		402001	402301	402501					
	MiniOpticon™	401001	403002/404001		402001	402301	402501					

Brand	Instrument Model	PCR Tube			PCR Plate							
	MyiQ™	401001	403002/404001		402001	402301	402501					
	Opticon			403102			402501		402101			
	BaseStation™					402301	402501					
	Opticon2			403102			402501		402101			
Analytik Jena / Biometra	FlexCycler	401001	403002/404001	403102	402001	402301	402501		402101			
	T1 Thermal Cycler	401001	403002/404001	403102	402001	402301	402501		402101			
	TGradient	401001	403002/404001	403102	402001	402301	402501		402101			
	Tpersonal	401001	403002/404001	403102	402001	402301	402501		402101			
	TProfessional/Basic	401001	403002/404001	403102	402001	402301	402501		402101			
	TProfessional/Standard	401001	403002/404001	403102	402001	402301	402501		402101			
	TProfessional/TIRO	401001	403002/404001	403102	402001	402301	402501		402101			
	TRobot	401001	403002/404001	403102	402001	402301	402501		402101			
	Uno	401001	403002/404001	403102	402001	402301	402501		402101			
	Uno II	401001	403002/404001	403102	402001	402301	402501		402101			
	q TOWER	401001	403002/404001		402001	402301	402501					
	SpeedCycler^2	401001	403002/404001		402001	402301	402501					
	TOptical	401001	403002/404001		402001	402301	402501					
Thermo Hybaid	Multiblock System	401001	403002/404001		402001	402301	402501		402101			
	T1 Thermal Cycler	401001	403002/404001		402001	402301	402501		402101			
	Omn-E	401001	403002/404001		402001	402301	402501		402101			
	Omnigene	401001	403002/404001		402001	402301	402501		402101			
	PCR Express	401001	403002/404001		402001	402301	402501		402101			
	PCR Sprint	401001	403002/404001									
	Px2	401001	403002/404001		402001	402301	402501		402101			
	PxE	401001	403002/404001		402001	402301	402501		402101			
	Touchdown	401001	403002/404001		402001	402301	402501		402101			
Techne®	3Prime	401001	403002/404001									
	3PrimeG	401001	403002/404001									
	3PrimeX	401001	403002/404001									
	Cyclogene™	401001	403002/404001		402001	402301	402501					
	Flexigene™	401001	403002/404001		402001	402301	402501					
	Genius	401001	403002/404001		402001	402301	402501					
	Genius Quad	401001	403002/404001		402001	402301	402501					
	Genius(TC412)	401001	403002/404001		402001	402301	402501		402101			
	Prime	401001	403002/404001		402001	402301	402501					
	Prime Elite	401001	403002/404001		402001	402301	402501					
	Prime Elite Satellite	401001	403002/404001		402001	402301	402501					
	PrimeG	401001	403002/404001		402001	402301	402501					
	Touchgene®Gradient(TC5	401001	403002/404001	403102	402001	402301	402501		402101			
	Touchgene®X	401001	403002/404001	403102	402001	402301	402501		402101			
	PrimeQ	401001	403002/404001		402001	402301	402501					
	Quantica®	401001	403002/404001		402001	402301	402501					

ELISA Plates

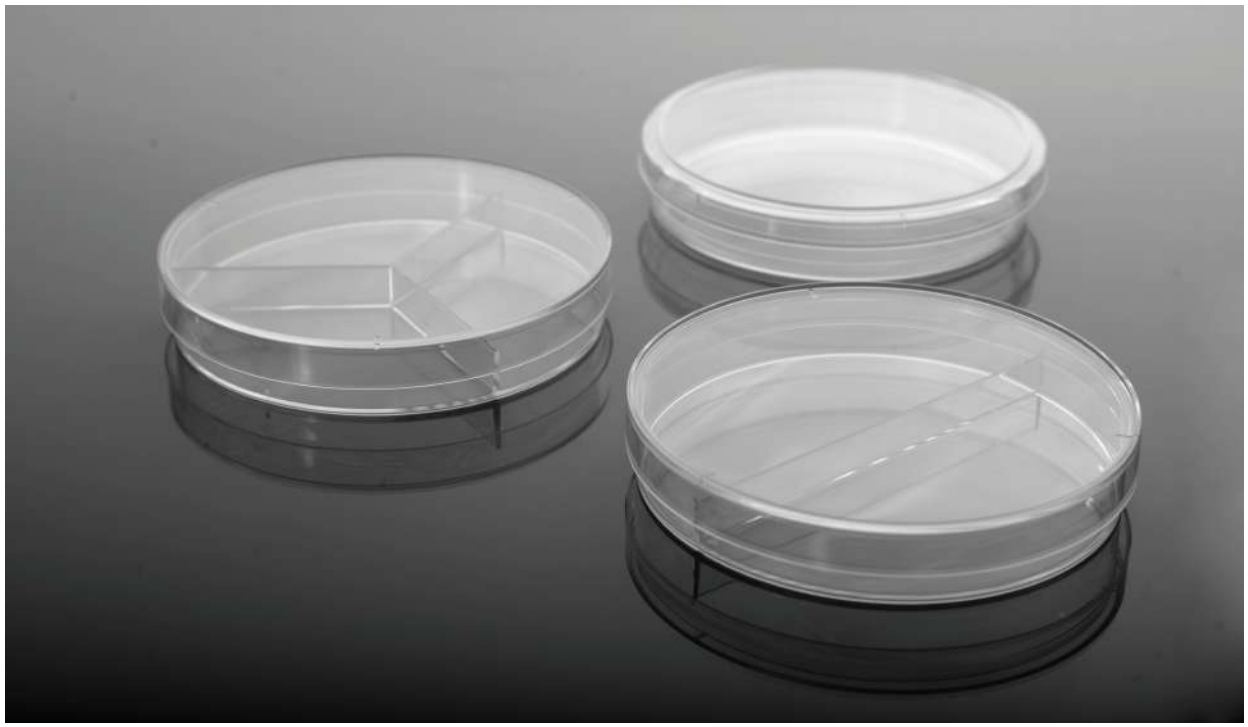


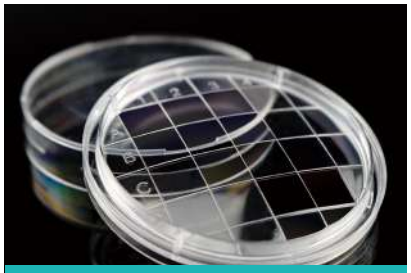
Cat.No.	Description	Spec (well)	Color	/Pack	/Case
504201	Detachable, High Binding, Clear	96	White Frame & Transparent Well	5	50
514201	Undetachable, High Binding, Clear	96	Transparent	5	50

Cuvettes

Cat.No.	Description	/Pack	/Case
370011	3.5 mL Standard Cuvette, 10 mm, PS, Range 340-800 nm	100	1000
370211	1.5 mL Semi-Micro Cuvette, 10 mm, PS, Range 340-800 nm	100	1000

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^{-6}.
- 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

L-Spreader

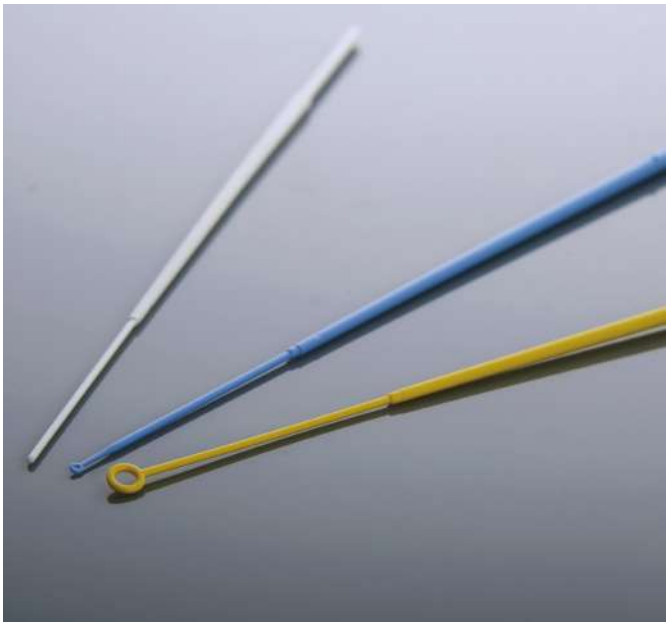
Using a grinding tool with high precision in combination with an ergonomic design, the efficient sterile L-Spreader specialized for Asian scientific researchers is developed and manufactured to effectively solve problems such as contamination or uneven application of spread plate in bio-labs, which helps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

Features

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

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

Innoculating 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

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

Tips: Customized sterilized product.

Square Shape PET 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

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

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

Tips: Do not autoclave.

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℃; HDPE can be stored at -80℃.
- 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)

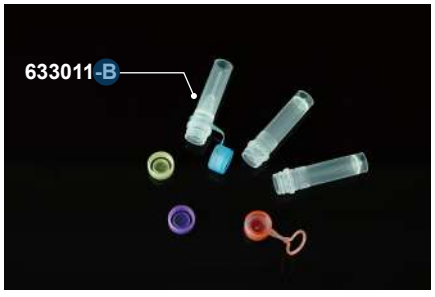
Cat.No.	Volume (mL)	Material	/Pack	/Case
335101	8	HDPE	20	400
336101	15	HDPE	20	400
337101	30	HDPE	10	200
338101	60	HDPE	10	200
339101	125	HDPE	10	100
340101	250	HDPE	10	100
341101	500	HDPE	5	50

Sample Vials

Features

Six Cap Colors

Six cap colors (blue, red, yellow, purple, green and white) for personalized identification of different types of reagents in a faster and more convenient way.

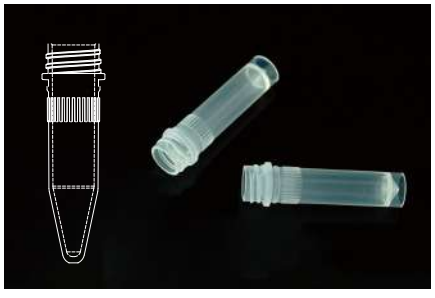


Upgraded Product Cat.No.

The vial cap color corresponds to the product code, which means that each code indicates a color.

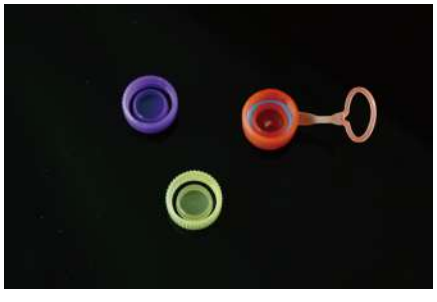
Upgraded material

It is made of transparent polymer polypropylene (PP) satisfactory to Class-6 standards, free of heavy metal ions, and applicable in proteomics, drug research and development, and genome.



Knurling Design on Vial Bodies

Special knurling design enables the vial to be stuck in the special base and tightened with a single hand.



Upgraded Leakproofness

The flexible O-ring in the screw cap ensures safe closure of the micro spiral vial and a sound sealing effect. It meets ADR & IATA standards, and is free of liquid leakage during negative pressure 0.95bar test.

Upgraded Centrifugal Force

High centrifugal strength up to 20,000xg.

Sample Vials

• 4 Specifications

0.5 mL Self-standing, 1.5 mL Self-standing, 1.5 mL Conical bottom, 2.0 mL Self-standing, meeting demands of different applications

• Round Bottom, Self-standing

3 styles with self-standing round bottom design, making the vial placed on the lab workbench steadily.

• Electron Beam Sterilization SAL=10^{-6}

safe, fast, environment-friendly, no chemical residue.

• Class 100,000 clean rooms

Production and quality control are performed strictly in accordance with corresponding SOP.

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

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

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: 0.05 mm

Nitrile Powder Free Examination Gloves

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

Colloidal Oatmeal Coated Nitrile Gloves

Oats Extractions

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

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

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

Latex Powder Free Examination Gloves

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

Colloidal Oatmeal Coated Latex Gloves

Oats Extractions

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

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

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	1,000

Disposable Sampler

AMIES Transport Medium

Universal Transport Medium

Viral Transport Medium

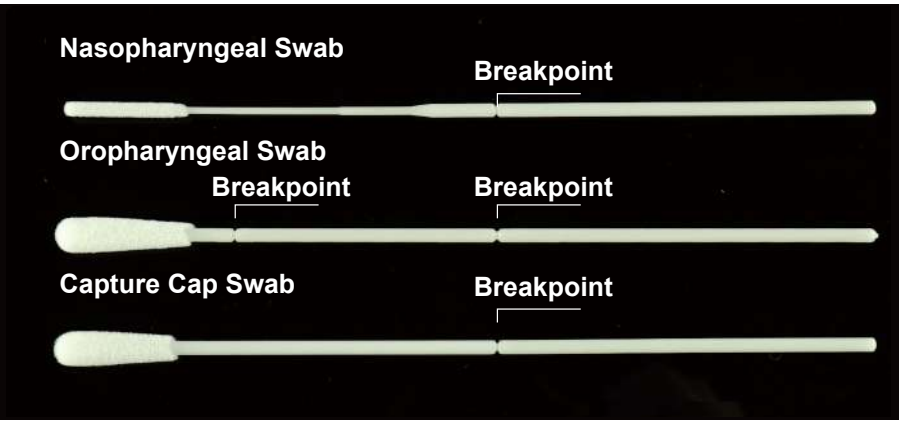
Inactivation Transport Medium

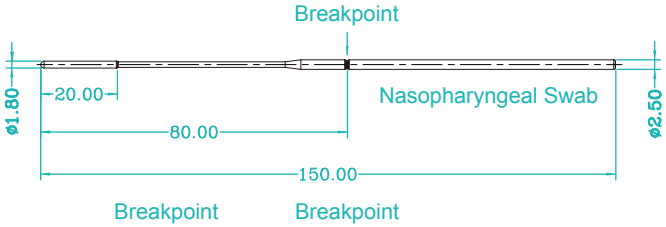
Saline Solution

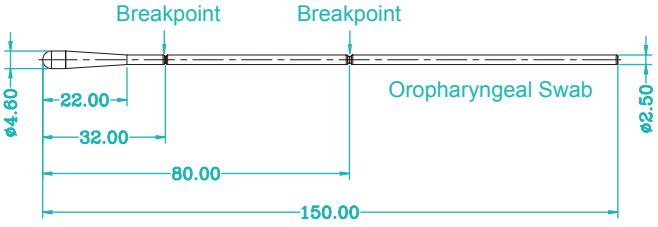
Three Types of Swabs

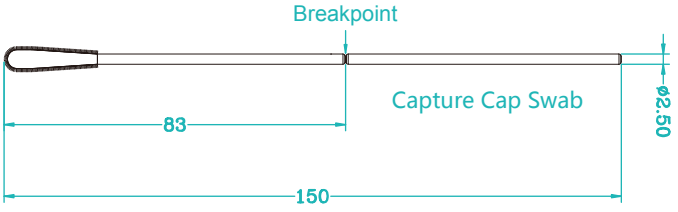
ADVANTAGE:

- 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



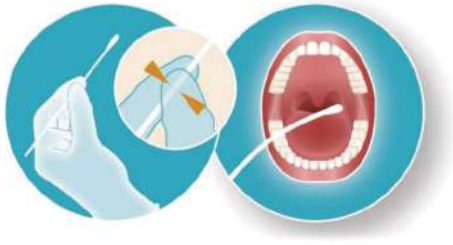






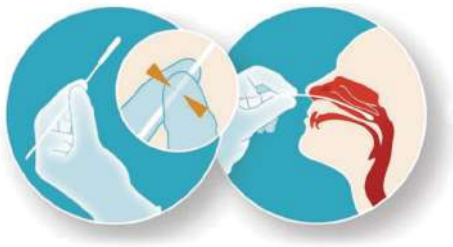
Cat.No.	Descriptions	/Pack	/Case
202003	Oropharyngeal Specimen Collection Swab, Individually Wrapped, Sterile	100	5000
202004	Nasopharyngeal Specimen Collection Swab, Individually Wrapped, Sterile	100	5000
202401	Oropharyngeal Specimen Collection Swab, Capture Cap Swabs, Individually Wrapped, Sterile	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

Features

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

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

Inactivation Transport Medium

Features

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

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

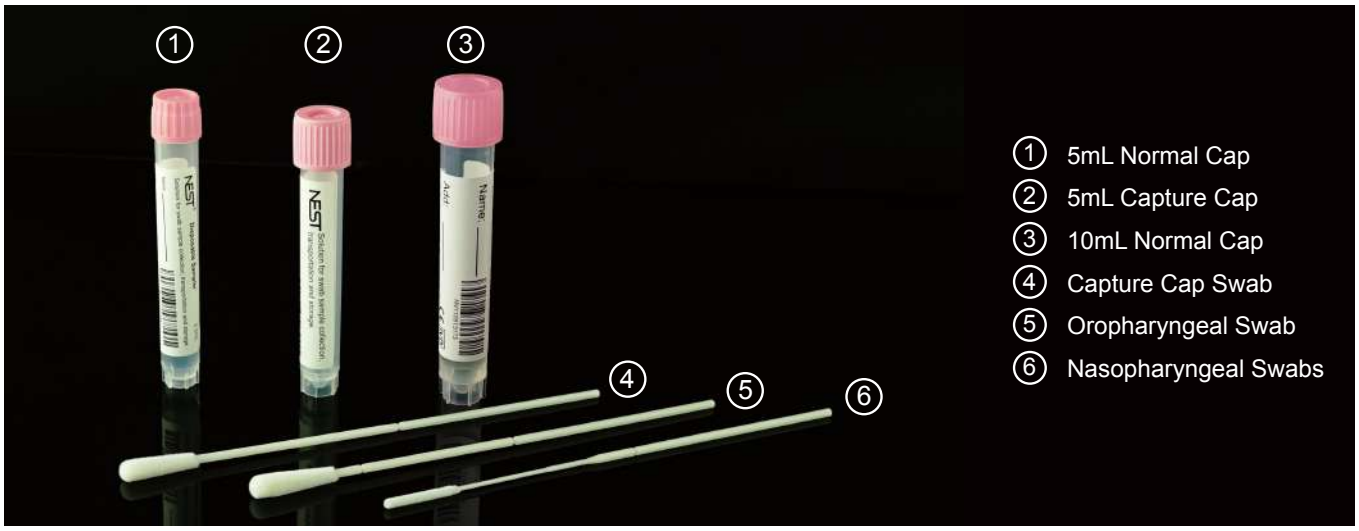
Saline Transport Medium

Features

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

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

AMIES Transport Medium



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 1.5log10 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).

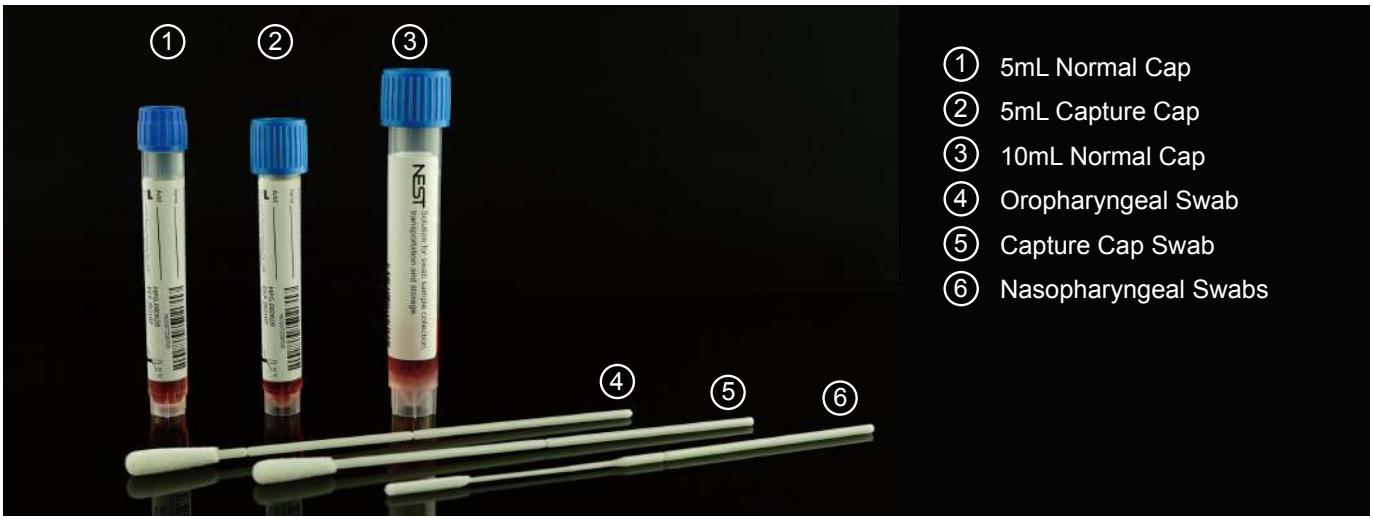
Capture Cap & Swab

- 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

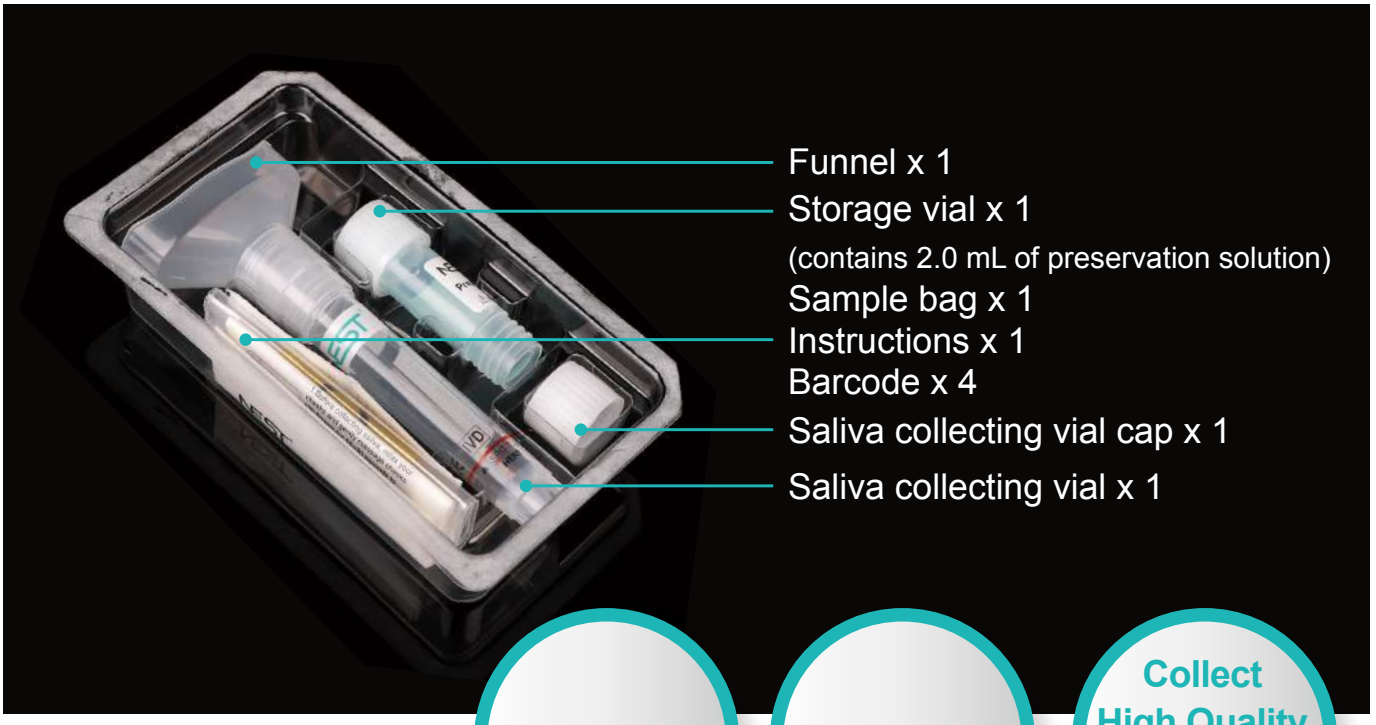
203112

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



Painless

Safe

Collect High Quality Saliva Sample

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.

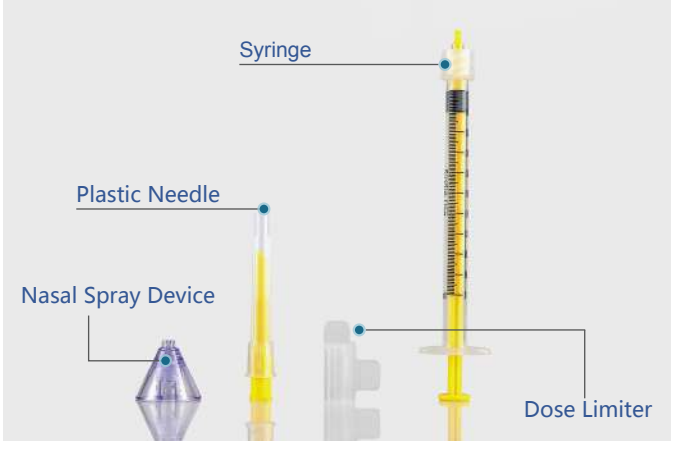
Cat.No.	Description	/Pack	/Case
203011	Disposable Sampler, Saliva Collection Kit with ITM, Each Kit Includes a 10 mL Vial with a Funnel, a Separate 5 mL Vial Filled with 2.0 mL ITM, Sterile Pack, 100 kits/case	1	100

Disposable Intranasal Atomization Device

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

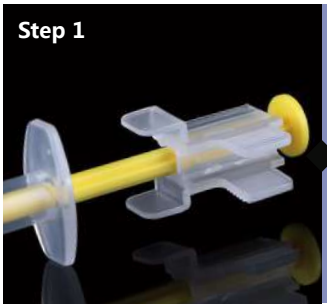


Product Parameters

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.



Eliminate Air
Calibrate Dose to 0.2 ml

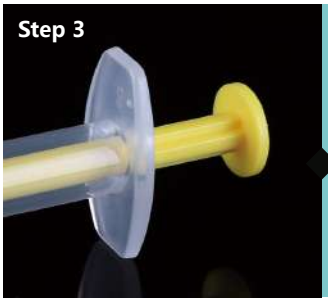
Mount the dose limiter on push rod just like the picture on the left shows, then press the push rod until the top of dose limiter meets the bottom of tube like picture on the right shows. This step will eliminate the air and calibrate dose to 0.2 ml automatically.

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

Watch operation video

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 the bottom of tube. The 0.1 ml dose injection was completed precisely.



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

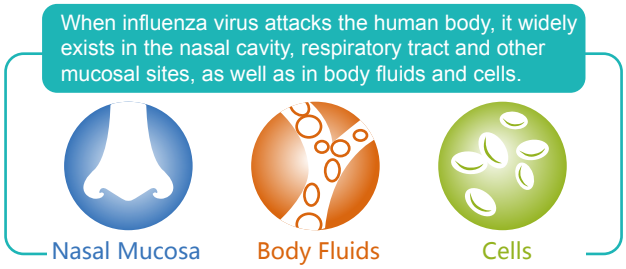
Mucosal Immunity & Humoral Immunity & Cellular Immunity

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).

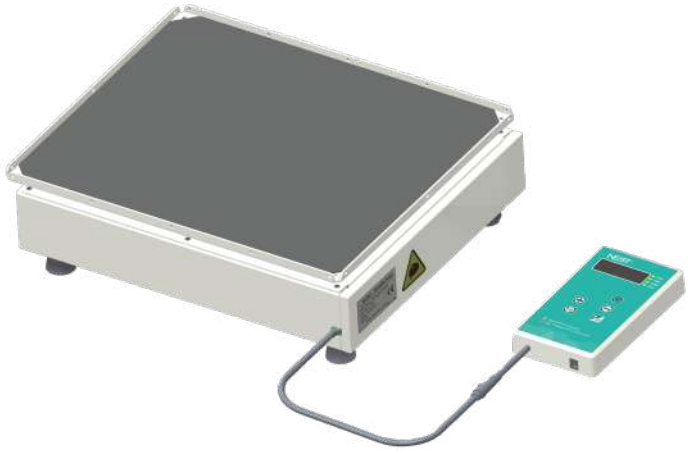
▲Arousing humoral immunity (IgG antibodies) to clear influenza viruses from body fluids.

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



Pre Potting Disposable Intranasal Atomization Device Coming soon. . .

CO_2 Orbital Shaker



Features

- Orbital shaking through magnetic power eliminates the need to replace belts;
- Small footprint ideal for use in a CO_2 incubator;
- Specially treated mechanical components protect up to 20% CO_2 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_2 chamber are not effected;
- CO_2 resistant shaker can be used outside of CO_2 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_2 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℃
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℃
Outside Dimensions	Φ96xH85mm
Power	5W
Power Supply	AC100~240V,50/60Hz
Weight	0.55kg

Variable Speed Tube Revolver with Digital Display

Rotisserie Paddles
For 10mL / 15mL Tubes

Rotisserie Paddles
For 1.5mL / 2mL Tubes

Rotisserie Paddles
For 5mL / 7mL Tubes

Rotisserie Paddles
For 0.5mL / 0.8mL Tubes

Features

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

Rotisserie Paddles
For 50mL Tubes

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

ISO 9001 ISO 11137 ISO 13485 FDA CE

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