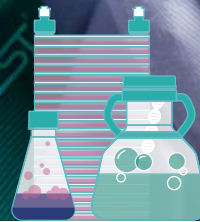
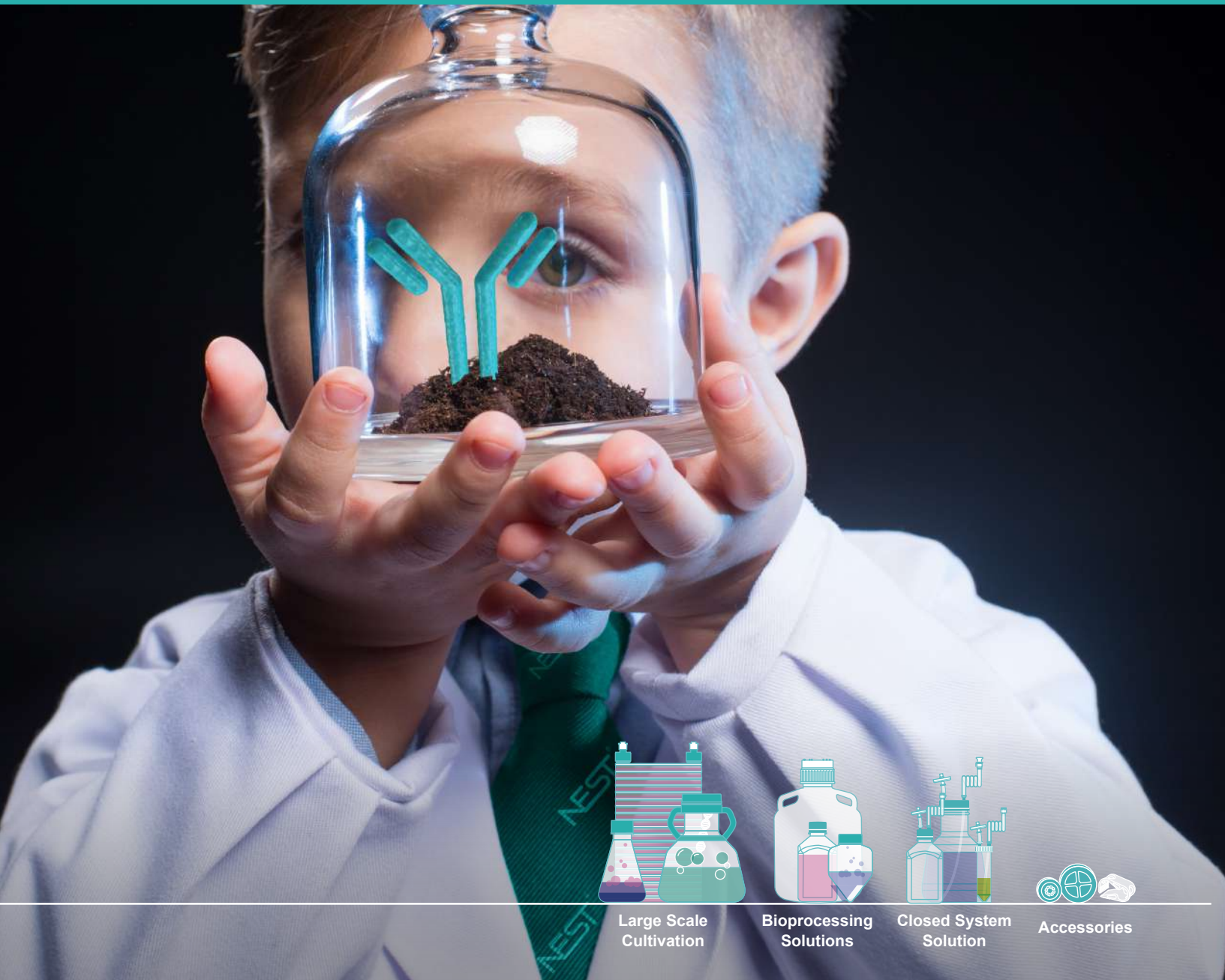


Your best choice for laboratory and medical consumables



Large Scale Cultivation



Bioprocessing Solutions



Closed System Solution



Accessories

## NEST Bioprocessing Solutions

One-stop solution service for Bioindustry

# Company Profile

## A leading life science plastic consumables manufacturer.

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

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

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

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

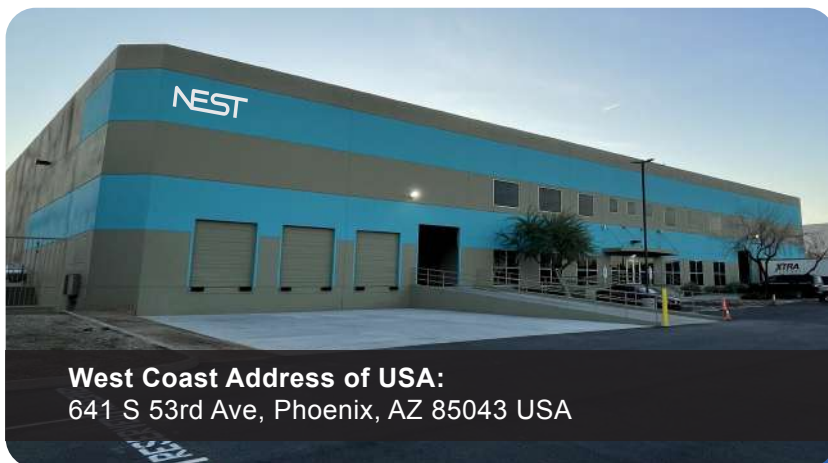
2020, NEST obtained the medical device production license.

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

---

## Your best choice for medical laboratory consumables.

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



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

**NEST Scientific Inc. (USA)**



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

# Contents

## Large Scale Cultivation..... 01-13

5-Layer Cell Culture Flask .....	02
Biofactory™ .....	03
BioFactory™ (Cap with Overcap).....	06
PETG Erlenmeyer Flask, Flat-bottom.....	08
PC Erlenmeyer Flask , Flat-bottom .....	09
PC Erlenmeyer Flask, Baffled .....	10
PC Erlenmeyer Flask , High Efficiency .....	11
PC High Efficient Erlenmeyer Flask, with Baffle	13

## Bioprocessing Solutions..... 14-17

Square Storage Bottle .....	15
250 mL & 500 mL Centrifuge Tube.....	16
Carboy .....	17

## Closed System Solution..... 18-26

BioFactory™ Closed System Solution .....	20
High Efficient Erlenmeyer Flask Closed System	21
Transfer Caps for High Efficient Erlenmeyer Flasks .....	23
Square Storage Bottle Closed System Solution	25
Centrifuge Tube Closed System Solution .....	26
Erlenmeyer Flask Closed System Solution .....	27

## Accessories..... 27-28

**Wuxi NEST Biotechnology Co., Ltd.**







# Large Scale Cultivation



# 5-Layer Cell Culture Flask

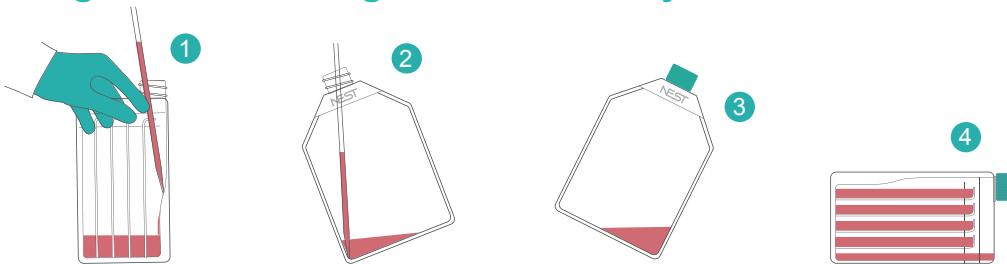


## Features

- Made of high clarity, 100% virgin polystyrene.
- Sterilized by E-beam, SAL=10<sup>-6</sup>.
- Non-Pyrogenic, DNase/Rnase free.
- Growth area: 870 cm<sup>2</sup>.
- Individually packaged in sterile bag.

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

## User guide for seeding cells into a 5-layer Cell Culture Flask



1. Prepare cell suspension of the required concentration, then mix it with medium evenly in a container. A volume of 30-50 mL per layer is recommended.
2. Slowly add the mixed solution into the 5-layer Cell Culture Flask with a serological pipette. To avoid foam or bubbles, it is recommended to set the pipette firmly against the wall, enable the stream to flow along the slope, and save a little liquid in the pipette each time.  
*Notes: While a 10 ml pipette can disperse the medium at the bottom, a 25 ml pipette will only reach up to the NEST mark to disperse the medium.*
3. Position the Multi-layer Flask upright with the NEST mark facing you, tilt it 45° clockwise and let stand in this position for a while to level the liquid in each layer.
4. Gently lay it flat onto the workbench with NEST mark facing upwards.  
5. Gently shake it from side to side to distribute cells evenly onto culture surfaces.  
*Notes: be careful to shake gently to avoid foam or bubbles and spilling liquid from each layer.*
6. Transfer the flask to the incubator for incubation

## Culture medium removal

### 1. Aspiration

Tilt the flask 45° clockwise with the NEST mark facing you. counter-clock wise to a 45° angle while inverting the Multi-Flask toward you. Then reach the serological pipette into the bottom for fully aspiration.

### 2. Pouring

Tilt the flask 45° counterclockwise with the NEST mark facing you, pour the spent media from the flask.

*Tips: A NEST 10mL serological pipette is suggested for fully aspiration.*

## Cell harvesting

1. Rinse off the residual serum with buffer, add digestion solution (≥5mL per layer) and mix evenly. Then, follow Steps 3-4 to distribute to dissociating reagent to each layer.
2. Let stand for 2 min, then neutralize and mix with inactivating solution following steps 3-4. Gently swirl to dislodge cells completely.
3. Transfer the solution in a centrifuge tube or other containers by aspiration or pouring.
4. Rinse the flask with buffer for three times, then transfer the buffer into the centrifuge tube for passage and counting.

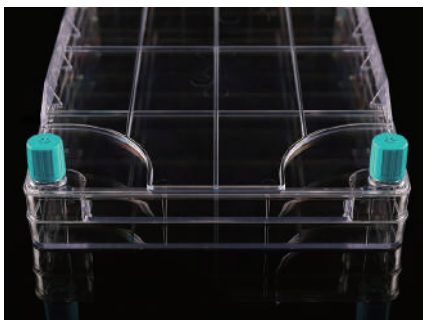
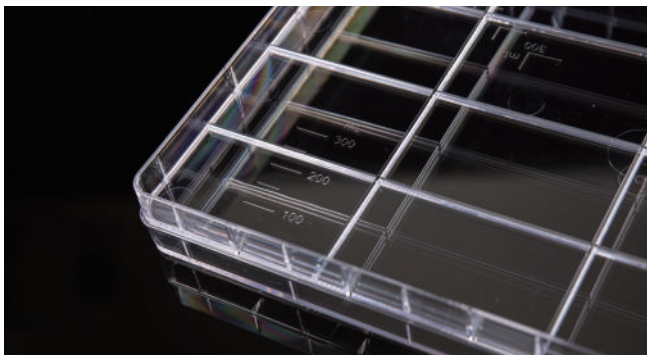
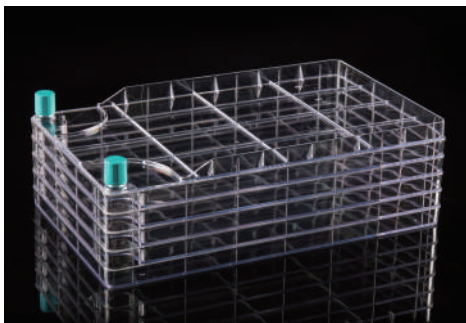
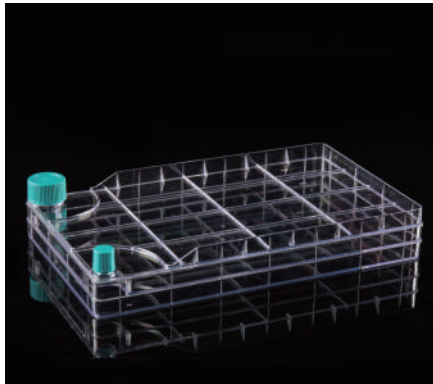
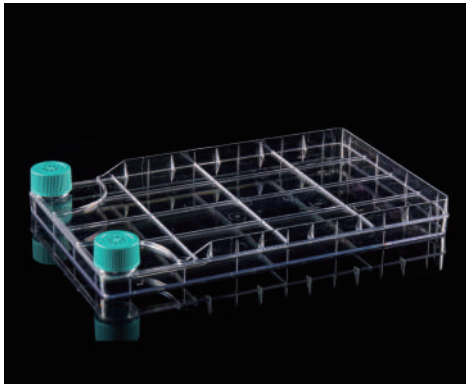
*Tips: Search "NEST Multi-layer Flask" video on YouTube(@nestwuxi4075).*

# BioFactory™

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

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

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





## Strict product quality supervision

### Production environment--Class 10,000 clean production workshop

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

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

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

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

### Surface treatment--Tissue culture treated

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

### Product expiration date verification

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

### Biosafety testing

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

### Physical and chemical safety testing

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

### Process testing

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

### Cell growth test

Cell growth homogeneity experiment.

### Cell factory validation test--Sterility and particle guarantee

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

### Applicable cells

VERO、MRC-5、2BS、293T、L-929 .....

### Packaging strength verification

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

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

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

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

## Features

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

Cat.No.	Layer	Cultivation Area (cm <sup>2</sup> )	Description	/Case
771001	1	632	<b>2 Wide Plug Seal Caps</b> with 16 Sterile Vent Caps Included Separately	8
771101	2	1,264	<b>2 Wide Plug Seal Caps</b> with 16 Sterile Vent Caps Included Separately	8
771204	5	3,160	<b>2 Wide Plug Seal Caps</b> with 8 Sterile Vent Caps Included Separately	4
771302	10	6,320	<b>2 Wide Plug Seal Caps</b> with 12 Sterile Vent Caps Included Separately	6
771403	40	25,280	<b>2 Wide Plug Seal Caps</b> with 4 Sterile Vent Caps Included Separately	2
772001	1	632	<b>2 Narrow Plug Seal Caps</b> with 16 Sterile Vent Caps Included Separately	8
772101	2	1,264	<b>2 Narrow Plug Seal Caps</b> with 16 Sterile Vent Caps Included Separately	8
772204	5	3,160	<b>2 Narrow Plug Seal Caps</b> with 8 Sterile Vent Caps Included Separately	4
772302	10	6,320	<b>2 Narrow Plug Seal Caps</b> with 12 Sterile Vent Caps Included Separately	6
772403	40	25,280	<b>2 Narrow Plug Seal Caps</b> with 4 Sterile Vent Caps Included Separately	2
773001	1	632	<b>1 Wide + 1 Narrow Plug Seal Cap</b> with 16 Sterile Vent Caps Included Separately	8
773101	2	1,264	<b>1 Wide + 1 Narrow Plug Seal Cap</b> with 16 Sterile Vent Caps Included Separately	8
773204	5	3,160	<b>1 Wide+ 1 Narrow Plug Seal Cap</b> with 8 Sterile Vent Caps Included Separately	4
773302	10	6,320	<b>1 Wide + 1 Narrow Plug Seal Cap</b> with 12 Sterile Vent Caps Included Separately	6
773403	40	25,280	<b>1 Wide + 1 Narrow Plug Seal Cap</b> with 4 Sterile Vent Caps Included Separately	2

Large mouth design for easy pouring of the medium directly;

Small mouth design for easy connection with the feeding systems;

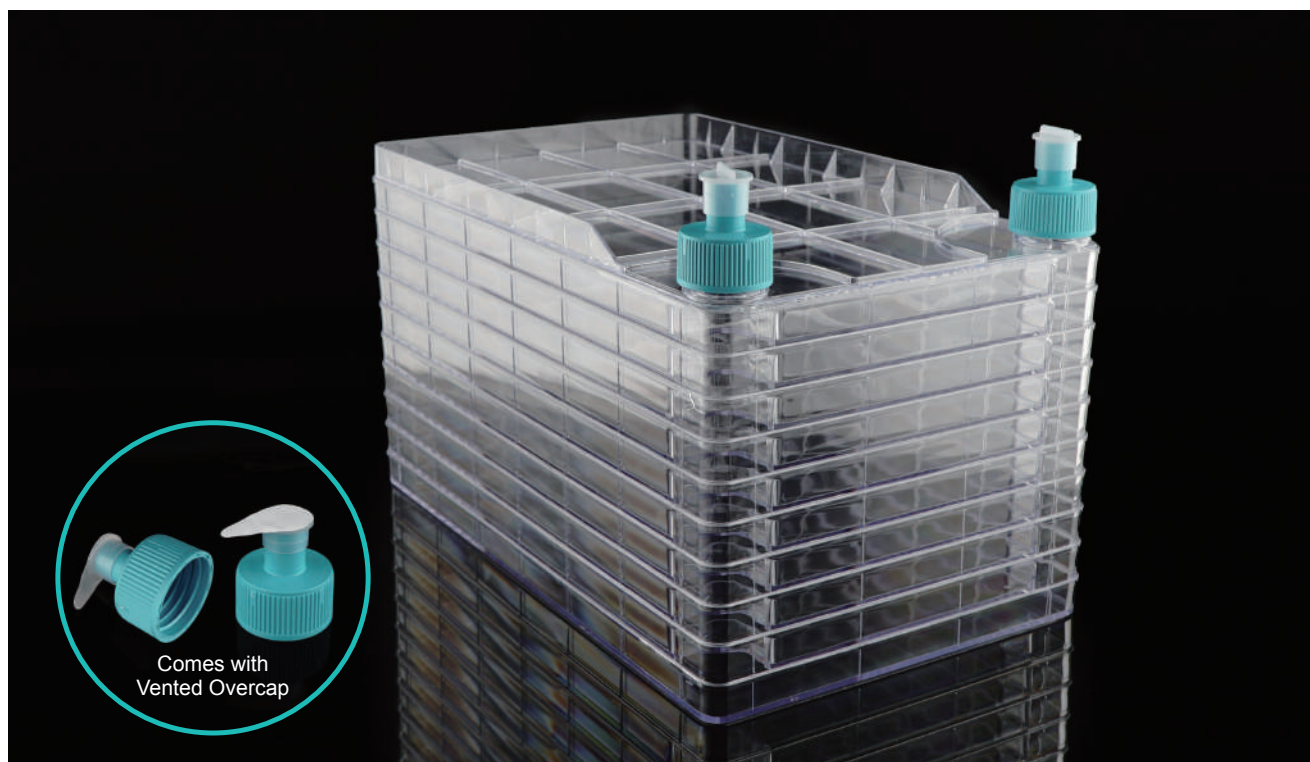
Vent Cap : 0.22 µm hydrophobic gas permeable membrane, hindering bacteria and water, can also avoid liquid swelling.



# BioFactory™ (Cap with Over cap)

## Features

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



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



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

# Guidelines for use

## Cell culture



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



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



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



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



Put the BioFactory™ into the incubator.



Watch operation video

## Precautions

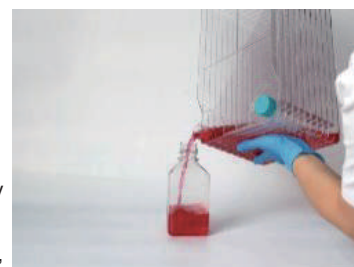
1. Please pre-heat the cell factory and culture medium to the culture temperature: since it takes a long time for a large incubator to reach the set culture temperature, pre-heating the cell factory and culture medium to the culture temperature before starting the experiment may speed up cell attachment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

## Cell Harvest

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

## Precautions

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





# PETG Erlenmeyer Flask, Flat-bottom



## Features

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

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

# PC Erlenmeyer Flask, Flat-bottom



## Features

- PC Bottle.
- Vent caps with 0.2  $\mu\text{m}$  hydrophobic filters for gas exchange without contamination.
- Individually packaged in sterile bags
- Sterilized by E-beam, SAL=10<sup>-6</sup>.
- Non-Pyrogenic, DNase/Rnase free.

Cat.No.	Volume (mL)	Cap Style	Size(mm)			/Case
			Height	Bottleneck Diameter	Bottom Diameter	
781101	125 mL	Seal Cap	106.8	34	66	24
781111	125 mL	Vent Filter Cap	106.8	34	66	24
782101	250 mL	Seal Cap	137.8	34	83	12
782111	250 mL	Vent Filter Cap	137.8	34	83	12
783101	500 mL	Seal Cap	175.8	39	101	12
783111	500 mL	Vent Filter Cap	175.8	39	101	12
784101	1000 mL	Seal Cap	213.3	39	127	6
784111	1000 mL	Vent Filter Cap	213.3	39	127	6
785001	2000 mL	Seal Cap	285	47	162	6
785011	2000 mL	Vent Filter Cap	285	47	162	6
786001	3000 mL	Seal Cap	253	67	230	4
786011	3000 mL	Vent Filter Cap	253	67	230	4

## Precautions

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

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

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

# PC Erlenmeyer Flask, Baffled



## Advantage of Baffled Bottom

Baffle-designed Erlenmeyer Flasks with flask shakers provide optimal and consistent solution after agitated.

## Features

- PC Bottle.
- Vent caps with 0.2  $\mu\text{m}$  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.	Description	Dimension (mm)			/Case
		Height	Bottleneck Dia	Bottom Dia	
781201	125 mL PC Conical Erlenmeyer Flasks, with Baffles, Seal Caps	106.8	34	66	24
781211	125 mL PC Conical Erlenmeyer Flasks, with Baffles, Vent Filter Caps	106.8	34	66	24
782201	250 mL PC Conical Erlenmeyer Flasks, with Baffles, Seal Caps	137.8	34	83	12
782211	250 mL PC Conical Erlenmeyer Flasks, with Baffles, Vent Filter Caps	137.8	34	83	12
783201	500 mL PC Conical Erlenmeyer Flasks, with Baffles, Seal Caps	175.8	39	101	12
783211	500 mL PC Conical Erlenmeyer Flasks, with Baffles, Vent Filter Caps	175.8	39	101	12
784201	1000 mL PC Conical Erlenmeyer Flasks, with Baffles, Seal Caps	213.3	39	127	6
784211	1000 mL PC Conical Erlenmeyer Flasks, with Baffles, Vent Filter Caps	213.3	39	127	6



# PC Erlenmeyer Flask, High Efficiency



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

## Features

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

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

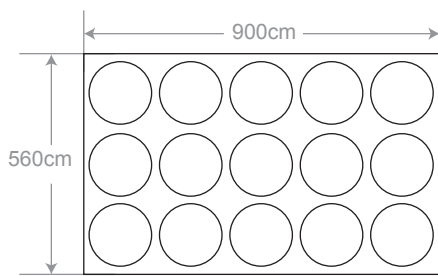
The bottom diameter of the 3L wide-mouth high efficiency erlenmeyer flask is consistent with that of the 3L high efficiency erlenmeyer flask, and its mouth diameter adopts the neck size of the 5L high efficiency erlenmeyer flask, which not only saves space usage, but also increases oxygen flux, also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



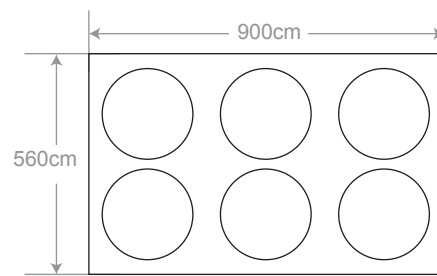
# Feature

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

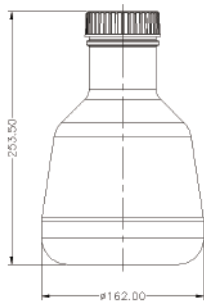
## High Efficient Erlenmeyer Flask VS Erlenmeyer Flask



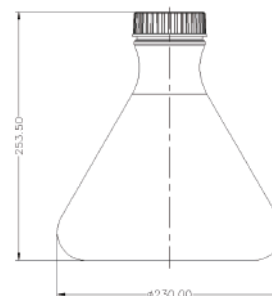
3L High Efficiency Erlenmeyer Flask



3L Erlenmeyer Flask



3L High Efficiency Erlenmeyer Flask



3L Erlenmeyer Flask

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

- As for the same shaker, more 3L High Efficient Erlenmeyer Flask can be placed on, which greatly reduce the usage rate and client's R&D costs of the shaker.
- 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 Efficient Erlenmeyer Flask, with Baffle



## Advantage of Baffled Bottom

Baffle-designed Erlenmeyer Flasks with flask shakers provide optimal and consistent solution after agitated.

## Features

- Qualified by the USP Class 6 Standard, PC bottle with high transparency, is resistant to strong impact, oxidation and high temperature up to 121 °C.
- There's an injection-molded scale on the flask body for liquid volume observation.
- Sterilized by E-beam, SAL=10<sup>-6</sup>.
- Non-Pyrogenic, DNase/Rnase free.
- Individually packaged in sterile bag.

Cat.No.	Description	Dimension (mm)			/Case
		Height	Bottleneck Dia	Bottom Dia	
785105	2L PC High Efficient Erlenmeyer Flasks, with Baffles, Seal Caps	213.5	67	162	4
785115	2L PC High Efficient Erlenmeyer Flasks, with Baffles, Vent Filter Caps	213.5	67	162	4
786105	3L PC High Efficient Erlenmeyer Flasks, with Baffles, Seal Caps	253.5	67	162	4
786115	3L PC High Efficient Erlenmeyer Flasks, with Baffles, Vent Filter Caps	253.5	67	162	4
786505	3L PC High Efficient Erlenmeyer Flasks, Wide-mouth, with Baffles, Seal Caps	253.5	90	162	4
786515	3L PC High Efficient Erlenmeyer Flasks, Wide-mouth, with Baffles, Vent Filter Caps	253.5	90	162	4
787005	5L PC High Efficient Erlenmeyer Flasks, with Baffles, Seal Caps	285.5	90	230	4
787015	5L PC High Efficient Erlenmeyer Flasks, with Baffles, Vent Filter Caps	285.5	90	230	4





# Bioprocessing Solutions

# Square Storage Bottle



NEST's Square Storage Bottle is an ideal option of storage and transportation container for culture medium, serum, buffer, intermediates and reagents for biopharmaceutical and biotechnology companies, reagent R&D institutions, etc. The two kinds of raw materials of the bottle, PET and PETG, are both in line with USP Class VI Class USP<661> biocompatibility requirements and ISO10993 Quality System.

## Features

- PET wall is light in weight and resistant to low temperature, while PETG wall is thick, durable, and resistant to fracture.
- High chemical durability, suitable for the storage of high purity reagent, standard particle materials and samples.
- High transparency, strong mechanical strength and shock resistance, and convenient for observation and transportation.
- Highly tolerant of low temperature, UV rays, and resistant to fracture.
- Smooth inner surface can minimize the residue on the wall.
- Sterile, DNase/RNase/Pyrogen free.



Calibration clear

## Application

- Storage or sampling of active pharmaceutical ingredients and bulk intermediates.
- Experiments or storage of buffers, culture solutions, intermediates and supernatants, etc.
- Storage of specific PH-sensitive liquid.

## Precaution

- Unfit for autoclave.
- Not a vessel to be heated.

Cat.No.	Description	/Pack	/Case
354111	30 mL PETG Square Storage Bottle, Sterile	5	40
354511	60 mL PETG Square Storage Bottle, Sterile	6	48
353511	125 mL PETG Square Storage Bottle, Sterile	6	48
352511	250 mL PETG Square Storage Bottle, Sterile	6	48
333511	500 mL PETG Square Storage Bottle, Sterile	8	24
334511	1000 mL PETG Square Storage Bottle, Sterile	4	12
354611	60 mL PET Square Storage Bottle, Sterile	6	48
353611	125 mL PET Square Storage Bottle, Sterile	6	48
352611	250 mL PET Square Storage Bottle, Sterile	6	48
333001	500 mL PET Square Storage Bottle, Sterile	8	24
334001	1000 mL PET Square Storage Bottle, Sterile	4	12



Cat.No.	Description	/Pack	/Case
354113	30 mL PETG Square Storage Bottle, Sterile	40	7
354513	60 mL PETG Square Storage Bottle, Sterile	40	5
353513	125 mL PETG Square Storage Bottle, Sterile	24	4
352513	250 mL PETG Square Storage Bottle, Sterile	30	2
333513	500 mL PETG Square Storage Bottle, Sterile	20	2
334513	1000 mL PETG Square Storage Bottle, Sterile	12	2



# 250 mL & 500 mL Centrifuge Tube



500 mL Racked

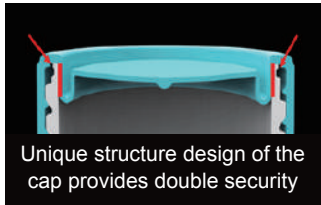


250 mL Racked

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

## Application

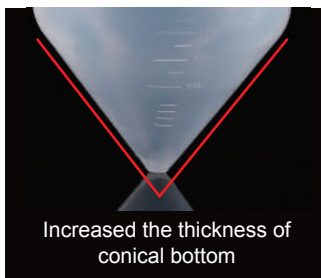
- Separation of sediments after chemical reactions for harvest and application.
- Harvest of biomacromolecules, inorganics and organics.
- In biochemistry and other biological fields, usually used to centrifuge and collect a large volume of cells, biomacromolecules and supernatants.



Unique structure design of the cap provides double security



Newly added o-ring



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 °C~120 °C.
- Clear scale.
- DNase, RNase and pyrogen free.
- Electron beam sterilization, SAL=10<sup>-6</sup>.
- Separation of sediments after chemical reactions for harvest and application.
- Harvest of biomacromolecules, inorganics and organics.
- In biochemistry and other biological fields, usually used to centrifuge and collect a large volume of cells, biomacromolecules and supernatants.

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

# Carboy



## Product Description

The barrel, the tap and the screw cap of the carboy are made from polypropylene (PP) and the gasket is made from thermoplastic elastomer (TPE), all of which are autoclavable for sterilization before use to prevent the growth of bacteria and other microorganisms. It is mainly used for storing and dispensing solutions, culture medium, also ideal for sterile water. The barrel is moulded with a 1-gallon or 5 liter scale markings for easy identification of liquid levels during operation. The sealing performance is secured by the TPE gasket and the thread on the finish, which is well matched to the cap.

## Application

- Storage container for raw pharmaceutical materials or culture media that require autoclaving sterilization.
- Storage container for bulk raw pharmaceutical materials or other substances.
- Storage container for sterile water.

Cat.No.	Description	Sterilization	/Case
789001	10 L Carboy, Autoclavable, with Handle, with Tap	NO	4
789101	20 L Carboy, Autoclavable, with Handle, with Tap	NO	3
789011	10 L Carboy, Autoclavable, with Handle	NO	6
789111	20 L Carboy, Autoclavable, with Handle	NO	3

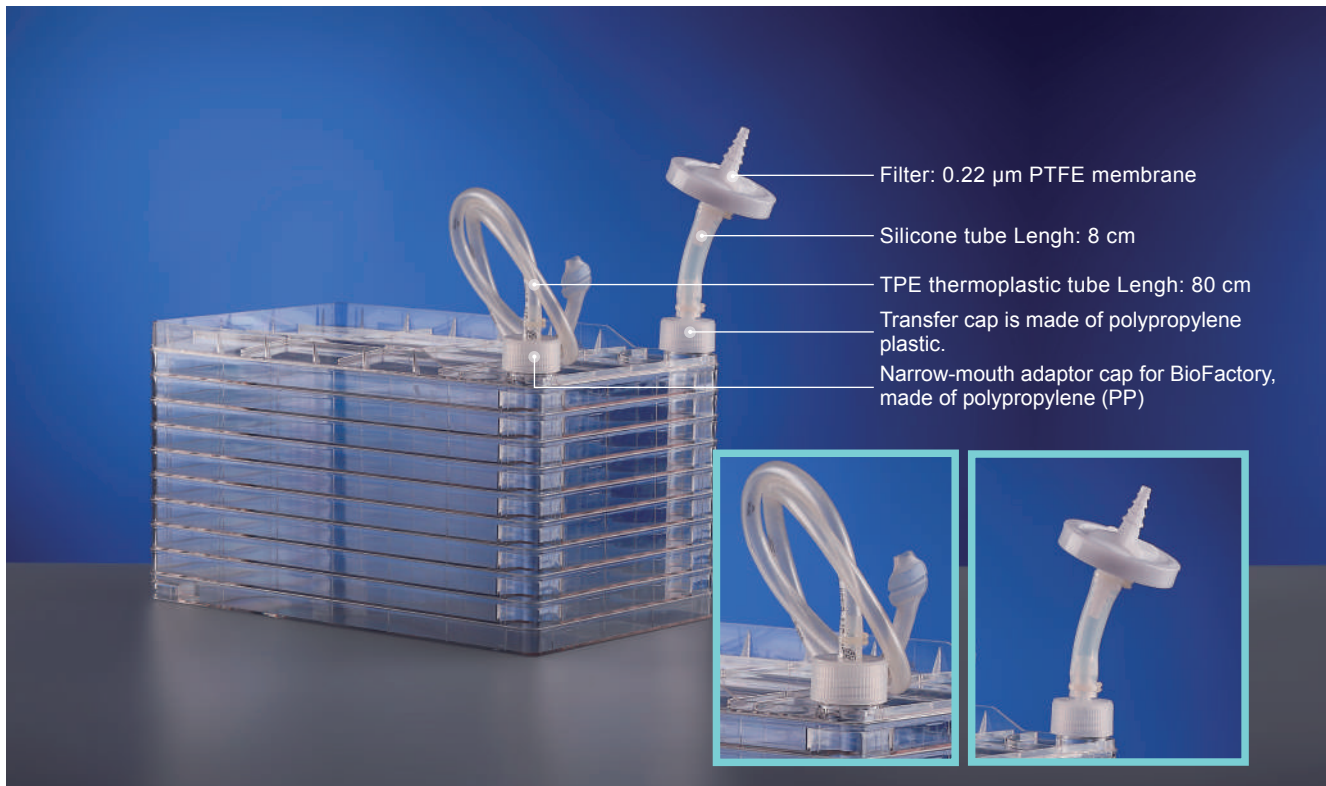


# Closed System Solution



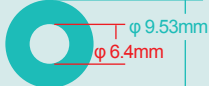
# Biofactory Closed System Solution

“NEST BioFactory™ (10 Chambers) pre-installed with transfer cap system” is a pre-installed set of transfer tubes and a filter, which can directly transfer culture media and cells to or out of BioFactory™ in a sterile environment. Pre-assembled tubes save the operations of designing, assembling and sterilization, lowering the risk of exogenous pollution in drug development and production and improving the production efficiency.

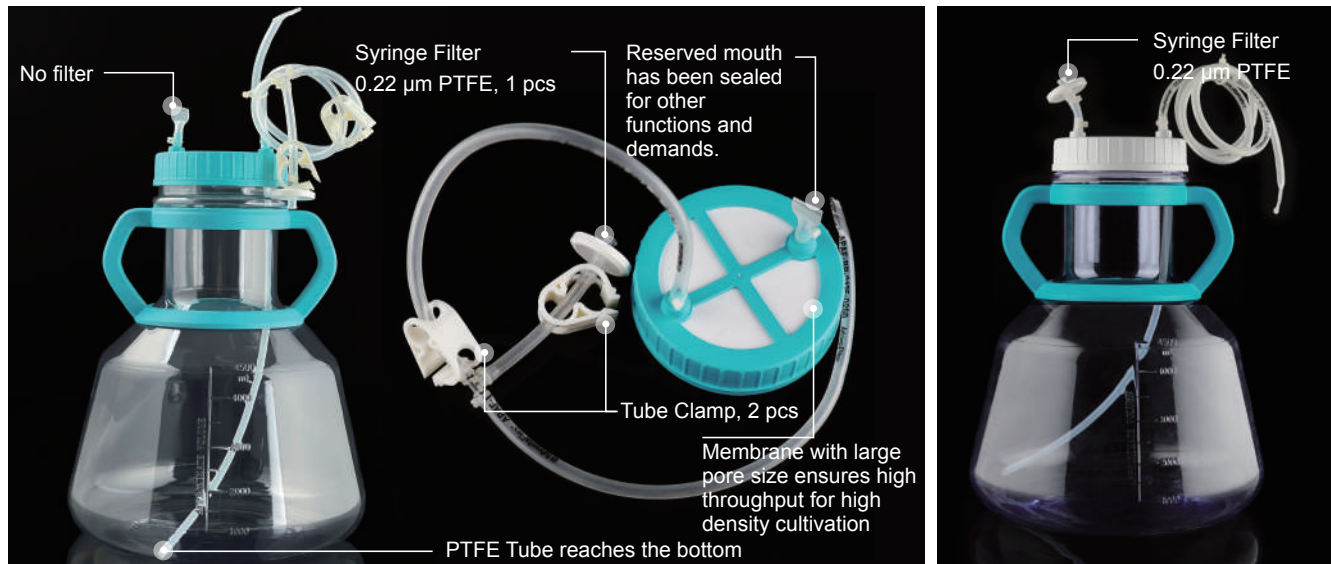


## Features

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

Cat.No.	Description	0.2μm Filter Membrane area	External Liquid Transfer Tube			/Case
			Connector	Dia.	Length	
C71554-BZD080A	Biofactory™ 10 Chamber	20 cm <sup>2</sup>	Heat Seal	TPE Tube: 1/4" ID, 3/8" OD 	80 cm	2

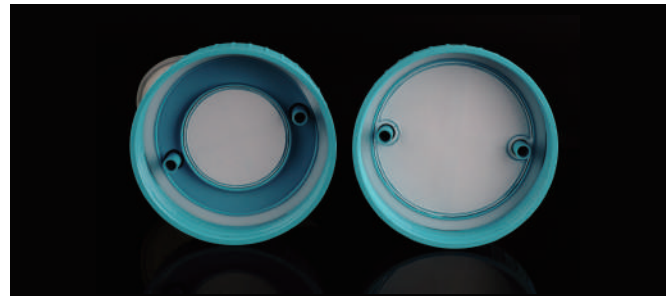
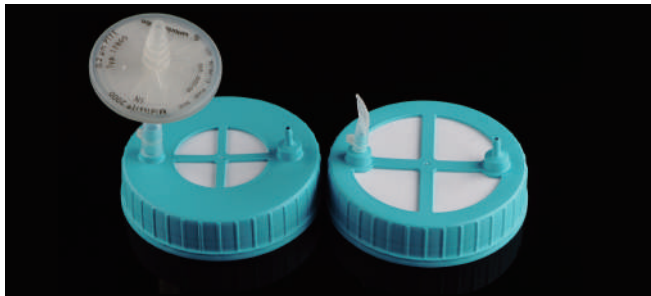
# High Efficient Erlenmeyer Flask Closed System



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



787081 New Product 5L High Efficient Erlenmeyer Flask with Tube



## Features

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

Cat.No.	Description	0.2μm Filter Membrane area	External Liquid Transfer Tube		/Case
			Dia.	Length	
C10122-AZB050A	2L High Efficiency Erlenmeyer Flask, Bi-directional Transfer Cap with TPE Tube	4.5 cm <sup>2</sup>	TPE Thermoplastic Hose, Hose Diameter: 1/8" ID, 1/4" OD Pipe Connect: Aseptic welding / Heat-seal	50 cm	4
C10222-AZB050A	3L High Efficiency Erlenmeyer Flask, Bi-directional Transfer Cap with TPE Tube	4.5 cm <sup>2</sup>		50 cm	4
C10322-AZB050A	3L Wide-mouth High Efficiency Erlenmeyer Flask, Bi-directional Transfer Cap with TPE Tube	4.5 cm <sup>2</sup>		50 cm	4
C20122-AZB050A	2L High Efficiency Erlenmeyer Flask with Baffles, Bi-directional Transfer Cap with TPE Tube	4.5 cm <sup>2</sup>		50 cm	4
C20222-AZB050A	3L High Efficiency Erlenmeyer Flask with Baffles, Bi-directional Transfer Cap with TPE Tube	4.5 cm <sup>2</sup>		50 cm	4
C20322-AZB050A	3L Wide-mouth High Efficiency Erlenmeyer Flask, Bi-directional Transfer Cap with TPE Tube	4.5 cm <sup>2</sup>		50 cm	4
C10422-AZB090A	5L High Efficiency Erlenmeyer Flask, Bi-directional Transfer Cap with TPE Tube	4.5 cm <sup>2</sup>		90 cm	4
C10442-AKA060A	5L High Efficient Erlenmeyer Flask (with tube)	No Filter		30+30 cm	4



# Transfer Caps for High Efficient Erlenmeyer Flasks



## Features

- Closed system reduces the risks of contamination during liquid transfer.
- One-piece construction of caps and connectors reduces the risk of leakage and media residue.
- Caps of various diameters are available and aseptic welding of liquid inlet tubing under normal conditions is supported.
- High-quality materials and smooth inner wall of the tubing provide an excellent transfer performance.
- Sterilized by E-beam, SAL=10<sup>-6</sup>.
- Endotoxin-free, and no ingredients of animal origin.
- Individually packaged in sterile bag.

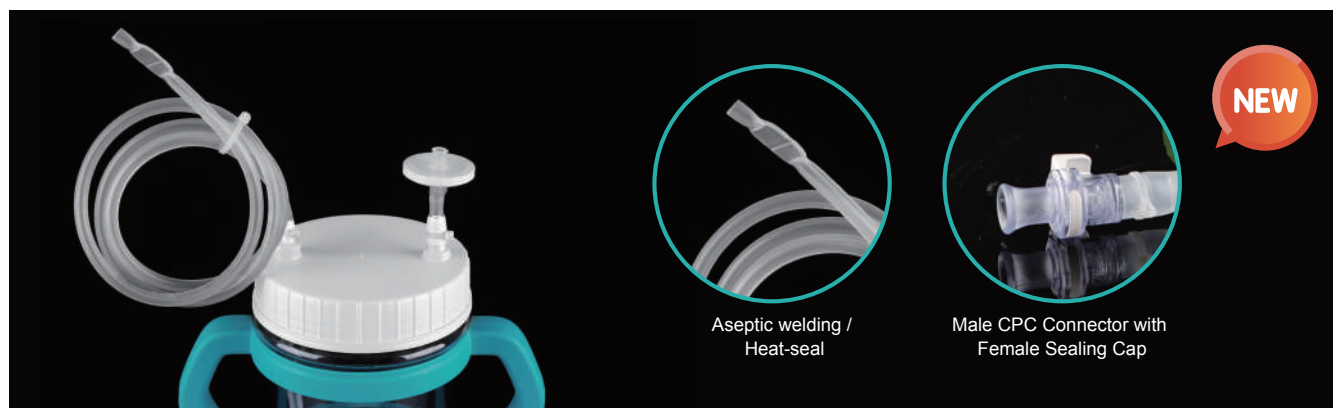


## Inverted Liquid Transfer Caps

Cat.No.	Compatibility	0.2µm Filter Membrane area	External Liquid Transfer Tube			Internal Liquid Transfer Tube		/Case
			Connector	Dia.	Length	Dia.	Length	
C10131-AZC050B	2L	13.8cm <sup>2</sup>	Heat Seal	TPE Tube 1/8" ID, 1/4" OD	50 cm	PTFE Tube	24 cm	4
C10231-AZC050B	3L	13.8cm <sup>2</sup>		50 cm	28 cm	4		
C10331-AZC050B	3L Wide-mouth	13.8cm <sup>2</sup>		50 cm	28 cm	4		
C10431-AZC090B	5L	13.8cm <sup>2</sup>		90 cm	34 cm	4		
C10133-DZC050B	2L	13.8cm <sup>2</sup>	Heat Seal	TPE Tube 1/4" ID, 7/16" OD	50 cm	PTFE Tube	24 cm	4
C10233-DZC050B	3L	13.8cm <sup>2</sup>		50 cm	28 cm	4		
C10333-DZC050B	3L Wide-mouth	13.8cm <sup>2</sup>		50 cm	28 cm	4		
C10433-DZC090B	5L	13.8cm <sup>2</sup>		90 cm	34 cm	4		



# Transfer Caps for High Efficient Erlenmeyer Flasks



## Bi-directional Liquid Transfer Cap System

### Feature

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

Cat.No.	Compatibility	0.2µm Filter Membrane area	External Liquid Transfer Tube			Internal Liquid Transfer Tube		/Case
			Connector	Dia.	Length	Dia.	Length	
C10122-AZB050B	2L	4.5cm <sup>2</sup>	Heat Seal	TPE Tube 1/8" ID, 1/4" OD	50 cm	PTFE Tube	24 cm	4
C10222-AZB050B	3L	4.5cm <sup>2</sup>		50 cm	28 cm		4	
C10322-AZB050B	3L Wide-mouth	4.5cm <sup>2</sup>		50 cm	28 cm		4	
C10422-AZB090B	5L	4.5cm <sup>2</sup>		90 cm	34 cm		4	
C10123-BZC050B	2L	13.8cm <sup>2</sup>	Heat Seal	TPE Tube 1/4" ID, 3/8" OD	50 cm	PTFE Tube	24 cm	4
C10223-BZC050B	3L	13.8cm <sup>2</sup>		50 cm	28 cm		4	
C10323-BZC050B	3L Wide-mouth	13.8cm <sup>2</sup>		50 cm	28 cm		4	
C10423-BZC090B	5L	13.8cm <sup>2</sup>		90 cm	34 cm		4	
C10123-FBC050B	2L	13.8cm <sup>2</sup>	MPC Male Connector	TPE Tube 1/4" ID, 3/8" OD	50 cm	PTFE Tube	24 cm	4
C10223-FBC050B	3L	13.8cm <sup>2</sup>			50 cm		28 cm	4
C10323-FBC050B	3L Wide-mouth	13.8cm <sup>2</sup>			50 cm		28 cm	4
C10423-FBC090B	5L	13.8cm <sup>2</sup>			90 cm		34 cm	4
C10123-FDC050B	2L	13.8cm <sup>2</sup>	MPC Female Connector	TPE Tube 1/4" ID, 3/8" OD	50 cm	PTFE Tube	24 cm	4
C10223-FDC050B	3L	13.8cm <sup>2</sup>			50 cm		28 cm	4
C10323-FDC050B	3L Wide-mouth	13.8cm <sup>2</sup>			50 cm		28 cm	4
C10423-FDC090B	5L	13.8cm <sup>2</sup>			90 cm		34 cm	4

# Transfer Caps for High Efficient Erlenmeyer Flasks

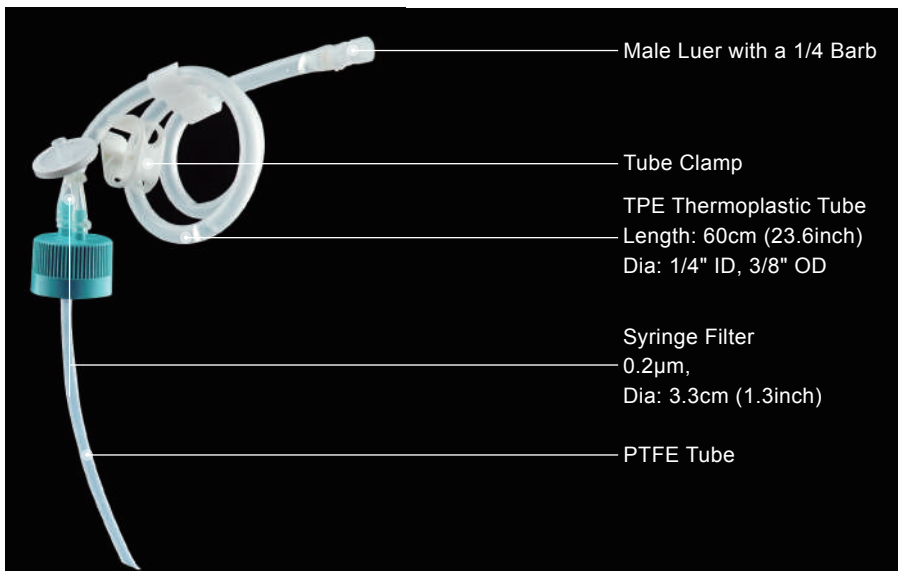


## Multifunction Liquid Transfer Cap

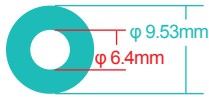
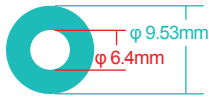
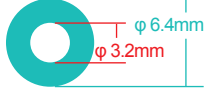

Compatible with 2/3/5L high efficient Erlenmeyer flasks. Different from bi-directional liquid transfer cap, the multifunctional transfer cap can be directly placed in an incubator for culture after the liquid transfer is completed. It can reach a large air flux. The quick sampling connector is composed of a sampling nozzle and a one-way valve, which can prevent the liquid from flowing backwards during the sampling process and ensure the aseptic sampling. The liquid inlet tubing is provided with a PTFE needle filter, which solves the issue of liquid remaining in the tubing during the feeding process.

Cat.No.	Compatibility	0.2µm Filter Membrane area	External Liquid Transfer Tube			Internal Liquid Transfer Tube		/Case
			Connector	Dia.	Length	Dia.	Length	
C10111-AJE052B	2L	20cm <sup>2</sup>	Heat Seal	TPE Tube 1/8" ID, 1/4" OD	50 cm	PTFE Tube	24 cm	4
C10211-AJE052B	3L	20cm <sup>2</sup>		50 cm	28 cm		4	
C10311-AJE052B	3L Wide-mouth	20cm <sup>2</sup>		50 cm	28 cm		4	
C10411-AJE092B	5L	20cm <sup>2</sup>		90 cm	34 cm		4	
C10111-GBB100B	2L	4.5cm <sup>2</sup>	MPC Male Connector	Silicon Tube 3/16" ID, 3/8" OD	100 cm	PTFE Tube	24 cm	4
C10211-GBB100B	3L	4.5cm <sup>2</sup>			100 cm		28 cm	4
C10311-GBB100B	3L Wide-mouth	4.5cm <sup>2</sup>			100 cm		28 cm	4
C10411-GBB100B	5L	4.5cm <sup>2</sup>			100 cm		34 cm	4
C10111-DZB050B	2L	4.5cm <sup>2</sup>	Heat Seal	Thermoplastics Pipes 1/4" ID, 7/16" OD	50 cm	PTFE Tube	24 cm	4
C10211-DZB050B	3L	4.5cm <sup>2</sup>			50 cm		28 cm	4
C10311-DZB050B	3L Wide-mouth	4.5cm <sup>2</sup>			50 cm		28 cm	4
C10411-DZB090B	5L	4.5cm <sup>2</sup>			90 cm		34 cm	4





# Square Storage Bottle Closed System Solution



## Aseptic Transfer Caps for Media Bottles

Cat.No.	Compatibility	0.2µm Filter Membrane area	Tube Material			/Pack	/Case
			Connector	Dia.	Length		
C50921-BHB060B	250 mL	4.5cm <sup>2</sup>	Female Luer Lock Connector with Luer Plug	TPE Tube: 1/4" ID, 3/8" OD 	60 cm	1	10
C51021-BHB060B	500 mL	4.5cm <sup>2</sup>				1	10
C51121-BHB060B	1000 mL	4.5cm <sup>2</sup>				1	10
C50921-BBB060B	250 mL	4.5cm <sup>2</sup>	Male MPC connector with Female Sealing Cap	TPE Tube: 1/4" ID, 3/8" OD 	60 cm	1	10
C51021-BBB060B	500 mL	4.5cm <sup>2</sup>				1	10
C51121-BBB060B	1000 mL	4.5cm <sup>2</sup>				1	10
C50922-AGB060B	250 mL	4.5cm <sup>2</sup>	Female Luer Lock Connector with Luer Plug	TPE Tube: 1/8" ID, 1/4" OD 	60 cm	1	10
C51022-AGB060B	500 mL	4.5cm <sup>2</sup>				1	10
C51122-AGB060B	1000 mL	4.5cm <sup>2</sup>				1	10
C50922-AAB060B	250 mL	4.5cm <sup>2</sup>	Male MPC connector with Female Sealing Cap	TPE Tube: 1/8" ID, 1/4" OD 	60 cm	1	10
C51022-AAB060B	500 mL	4.5cm <sup>2</sup>				1	10
C51122-AAB060B	1000 mL	4.5cm <sup>2</sup>				1	10

## Media Bottles, Pre-assembled with Transfer Caps

Cat.No.	Compatibility	0.2µm Filter Membrane area	Tube Material			/Pack	/Case
			Connector	Dia.	Length		
C50921-BHB060A	250 mL	4.5cm <sup>2</sup>	Female Luer Lock Connector with Luer Plug	TPE Tube: 1/4" ID, 3/8" OD 	60 cm	1	10
C51021-BHB060A	500 mL	4.5cm <sup>2</sup>				1	10
C51121-BHB060A	1000 mL	4.5cm <sup>2</sup>				1	10
C50921-BBB060A	250 mL	4.5cm <sup>2</sup>	Male MPC connector with Female Sealing Cap	TPE Tube: 1/4" ID, 3/8" OD 	60 cm	1	10
C51021-BBB060A	500 mL	4.5cm <sup>2</sup>				1	10
C51121-BBB060A	1000 mL	4.5cm <sup>2</sup>				1	10
C50922-AGB060A	250 mL	4.5cm <sup>2</sup>	Female Luer Lock Connector with Luer Plug	TPE Tube: 1/8" ID, 1/4" OD 	60 cm	1	10
C51022-AGB060A	500 mL	4.5cm <sup>2</sup>				1	10
C51122-AGB060A	1000 mL	4.5cm <sup>2</sup>				1	10
C50922-AAB060A	250 mL	4.5cm <sup>2</sup>	Male MPC connector with Female Sealing Cap	TPE Tube: 1/8" ID, 1/4" OD 	60 cm	1	10
C51022-AAB060A	500 mL	4.5cm <sup>2</sup>				1	10
C51122-AAB060A	1000 mL	4.5cm <sup>2</sup>				1	10



# Centrifuge Tube Closed System Solution



## Product Description

The pre-assembled Closed System of Centrifuge Tube is convenient for aseptic sampling and transfer during biological production procedures. Each is double-packed and equipped with a seal cap which can be used to substitute the pipes in case of subsequent centrifugation and analysis.

The pre-assembled Closed System of Centrifuge Tube is convenient for customers in biomedical/biopharmaceutical/vaccine production industries to aseptically sample and transfer the tissue and cell culture/ vaccine solutions, which can effectively save the assembling and sampling time and lower the cost.

## Features

- The pre-assembled Closed System is ready to use at hand. The closed liquid transfer avoids the contamination risk of open transfer and eliminates the necessity of subsequent cleaning validation.
- The pipeline material meets the requirements of industrial pharmaceutical enterprises, and is connected to male taper at the connector, which prevents accidental disconnection and offers convenience.
- The double aseptic packaging suits GMP production.
- Pipelines can be customized according to demand.

**Liquid Transfer Tube 1/8"(3.2mm) ID, 1/4" (6.4mm) OD, 50cm in length.**

**24mm membrane diameter; 0.2µm pore size of membrane**

**The end of Liquid Transfer Tube is connected to the male taper and luer cap.**

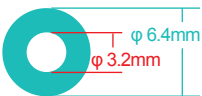
Cat.No.	Compatibility	0.2µm Filter Membrane area	Tube Material			/Pack	/Case
			Connector	Dia.	Length		
C60622-EFB050A	50 mL	4.5cm <sup>2</sup>	Male Luer Connector	TPE Tube: 1/8" ID, 1/4" OD	50 cm	1	10
C60922-EFB050A	250 mL	4.5cm <sup>2</sup>				1	10
C61022-EFB050A	500 mL	4.5cm <sup>2</sup>				1	10

# Erlenmeyer Flask Closed System Solution



## Features

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

Cat.No.	Compatibility	0.2μm Filter Membrane area	Tube Material			/Pack	/Case
			Connector	Dia.	Length		
C30821-EAC050B	125 mL	13.8cm <sup>2</sup>	MPC Male Connector	Silicon Tube: 1/8" ID, 1/4" OD	50 cm	1	4
C30921-EAC050B	250 mL	13.8cm <sup>2</sup>			50 cm	1	4
C31021-EAC050B	500 mL	13.8cm <sup>2</sup>			50 cm	1	4
C31121-EAC050B	1000 mL	13.8cm <sup>2</sup>			50 cm	1	4
C30821-EFC050B	125 mL	13.8cm <sup>2</sup>	Male Luer Connector		50 cm	1	4
C30921-EFC050B	250 mL	13.8cm <sup>2</sup>			50 cm	1	4
C31021-EFC050B	500 mL	13.8cm <sup>2</sup>			50 cm	1	4
C31121-EFC050B	1000 mL	13.8cm <sup>2</sup>			50 cm	1	4



# Accessories



# Accessories



781935 782935 782925 781925



783935 785963 785903 783925



786903 787903 787913 786913

Cat.No.	Description	/Pack	/Case
781925	Seal Cap for 125 mL PC/PETG Erlenmeyer Flasks	1	25
781935	Vent Cap for 125 mL PC/PETG Erlenmeyer Flasks	1	25
782925	Seal Cap for 250 mL PC/PETG Erlenmeyer Flasks	1	25
782935	Vent Cap for 250 mL PC/PETG Erlenmeyer Flasks	1	25
783925	Seal Cap for 500&1000 mL PC/PETG Erlenmeyer Flasks	1	25
783935	Vent Cap for 500&1000 mL PC/PETG Erlenmeyer Flasks	1	25
785903	Seal Cap for 2L Erlenmeyer Flasks	1	20
785913	Vent Cap for 2L Erlenmeyer Flasks	1	20
786903	Seal Cap for 3L Conical Erlenmeyer Flasks/2&3L High Efficient Erlenmeyer Flasks	1	20
786913	Vent Cap for 3L Conical Erlenmeyer Flasks/2&3L High Efficient Erlenmeyer Flasks	1	20
787903	Seal Cap for 3L Wide-mouth/5L Erlenmeyer Flasks	1	20
787913	Vent Cap for 3L Wide-mouth/5L Erlenmeyer Flasks	1	20



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



740201 740302 740402

Cat.No.	Description	/Pack	/Case
740201	Adaptor Cap Wide Mouth to Narrow Mouth	1	10
740302	Adaptor Cap Wide Mouth to 3/8 Inches(9.5 mm) Hose	1	10
740402	Adaptor Cap Wide Mouth to 1/4 Inches(6.4 mm) Hose	1	10



**744001 SPT-50 Hose**  
 Inner Dia # 3/8 Inches (9.5 mm) , Outer Dia # 5/8 Inches (15.9 mm) , 50 Inches/ 15 meters  
 1 pcs / pack



**746001 C-Flex Welding Hose**  
 Inner Dia# 3/8 Inches (9.5 mm) , Outer Dia# 5/8 Inches (15.9 mm) , 50 Inches/ 15 meters  
 1 pcs / pack



**741001 Adaptor Connector**  
 Adaptor Connector to 3/8 Inches (9.5 mm)Hose  
 1 pcs / pack



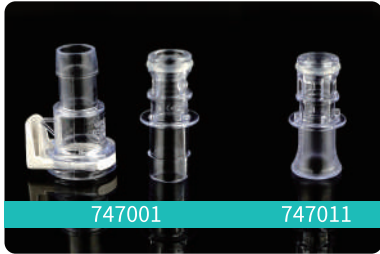
**743001 Hose Clamp**  
 Hose clamp for 12-18 mm diameter hose  
 10 pcs / pack



**751001 Y Shape Connector**  
 Y Shape CPC Connector for Inner Dia #3/8 Hose  
 1 pcs / pack, 5 pcs / case



**749001 T Shape Connector**  
 T Shape CPC Connector for Inner Dia #3/8 Hose  
 1 pcs / pack, 5 pcs / case



**747001 CPC Connector**  
(Inner Dia #3/8) for Hose to  
Hose Connecting  
1 pcs / pack, 5 pcs / case

**747011 CPC Sealing Plug**  
10 pcs / case



**0.22µm Vent Filter**  
**742001** Dia 72 mm  
**742011** Dia 58 mm  
1 pcs / pack, 5 pcs / case



**745001 BioFactory  
AccessoryLite Package**  
Hose Clamp\*1+50 mm Vent  
Filter\*1+15 cm SPT-50  
Hose\*1+Silicone Ring\*2



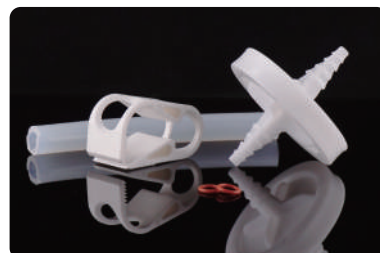
**751101 BioFactory Holder,  
Individually Wrapped**  
1 pcs / pack, 5 pcs / case



Cat.No.	Description	/Pack	/Case
C71254-ZMC000B	BioFactory Cap with PTFE Vent Filter(0.22 µm Φ42mm), without BioFactory , Sterile	1	4
C71255-ZMD000B	BioFactory Cap with PTFE Vent Filter(0.22 µm Φ50mm), without BioFactory	1	4



Cat.No.	Description	/Pack	/Case
C71254-FBA080B	BioFactory Cap with Silicon Tube (80cm 1/4 " ID3/8" OD), Male CPC Connector with Female Sealing Cap, without BioFactory, Sterile	1	4
C71255-HCA080B	BioFactory Cap with Silicon Tube (80cm 3/8 " ID5/8" OD), Male CPC Connector with Female Sealing Cap, without BioFactory, Sterile	1	4



**C71200-ZME000B**

Hose Clamp\*1 + 50 mm Vent Filter + 15 cm  
SPT-50 Hose\*1 + Adaptor Connector\*1  
Silicone Ring\*2



**C71275-ZME000B**

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

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ISO 9001



ISO 11137



ISO 13485



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