



— Stock Code:688026 —

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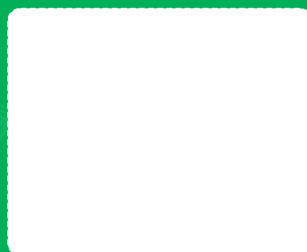
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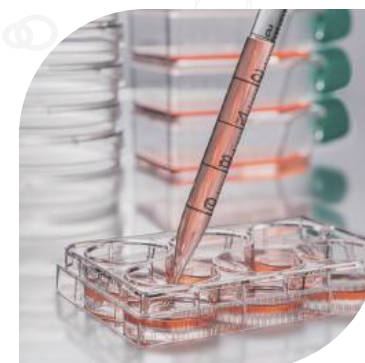
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# 2023 CATALOGUE



Guangzhou Jet Bio-Filtration Co.,Ltd.



YOUR RELIABLE PARTNER IN LIFE SCIENCE

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## Company Profile

### 22 Years of Striving Forward

#### A Leader In Domestic Biological Laboratory Consumables

Guangzhou Jet Bio-Filtration Co., Ltd. (stock code: 688026), founded in 2001 and located in Huangpu District of Guangzhou City, is a domestic leading new high-tech enterprise that offers total solutions for biological laboratories. The company covers an overall floorage up to 160,000m<sup>2</sup> and has a 65,000m<sup>2</sup> GMP workshop. Thousands of company products such as high-end consumables of biological laboratory, reagents and laboratory instruments have been widely used in such fields as biological R&D, biological medicine, molecular diagnosis and cell therapy, command a good sale in more than 70 countries and regions such as Europe and America and are provided to world-famous colleges and universities, inspection and quarantine institutions, medical institutions, vaccine production enterprises, drug R&D enterprises and other large biomedical companies. The Company owns several core technologies and advanced production processes for biological laboratory consumables and has been successfully selected into the global supply chain system for world-famous service providers of biological laboratory materials by virtue of excellent technical performance, product quality and efficient service.

On October 24, 2018, Guangzhou Jet Bio-Filtration Co., Ltd. was honorably inspected by Chinese President Xi Jinping on behalf of private enterprises.

2001

Established since

160,000m<sup>2</sup>

Construction Area

65,000m<sup>2</sup>

Cleanroom

7,000+

Products and Accessories

70+

Countries and Regions

171+

Patents

22+

Standards



# History

## 2021-present

### Committed to making great achievements with great ambition

- A new plant with an area of 160,000 square meters in Huangpu District of Guangzhou have been put into use

## 2020-2021

### Go forward with honor

- Awarded the title of "an important contributor to the material support work of COVID-19 epidemic prevention and control in Guangdong Province"
- Awarded the title of "private enterprise with outstanding contribution in fighting COVID-19 in Guangzhou"
- Included in the "little giant" list of national specialized, sophisticated and characteristic enterprises by the Ministry of Industry and Information Technology of the People's Republic of China

## 2020

### Rapid development based on good situation

- Successfully listed on the Science and Technology Innovation Board of Shanghai Stock Exchange

## 2018

### Attract worldwide attention

- Mr. Yuan Jianhua, Chairman of the Company, was received by the General Secretary Xi as a representative of private entrepreneurs

## 2013-2018

### Score big points

- Became the first batch of Guangzhou Development Zone pilot units of science and technology enterprise incubator
- Recognized as "Engineering Technology Research Center for Disposable Plastic supplies of Guangdong Biological Laboratory"
- The company's R&D center was recognized as the provincial enterprise technology center

## 2007

### Gradually stand out

- The company has passed ISO9001/13485 certification

## 2001-2003

### Fledgling

- Guangzhou Jet Bio-Filtration Co., Ltd. was established
- The first product was successfully developed by using high polymer material modification technology

## Company Honors

Adhering to the spirit of hard work and innovation, JET BIOFIL focuses on strengthening the research and development of core technologies. It has been recognized as a "National 'Little Giants' Enterprise with the Features of Specialization, Sophistication, Characteristics and Novelty", an "Engineering Technology Research Center for Disposable Plastic Supplies of Guangdong Biological Laboratory" and a "Guangdong Provincial Enterprise Technology Center", and has undertaken dozens of projects including the National Science and Technology-based SME Innovation Fund Project, the Provincial and Ministerial Collaborative Innovation and Platform Environment Construction, and the Major Projects of Guangzhou Industry-University-Research Collaborative Innovation.



## Leading the industry development with core patented technologies

JET BIOFIL holds a number of international leading core technologies and advanced production processes for biological laboratory consumables. Up to now, it has 171 patents, including 33 patents for invention and more than 10 international patents, and has won the National Patent Award for Invention for three consecutive years. Meanwhile, it has led the formulation of 2 provincial standards, 17 group standards and participated in the formulation of 3 industry standards.



## 65,000 m<sup>2</sup> Cleanroom Automated production of the whole process

JET BIOFIL has more than 65,000 m<sup>2</sup> of class 100,000 cleanroom including class 100,000 GMP cleanroom more than 13,000 m<sup>2</sup> for manufacturing highly clean and biological safe laboratory consumables. We ensure the rigorous sterile environment for production, to maximize the elimination of all possible and potential contamination such as biological active substances, dust, pyrogen.







ISO 13485    ISO 9001    GMP Workshop Inspection Report    CNAS    CE    FDA

### Strict Quality Control Standard

JET BIOFIL products are in strict accordance with GMP standards, the requirements of ISO 13485, ISO 9001, CE, and FDA to receive rigorous control of production and quality inspection.



### Smart Storage, Smart Logistics and Delivery System

In order to create more efficient and convenient warehousing, logistics and delivery services, JET BIOFIL has built more than 100 smart storage, logistics and delivery sites, and has established a complete set of digital, information-based and smart international and domestic logistics and delivery system, which can be used to maximize the full coverage of goods and the most efficient optimal deployment, and carefully serve every customer.



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## Cell Culture Products



With numerous internationally leading key core technologies and advanced production processes for laboratory consumables, JET BIOFIL has produced cell culture products with high quality consistently over the past 22 years to ensure that the best repeatability and the most reliable results can be obtained for the studies, which are thus quite welcomed by researchers. Thanks to the 4 surfaces of the culture vessels ranging from 0.1135 cm<sup>2</sup> to 6,416 cm<sup>2</sup>, the cell culture products of JET BIOFIL are suitable for most applications and can meet your different demands for cell culture as they are DNase/RNase and pyrogen-free and non-cytotoxic and produced in a Class 100,000 clean workshop with high-quality raw materials conforming to USP CLASS VI standards in strict accordance with ISO 9001:2015 and ISO 13485:2016 and have stable performance through cell line testing and strict quality validation. These products mainly include cell and tissue culture flasks, cell and tissue culture dishes, cell and tissue culture plates and other products.

## Cell and Tissue Culture Flasks

Cell and tissue culture flasks are the most suitable culture vessels for long-term and large-scale laboratory cell culture. The surface untreated flasks are suitable for suspension cell culture, while those with the TC-treated surface are suitable for common adherent cell lines due to the excellent hydrophilicity of the polystyrene surface. The CellATTACH<sup>®</sup> superhydrophilic treated surface represents a technical advancement, improves the adhesion and growth of difficult-to-nourish cells, primary cells and transfection cell lines with low serum/serum-free conditions.

### Material

- Flask Body: Polystyrene (GPPS)
- Bottle Cap: High-density Polyethylene (HDPE)
- Filter Membrane: Polytetrafluoroethylene (PTFE)
- Conforming to USP CLASS VI



Ergonomic cap design - open/close by screwing 1/4 of its full range.



Clear scales are shown on both sides and the frosted area can be marked.



The tilted bottleneck facilitates liquid pouring, as well as convenient operations of pipettes and cell scrapers.



0.22µm PTFE hydrophobic vent cap supports gas exchange and prevents cross-contamination.

### Features

- Various treated surfaces are suitable for different culture needs
- The hydrophobic vent cap ensures continuous ventilation, enabled by turning the cap 1/4 of its full range
- The tilted bottleneck facilitates pipettes and cell scrapers for easy access
- Low appearance design supports folding, effectively use the internal space of the incubator
- The frosted area near the bottleneck can be written on
- Volume graduations molded on both sides
- 100% online leakage tested
- Lot No. on the bottom of each flask and package bag facilitates quality traceability
- Sterilized by irradiation, SAL 10<sup>-6</sup>
- DNase/RNase free, non-pyrogenic and non-cytotoxic



## Cell and Tissue Culture Flasks, Non-treated

Cat. No.	Volume(mL)	Surface Type	Recommended Working Volume (mL)	Type of Cap	Sterile	Qty. Per Bag/Case
TCF001025	25	Non-treated	8	Plug Seal	Y	10/200
TCF002025	25	Non-treated	8	Vent	Y	10/200
TCF001050	50	Non-treated	17.5	Plug Seal	Y	10/200
TCF002050	50	Non-treated	17.5	Vent	Y	10/200
TCF001250	250	Non-treated	60	Plug Seal	Y	5/100
TCF002250	250	Non-treated	60	Vent	Y	5/100
TCF001600	600	Non-treated	125	Plug Seal	Y	5/40
TCF002600	600	Non-treated	125	Vent	Y	5/40
TCF101600(Extended)	600	Non-treated	200	Plug Seal	Y	5/40
TCF102600(Extended)	600	Non-treated	200	Vent	Y	5/40
TCF001225	850	Non-treated	200	Plug Seal	Y	5/25
TCF002225	850	Non-treated	200	Vent	Y	5/25
TCF001850	850	Non-treated	200	Plug Seal	Y	3/18
TCF002850	850	Non-treated	200	Vent	Y	3/18

## Cell and Tissue Culture Flasks, TC treated

Cat. No.	Volume(mL)	Surface Type	Cell Culture Surface Area (cm <sup>2</sup> )	Recommended Working Volume (mL)	Type of Cap	Sterile	Qty. Per Bag/Case
TCF011025	25	TC treated	12.5	8	Plug Seal	Y	10/200
TCF012025	25	TC treated	12.5	8	Vent	Y	10/200
TCF011050	50	TC treated	25.0	17.5	Plug Seal	Y	10/200
TCF012050	50	TC treated	25.0	17.5	Vent	Y	10/200
TCF011250	250	TC treated	75.0	60	Plug Seal	Y	5/100
TCF012250	250	TC treated	75.0	60	Vent	Y	5/100
TCF011600	600	TC treated	182.0	125	Plug Seal	Y	5/40
TCF012600	600	TC treated	182.0	125	Vent	Y	5/40
TCF111600(Extended)	600	TC treated	182.0	200	Plug Seal	Y	5/40
TCF112600(Extended)	600	TC treated	182.0	200	Vent	Y	5/40
TCF011225	850	TC treated	225.0	200	Plug Seal	Y	5/25
TCF012225	850	TC treated	225.0	200	Vent	Y	5/25
TCF011850	850	TC treated	300.0	200	Plug Seal	Y	3/18
TCF012850	850	TC treated	300.0	200	Vent	Y	3/18

## Cell and Tissue Culture Dishes

Cell and tissue culture dishes can be used for culturing plants, animal cells and microbial cultures, the non-treated surface dishes are suitable for suspension cell culture, while those with the TC-treated surface are suitable for common adherent cell lines due to the excellent hydrophilicity of the polystyrene surface. The CellATTACH® superhydrophilic treated surface represents a technical advancement, improves the adhesion and growth of difficult-to-nourish cells, primary cells and transfection cell lines with low serum/serum-free conditions.

## Material

© Polystyrene (GPPS)

© Conforming to USP CLASS VI



The gripping ring design is easy to grip when wearing gloves, ensuring that the culture dish cover will not move during processing, thus reducing the risk of contamination.



The outer edge of the culture dish cover is slightly convex to ensure stable stacking.



The notched design of the dish cover ensures both sterility and air ventilation, restricting movement of the culture dish cover and improving mechanical strength.

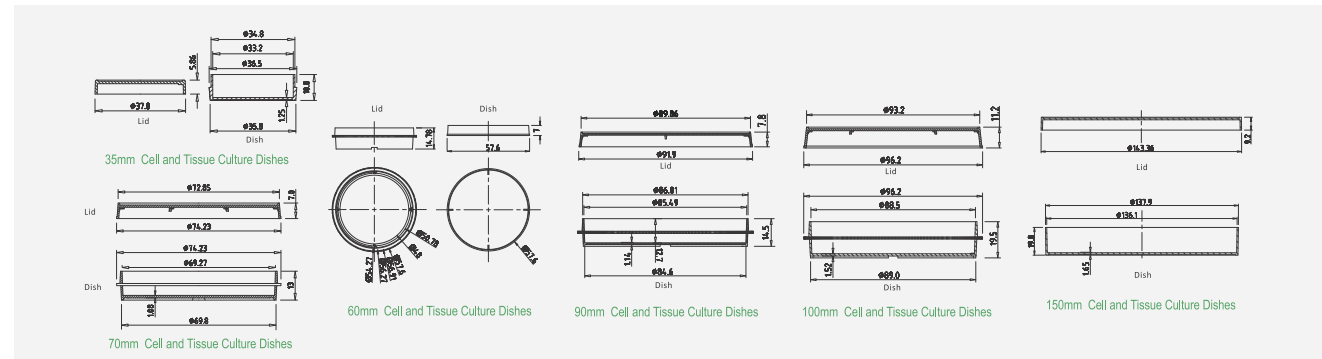


The positioning marker at the bottom of the culture dish facilitate positioning of the cells.



### Features

- Various treated surfaces are suitable for different culture needs
- The gear ring design on the side makes it easier to hold and reduces contamination.
- The ring-shaped protrusion on the cap is closed at the bottom to facilitate stacking of culture dishes
- The notched design of the cap ensures sterility and gas exchange
- The sterile ziplock packaging enables repeated sealing
- Sterilized by irradiation, SAL 10<sup>-6</sup>
- DNase/RNase free, non-pyrogenic and non-cytotoxic



#### Cell and Tissue Culture Dishes, Non-treated

Cat. No.	Surface Type	Diameter (mm)	Height (mm)	Recommended Working Volume (mL)	Qty. Per Bag/Case
TCD000018	Non-treated	18	-	-	10/300
TCD000035	Non-treated	35	10.80	1.7-2.6	10/960
TCD000060	Non-treated	60	12.68	4.2-6.4	10/600
TCD100060	Non-treated	60(Grooved)	12.68	4.2-6.4	10/600
TCD000070	Non-treated	70	15.40	7.3-10.9	10/600
TCD000090	Non-treated	90	16.50	11.0-16.5	10/500
TCD000100	Non-treated	100	22.30	12.2-18.2	10/300

#### Cell and Tissue Culture Dishes, with TC treated

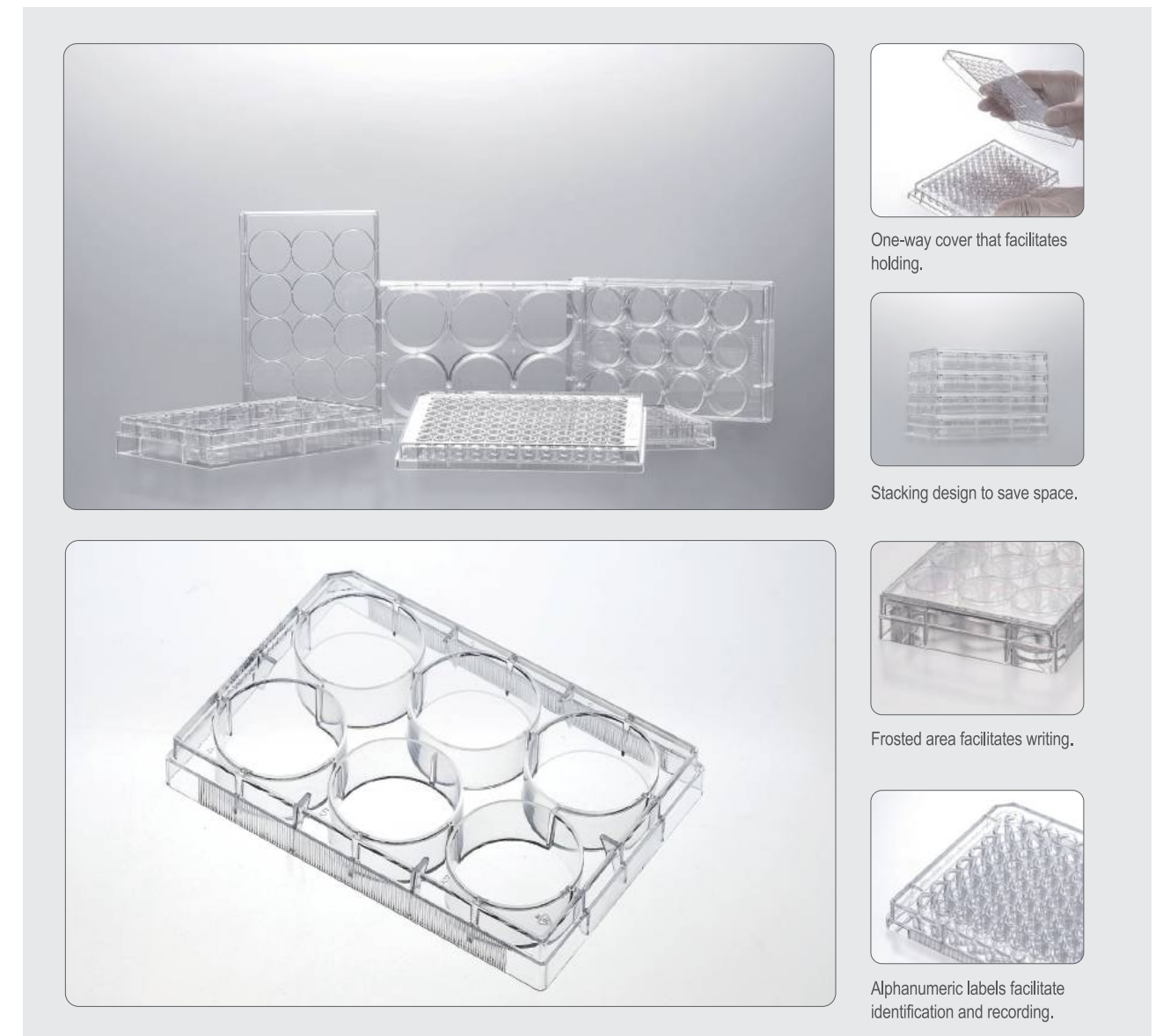
Cat. No.	Surface Type	Diameter (mm)	Height (mm)	Recommended Working Volume (mL)	Culture Area (cm <sup>2</sup> )	Qty. Per Bag/Case
TCD010018	TC treated	18	-	-	1.41	10/300
TCD010035	TC treated	35	10.80	2-3.5	8.50	10/960
TCD010060	TC treated	60	12.68	4-7	21.20	10/96
TCD110060(Grooved)	TC treated	60	12.68	4-7	21.20	10/96
TCD010070	TC treated	70	15.40	6-11	36.30	10/600
TCD010090	TC treated	90	16.50	10-18	55.00	10/600
TCD010100	TC treated	100	22.30	12-20	60.80	10/500
TCD010150	TC treated	150	22.00	25-50	143.00	10/300
TCD110150	TC treated	150	22.00	25-50	143.00	10/300

## Cell and Tissue Culture Plates

We can supply premium cell culture plates with a range of specifications and surfaces to deliver the best outcomes for cell culture and subsequent cell assays, such as cell transfection, immunofluorescence, and clone formation. Assisting with experimental research, optimization and analysis. Surface-untreated plates are suitable for suspension cells culture, and those with a TC-treated surface are suitable for common adherent cell lines due to the excellent hydrophilicity of the polystyrene surface. The CellATTACH® superhydrophilic treated surface represents a technical advancement, allows better adhesion and proliferation of difficult-to-nourish cells as well as primary or transfected cell lines with low serum/serum-free conditions.

### Material

- Polystyrene (GPPS)
- Conforming to USP CLASS VI





## Features

- Uniform thickness of plate bottom and well size.
- Plates with U-shaped bottom are suitable for suspension culture, chemical and analytical experiments, or samples preservation. The detachable 96-well plate is suitable for experimental analysis.
- Transparent material facilitates observation under a microscope.
- Plate cover and plate body fit tightly, thus reducing contamination of the medium or evaporation loss during the cell culture process.
- The one-way cover can be held easily, reducing mistakes and conforming to ergonomic design requirements.
- The well edge design prevents cross-contamination, with alphanumeric design to facilitate identification and marking.
- Stackable - space saving and compatible with most of multi-well plate instruments and equipment.
- Lot No. printed at the plate side and package bag facilitates quality traceability.
- Individual blister packs or paper-plastic bags.
- Sterilized by irradiation, SAL 10<sup>-6</sup>
- DNase/RNase free, non-pyrogenic and non-cytotoxic

### Cell and Tissue Culture Plates, Non-treated, in Blister Box

Cat. No.	Surface Type	Specification (Well)	Well Type	Max. Working Volume of a Single Well (mL)	Qty./Case
TCP001001	Non-treated	Single well	Flat	90	1/100
TCP001004	Non-treated	4	Flat	1.86	1/100
TCP001006	Non-treated	6	Flat	17.0	1/100
TCP001012	Non-treated	12	Flat	6.80	1/100
TCP001024	Non-treated	24	Flat	3.50	1/100
TCP001048	Non-treated	48	Flat	1.55	1/100
TCP001096	Non-treated	96	Flat	0.39	1/100
TCP002096	Non-treated	96	U-shaped	0.33	1/100
TCP001384	Non-treated	384	Flat	0.145	1/100

### Cell and Tissue Culture Plates, with TC Treated, in Blister Box

Cat. No.	Surface Type	Specification (Well)	Well Type	Max. Working Volume of a Single Well (mL)	Recommended Working Volume of a Single Well (mL)	Culture Area of a Single Well (cm <sup>2</sup> )	Qty./Case
TCP011001	TC treated	Single well	Flat	90	35.0	97	1/100t
TCP011006	TC treated	4	Flat	1.86	0.39-0.59	1.96	1/100
TCP011006	TC treated	6	Flat	17.0	1.9-2.9	9.6	1/100
TCP011012	TC treated	12	Flat	6.80	0.76-1.14	3.85	1/100
TCP011024	TC treated	24	Flat	3.50	0.38-0.57	1.93	1/100
TCP011048	TC treated	48	Flat	1.55	0.19-0.29	0.84	1/100
TCP011096	TC treated	96	Flat	0.39	0.075-0.2	0.33	1/100
TCP012096	TC treated	96	Flat	0.33	0.075-0.2	0.58	1/100
TCP011384	TC treated	384	Flat	0.145	0.01-0.1	0.1135	1/100

## 96-well Detachable Flat Plates

The 96-well detachable flat plates can be used to explore, optimize and analyze experimental conditions for cell cultures, and can meet the needs of a wide variety of experiments. There are two different surfaces available. The non-treated surface is suitable for suspension cells culture, while the TC treated surface is suitable for adhesion and spreading of common cell lines.

### Material

- Strip: Polystyrene (GPPS)
- Plate frame: HIPS (High Impact Polystyrene)
- Conforming to USP CLASS VI



### Features

- Well-distributed thickness of the bottom of the plate, smooth and clean, free of deformation, with a uniform well size
- The board is transparent with excellent optical properties, easy to observe under a microscope
- Detachable 8-well strip, suitable for a large variety of experiments
- Unique one-way cover design for easy identification ensures operational consistency
- Clear alphanumeric labeling, easy to distinguish and identify, and easy to record
- Hole edge design to prevent cross contamination, non-slip and easy to hold, with a minimized contact area
- Can be stacked for space-saving purposes and for better compatibility
- Sterilized by irradiation, SAL 10<sup>-6</sup>
- DNase/RNase free, non-pyrogenic, non-cytotoxic

### 96-well Detachable Flat Plates

Cat. No.	Description	Qty. Per Bag/Case
TCP011896	Frame for 8-well x 12 strips, Standard, Surface treated, Sterile	1/100
TCP001896	Frame for 8-well x 12 strips, General, Non-treated, Sterile	1/100



## CellATTACH® Cell and Tissue Culture Products

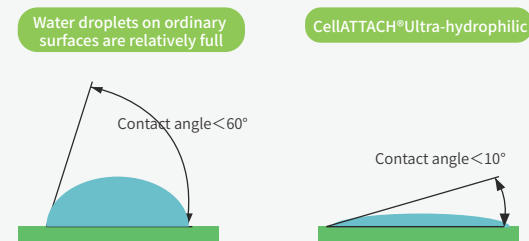
The CellATTACH® super-hydrophilic cell culture series are created by introducing polar groups onto their surfaces. In this way, a durable and stable super-hydrophilic surface can be formed, facilitating the good adherent growth of various types of cells under different culture conditions, and improving cell yield.

### Material

- Flask/Plates/Dishes Body: Polystyrene (GPPS)
- Filter Membrane: Polytetrafluoroethylene (PTFE)
- Flask Cap: High-density Polyethylene (HDPE)
- Conforming to USP CLASS VI

### Features

- Unique super-hydrophilic surface treatment technology provides better adherence for cells, promoting rapidly cell growth and increasing yields.
- This ensures continuous and uniform cell adherence, and can be used for adherent cultures of primary cells, neuronal cells, stem cells and other hard-to-nourish cells that have higher or more stringent requirements for the hydrophilicity of the culture surface.
- Cells can adapt quickly to a serum-free or low-serum culture environment, meeting the needs of experiments that have to eliminate the interference of serum components or that require reduced serum levels, thus saving cost of cell culture.



### CellATTACH® Cell and Tissue Culture Flasks

Cat. No.	Volume(mL)	Surface Type	Working Volume (mL)	Cap Style	Sterile	Per Bag/Case
CAF011025	25	CellATTACH® Surface Treated	12.5	Plug Seal	Y	10/200
CAF012025	25		12.5	Vent	Y	10/200
CAF011050	50		25.0	Plug Seal	Y	10/200
CAF012050	50		25.0	Vent	Y	10/200
CAF011250	250		75.0	Plug Seal	Y	5/100
CAF012250	250		75.0	Vent	Y	5/100
CAF011600	600		182.0	Plug Seal	Y	5/40
CAF012600	600		182.0	Vent	Y	5/40
CAF111600(Extended)	600		182.0	Plug Seal	Y	5/40
CAF111600(Extended)	600		182.0	Vent	Y	5/40
CAF011850	850		300.0	Plug Seal	Y	3/18
CAF012850	850		300.0	Vent	Y	3/18

### CellATTACH® Cell and Tissue Culture Plates

Cat. No.	Well Qty.	Surface Type	Cell Growth Area (cm <sup>2</sup> )	Per.Plastic blister/Case
CAP011006	6	CellATTACH® Surface Treated	9.6	1/100
CAP011012	12		3.85	1/100
CAP011024	24		1.93	1/100
CAP011048	48		0.83	1/100
CAP011096	96		0.33	1/100
CAP012096	96U		0.58	1/100

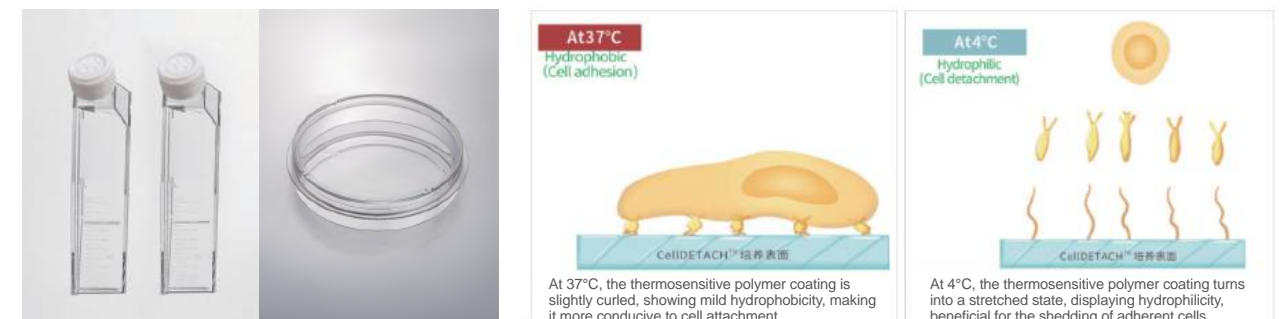
### CellATTACH® Cell and Tissue Culture Dishes

Cat. No.	Diameter (mm)	Surface Type	Cell Growth Area (cm <sup>2</sup> )	Sterile	Per.Bag/Case
CAD010035	35	CellATTACH® Surface Treated	8.5	Y	10/240
CAD010060	60		21.2	Y	10/240
CAD010070	70		36.3	Y	10/240
CAD010090	90		58.4	Y	10/240
CAD010100	100		60.8	Y	10/240
CAD010150	150		143.0	Y	5/80

## CellIDETACH™ Thermosensitive Cell Culture Surface

Using trypsin digestion or cell scrapers to separate adherent cells can affect the expression of cell surface proteins, damaging cell and reduce cell viability.

The CellIDETACH™ products have a thermosensitive surface, which is coated with a unique nano-polymer. When the temperature reduce from 37°C to 4°C, the thermosensitive surface gradually changes from slightly hydrophobic to hydrophilic, resulting in adherent cells harvested without trypsin. By using the gentle collection method, cells will not be injured by the effect of trypsin or scrapers, thus preserving high viability and intact surface receptors and cell antigens. This operation enables cells to be harvested without damage for subculturing.





## Features

CellDETACH™ thermosensitive cell culture surface is specially designed by our R&D team to enable cell passage and cell transplantation, and has been granted a national invention patent (patent number: ZL201510780506.3). The goal is to help researchers harvest cell sheets, set up 3D tissue models linked by normal cells and extracellular matrix, simplify cell culture and tissue engineering techniques, and minimize experimental manipulation time.

- National invention patent (Patent Number: ZL201510780506.3)
- Induces cell shedding simply by lowering the temperature - straightforward, fast, and easy to operate
- No trypsin: preserves cell surface proteins and markers intact
- No cell scraping: avoids mechanical damage to cells and ensures high cell viability
- Optimized cell culture and tissue engineering techniques

### Scope of Application

The thermosensitive cell culture surface is suitable for the in vitro culture of most adherent cells, including stem cells, neural cells, macrophages, and cancer cells. It is ideal for harmless cell harvesting, and can be widely used in expanded cell culture, cell therapy, 3D tissue modeling, extracellular matrix research and other fields.

### Instructions for Use

#### In Vitro Cell Culture

1. When the temperature is above 32°C, the thermosensitive coating on the surface of the CellDETACH™ products is in a curled polymer state, showing slight hydrophobicity. This facilitates cell adherence and growth.
2. When the temperature goes below 32°C, the thermosensitive coating on the surface is in a stretched polymer state, which will bind water molecules and expand, showing hydrophilicity. This facilitates the shedding of adherent cells. The shedding efficiency will be at its best when the temperature drops below 4°C.
3. When the temperature of the thermosensitive cell culture surface drops below 32°C, excessive disturbance may cause cells to fall off, so please do not spend too much time taking pictures and observing while performing the cell culture.

#### Cell Harvest

1. The best harvest is achieved when the confluence of cells is higher than 80%.
2. When harvesting cells, either the environmental temperature should be reduced to 4°C, or the thermosensitive products should be placed in a sterile incubator at 4°C, or the culture can be replaced with a 4°C culture medium.
3. When the temperature of the thermosensitive Cell Culture Surface drops to 4°C, keep it for 20 ~ 30 minutes, then aspirate the culture medium above the thermosensitive Cell Culture Surface with a straw (cell culture dish), pipette or electric pipette (600ml Cell Culture Flask), and blow over the cells attached to the culture surface to make them fall off. During the blowing process, the cell sheet can be observed falling off the thermosensitive surface.
4. The thermosensitive shedding abilities of cells depends on their adhesion performances, and some cells with strong adherence may have difficulty falling off, requiring multiple blowing attempts. (for example, those digested at 37°C for more than 3 minutes with 0.25% trypsin digestion are considered to be cells with strong adherence ability).

#### Storage and Transportation

5. This product should not be exposed to direct sunlight or excessive heat for a long time, but can be stored and transported at room temperature.

### Cell Culture Dishes

Cat. No.	Diameter (mm)	Sterile	Appro.Cell Growth Area (cm <sup>2</sup> )	Per.Bag/Case
CDD022100	100	Y	60.8	1/24
CDD023100	100	Y	60.8	5/100

### Cell Culture Flasks

Cat. No.	Volume (mL)	Cap Style	Sterile	Appro.Cell Growth Area (cm <sup>2</sup> )	Per.Bag/Case
CDF024600	600	Vent	Y	182	1/20
CDF023600	600	Vent	Y	182	5/40
CDF014600	600	Plug Seal	Y	182	1/20
CDF013600	600	Plug Seal	Y	182	5/40

## Tissue Culture Plate Inserts

Tissue culture plate inserts are extensively used in a variety of cell tests, including co-culture tests, chemotaxis tests, and cell migration tests. By membrane technology, cells growth in vitro are more similar to those growing in vivo in terms of morphology and function. They are also used for studying cell functions such as cellular transport, absorption and secretion.

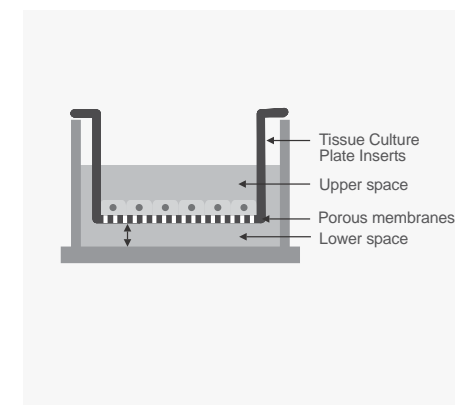
### Material

- Membrane: Polycarbonate(PC)/Polyester(PET)
- The Main Body: polystyrene (GPPS)
- Conforming to USP CLASS VI



### Features

- Excellent transmittance of the PET membrane, facilitating observation by microscope; Compared to the PET membrane, the PC membrane has stronger cell adhesion, higher pore density which enable easier exchange of trans-membrane substances
- 3 configurations for cell culture inserts with plates and a variety of membrane bore sizes can meet a variety of different lab requirements
- Innovative nested edge design facilitates sample addition
- Special central suspension design protects monolayer cells while preventing cell culture medium loss
- Excellent chemical compatibility of the membrane makes it compatible with most of staining and fixed reagents
- Sterilized by irradiation, SAL 10<sup>-6</sup>
- DNase/RNase free, non-pyrogenic and non-cytotoxic





**Chemical Compatibility**

PC membrane and PET membrane are suitable for histological fixed reagents such as methanol and formaldehyde, and also tolerate alcohol, amines, lipids, ethers, ketones and petroleum solvents (such as halogenated hydrocarbon and DMSO). In particular, PET membrane has very good chemical applicability. However, strong acid and alkaline solutions are not recommended.

**Bore Density**

PET membrane and PC membrane have a rated bore density. In comparison, PET membrane has a lower bore density than that of PC membrane but is superior in terms of its optical performance.

The central hanging design of our tissue culture inserts within plates leaves a certain distance between the nest and the bottom, so that the monolayer cells will not be destroyed when the nest is moved away, and culture medium loss via capillary action between nested wall and pore wall can be prevented.

**Polycarbonate (PC) Membrane Tissue Culture Plate Inserts**

Cat. No.	Well	Pore size (µm)	Growth Area for Insert Membrane (cm <sup>2</sup> )	Sterile	Qty.Per. Box/Case
TCS000006	6	0.1	4.67	Y	6/24
TCS001006	6	0.4	4.67	Y	6/24
TCS100006	6	0.4	4.67	Y	6/24
TCS005006	6	1.0	4.67	Y	6/24
TCS002006	6	3.0	4.67	Y	6/24
TCS003006	6	8.0	4.67	Y	6/24
TCS100006	6	12.0	4.67	Y	6/24
TCS000012	12	0.1	1.12	Y	12/48
TCS001012	12	0.4	1.12	Y	12/48
TCS005012	12	1.0	1.12	Y	12/48
TCS002012	12	3.0	1.12	Y	12/48
TCS003012	12	8.0	1.12	Y	12/48
TCS100012	12	12.0	1.12	Y	12/48
TCS000024	24	0.1	0.33	Y	12/48
TCS001024	24	0.4	0.33	Y	12/48
TCS021024	24	0.4	0.33	Y	12/48
TCS005024	24	1.0	0.33	Y	12/48
TCS002024	24	3.0	0.33	Y	12/48
TCS031024	24	3.0	0.33	Y	12/48
TCS003024	24	8.0	0.33	Y	12/48
TCS004024	24	5.0	0.33	Y	12/48
TCS100024	24	12.0	0.33	Y	12/48

**Polyester (PET) Membrane Tissue Culture Plate Inserts**

Cat. No.	Well	Pore size (µm)	Growth Area for Insert Membrane (cm <sup>2</sup> )	Sterile	Qty.Per. Box/Case
TCS010006	6	0.1	4.67	Y	6/24
TCS017006	6	0.1	4.67	Y	6/24
TCS016006	6	0.4	4.67	Y	6/24
TCS018006	6	1.0	4.67	Y	6/24
TCS012006	6	3.0	4.67	Y	6/24
TCS019006	6	3.0	4.67	Y	6/24
TCS020006	6	8.0	4.67	Y	6/24
TCS010012	12	0.1	1.12	Y	12/48
TCS017012	12	0.1	1.12	Y	12/48
TCS016012	12	0.4	1.12	Y	12/48
TCS018012	12	1.0	1.12	Y	12/48
TCS012012	12	3.0	1.12	Y	12/48
TCS019012	12	3.0	1.12	Y	12/48
TCS020012	12	8.0	1.12	Y	12/48
TCS010024	24	0.1	0.33	Y	12/48
TCS017024	24	0.1	0.33	Y	12/48
TCS016024	24	0.4	0.33	Y	12/48
TCS018024	24	1.0	0.33	Y	12/48
TCS019024	24	3.0	0.33	Y	12/48
TCS012024	24	3.0	0.33	Y	12/48
TCS013024	24	8.0	0.33	Y	12/48
TCS020024	24	8.0	0.33	Y	12/48

**Polycarbonate (PC) Membrane Tissue Culture Plate Inserts**

Cat. No.	Pore size (µm)	Culture Area (cm <sup>2</sup> )	Suggested Working Volume(mL)	Qty.Per.Box/Case
TCS021024	0.4	4.7	1.1	4/24
TCS031024	3.0	4.7	1.1	4/24

**Confocal Dishes**

Confocal dishes, which are as convenient as 35mm culture dishes and as advantageous as cover slips in terms of their imaging effect, can provide the advanced optical performance required by high-magnification microscopes and confocal image analysis. They are used extensively in fluorescence microscopy, phase contrast microscopy, confocal microscopy, live cell imaging, differential interference contrast microscope, and fluorescence in situ hybridization (FISH).

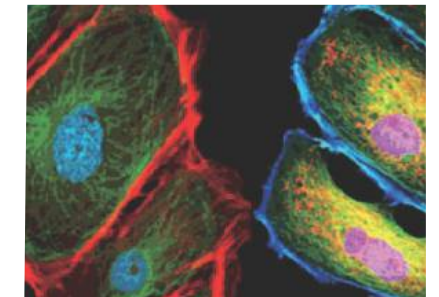
**Material**

◎ GPPS and bottom borosilicate glass

◎ Conforming to USP CLASS VI

**Features**

- ◎ 2 apertures available: 15mm and 20mm; Glass thickness: 0.16-0.19mm
- ◎ The glass bottom is free of autofluorescence and deformation. Made of borosilicate, it is extremely hydrophilic and has a good light permeability
- ◎ Suitable for fluorescence microscopy, laser scanning confocal microscopy, and phase contrast microscopy.
- ◎ Spliced with medical traceless glue, bringing excellent transparency and facilitating cell observation
- ◎ Sterilized by irradiation, SAL 10<sup>6</sup>
- ◎ DNase/RNase free, non-pyrogenic and non-cytotoxic

**Confocal Dishes**

Cat. No.	Pore size(mm)	Surface Type	Sterile	Qty.Per.Bag/Case
BDD011035	15	TC treated	Y	10/240
BDD012035	20		Y	10/240



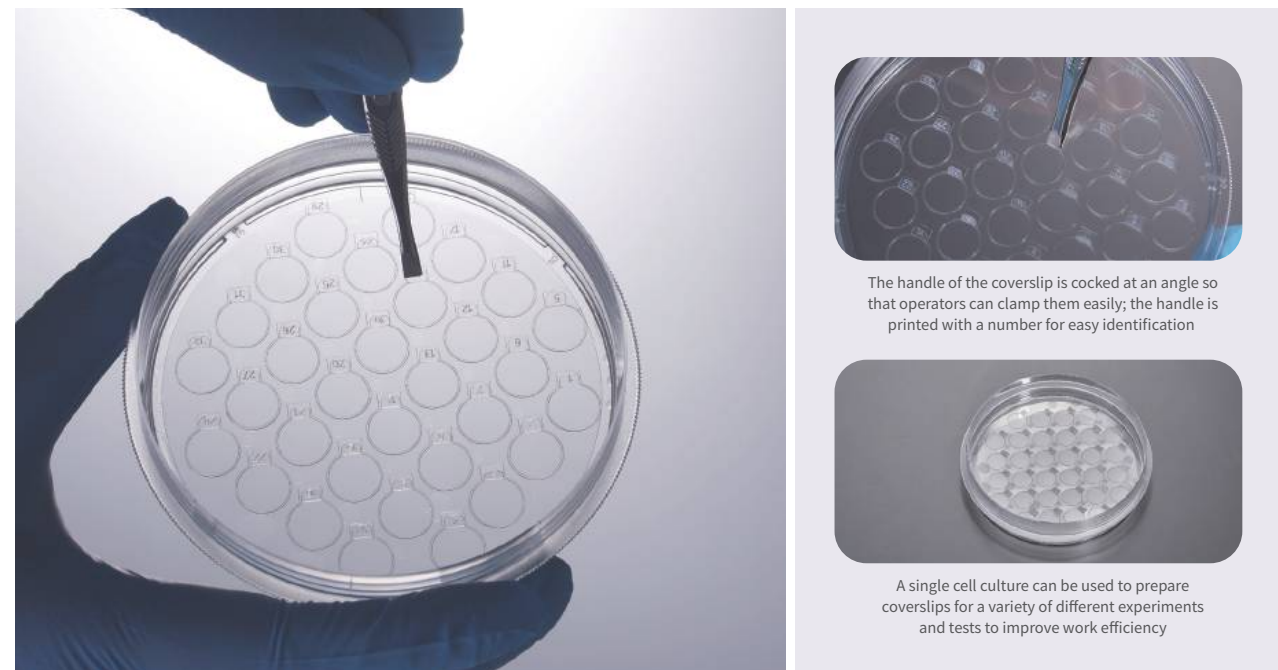
## CellSLIP® Coverslips

CellSLIP® Coverslips are a kind of laboratory consumables used for provide adherent cells growth on certain solid surfaces (such as coverslip and glass slides) based on various experimental requirements. For scientific research involving a large number of test samples and multiple testing indicators, numerous coverslips need to undergo HE staining and immunohistochemical staining. However, many coverslips available on the market have some weaknesses. For instance, some coverslips are made of glass, which is fragile; other coverslips are designed without handles and clamped difficult. Cells could grow on the coverslips during the course of a culture. The culture dish with coverslips produced by Jet Biofil (Patent No.: ZL201520113833.9, ZL201420594580.7, ZL201420594259. and ZL200610047607.0) is able to solve the weakness of common coverslips and greatly facilitate experimental research and application.

### Material

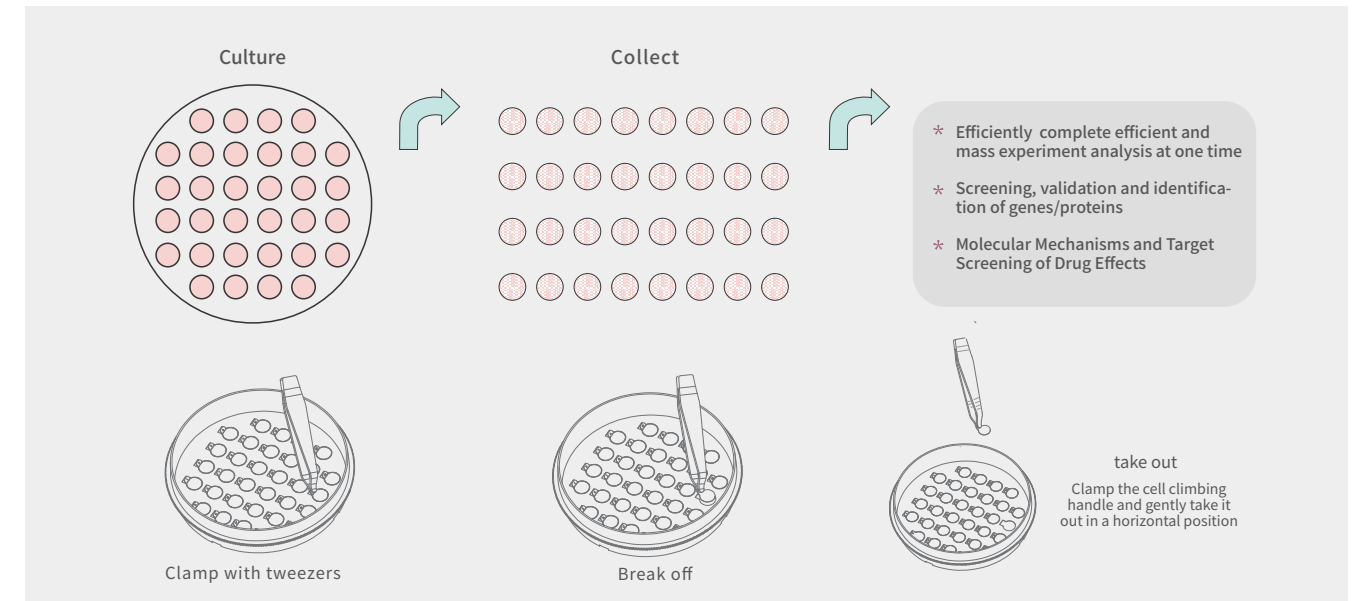
- ◎ Culture Dish: Polystyrene (GPPS)
- ◎ Conforming to USP CLASS VI

◎ Coverslip: Polyethylene terephthalate(PET)



### Features

- ◎ The coverslip is made of PET,high intensity and not fragile
- ◎ Excellent transparency and transmittance, making it possible to observe cells clearly under light microscopes and fluorescence microscopes
- ◎ Coverslip can be prepared for different kinds of tests in one experiment, thus greatly improving efficiency
- ◎ The handle of the coverlip is cocked at an angle so that operators can clamp them easily; the handle is printed with a number for easy identification
- ◎ Sterilized by irradiation, SAL 10<sup>6</sup>
- ◎ DNase/RNase free, non-pyrogenic and non-cytotoxic



### Coverslips

Cat. No.	Dish	Cell slide Qty.	Diameter(mm)	Appro.Cell Growth Area (cm <sup>2</sup> ) Single	Appro.Cell Growth Area (cm <sup>2</sup> ) Total	Plate	Qty.Per.Box/Case
CXD206008	6cm	18	8	0.50	9.00	48	1/48
CXD206010		12	10	0.79	9.42	48	
CXD310008	10cm	45	8	0.50	22.50	48	1/24
CXD310010		32	10	0.79	25.12	48	

## CellSCAFLD® 3D Cell Culture Scaffolds

The conventional cell culture is performed using the 2D planes, the growth model of 2D cell culture that is very different from the in vivo 3D environment in vivo. There are all significantly differences among cellular morphology, cell differentiation, cell-matrix interaction and intercellular interaction. The 3D cell culture provides an ideal simulation environment for an in vivo pattern of cell growth.

The 3D cell culture scaffold produced by Jet Biofil (Patent No.: ZL201620728244.6, ZL201620728243.1 and 201510783345.3) is an ideal tool for studying 3D cell cultures, the mechanism of interaction between cells, cellular immunotherapy, stem cell therapy, drug screening and drug production. Furthermore, the cell culture area can be improved and the yield can be increased significantly.

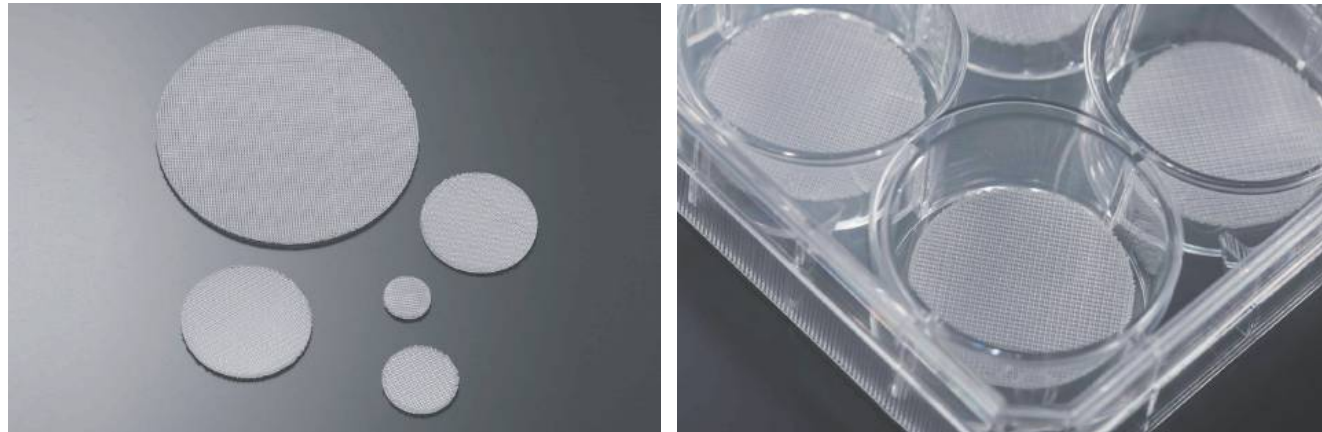
This 3D cell culture scaffold can be used with 6, 12, 24 well culture plates and culture dishes of different sizes such as 3.5cm, 6.0cm, and 7.0cm.



## Material

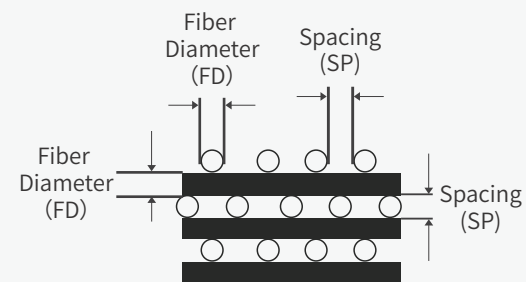
◎ Polystyrene (GPPS)

◎ Conforming to USP CLASS VI

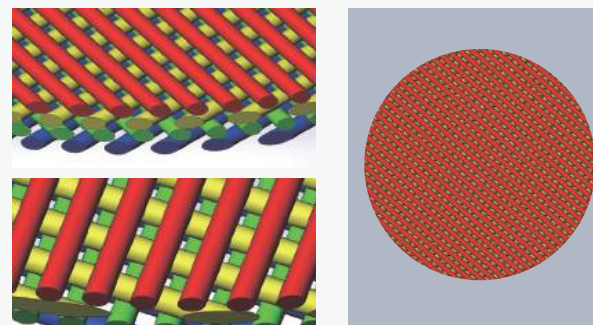


## Features

- ◎ Average fiber diameter: 500 $\mu$ m; average spacing of fiber column: 260 $\mu$ m, with high regularity. The product consists of a 3D porous structure with good connectivity, facilitating the transmission of different nutritional ingredients in the course of the 3D cell culture, and ensuring the consistency of metabolic activity and accuracy of culture results
- ◎ In comparison to the 2D cell culture, the 3D cell culture is easier to operate in terms of cell function expression, since it simulates the 3D structure of human and animal cells to a maximum level and provides an ideal interactive environment between cells
- ◎ The 3D cell culture scaffold has a much larger specific surface area than conventional 2D cell culture products, thus saving on both space and material, and significantly improving cell culture efficiency and yield.
- ◎ The surface shows very strong cell adherence through an advanced hydrophilic treatment
- ◎ No adsorption of cytokines or growth factors; cells and their secretions can be directly separated from the 3D scaffold when harvesting the cells
- ◎ Sterilized by irradiation, SAL 10<sup>-6</sup>
- ◎ DNase/RNase free, non-pyrogenic and non-cytotoxic



Average fiber diameter: 500 $\mu$ m (FD); average spacing of fiber column: 260 $\mu$ m(SP)



Structural diagram of 3D cell culture scaffold: fibers between each layer alternate at 90°, and fibers parallel and not opposite between every 2 layers.

Cat. No.	Type	JET CellSCAFLD® 3D cell culture			Number of Brackets /Box	Bracket Surface Area (cm <sup>2</sup> )	Total Surface Area of the Stent(cm <sup>2</sup> )	Characteristic	Per. Box/ Case
		Size(mm)	Fiber Diameter( $\mu$ m)	Aperture( $\mu$ m)					
TDD032035	3.5cm	32.0x1.6	500	260	1	43	43	The 3D scaffold is a four-layered three-dimensional structure with a highly hydrophilic surface and adherent culture.	1/40
TDD032060	6.0cm	51.0x1.6	500	260	1	109	109		1/30
TDD032070	7.0cm	67.5x1.6	500	260	1	191	191		1/30
TDP032006	6 Well	33.5x1.6	500	260	3	48	144	The 3D scaffold is built into the culture plate well or culture dish.	1/8
TDP032012	12 Well	21.0x1.6	500	260	6	19	114		1/8
TDP032024	24 Well	15.0x1.6	500	260	12	10	120		1/8

## Bio-Reaction Tubes

Bio-reaction tubes are suitable for use in the high-throughput condition optimization process for suspension cell culture, including research and clonal selection of cell lines, culture medium optimization and recombinant protein development, etc.



## Material

- ◎ Tube Body: Polypropylene(PP)
- ◎ Tube Cap: High-density Polyethylene (HDPE)
- ◎ Conforming to USP CLASS VI

## Features

- ◎ Inner/outer surfaces of the tube are smooth with an even luster
- ◎ The white silk screen can be used for recording experimental data
- ◎ Hydrophobic vent cap for continuous gas exchange

- ◎ Max. RCF: 12,000xg
- ◎ Sterilized by irradiation, SAL 10<sup>-6</sup>
- ◎ DNase/RNase free, non-pyrogenic and non-cytotoxic

Cat. No.	Volume(mL)	Bottom	Max Rotate Speed(xg)	Sterile	Package	Qty.Per Bag/Case
BRT000015	15	Conical	12,000	Y	Re-sealable Bag	10/100
BRT010015	15	Conical	12,000	Y	Paper Rack	50/300
BRT000050	50	Conical	16,000	Y	Re-sealable Bag	10/100
BRT010050	50	Conical	16,000	Y	Paper Rack	25/300
BRT011050	50	Self-Conical	6,000	Y	Re-sealable Bag	10/100

Cat. No.	Volume(mL)	Speciality	Sterile	Qty.Per Bag/Case
BRC000050	50	Tube Cap	Y	25/1000

## Culture Tubes

The culture tubes are primarily used to culture tissues and bacteria, to store clinical samples, including powder or liquid samples, and to conduct molecular biology tests, such as ELISA tests, RIA analysis and flow cytometry.

### Material

- ◎ Tube Body: Polypropylene (PP)/Polystyrene (PS)
- ◎ Tube Cap: Polyethylene(PE)
- ◎ Conforming to USP CLASS VI



### Features

- ◎ Four capacities: 4mL, 5mL, 8mL and 14mL
- ◎ Round and conical bottoms available
- ◎ Smooth inner and outer tube surfaces: PS for higher transparency, and PP for better chemical compatibility
- ◎ Dual-position sealed and plug cap are available: flexible operation with no sample loss.
- ◎ The 12\*75mm-long(5mL) polystyrene round bottom tube is widely used in flow cytometry.
- ◎ Sterilized and non-sterilized available, sterilized by irradiation to SAL 10<sup>-6</sup>
- ◎ DNase/RNase free, non-pyrogenic and non-cytotoxic

Cat. No.	Volume (mL)	Cap Style	Bottom	Material	Sterile	Qty.Per.Bag/Case
TUB000004	4	Without Cap	Conical	PP	N	1000
TUB010004	4	Without Cap	Conical	PS	N	1000
TUB020004	4	Dual Cap	Conical	PP	Y	25/500
TUB012004	4	Dual Cap	Conical	PS	Y	25/500
TUB000005	5	Without Cap	U-Bottom	PP	N	1000
TUB011005	5	Without Cap	U-Bottom	PS	N	1000

Cat. No.	Volume (mL)	Cap Style	Bottom	Material	Sterile	Qty.Per.Bag/Case
TUB022005	5	Plug Cap	U-Bottom	PP	Y	25/500
TUB023005	5	Plug Cap	U-Bottom	PS	Y	25/500
TUB025005	5	Dual Cap	U-Bottom	PP	Y	25/500
TUB028005	5	Dual Cap	U-Bottom	PS	Y	25/500
TUB000008	8	Without Cap	U-Bottom	PP	N	1000
TUB011008	8	Without Cap	U-Bottom	PS	N	1000
TUB002008	8	Without Cap	U-Bottom	PP	Y	125/1000
TUB013008	8	Without Cap	U-Bottom	PS	Y	125/1000
TUB002140	14	Without Cap	U-Bottom	PP	N	1000
TUB004140	14	Without Cap	U-Bottom	PS	N	1000
TUB100140	14	Without Cap	U-Bottom	PS	N	50/500
TUB111140	14	Dual Cap	U-Bottom	PS	Y	25/500
TUB000140	14	Dual Cap	U-Bottom	PP	N	50/500
TUB011140	14	Dual Cap	U-Bottom	PP	Y	25/500

## 15mL PS Centrifuge Tubes

15mL PS centrifuge tubes are made of USP CLASS VI polystyrene (PS) for better transparency.

### Material

- ◎ Tube Body: Polystyrene (PS)
- ◎ Tube Cap: High density polyethylene (HDPE)
- ◎ Conforming to USP CLASS VI

### Features

- ◎ The scale is clear and easy to read
- ◎ High transparency, suitable for biological experiments
- ◎ Tube cap is set with a leak-proof gasket
- ◎ Maximum RCF: 3,000xg
- ◎ Sterilized by irradiation, SAL 10<sup>-6</sup>
- ◎ DNase/RNase free, non-pyrogenic and non-cytotoxic





Cat. No.	Volume (mL)	Material	Sterile	Package	Qty.Per Bag/Case
CFT410150	15	PS	N	Re-sealable Bag	50/500
CFT411150	15	PS	Y	Re-sealable Bag	25/500
CFT421150	15	PS	Y	Paper Rack	25/500
CFT721150	15	PS	Y	Plastic Rack	25/300
CFT412150	15	PS	Y	Re-sealable Bag	25/500
CFT422150	15	PS	Y	Paper Rack	25/500
CFT722150	15	PS	Y	Plastic Rack	25/300

## Cell Strainers

Cell strainers are applicable to the preparation of samples for flow cytometric analysis and single cell suspension of blood cells, the rapid separation of primary cultured cells and primary cells from tissues, etc., and the pre filtration of cells with a diameter greater than 40  $\mu\text{m}$  particle solution, and cleaning of cell suspension before cell subculture, counting, analysis or cryopreservation.



### Material

- ◉ Frame: Polypropylene (PP)
- ◉ Bottom: Nylon Mesh
- ◉ Conforming to USP CLASS VI

### Features

- ◉ The bottom is made of an evenly distributed nylon mesh, providing reliable experimental results
- ◉ The top extension edge can be operated aseptically with forceps
- ◉ Molded polypropylene frame be marked in different colors for easy handling and identification
- ◉ Suitable for 50mL centrifuge tubes, and 225mL/250mL/500mL large-capacity conical centrifuge bottles
- ◉ Sterilized by irradiation, SAL  $10^{-6}$
- ◉ DNase/RNase free, non-pyrogenic and non-cytotoxic

Standard size, suitable for 50mL centrifuge tube, 225mL centrifuge tube

Cat. No.	Specification (mL)	Color	Sterile	Qty.Per.Bag/Case
CSS013040	40	Blue	Y	50/200
CSS013070	70	White	Y	50/200
CSS013100	100	Yellow	Y	50/200

Extra large model, suitable for 500mL conical centrifuge bottle

Cat. No.	Specification( $\mu\text{m}$ )	Color	Sterile	Qty.Per.Bag/Case
CSS015040	40	Blue	Y	50/200
CSS015070	70	White	Y	50/200
CSS015100	100	Yellow	Y	50/200

## Pestles for Cell Strainer

The cell Strainer pestle consists of a handheld column pestle, a flat column grinding head, and a component for connecting the pestle to the grinding head. Thanks to its convex design, it can increase the contact area of the grinding head with the ground materials. It can also increase frictional force during the grinding process so as to optimize the grinding effect.

### Material

- ◉ Polypropylene (PP)
- ◉ Conforming to USP CLASS VI



### Features

- ◉ PP material, hard and wear resistant
- ◉ Strainer line at the bottom for optimized grinding
- ◉ Specially designed handle, slip-resistant and easy to hold
- ◉ Reduce sample loss combined with cell strainer
- ◉ Sterilized by irradiation, SAL  $10^{-6}$
- ◉ DNase/RNase free, non-pyrogenic and non-cytotoxic

Cat. No.	Description	Sterile	Qty.Per Tray	Qty.Per Case
CSP001001	Pestle for Cell Strainer, Green, Individually Packaged	Y	1	100

## Pestles for 1.5mL Micro Centrifuge Tube

The disposable pestles are made of high-quality PP. They can be used in combination with 1.5mL micro-centrifuge tubes to finely grind soft tissue samples, resuspension protein, DNA, etc.

### Material

- Polypropylene (PP)
- Conforming to USP CLASS VI

### Features

- Made of high-quality PP, hard and wear resistant
- Specially designed handle is slip-proof and easy to hold
- Can be used in combination with 1.5mL microcentrifuge tubes, facilitating fine sample grinding
- Sterilized by irradiation, SAL 10<sup>-6</sup>
- Individual packing for easy operation
- DNase/RNase free, non-pyrogenic and non-cytotoxic

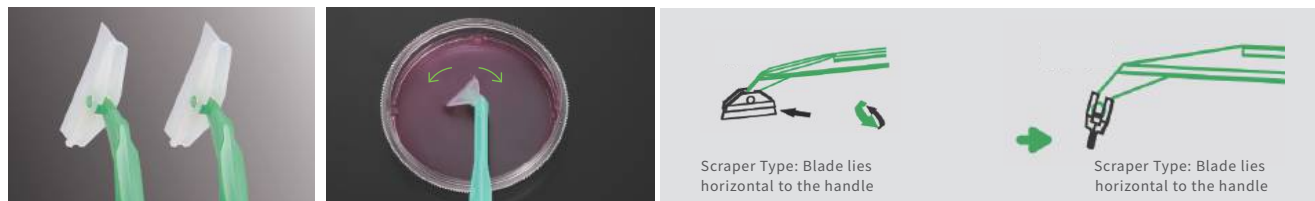


Cat. No.	Length(mm)	Description	Sterile	Qty. Per Bag/Case
CSP001002	78	White, Individually package	Y	1/100
CSP002002	78	White, Bulk package	Y	100/1000
CSP003002	78	White, Pestle and Microtube Combo	Y	1/100

## Cell Scrapers

**Cell Scrapers:** The specially designed cell scraper features a turning function to ensure that an ideal angle is maintained during cell collection; convenient for manually harvesting adherent cells from culture vessels.

**Rotatable Cell Scrapers:** Changes in blade angle of the cell scraper require a slight pressure on the handle using the forefinger, thus pushing the handle downward towards the floor of the culture vessels.



## Cell Scrapers:

### Material

- Blade: TPE
- Handle: ABS
- Conforming to USP CLASS VI

### Features

- Two blade specifications available: scraper and lifter
- Specially designed to make the process of scraping and collecting cells easier and more effective
- Ultra-thin, flexible swivel blades are easy to use, reducing cell damage
- Slender, tepid, easy to blow off and collect cells
- The 25cm cell scraper is suitable for T25 and T75 culture flasks, while the 39cm cell scraper is designed for other culture flasks/spinner bottles with higher capacities
- Individually wrapped
- Sterilized by irradiation, SAL 10<sup>-6</sup>
- DNase/RNase free, non-pyrogenic and non-cytotoxic

Cat. No.	Blade(cm)	Total Length(cm)	Material	Blade Position	Sterile	Qty. Per Bag/Case
CSC011025	2.0	25	Blade/TPE;Handle/ABS	Scraper	Y	1/100
CSC012025	2.0	25	Blade/TPE;Handle/ABS	Lifter	Y	1/100
CSC011039	3.0	39	Blade/TPE;Handle/ABS	Scraper	Y	1/100
CSC012039	3.0	39	Blade/TPE;Handle/ABS	Lifter	Y	1/100

## Rotatable Cell Scrapers:

### Material

- Blades: PE
- Handle: ABS
- Conforming to USP CLASS VI

### Features

- Available in 2 different lengths: 23cm and 30cm
- Rotating blade able to reach any required direction
- Full access to every corner
- Ribbed handle
- Individually wrapped
- Sterilized by irradiation, SAL 10<sup>-6</sup>
- DNase/RNase free, non-pyrogenic and non-cytotoxic

Cat. No.	Blade(mm)	Total Length(cm)	Material	Sterile	Qty. Per Bag/Case
CSC211023	12	25	Blades/PE;Handle/ABS	Y	1/150
CSC211030	20	30	Blades/PE;Handle/ABS	Y	1/150
CSC212023	20	23	Blade/PE;Handle/ABS	Y	1/150
CSC212030	12	30	Bladess/PE;Handle/ABS	Y	1/150



## Exchangeable Cell Blade and Lifters

Cell blades, which are made of high quality polyethylene material, feature an excellent toughness to protect cells when collecting the cells. Thus, they are the best tool for cell collection in a laboratory

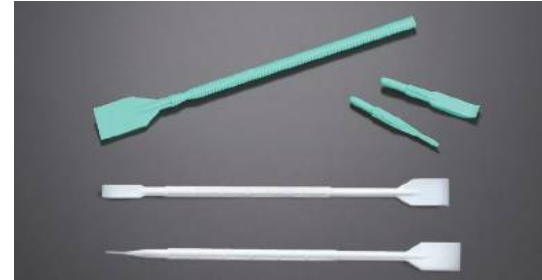
### Material

- ◉ PE (Polyethylene)
- ◉ Conforming to USP CLASS VI

### Features

- ◉ Available in two different styles: 9.0mm J-Hook and 2.5mm Narrow Blade.
- ◉ Easy to operate, with a special blade design to minimize cell damage
- ◉ Spacious shovel blade design, easy and fast operation
- ◉ Unique dual-function design with a "scraper-type" structure at the other end to provide dead-end treatment
- ◉ Sterilized by irradiation, SAL10<sup>-6</sup>
- ◉ DNase/RNase free, non-pyrogenic and non-cytotoxic

Cat. No.	Description	Sterile	Qty. Per Bag/Case
CSC013001	9.0mm J-Hook, Green Color	Y	1/100
CSC013002	2.5mm Narrow Blade, Green Color	Y	1/100



## L-shaped Cell Spreaders

L-shaped cell spreaders are ideal tools to ensure the even distribution and growth of cells or bacteria in a culture dish and plate.

### Material

- ◉ Polypropylene (PP)
- ◉ Conforming to USP CLASS VI

### Features

- ◉ Smooth surface to minimize scratch
- ◉ The upward design at the end greatly reduces the damage to the medium
- ◉ No need for high-temperature flame sterilization
- ◉ Sterilized by irradiation, SAL 10<sup>-6</sup>
- ◉ DNase/RNase free, non-pyrogenic and non-cytotoxic

Cat. No.	Description	Qty./Case
CSP011014	PP, Individually Wrapped, Sterile	1/100
CSC012014	PP, 10 Per pack, Sterile	10/500



## Cryogenic Vials

Cryogenic vials are made of transparent polypropylene (PP). By means of a specialized process, they are able to withstand ultra-low temperatures. Fully sealed to avoid leakage, the cryogenic vials are suitable for the long-term cryopreservation of cells and tissues.

### Material

- ◉ Tube Body: Polypropylene (PP)
- ◉ Tube Cap: High density polyethylene (HDPE)
- ◉ Conforming to USP CLASS VI



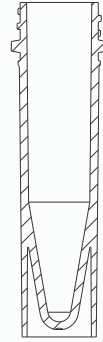
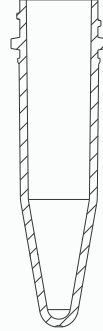
### Features

- ◉ 4 specifications available: 0.5mL, 1.5mL, 2.0mL, 5.0mL
- ◉ The tube is made of PP, in a smooth, transparent style; it can resist ultra-low temperatures and withstand repeated freezing and thawing
- ◉ Tube body designed with both graduation and writing area for easy identification, observation and labeling
- ◉ Silica gel sealing washer inside the sealing cap eliminates liquid leakage
- ◉ Working temperature range: -196 C (LN<sub>2</sub> gas phase) ~ +121 C
- ◉ Max. liquid storage volume for freezing: 80% of max. graduation
- ◉ Sterilized by irradiation, SAL 10<sup>-6</sup>
- ◉ DNase/RNase free, non-pyrogenic and non-cytotoxic

## 0.5mL Cryogenic Vials

	Cat. No.	Capacity(mL)	Bottom	Sterile	Lid Color	Qty.Per.Bag/Case
	FCT511005	0.5	Self-standing	N	Natural	50/5000
	FCT511105	0.5	Self-standing	N	Red	50/5000
	FCT511205	0.5	Self-standing	N	Orange	50/5000
	FCT511305	0.5	Self-standing	N	Blue	50/5000
	FCT511405	0.5	Self-standing	N	Yellow	50/5000
	FCT511505	0.5	Self-standing	N	Green	50/5000
	FCT511605	0.5	Self-standing	N	Pink	50/5000
	FCT511705	0.5	Self-standing	N	Brown	50/5000
	FCT511805	0.5	Self-standing	N	White	50/5000
	FCT511905	0.5	Self-standing	N	Black	50/5000
	FCT512005	0.5	Self-standing	Y	Natural	50/5000
	FCT512105	0.5	Self-standing	Y	Red	50/5000
	FCT512205	0.5	Self-standing	Y	Orange	50/5000
	FCT512305	0.5	Self-standing	Y	Blue	50/5000
	FCT512405	0.5	Self-standing	Y	Yellow	50/5000
	FCT512505	0.5	Self-standing	Y	Green	50/5000
	FCT512605	0.5	Self-standing	Y	Pink	50/5000
	FCT512705	0.5	Self-standing	Y	Brown	50/5000
	FCT512805	0.5	Self-standing	Y	White	50/5000
	FCT512905	0.5	Self-standing	Y	Black	50/5000
	FCT521905	0.5	Self-standing	Y	Black	250/5000 (The tube body is packaged separately from the tube cap.)
	FCT611005	0.5	Conical	N	Natural	50/5000
	FCT611105	0.5	Conical	N	Red	50/5000
	FCT611205	0.5	Conical	N	Orange	50/5000
	FCT611305	0.5	Conical	N	Blue	50/5000
	FCT611405	0.5	Conical	N	Yellow	50/5000
	FCT611505	0.5	Conical	N	Green	50/5000
	FCT611605	0.5	Conical	N	Pink	50/5000
	FCT611705	0.5	Conical	N	Brown	50/5000
	FCT611805	0.5	Conical	N	White	50/5000
	FCT611905	0.5	Conical	N	Black	50/5000
	FCT612005	0.5	Conical	Y	Natural	50/5000
	FCT612105	0.5	Conical	Y	Red	50/5000
	FCT612205	0.5	Conical	Y	Orange	50/5000
	FCT612305	0.5	Conical	Y	Blue	50/5000
	FCT612405	0.5	Conical	Y	Yellow	50/5000
	FCT612505	0.5	Conical	Y	Green	50/5000
	FCT612605	0.5	Conical	Y	Pink	50/5000
	FCT612705	0.5	Conical	Y	Brown	50/5000
	FCT612805	0.5	Conical	Y	White	50/5000
	FCT612905	0.5	Conical	Y	Black	50/5000

## 1.5mL Cryogenic Vials with Flat Lid

	Cat. No.	Capacity(mL)	Bottom	Sterile	Lid Color	Qty.Per.Bag/Case
	FCT511015	1.5	Self-standing	N	Natural	50/5000
	FCT511115	1.5	Self-standing	N	Red	50/5000
	FCT511215	1.5	Self-standing	N	Orange	50/5000
	FCT511315	1.5	Self-standing	N	Blue	50/5000
	FCT511415	1.5	Self-standing	N	Yellow	50/5000
	FCT511515	1.5	Self-standing	N	Green	50/5000
	FCT511615	1.5	Self-standing	N	Pink	50/5000
	FCT511715	1.5	Self-standing	N	Brown	50/5000
	FCT511815	1.5	Self-standing	N	White	50/5000
	FCT511915	1.5	Self-standing	N	Black	50/5000
	FCT512015	1.5	Self-standing	Y	Natural	50/5000
	FCT512115	1.5	Self-standing	Y	Red	50/5000
	FCT512215	1.5	Self-standing	Y	Orange	50/5000
	FCT512315	1.5	Self-standing	Y	Blue	50/5000
	FCT512415	1.5	Self-standing	Y	Yellow	50/5000
	FCT512515	1.5	Self-standing	Y	Green	50/5000
	FCT512615	1.5	Self-standing	Y	Pink	50/5000
	FCT512715	1.5	Self-standing	Y	Brown	50/5000
	FCT512815	1.5	Self-standing	Y	White	50/5000
	FCT512915	1.5	Self-standing	Y	Black	50/5000
	FCT521915	1.5	Self-standing	Y	Black	250/5000 (The tube body is packaged separately from the tube cap.)
	FCT611015	1.5	Conical	N	Natural	50/5000
	FCT611115	1.5	Conical	N	Red	50/5000
	FCT611215	1.5	Conical	N	Orange	50/5000
	FCT611315	1.5	Conical	N	Blue	50/5000
	FCT611415	1.5	Conical	N	Yellow	50/5000
	FCT611515	1.5	Conical	N	Green	50/5000
	FCT611615	1.5	Conical	N	Pink	50/5000
	FCT611715	1.5	Conical	N	Brown	50/5000
	FCT611815	1.5	Conical	N	White	50/5000
	FCT611915	1.5	Conical	N	Black	50/5000
	FCT612015	1.5	Conical	Y	Natural	50/5000
	FCT612115	1.5	Conical	Y	Red	50/5000
	FCT612215	1.5	Conical	Y	Orange	50/5000
	FCT612315	1.5	Conical	Y	Blue	50/5000
	FCT612415	1.5	Conical	Y	Yellow	50/5000
	FCT612515	1.5	Conical	Y	Green	50/5000
	FCT612615	1.5	Conical	Y	Pink	50/5000
	FCT612715	1.5	Conical	Y	Brown	50/5000
	FCT612815	1.5	Conical	Y	White	50/5000
	FCT612915	1.5	Conical	Y	Black	50/5000



## 2.0mL Cryogenic Vials with Flat Lid

Cat. No.	Capacity(mL)	Bottom	Sterile	Lid Color	Qty.Per.Bag/Case
FCT511020	2.0	Self-standing	N	Natural	20/5000
FCT511120	2.0	Self-standing	N	Red	20/5000
FCT511220	2.0	Self-standing	N	Orange	20/5000
FCT511320	2.0	Self-standing	N	Blue	20/5000
FCT511420	2.0	Self-standing	N	Yellow	20/5000
FCT511520	2.0	Self-standing	N	Green	20/5000
FCT511620	2.0	Self-standing	N	Pink	20/5000
FCT511720	2.0	Self-standing	N	Brown	20/5000
FCT511820	2.0	Self-standing	N	White	20/5000
FCT511920	2.0	Self-standing	N	Black	20/5000
FCT512020	2.0	Self-standing	Y	Natural	50/5000
FCT512120	2.0	Self-standing	Y	Red	50/5000
FCT512220	2.0	Self-standing	Y	Orange	50/5000
FCT512320	2.0	Self-standing	Y	Blue	50/5000
FCT512420	2.0	Self-standing	Y	Yellow	50/5000
FCT512520	2.0	Self-standing	Y	Green	50/5000
FCT512620	2.0	Self-standing	Y	Pink	50/5000
FCT512720	2.0	Self-standing	Y	Brown	50/5000
FCT512820	2.0	Self-standing	Y	White	50/5000
FCT512920	2.0	Self-standing	Y	Black	50/5000
FCT512920	2.0	Self-standing	Y	Black	250/5000 (The tube body is packaged separately from the tube cap.)
FCT512020	2.0	Self-standing	Y	Natural	250/5000 (The tube body is packaged separately from the tube cap.)
FCT611020	2.0	Conical	N	Natural	20/5000
FCT611120	2.0	Conical	N	Red	20/5000
FCT611220	2.0	Conical	N	Orange	20/5000
FCT611320	2.0	Conical	N	Blue	20/5000
FCT611420	2.0	Conical	N	Yellow	20/5000
FCT611520	2.0	Conical	N	Green	20/5000
FCT611620	2.0	Conical	N	Pink	20/5000
FCT611720	2.0	Conical	N	Brown	20/5000
FCT611820	2.0	Conical	N	White	20/5000
FCT611920	2.0	Conical	N	Black	20/5000
FCT612020	2.0	Conical	Y	Natural	20/5000
FCT612120	2.0	Conical	Y	Red	20/5000
FCT612220	2.0	Conical	Y	Orange	20/5000
FCT612320	2.0	Conical	Y	Blue	20/5000
FCT612420	2.0	Conical	Y	Yellow	20/5000
FCT612520	2.0	Conical	Y	Green	20/5000
FCT612620	2.0	Conical	Y	Pink	20/5000
FCT612720	2.0	Conical	Y	Brown	20/5000
FCT612820	2.0	Conical	Y	White	20/5000
FCT612920	2.0	Conical	Y	Black	20/5000

## Brown Cryogenic Vials

Cat. No.	Capacity(mL)	Bottom	Sterile	Qty.Per.Bag/Case
FCT513905	0.5	Self-standing	Y	500/5000
FCT513915	1.5	Self-standing	Y	500/5000
FCT513920	2.0	Self-standing	Y	500/5000
FCT510905	0.5	Self-standing	N	500/5000
FCT510915	1.5	Self-standing	N	500/5000
FCT510920	2.0	Self-standing	N	500/5000
FCT315705	0.5	Self-standing	Y	500/5000
FCT315715	1.5	Self-standing	Y	500/5000
FCT315720	2.0	Self-standing	Y	500/5000
FCT411905	0.5	Conical	Y	500/5000
FCT411915	1.5	Conical	Y	500/5000
FCT411920	2.0	Conical	Y	500/5000
FCT410905	0.5	Conical	Y	500/5000
FCT410915	1.5	Conical	N	500/5000
FCT410920	2.0	Conical	N	500/5000

## 0.5mL Cryogenic Vials with Concave Cap

Cat. No.	Capacity(mL)	Bottom	Sterile	Lid Color	Qty.Per.Bag/Case
FCT311105	0.5	Self-standing	N	Red	50/5000
FCT311305	0.5	Self-standing	N	Blue	50/5000
FCT311405	0.5	Self-standing	N	Yellow	50/5000
FCT311505	0.5	Self-standing	N	Green	50/5000
FCT311605	0.5	Self-standing	N	Pink	50/5000
FCT311705	0.5	Self-standing	N	Brown	50/5000
FCT311805	0.5	Self-standing	N	White	50/5000
FCT311905	0.5	Self-standing	N	Black	50/5000
FCT312105	0.5	Self-standing	Y	Red	50/5000
FCT312305	0.5	Self-standing	Y	Blue	50/5000
FCT312405	0.5	Self-standing	Y	Yellow	50/5000
FCT312505	0.5	Self-standing	Y	Green	50/5000
FCT312605	0.5	Self-standing	Y	Pink	50/5000
FCT312705	0.5	Self-standing	Y	Brown	50/5000
FCT312805	0.5	Self-standing	Y	White	50/5000
FCT312905	0.5	Self-standing	Y	Black	50/5000

## 1.5mL Cryogenic Vials with Concave Cap

Cat. No.	Capacity(mL)	Bottom	Sterile	Lid Color	Qty.Per.Bag/Case
FCT311115	1.5	Self-standing	N	Red	50/5000
FCT311315	1.5	Self-standing	N	Blue	50/5000
FCT311415	1.5	Self-standing	N	Yellow	50/5000

Cat. No.	Capacity(mL)	Bottom	Sterile	Lid Color	Qty.Per.Bag/Case
FCT311515	1.5	Self-standing	N	Green	50/5000
FCT311615	1.5	Self-standing	N	Pink	50/5000
FCT311715	1.5	Self-standing	N	Brown	50/5000
FCT311815	1.5	Self-standing	N	White	50/5000
FCT311915	1.5	Self-standing	N	Black	50/5000
FCT312115	1.5	Self-standing	Y	Red	50/5000
FCT312315	1.5	Self-standing	Y	Blue	50/5000
FCT312415	1.5	Self-standing	Y	Yellow	50/5000
FCT312515	1.5	Self-standing	Y	Green	50/5000
FCT312615	1.5	Self-standing	Y	Pink	50/5000
FCT312715	1.5	Self-standing	Y	Brown	50/5000
FCT312815	1.5	Self-standing	Y	White	50/5000
FCT312915	1.5	Self-standing	Y	Black	50/5000

Cryogenic Vials with Concave Cap (Re-sealable bag)

Cat. No.	Capacity(mL)	Bottom	Sterile	Qty.Per.Bag/Case
FCT112005	0.5	Conical	N	500/5000
FCT122005	0.5	Conical	Y	500/5000
FCT112015	1.5	Conical	N	500/5000
FCT122015	1.5	Conical	Y	500/5000
FCT112020	2.0	Conical	N	500/5000
FCT122020	2.0	Conical	Y	500/5000
FCT311005	0.5	Self-standing	N	500/5000
FCT312005	0.5	Self-standing	Y	500/5000
FCT311015	1.5	Self-standing	N	500/5000
FCT312015	1.5	Self-standing	Y	500/5000
FCT311020	2.0	Self-standing	N	500/5000
FCT312020	2.0	Self-standing	Y	500/5000

Cryogenic Vials with Concave Cap (Big Re-sealable bag)

Cat. No.	Capacity (mL)	Bottom	Sterile	Lid Color	Qty.Per. Bag/Case
FCT210005	0.5	Conical	N	Natural	500/5000
FCT210015	1.5	Conical	N	Natural	500/5000
FCT210020	2.0	Conical	N	Natural	500/5000
FCT310005	0.5	Self-standing	N	Natural	500/5000
FCT310015	1.5	Self-standing	N	Natural	500/5000
FCT310020	2.0	Self-standing	N	Natural	500/5000
FCT311205	0.5	Self-standing	Y	Natural	500/5000
FCT311215	1.5	Self-standing	Y	Natural	500/5000
FCT311220	2.0	Self-standing	Y	Natural	500/5000

Disposable Cryogenic Vials

Cat. No.	Capacity (mL)	Bottom	Sterile	Lid Color	Qty.Per. Bag/Case
FCT002005	0.5	Conical	Y	Natural	50/5000
FCT001005	0.5	Self-standing	Y	Natural	50/5000
FCT001015	1.5	Self-standing	Y	Natural	50/5000
FCT001018	1.8	Self-standing	Y	Natural	20/5000
FCT001050	5.0	Self-standing	Y	Light green	50/500
FCT002050	5.0	Self-standing	Y	Red	20/2500
FCT001150	5.0	Self-standing	Y	Light green	50/500



Stock Code: 688026

# Bioprocess



In recent decades, with the continuous innovation and rapid development of life science and technology, the science of human life and medical science depend on biological products in a gradually increasing manner. The traditional method of extracting biological products from animal tissues by biochemical technologies has been unable to meet market demands and therefore a new technology prevails in the current days in which cells are extracted from animal tissues and cultured on a large scale in vitro to produce mAbs, specific proteins, IFNs and viral vaccines, and cellular therapy products.

Adhering to the spirit of innovation, JET BIOFIL focuses on the R&D of core technologies and develops a series of biotechnical R&D instruments for bioprocess, such as multi-layer cell culture systems, multi-layer cell culture flasks and large-capacity erlenmeyer flasks, which can not only save time, space, and manpower required for bioprocesses, but also minimize risks of contamination. All products are DNase/RNase and pyrogen-free and non-cytotoxic and produced in a Class 100,000 clean workshop with high-quality raw materials conforming to USP CLASS VI standards in strict accordance with ISO 9001:2015 and ISO 13485:2016 and have stable performance through cell line testing and strict quality validation. In addition, they have biosafety test and biocompatibility test reports provided by a third party to meet the high-quality demands for bioprocess.



## CellFac® Multi-Layer Cell Culture System

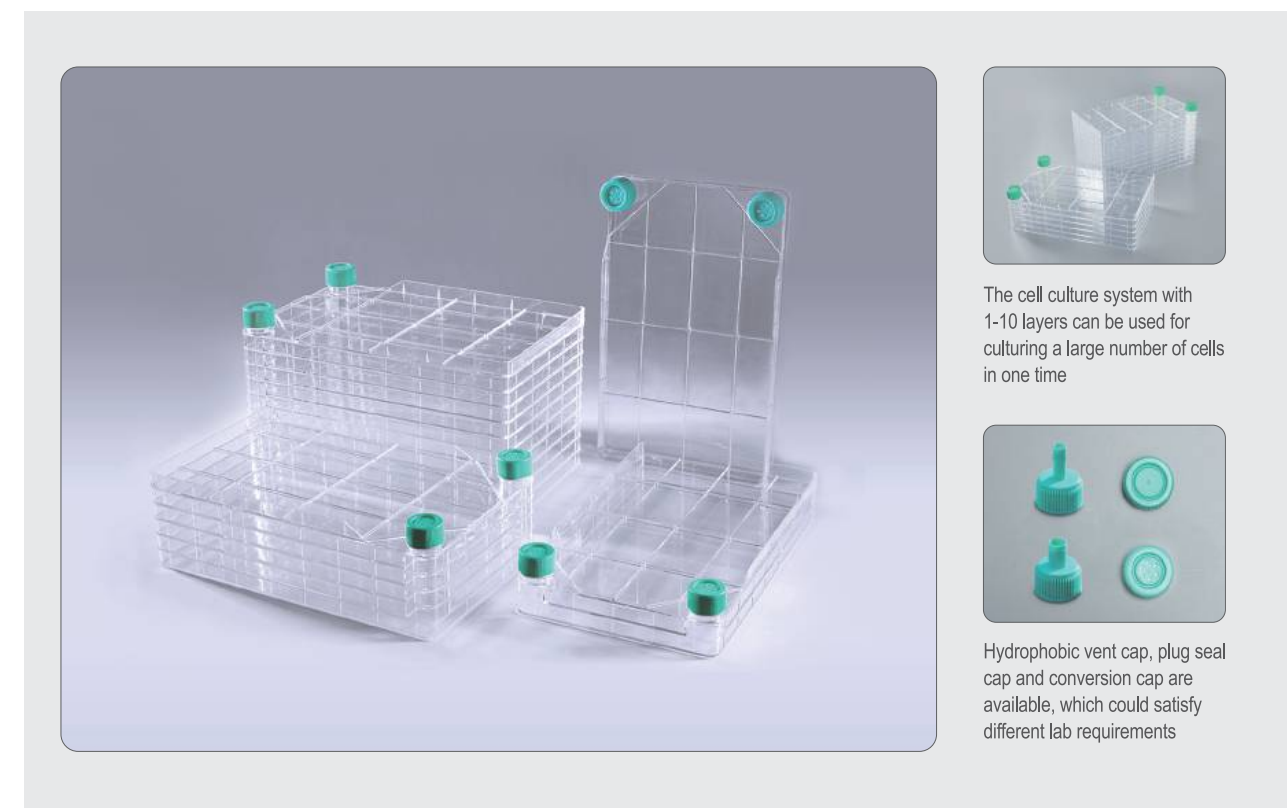
The CellFac® Multi-Layer cell culture systems are made of the medical grade high polymer material GPPS. National patents have been applied for the cultivator structure (patent No.: ZL201220167380.4 and ZL201220167162.0).

It features a large cell growth surface area, high cell growth density and a large number of cells cultivated and harvested each time. The device offers significant savings in terms of materials, labor costs and time required for repeated rounds of cultivations. It also avoids the risk of cell pollution when adding liquids, performing inoculation and cell harvesting. The device has been widely applied to large-graduation cell cultures and production of various biological products (such as vaccines, monoclonal antibodies, and virus packaging). It can be used for scientific research, laboratory graduation production and small/medium industrial production.

The JET BIOFIL CellFac® Multi-Layer cell culture system is produced in a class 100,000 clean room, with production quality managed in strict accordance with GMP standards. Safe and mature production techniques are used to ensure each process undergoes stringent validation. Based on third-party test results, all key indicators for finished products, such as extractable, biological compatibility and bio-safety, conform to Chinese Pharmacopoeia, ISO and USP standards. The sterility level reaches SAL 10<sup>-6</sup>. It is also hypoallergenic, nonhemolytic, non-pyrogenic and non-cytotoxic.

### Materials

- Bottle: Polystyrene (GPPS)
- Bottle Cap: High-density Polyethylene (HDPE)
- Filter Membrane: Polytetrafluoroethylene (PTFE)
- Conforming to USP CLASS VI



The cell culture system with 1-10 layers can be used for culturing a large number of cells in one time



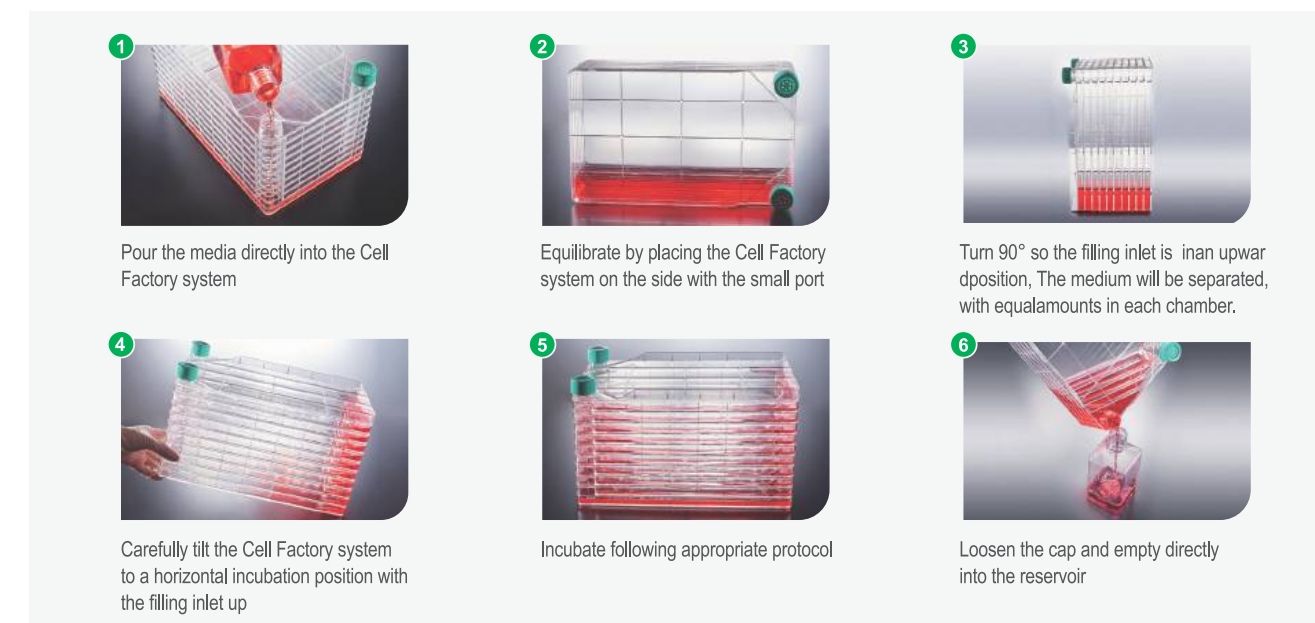
Hydrophobic vent cap, plug seal cap and conversion cap are available, which could satisfy different lab requirements

### Features

- The cell culture system is made of medical-grade high polymer materials and produced in a dedicated clean room conforming to GMP standards
- Suitable for batch proliferation culture of adherent cells. Different specifications are available to satisfy different lab demands
- Advanced ultrasonic welding techniques ensure high mechanical strength, while the absence of additive ingredients reduces the generation of unknown soluble substances and welding impurities
- Even, stable surface processes ensure an optimal culture environment for high-yield cell cultures
- 0.22 μm hydrophobic and ventilated vent cap ensures sterility and facilitates continuous gas exchange
- All channels within the cell culture system are large in size, enabling faster medium distribution and reducing the appearance of foams
- Accessories are easy to use, and include a plug seal cap, vent cap and adapter, facilitating operation and reducing costs
- Every system is printed with lot No. for quality traceability
- Sterilized by irradiation, SAL 10<sup>-6</sup>
- DNase/RNase free, non-pyrogenic, non-cytotoxic

Cat. No.	Type	Growth surface area (cm <sup>2</sup> )	Working volume (mL)	Sterile	Cap	Characteristic Descriptions	Qty Per. Bag/Case
UCF010001	1 layer	656	130-200	Y	Φ33mm vent cap, 0.22μm hydrophobic membrane	TC treated	1/8
UCF010002	2 layers	1296	260-400	Y			1/6
UCF010005	5 layers	3216	650-1000	Y			1/4
UCF010010	10 layers	6416	1300-2000	Y			1/2
UCF011001	1 layer	656	130-200	Y	Φ33mm vent cap, 0.22μm hydrophobic membrane	Non treated	1/8
UCF011002	2 layers	1296	260-400	Y			1/6
UCF011005	5 layers	3216	650-1000	Y			1/4
UCF011010	10 layers	6416	1300-2000	Y			1/2

### Guidelines For Use



Pour the media directly into the Cell Factory system



Equilibrate by placing the Cell Factory system on the side with the small port



Turn 90° so the filling inlet is in an upward position. The medium will be separated, with equal amounts in each chamber.



Carefully tilt the Cell Factory system to a horizontal incubation position with the filling inlet up




Incubate following appropriate protocol




Loosen the cap and empty directly into the reservoir

## Jet CellFac® Multi-Layer Cell Culture System Accessories




**Vent Cap**

Cat. No.	Description
UCF412002	Sterile, 1 per/bag, 10 per/case




**Sealing Cap**

Cat. No.	Description
UCF411002	Sterile, 1 per/bag, 10 per/case



**Large Hole Conversion Cover**

Cat. No.	Description
UCF413002	Conversion cove, filter connection cover, big mouth to small mouth, 1 per/bag, 10 per/case




**Small Hole Conversion Cover**

Cat. No.	Description
UCF414002	Conversion cover, filter connection cover. Connect to a hose with an inner diameter of 3 / 8 inch (9.5 mm), sterile, 10 pcs/bag, 10 pcs/carton




**Hose Clamp**

Cat. No.	Description
UCF418001	which can clamp hoses with an outer diameter of 12mm-18mm 1 per/bag, 10 per/case




**Adapter**

Cat. No.	Description
UCF415001	which can be connected with #17 hose and 30mm filter 1 per/bag, 10 per/case



**Hose**

Cat. No.	Description
UCF419001	3/8 inch (9.5mm) inner diameter and 5/8 inch (15.9mm) outer diameter



**Hose**

Cat. No.	Description
UCF420001	#17Hose




**Filter Combination Cover**

Cat. No.	Description
UCF416001	30mm, PTFE 0.22um filter, # 17 hose, small port conversion cover 1 set/bag, 1 bag/box




**Filter Combination Cover**

Cat. No.	Description
UCF417001	50mm, PTFE, 0.22 µm filter, 3 / 8 inch (9.5 mm) inner diameter hose, large mouth conversion cover, 1 set/bag, 1 pack/box



**Syringe Driven Filter**

Cat. No.	Description
PTF205030	30mm, PTFE 0.2um



**Syringe Driven Filter**

Cat. No.	Description
PTF225050	50mm, PTFE 0.2um

## Erlenmeyer Flasks

As the ideal choice for suspension cell culture, Erlenmeyer flasks are used in the screening of industrial microbial strains, large-scale proliferation tests, and seed cultures. They can also be used for media preparation, mixing, storage, and other purposes. They are more cost-efficient than culture bottles, dishes and spinner bottles.



### Materials

- Flask Body: Polycarbonate (PC)/Poly (ethylene terephthalate-co-1, 4-cyclohexylenedimethylene terephthalate) (PETG)
- Bottle Cap: High density polyethylene (HDPE)
- Cap Filter Membrane: Polytetrafluoroethylene (PTFE)
- Conforming to USP CLASS VI

### Features

- Even, transparent body features a clear and accurate graduation for volume observation.
- Flask neck is lengthened to hold easier. Liquid sticking-resistant design at the bottle neck enables easier pouring
- PC material supports autoclaved sterilization for one time(repeated autoclaved sterilization is not recommended; autoclaved sterilization must not be performed for the permeable cap)
- Every flask is printed with lot No. for quality traceability
- 0.22µm PTFE hydrophobic, permeable filter membrane cap ensures sterility and facilitates gas exchange
- PETG material may shrink under autoclaved sterilization to reduce biohazard residue
- Passed 100% online air tightness test to ensure no leakage occurs
- Sterilized by irradiation, SAL 10<sup>-6</sup>
- DNase/RNase free, non-pyrogenic, non-cytotoxic

### Erlenmeyer Flask with a Plain Bottom

Cat. No.	Specification (mL)	Material of Bottle Body	Cap Type	Sterile	Qty. Per Bag/Case
TAB101125	125	PETG	Plug Seal	Y	1/24
TAB102125	125	PETG	Vent	Y	1/24
TAB101250	250	PETG	Plug Seal	Y	1/12
TAB102250	250	PETG	Vent	Y	1/12
TAB101500	500	PETG	Plug Seal	Y	1/12
TAB102500	500	PETG	Vent	Y	1/12
TAB101000	1000	PETG	Plug Seal	Y	1/24
TAB102000	1000	PETG	Vent	Y	1/24
TAB001125	125	PC	Plug Seal	Y	1/24
TAB002125	125	PC	Vent	Y	1/24
TAB001250	250	PC	Plug Seal	Y	1/12
TAB002250	250	PC	Vent	Y	1/12
TAB001500	500	PC	Plug Seal	Y	1/12
TAB002500	500	PC	Vent	Y	1/12
TAB001000	1000	PC	Plug Seal	Y	1/24
TAB002000	1000	PC	Vent	Y	1/24



## Erlenmeyer Flask with a baffled Bottom

Cat. No.	Specification (mL)	Material of Bottle Body	Cap Type	Sterile	Qty. Per Bag/Case
TAB111125	125	PETG	Plug Seal	Y	1/24
TAB112125	125	PETG	Vent	Y	1/24
TAB111250	250	PETG	Plug Seal	Y	1/12
TAB112250	250	PETG	Vent	Y	1/12
TAB111500	500	PETG	Plug Seal	Y	1/12
TAB112500	500	PETG	Vent	Y	1/12
TAB111000	1000	PETG	Plug Seal	Y	1/24
TAB112000	1000	PETG	Vent	Y	1/24
TAB011125	125	PC	Plug Seal	Y	1/24
TAB012125	125	PC	Vent	Y	1/24
TAB011250	250	PC	Plug Seal	Y	1/12
TAB012250	250	PC	Vent	Y	1/12
TAB011500	500	PC	Plug Seal	Y	1/12
TAB012500	500	PC	Vent	Y	1/12
TAB011000	1000	PC	Plug Seal	Y	1/24
TAB012000	1000	PC	Vent	Y	1/24

## Features

- The flask body is made of polycarbonate (PC) material, provided with good transparency, strong impact resistance and high temperature resistance (up to 121 C ).
- Injection graduation with clear, accurate graduation markings, making it very easy to observe volume.
- Rounded neck design and frosting process, easy to grip; bottle mouth anti-hanging liquid design, easy to pour
- The unique drain neck design of the 5L Erlenmeyer flask prevents liquid splashing out when pouring.
- The bottom of the flask is flat, meaning it can be placed stably on a table concentrator to effectively reduce foaming.
- The 0.22µm PTFE hydrophobic vent cap enables continuous gas exchange and ensuring sterility.
- Guaranteed product quality thanks to strict sealing, falling, flatness and other tests.
- Every flask is printed lot No. for quality traceability
- Sterilized by irradiation, SAL 10<sup>-6</sup>
- DNase/RNase-free, non- pyrogenic and non-cytotoxic

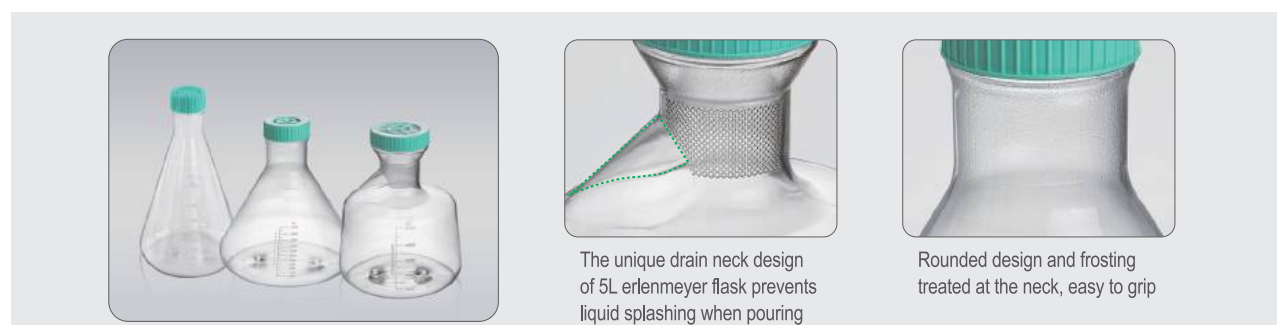
Cat. No.	Capacity	Material of Flask Body	Type of Cap	Sterile	Qty. Per Bag/Case
TAB001002	2L	PC	Plug Seal	Y	1/6
TAB002002	2L	PC	Vent	Y	1/6
TAB001003	3L	PC	Plug Seal	Y	1/4
TAB002003	3L	PC	Vent	Y	1/4
TAB001005	5L	PC	Plug Seal	Y	1/4
TAB002005	5L	PC	Vent	Y	1/4

## Large-capacity Erlenmeyer Flasks

Large-capacity erlenmeyer flasks are primarily used for large-scale expansion culture of suspension cells and bacteria, as well as for the preparation, storage and liquid transfer of culture media. Since large-capacity erlenmeyer flasks can greatly improve cell culture efficiency, they are widely used in cell biology, microbiology and other fields.

## Materials

- Flask Body: Polycarbonate (PC)
- Flask Cap: High density polyethylene (HDPE)
- Cap Filter Membrane: Polytetrafluoroethylene (PTFE)
- Conforming to USP CLASS VI

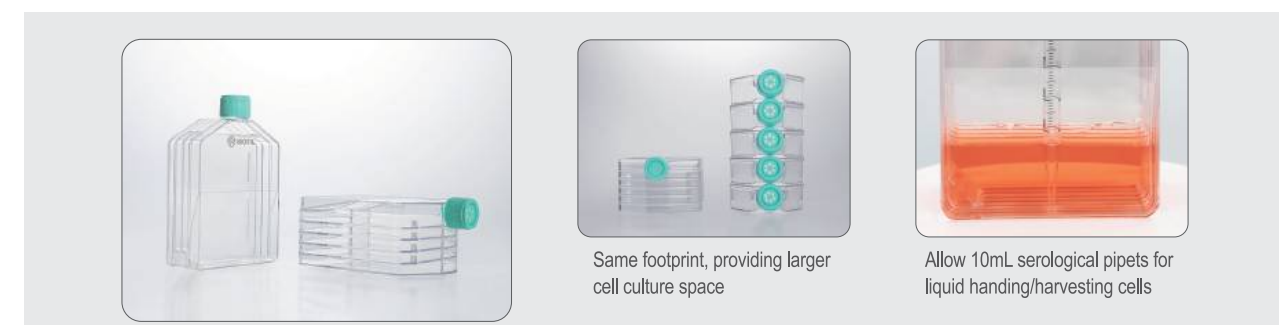


## Multi-layer Cell Culture Flasks

Multi-layer cell culture flasks 3-layers and 5-layers are available, which providing 525 cm<sup>2</sup> and 875 cm<sup>2</sup> cell growth surface area respectively, they are equivalent to 3 and 5 times the surface area of the T-175 culture flask. The higher-capacity design make cell culture faster, easier, and more efficient.

## Materials

- Flask Body: Polystyrene (GPPS)
- Flask Cap: High-density Polyethylene (HDPE)
- Filter Membrane: Polytetrafluoroethylene (PTFE)
- Conforming to USP CLASS VI



## Features

- The medium can be evenly distributed across each layer, providing a consistent culture environment for uniform cell growth
- Every flask is printed lot No. for quality traceability
- Cells and reagents can be mixed directly in the flask, with no leakage or splash between layers, saving time and reducing the risk of contamination
- Suitable for 10mL serological pipets to liquid aspiration / replenishment or cells harvesting directly in the flask
- The surface treatment of each layer is uniform and stable, effectively guaranteeing large-scale cell cultures
- Sterilized by irradiation, SAL 10<sup>-6</sup>
- DNase/RNase free, Non-pyrogenic, Non-cytotoxic

Cat. No.	Layer	Surface	Cell Growth Area (cm <sup>2</sup> )	Type of Cap	Sterile	Qty. Per Bag/Case
TCF011525	3	TC treated	525	Plug Seal	Y	2/12
TCF012525	3		525	Vent	Y	2/12
TCF011875	5		875	Plug Seal	Y	1/8
TCF012875	5		875	Vent	Y	1/8
CAF011525	3	CellIATTACH® treated	525	Plug Seal	Y	2/12
CAF012525	3		525	Vent	Y	2/12
CAF011875	5		875	Plug Seal	Y	1/8
CAF012875	5		875	Vent	Y	1/8

## Roller Bottles

Roller bottles are high-quality consumables that can meet the requirements of large-scale cell and tissue culture for experimental and industrial production. They are mainly used in laboratory cell research, and in the industrial production of biological products, including recombinant proteins, monoclonal antibodies, virus vaccines, and cell secretions.



## Materials

- Bottle Body: Polystyrene (GPPS)
- Bottle Cap: High-density Polyethylene (HDPE)
- Cap Filter Membrane: Polytetrafluoroethylene (PTFE)
- Conforming to USP CLASS VI.

## Features

- The medium can be evenly distributed across each layer, providing a consistent culture environment and ensuring uniform cell growth
- The surface treatment of each layer is uniform and stable, effectively guaranteeing large-graduation cell cultures
- Cells and reagents can be mixed directly in the bottle, with no leakage or splash between layers, saving time and reducing the risk of contamination
- Every bottle has been printed lot No. for quality traceability
- Sterilized by irradiation, SAL 10<sup>-6</sup>
- DNase/RNase free, non-pyrogenic, non-cytotoxic

## Roller Bottles, Non-treated

Cat. No.	Volume(mL)	Working Volume (mL)	Cap Style	Sterile	Qty. Per Bag/Case
TCB001001	1000	100-150	Plug seal	Y	1/24
TCB002001	1000	100-150	Vent	Y	1/24
TCB001002	2000	180-260	Plug seal	Y	1/12
TCB002002	2000	180-260	Vent	Y	1/12
TCB011002	2000	180-260	Easy grip plug seal	Y	1/12
TCB002102	2000	180-260	Easy grip vent	Y	1/12
TCB001005	5000	340-510	Plug seal	Y	1/12
TCB002005	5000	340-510	Vent	Y	1/12

## Roller Bottles, TC treated

Cat. No.	Volume(mL)	Appro. Cell Growth Area (cm <sup>2</sup> )	Working Volume (mL)	Cap Style	Sterile	Qty. Per Bag/Case
TCB011001	1000	490	100-150	Plug seal	Y	1/24
TCB012001	1000	490	100-150	Vent	Y	1/24
TCB011002	2000	850	180-260	Plug seal	Y	1/12
TCB012002	2000	850	180-260	Vent	Y	1/12
TCB011102	2000	850	180-260	Easy grip plug seal	Y	1/12
TCB012102	2000	850	180-260	Easy grip vent	Y	1/12
TCB011005	5000	1700	340-510	Plug seal	Y	1/12
TCB012005	5000	1700	340-510	Vent	Y	1/12

## Expanded Surface Roller Bottles, Non-treated

Cat. No.	Volume(mL)	Working Volume (mL)	Cap Style	Sterile	Qty. Per Bag/Case
TCB021002	2000	300-400	Plug seal	Y	1/12
TCB022002	2000	300-400	Vent	Y	1/12
TCB021005	5000	340-510	Plug seal	Y	1/12
TCB022005	5000	340-510	Vent	Y	1/12

## Expanded Surface Roller Bottles, TC treated

Cat. No.	Volume(mL)	Appro. Cell Growth Area (cm <sup>2</sup> )	Working Volume (mL)	Cap Style	Sterile	Qty. Per Bag/Case
TCB031002	2000	1900	300-400	Plug seal	Y	1/12
TCB032002	2000	1900	300-400	Vent	Y	1/12
TCB031102	2000	1900	300-400	Easy grip plug seal	Y	1/12
TCB032102	2000	1900	300-400	Easy grip vent	Y	1/12
TCB031005	5000	4250	340-510	Plug seal	Y	1/12
TCB032005	5000	4250	340-510	Vent	Y	1/12



## Liquid Handling and Storage



Liquid handling is an essential process that matters to results in both scientific experiments and industrial production. JET BIOFIL offers an extensive range of products for liquid handling and storage, including centrifuge tubes, pipettes, and tips. All these products are manufactured in Class 100,000 cleanrooms, using high-quality raw materials up to USP Class VI Standard. Rich in variety and specifications, they are compatible with a wide spectrum of products available on the market such as centrifuges, pipettors, and automated liquid-handling workstations. Non-pyrogenic and DNase/RNase-free, they are of superior quality and boast stable performance. You can choose your preferred products according to the volume of liquid to be handled and your needs in various experiments.

## Centrifuge Tubes

The 15mL and 50mL centrifuge tubes are made of PP material conforming to USP Class VI, which are suitable for laboratory centrifugation in various fields such as cell biology, immunology, microbiology and molecular biology, as well as for sample preparation and sample storage.

### Materials

- Tube Body: Polypropylene (PP)
- Tube Cap: High density polyethylene (HDPE)
- Conforming to USP CLASS VI



Flat cap, sealing cap

Large white writing area, convenient for recording experimental data

### Features

















- Easy-to-read black graduations and the accuracy is within  $\pm 2\%$
- Centrifuge tubes feature black printed graduations and a large white marking spot resistant alcohol wiping
- Maximum RCF: 12,000xg (Conical tube), RCF: 6,000xg (Self-standing tube)
- Working temperature range:  $-80^{\circ}\text{C} \sim 121^{\circ}\text{C}$
- Leak-proof
- Available in sterilized or non-sterilized, irradiation sterilized to SAL  $10^{-6}$
- DNase/RNase-free, non-pyrogenic

- ⚠ Warning: 1. Foam racks shall not be used for cryopreservation ( $-80^{\circ}\text{C} \sim -20^{\circ}\text{C}$ ) of centrifuge tubes.  
2. The cap shall be loosened during autoclaved sterilization

## Centrifuge Tubes with Flat Cap

	Cat. No.	Capacity(mL)	Bottom	Sterile	Maximum RCF(xg)	Package	Qty.Per Bag/Case
	CFT000150	15	Conical	N	12,000	Bulk	500
	CFT010150	15	Conical	N	12,000	Re-sealable Bag	50/500
	CFT011150	15	Conical	Y	12,000	Re-sealable Bag	25/500
	CFT021150	15	Conical	Y	12,000	Paper Rack	25/500
	CFT031150	15	Conical	Y	12,000	Plastic Rack	25/300
	CFT000500	50	Conical	N	12,000	Bulk	500
	CFT010500	50	Conical	N	12,000	Re-sealable Bag	50/500
	CFT011500	50	Conical	Y	12,000	Re-sealable Bag	25/500
	CFT021500	50	Conical	Y	12,000	Paper Rack	25/500
	CFT100500	50	Self-standing	N	6,000	Bulk	500
	CFT111500	50	Self-standing	Y	6,000	Re-sealable Bag	25/500
	CFT110500	50	Self-standing	N	6,000	Re-sealable Bag	50/500
	CFT031500	50	Conical	Y	12,000	Plastic Rack	25/300

## Centrifuge Tubes with Plug Seal Cap

	Cat. No.	Capacity(mL)	Bottom	Sterile	Maximum RCF(xg)	Package	Qty.Per Bag/Case
	CFT550150	15	Conical	N	12,000	Bulk	500
	CFT510150	15	Conical	N	12,000	Re-sealable Bag	50/500
	CFT511150	15	Conical	Y	12,000	Re-sealable Bag	25/500
	CFT521150	15	Conical	Y	12,000	Paper Rack	25/500
	CFT621150	15	Conical	Y	12,000	Plastic Rack	25/300
	CFT522150	15	Conical	Y	12,000	Paper Rack	25/500
	CFT622150	15	Conical	Y	12,000	Plastic Rack	25/300
	CFT500500	50	Conical	N	12,000	Bulk	500
	CFT510500	50	Conical	N	12,000	Re-sealable Bag	50/500
	CFT511500	50	Conical	Y	12,000	Re-sealable Bag	25/500
	CFT521500	50	Conical	Y	12,000	Paper Rack	25/500
	CFT621500	50	Conical	Y	12,000	Plastic Rack	25/300
	CFT660500	50	Self-standing	N	6,000	Bulk	500
	CFT610500	50	Self-standing	N	6,000	Re-sealable Bag	50/500
	CFT611500	50	Self-standing	Y	6,000	Re-sealable Bag	25/500
	CFT612500	50	Self-standing	Y	6,000	Re-sealable Bag	25/500

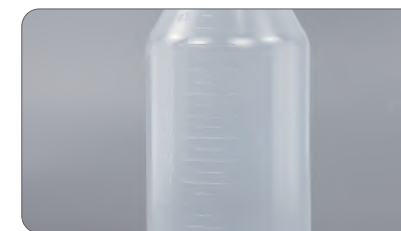
## Conical Centrifuge Bottles

The conical centrifuge bottles are economical laboratory consumables for large-capacity liquid centrifugation, and are suitable for large-scale cell harvesting, plasmid and protein purification, etc. These products can help researchers reduce centrifugation cycles and efficiency in experiments and production.



## Materials

- ◎ Tube Body: Polypropylene (PP)
- ◎ Tube Cap: High density polyethylene (HDPE)
- ◎ Conforming to USP CLASS VI



Designed with an engraved scale on the outer wall, clear and easy to observe



Conical



Screw seal cap ensures no leakage

## Features

- ◎ The bottle body is made of high-quality PP, resistant to high temperatures and high pressure, with smooth inner and outer surfaces and a uniform gloss.
- ◎ Designed with an engraved scale on the outer wall, easy to observe and calibrate, with an accuracy of  $\pm 2\%$
- ◎ 225mL/250mL max centrifugal force(RCF): 7,500xg, 500mL max centrifugal force RCF: 6,000xg
- ◎ The screw-sealed cap has undergone strict online sealing performance tests to ensure zero leakage
- ◎ Recommended liquid feeding volume: 80% of max gradation volume
- ◎ Working temperature range:  $-80^{\circ}\text{C}\sim 121^{\circ}\text{C}$
- ◎ Irradiation sterilization, SAL  $10^{-6}$
- ◎ DNase/RNase-free, non-pyrogenic

Cat. No.	Capacity(mL)	Maximum RCF(xg)	Size	Bottom	Sterile	Qty.Per Bag/Case
CFT012225	225	7,500g	61mm*137mm	Conical	Y	6/48
CFT012250	250	7,500g	61mm*161mm	Conical	Y	6/48
CFT013500	500	6,000g	95mm*155mm	Conical	Y	6/36
CFT041500	500	6,000g	95mm*147mm	Conical	Y	6/36



## Ultra High-Performance Centrifuge Tubes

The ultra high-performance centrifuge tubes are widely used in various experimental procedures, meeting the requirements of biological experiments. They comply with ROHS standards, TSE/BSE risk statements, and do not contain latex components. The tubes are designed with a unique dual-color cap for better sealing. The tube body can withstand -90Kpa negative pressure and a 20,000xg centrifugal force.



- ◎ Specification: 15mL 50mL
- ◎ Cap Type: Dual-color cap(inject O-Ring)
- ◎ Bottom Type: Conical Self-standing
- ◎ Packaging: Re-sealable Bag Paper Rack
- ◎ Tube Body: Polypropylene (PP)
- ◎ Tube Cap: High density polyethylene(HDPE)
- ◎ Conforming to USP CLASS VI

Cat. No.	Capacity(mL)	Bottom	Sterile	Maximum RCF(xg)	Package	Qty.Per Bag/Case
CFT920150	15	Conical	Y	20,000	Paper rack	50/500
CFT921150	15	Conical	Y	20,000	Re-sealable bag	25/500
CFT925150	15	Conical	N	20,000	Re-sealable bag	50/500
CFT920500	50	Conical	Y	20,000	Paper rack	25/500
CFT921500	50	Conical	Y	20,000	Re-sealable bag	25/500
CFT925500	50	Conical	N	20,000	Re-sealable bag	50/500
CFT926500	50	Self-standing	Y	10,000	Re-sealable bag	50/500
CFT927500	50	Self-standing	N	10,000	Re-sealable bag	50/500

## Light Sensitive Centrifuge Tubes

The 15mL and 50mL light sensitive centrifuge tubes are made of PP material conforming to USP CLASS VI standard and can block 100% of UV rays. They are designed for light-proof storage or centrifugation of light-sensitive samples.



- ◎ Specification:15mL 50mL
- ◎ Cap Type: Plug seal
- ◎ Bottom Type: Conical
- ◎ Packaging: Re-sealable Bag Paper Rack
- ◎ Tube Body: Polypropylene (PP) Tube Cap: High density polyethylene (HDPE)
- ◎ Conforming to USP CLASS VI

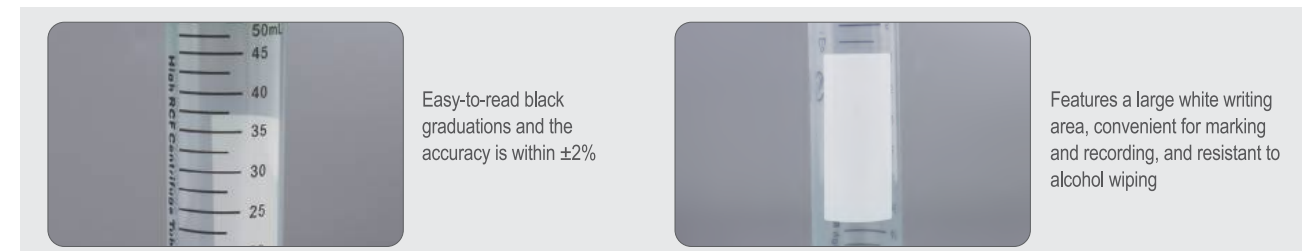
Cat. No.	Capacity(mL)	Bottom	Sterile	Maximum RCF(xg)	Package	Qty.Per Bag/Case
CFT710150	15	Conical	N	12,500	Re-sealable Bag	50/500
CFT711150	15	Conical	Y	12,500	Re-sealable bag	25/500
CFT712150	15	Conical	Y	12,500	Paper Rack	25/500
CFT710500	50	Conical	N	12,500	Re-sealable Bag	50/500
CFT711500	50	Conical	Y	12,500	Re-sealable bag	25/500
CFT712500	50	Conical	Y	12,500	Paper Rack	25/500

## High-RCF Centrifuge Tubes

The high-RCF centrifuge tubes are made of transparent polymer polypropylene (PP) material with a centrifugal force reaching 21000xg. The products can be widely used in a variety of experimental operations, and can meet the requirements of biological experiments while preventing rupture and leakage during high-speed centrifugation.



- ◎ Specification: 15mL 50mL
- ◎ Cap Type: Two-color cap (with rubber ring inside)
- ◎ Bottom Type: Conical
- ◎ Packaging: Re-sealable Bag Paper Rack
- ◎ Tube Body: Polypropylene (PP)
- ◎ Tube Cap: High density polyethylene(HDPE)
- ◎ Conforming to USP CLASS VI



Easy-to-read black graduations and the accuracy is within  $\pm 2\%$

Features a large white writing area, convenient for marking and recording, and resistant to alcohol wiping

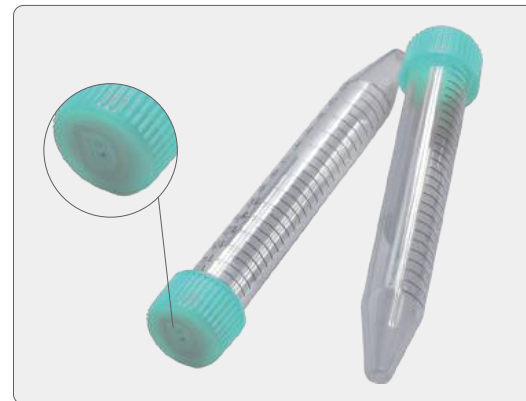
- ⚠ Warning: 1. Foam racks shall not be used for cryopreservation (-20°C ~ -80°C) of centrifuge tubes.  
2. The cap shall be loosened during autoclaved sterilization.

Cat. No.	Capacity(mL)	Bottom	Sterile	Maximum RCF(xg)	Package	Qty.Per Bag/Case
CFT312150	15	Conical	Y	21,000	Re-sealable Bag	25/500
CFT322150	15	Conical	Y	21,000	Paper Rack	25/500
CFT312500	50	Conical	Y	21,000	Re-sealable Bag	25/500
CFT322500	50	Conical	Y	21,000	Paper Rack	25/500

## 15ml Centrifuge Tubes with Puncture Hole

These products are made of high-quality transparent polymer polypropylene (PP); the cap features a butyl rubber stopper for connecting to a syringe.

- Specification: 15mL
- Bottom Type: Conical
- Tube Body: Polypropylene (PP)
- Tube Cap: High density polyethylene(HDPE)
- Conforming to USP CLASS VI



Cat. No.	Volume (mL)	Bottom	Sterile	Max Rotate Speed(xg)	Description	Package	Qty.Per Bag/Case
CFT312150	15	Conical	Y	21,000	Cap: 100/500 Tube: 25/500	Re-sealable Bag	25/500

## Metal-Free Centrifuge Tubes

The metal-free centrifuge tubes are made of transparent polypropylene (PP) material. Under a special treatment process, the products can ensure that more than 30 kinds of trace metal elements that could interfere with the experiment are kept at levels of less than 1ppb (ICP-MS method). This is ideal applications for a variety of environmental testing such as water analysis, and other applications where samples may be contaminated by heavy metals in centrifuge tubes.



- Specification: 15mL 50mL
- Cap Type: Flat
- Bottom Type: Conical
- Packaging: Re-sealable Bag Paper Rack
- Tube Body: Polypropylene (PP)
- Tube Cap: High density polyethylene(HDPE)
- Conforming to USP CLASS VI

Cat. No.	Capacity(mL)	Bottom	Sterile	Maximum RCF(xg)	Package	Qty.Per Bag/Case
CFT450150	15	Conical	Y	12,500	Re-sealable Bag	25/500
CFT451150	15	Conical	Y	12,500	Paper Rack	50/500
CFT450500	50	Conical	Y	12,500	Re-sealable Bag	25/500
CFT451500	50	Conical	Y	12,500	Paper Rack	25/500

## EasyFlip™ Centrifuge Tubes

These products are primarily used for the storage, operation and centrifugation of mid-volume samples. They are easy to flip, and can be operated with one hand.

- Specification: 15mL 50mL
- Bottom Type: Conical
- Packaging: Re-sealable Bag Paper Rack
- Tube Body: Polypropylene (PP)
- Tube Cap: High density polyethylene (HDPE)
- Conforming to USP CLASS VI

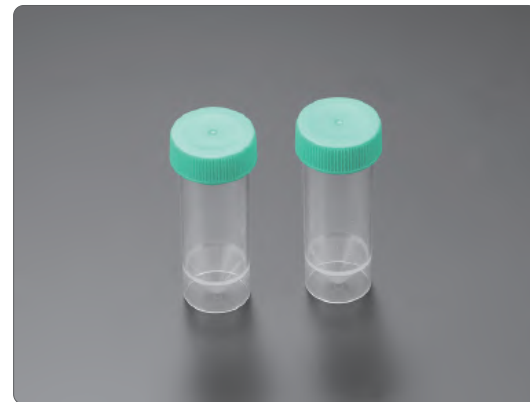


Cat. No.	Capacity(mL)	Bottom	Sterile	Maximum RCF(xg)	Package	Qty.Per Bag/Case
CFT201150	15	Conical	N	9,400	Bulk	500
CFT211150	15	Conical	Y	9,400	Re-sealable Bag	25/500
CFT221150	15	Conical	Y	9,400	Paper Rack	50/500
CFT212150	15	Conical	Y	9,400	Re-sealable Bag	25/500
CFT222150	15	Conical	Y	9,400	Paper Rack	50/500
CFT201500	50	Conical	N	9,400	Bulk	500
CFT211500	50	Conical	Y	9,400	Re-sealable Bag	25/500
CFT221500	50	Conical	Y	9,400	Paper Rack	50/500
CFT212500	50	Conical	Y	9,400	Re-sealable Bag	25/500
CFT222500	50	Conical	Y	9,400	Paper Rack	25/500

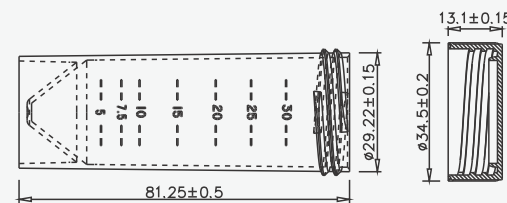
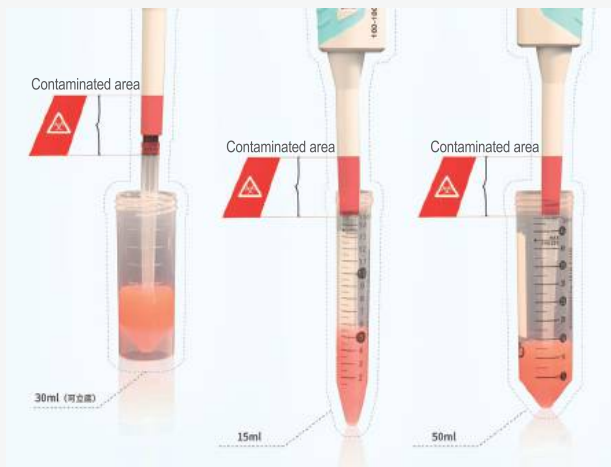


## 30mL Self-Standing Centrifuge Tubes

The 30mL self-standing centrifuge tubes are suitable for storage, operation and centrifugation of mid-volume samples. The products have the same diameter as the 50mL centrifuge tube, but with a lower height. This reduces the risk of sample contamination and fills the gap between traditional 15mL and 50mL centrifuge tubes.



- Specification: 30mL
- Cap Type: Flat
- Bottom Type: Self-standing
- Packaging: Re-sealable Bag
- Tube Body: Polypropylene (PP)
- Tube Cap: High density polyethylene (HDPE)
- Conforming to USP CLASS VI



Lower height for easy sample transfer via micropipettes and tips, reducing the risk of cross-contamination within pipettes and centrifuge tubes.

Cat. No.	Capacity(mL)	Bottom	Sterile	Maximum RCF(xg)	Package	Qty./Per Bag/Case
CFT001030	30	Self-standing	Y	7,500	Re-sealable Bag	50/500
CFT011030	30	Self-standing	N	7,500	Re-sealable Bag	50/500
CFT000030	30	Self-standing	N	7,500	Re-sealable Bag	500/500

## Plastic Centrifuge Tube Racks

Plastic centrifuge tube racks can save more laboratory space and are convenient to use. These products are an ideal tool for the handling and long-term (or short-term) storage of samples.

- Specification: 15mL 50mL
- Polypropylene (PP)
- Conforming to USP CLASS VI



With numerical markings



Can be placed overlapping



Suitable for 15mL centrifuge tubes



Suitable for 50mL centrifuge tubes

### Features

- Surface with markings easy to identify and convenient for experimental recording
- Stackable to save space
- Working temperature range: -80°C~121°C
- Can be cleansed for re-use
- Sterilized and non-sterilized versions are available. Irradiation sterilization, SAL 10<sup>-6</sup>
- DNase/RNase-free, non-pyrogenic

Cat. No.	Volume (mL)	Sterile	Color	Package	Qty./Per Bag/Case
CFR001015	15	N	Light green	Re-sealable bag	5/50
CFR011015	15	Y	Light green	Re-sealable Bag	5/50
CFR002015	15	N	Dark green	Re-sealable Bag	5/50
CFR012015	15	Y	Dark green	Re-sealable bag	5/50
CFR003015	15	N	White	Re-sealable bag	5/50
CFR013015	15	Y	White	Re-sealable bag	5/50
CFR004015	15	N	Blue	Re-sealable bag	5/50
CFR014015	15	Y	Blue	Re-sealable bag	5/50
CFR001050	50	N	Light green	Re-sealable Bag	5/50
CFR011050	50	Y	Light green	Re-sealable Bag	5/50
CFR002050	50	N	Dark green	Re-sealable bag	5/50
CFR012050	50	Y	Dark green	Re-sealable bag	5/50
CFR003050	50	N	White	Re-sealable bag	5/50
CFR013050	50	Y	White	Re-sealable Bag	5/50
CFR004050	50	N	Blue	Re-sealable Bag	5/50
CFR014050	50	Y	Blue	Re-sealable Bag	5/50

## Centrifuge Tube Stands

Centrifuge tube stands are suitable for 2.0mL, 15mL and 50mL conical-bottom centrifuge tubes. These products can be used in combination with conical centrifuge tubes in the laboratory.

- Polypropylene (PP)
- Conforming to USP CLASS VI



### Features

- The hole position is designed both for 2.0mL standard micro centrifuge tubes and for 15mL and 50mL conical centrifuge tubes.
- The multi-hole design of the tube stand ensures it can accommodate three 2.0mL micro centrifuge tubes, three 15mL centrifuge tubes and one 50mL centrifuge tube.
- Can be cleansed for re-use
- The product is designed in the shape of a round table, making it extremely stable
- Working temperature range: -80°C~121°C
- Sterilized and non-sterilized versions are available. Irradiation sterilization, SAL 10<sup>-6</sup>
- DNase/RNase-free, non-pyrogenic

Cat. No.	Sterile	Qty,Per Bag/Case
CTS001001	N	1/50
CTS002001	Y	1/50
CTS001002	N	5/50
CTS002002	Y	5/50

## Serum & Sample Tubes

The serum & sample tubes are made of transparent polypropylene (PP), and have excellent chemical stability and air tightness, making them suitable for the preservation and cryopreservation of serum, cells and tissues.

- Bottom Type: Conical Self-standing
- Tube Cap: High density polyethylene (HDPE)
- Tube Body: Polypropylene (PP)
- Conforming to USP CLASS VI



### Features

- 6 specifications available: 0.5 mL, 1.5 mL, 2.0 mL, 5.0 mL, 15.0 mL, 50.0 mL
- The tube is made of PP, uniform, transparent, and resistant to ultra-low temperature.
- Tube body is designed with both graduation and writing area to facilitate recognition, observation and labeling
- Silica gel plug seal washer inside the plug seal cap to prevent liquid leakage
- Sterilized and non-sterilized versions are available. Irradiation sterilization, SAL 10<sup>-6</sup>
- DNase/RNase free, non-pyrogenic



Cat. No.	Capacity (mL)	Bottom	Sterile	Qty.Per Bag/Case
SST000005	0.5	Self-standing	N	50/5000
SST001005	0.5	Self-standing	Y	50/5000
SST001015	1.5	Self-standing	Y	50/5000
SST000015	1.5	Self-standing	N	50/5000
SST001020	2.0	Self-standing	Y	20/5000
SST000020	2.0	Self-standing	N	20/5000
SST001050	5.0	Self-standing	Y	20/2500
SST000050	5.0	Self-standing	N	20/2500
SST001150	15.0	Conical	Y	25/500
SST000150	15.0	Conical	N	50/500
SST001500	50.0	Self-standing	Y	25/500
SST000500	50.0	Self-standing	N	25/500

## Plastic Pasteur Pipets

Plastic pasteur pipets are suitable for quick pipetting or transfer of liquids of non-fixed amounts.

- ◎ Specification: 145mm 230mm
- ◎ Packaging: Individual package(paper/plastic) Bulk
- ◎ Polystyrene (GPPS)
- ◎ Conforming to USP CLASS VI



### Features

- ◎ Two specifications are available: 145mm and 230mm
- ◎ Slender tube tip, easy for removing liquids from narrow-mouthed or small containers
- ◎ Transparent and scale-free for easy observation
- ◎ Irradiation sterilization, SAL 10<sup>-6</sup>
- ◎ DNase/RNase-free, non-pyrogenic

Cat. No.	Length(mm)	Material	Sterile	Package	Qty.Per Bag/Case
PP000145	145	PS	Y	Individual	50/200
PP010145	145	PS	Y	Bulk	25/200
PP000230	230	PS	Y	Individual	50/200
PP010230	230	PS	Y	Bulk	25/200

## Serological Pipets

Serological pipets are mainly used to measure or transfer a certain volume of liquid. When used with a suitable pipette, they have wide applications in the fields of cell culture, bacteriology, as well as clinical and scientific research. The JET BIOFIL serological pipets, in addition to having a pipet body with different precision graduation marks, also feature pipet heads that are marked with different capacity specifications and different color codes; convenient for identification and use. The head of the pipet features a filter plug that can prevent cross-contamination when aspirating samples, and the products are compatible with various common pipettors thanks to its optimized pipet head design.

### Materials

- ◎ Pipet Body: Polystyrene (GPPS)
- ◎ Pipet Filter : Polyolefin (PO)
- ◎ Conforming to USP CLASS VI



The pipet head is marked with different color code, making the pipet range and model easy to identify



Designed with dual graduation markings, ensuring the pipet volume can be easily identified



Ultrasonic welding process and drawing pipet process are available



The filter element, made of PO material, can prevent aerosols or liquids from contaminating the pipetting device

## Features

- Various capacities and specifications are available
- The pipet head is marked with different color codes, for easy identification of the pipet range and model
- Designed with a dual graduation to facilitate the identification of pipetting volumes. Negative gradations enhance pipet capacity and satisfy larger volume requirements
- The graduation is clear and precise, up to an accuracy of  $\pm 2\%$  of the total volume
- Each specification pipet is equipped with a filter element, which can prevent the sample, as well as any aerosol or water vapor, from entering the pipette; it also prevents impurities in the pipette from contaminating the sample, and prevents cross-contamination
- 1.0, 2.0, 5.0 and 10.0mL are stretched, while 10.0, 25.0, 50.0 and 100mL pipets are ultrasonically welded at tip and mouth-piece
- The optimized pipet head is compatible with most kinds of pipettor with adapter tips available on the market.
- A variety of packaging methods are available: paper-plastic or plastic-plastic, which can be torn or opened for easy operation, bulk package is easy to use in batches and reduces packaging waste
- Individually blister packed in peel-to-open paper/plastic and plastic/plastic wrap with printed lot No. for quality traceability
- Sterilized and non-sterilized versions are available, sterilized by irradiation to SAL  $10^{-6}$
- DNase/RNase free, non-pyrogenic

### Bulk Vacuum Package

Cat. No.	Volume(mL)	Graduation(mL)	Length (mm)	Color Code	Sterile	Qty./Per Bag/Case
GSP012001	1	1/100	268.5	■	Y	25/1000
GSP012002	2	1/50	272.0	■	Y	25/1000
GSP012005	5	1/10	341.0	■	Y	25/500
GSP012010	10	1/10	346.3	■	Y	25/400
GSP012110	10, Wide Mouth	1/10	346.3	■	Y	25/400
GSP112010	10, Stretch	1/10	303.4	■	Y	25/400
GSP012025	25	2/10	308.5	■	Y	10/150
GSP012125	25, Long	2/10	338.9	■	Y	10/150
GSP012050	50	5/10	346.6	■	Y	10/100
GSP012100	100	1	346.8	■	Y	10/60
GSP011001	1	1/100	268.5	■	N	25/1000
GSP011002	2	1/50	272.0	■	N	25/1000
GSP011102	2	1/100	272.0	■	N	25/1000
GSP011005	5	1/10	341.0	■	N	25/500
GSP011010	10	1/10	346.3	■	N	25/400
GSP011110	10, Wide Mouth	1/10	346.3	■	N	25/400
GSP111010	10, Stretch	1/10	303.4	■	N	25/400
GSP011025	25	2/10	308.5	■	N	10/150
GSP011125	25, Long	2/10	338.9	■	N	10/150
GSP011050	50	5/10	346.6	■	N	10/100
GSP011100	100	1	346.8	■	N	10/60

### Serological Pipets Individually Package(paper/plastic)

Cat. No.	Volume(mL)	Graduation(mL)	Length (mm)	Color Code	Sterile	Qty./Per Bag/Case
GSP010001	1	1/100	268.5	■	Y	500
GSP010002	2	1/50	272.0	■	Y	500
GSP010102	2	1/100	272.0	■	Y	500
GSP010005	5	1/10	341.0	■	Y	200
GSP010010	10	1/10	346.3	■	Y	200
GSP010110	10, Wide Mouth	1/10	346.3	■	Y	200
GSP211010	10, Stretch	1/10	303.4	■	Y	200
GSP010025	25	2/10	303.4	■	Y	150
GSP010125	25, Long	2/10	338.9	■	Y	150
GSP010050	50	5/10	346.6	■	Y	100
GSP010100	100	1	346.8	■	Y	50

### Serological Pipets Individually Package(plastic/plastic)

Cat. No.	Volume(mL)	Graduation(mL)	Length (mm)	Color Code	Sterile	Qty./Per Bag/Case
GSP020001	1	1/100	268.5	■	Y	500
GSP020002	2	1/50	272.0	■	Y	500
GSP020102	2	1/100	272.0	■	Y	500
GSP020005	5	1/10	341.0	■	Y	200
GSP010105	5, Wide Mouth	1/10	341.0	■	Y	200
GSP020010	10	1/10	346.3	■	Y	200
GSP020110	10, Wide Mouth	1/10	346.3	■	Y	200
GSP021010	10, Stretch	1/10	303.4	■	Y	200
GSP020025	25	2/10	308.5	■	Y	150
GSP020125	25, Long	2/10	338.9	■	Y	150
GSP020050	50	5/10	346.6	■	Y	100
GSP020100	100	1	346.8	■	Y	50



## Serological Pipets Individually Vacuum Package in Bag (paper/plastic)

Cat. No.	Volume(mL)	Graduation(mL)	Length (mm)	Color Code	Sterile	Qty.Per Bag/Case
GSP110001	1	1/100	268.5	●	Y	100/600
GSP110002	2	1/50	272.0	●	Y	100/500
GSP110102	2	1/100	272.0	●	Y	100/500
GSP110005	5	1/10	341.0	●	Y	50/200
GSP110010	10	1/10	346.3	●	Y	50/200
GSP110010	10, Wide Mouth	1/10	346.3	●	Y	50/200
GSP210010	10, Stretch	1/10	303.4	●	Y	50/200
GSP110025	25	2/10	308.5	●	Y	50/150
GSP110125	25, Long	2/10	338.9	●	Y	50/150
GSP110050	50	5/10	346.6	●	Y	30/90
GSP110100	100	1	346.8	●	Y	10/50

## Serological Pipets Individually Vacuum Package in Bag (plastic/plastic)

Cat. No.	Volume(mL)	Graduation(mL)	Length (mm)	Color Code	Sterile	Qty.Per Bag/Case
GSP120001	1	1/100	268.5	●	Y	100/600
GSP120001	2	1/50	272.0	●	Y	100/500
GSP120001	2	1/10	341.0	●	Y	100/500
GSP120005	5	1/10	346.3	●	Y	50/200
GSP120010	10	1/10	346.3	●	Y	50/200
GSP120110	10, Wide Mouth	1/10	303.4	●	Y	50/200
GSP120025	25	2/10	308.5	●	Y	50/150
GSP120125	25, Long	2/10	338.9	●	Y	50/150
GSP120050	50	5/10	346.6	●	Y	50/150
GSP120100	100	1	346.8	●	Y	10/50

## Open End Pipets

The open end pipets are suitable for the rapid suction of a certain volume of liquid during experiments, and are also able to suck up larger tissue blocks. They are widely used in such fields as tissue culture, and in clinical and scientific research.

- Specifications: 1.0mL 2.0mL 5.0mL 10.0mL
- Packaging: Individual Package(Paper/Plastic) Bulk  
Individual Package in Bag(Paper/Plastic) Bulk
- Pipet Body: Polystyrene (GPPS)
- Pipet Filter: Polyolefin (PO)
- Conforming to USP CLASS VI



Features a wide orifice for fast fluid suction or for suction and transfer of larger tissue pieces



Each specification pipet is equipped with a filter element, which can prevent the sample, as well as aerosol or water vapor, from entering the pipet, prevent impurities in the pipet from contaminating the sample, and prevent cross-contamination

## Serological Pipets Bulk Vacuum Package

Cat. No.	Volume(mL)	Graduation(mL)	Color Code	Material	Sterile	Package	Qty.Per Bag/Case
GSP312005	5	1/10	●	PS	Y	Paper/Plastic	25/500
GSP312010	10	1/10	●	PS	Y	Paper/Plastic	25/500

## Serological Pipets Individually Package(Paper/Plastic)

Cat. No.	Volume(mL)	Graduation(mL)	Color Code	Material	Sterile	Package	Qty.Per Bag/Case
GSP310001	1	1/100	●	PS	Y	Paper/Plastic	500
GSP310001	2	1/50	●	PS	Y	Paper/Plastic	500
GSP310005	5	1/10	●	PS	Y	Paper/Plastic	500
GSP310010	10	1/10	●	PS	Y	Paper/Plastic	200

## Serological Pipets Individually Vacuum Package in Bag(Paper/Plastic)

Cat. No.	Volume(mL)	Graduation(mL)	Color Code	Material	Sterile	Package	Qty.Per Bag/Case
GSP311005	5	1/10	●	PS	Y	Paper/Plastic	50/200
GSP311010	10	1/10	●	PS	Y	Paper/Plastic	50/200

## Mini™ Serological Pipets

Mini™ serological pipets are about half of the length of a standard pipet, ergonomically designed for greater convenience when measuring and transferring liquids, and especially suitable for liquid handling operations in limited and narrow spaces, such as under laminar hoods, etc.

- ◎ Specifications: 5.0mL 10.0mL 25.0mL
- ◎ Packaging: Individual package(Paper/Plastic)
- ◎ Pipet Body: Polystyrene (GPPS)



- ◎ Pipet Filter: Polyolefin (PO)
- ◎ Conforming to USP CLASS VI

Cat. No.	Capacity (mL)	Graduation(mL)	Color Code	Sterile	Package	Qty. Per Box/Case
GSP010205	5	1/10	■	Y	Paper/Plastic	1/200
GSP010205	10	2/10	■	Y	Paper/Plastic	1/150
GSP010225	25	5/10	■	Y	Paper/Plastic	1/100

## Aspirating Pipets

Aspirating pipets, transparent and graduation-free, are easy to observe during liquid suction. Filter-free design satisfies customer demands for continuous extraction of waste liquid.

- ◎ Specifications:1.0mL 2.0mL 5.0mL 10.0mL  
25.0mL 50.0mL 100.0mL
- ◎ Packaging: Individual Package(Paper/Plastic)  
Individual Package(Plastic/Plastic) Bulk
- ◎ Polypropylene (GPPS)
- ◎ Conforming to USP CLASS VI



### Aspirating Pipets Bulk Package

Cat. No.	Volume (mL)	Sterile	Qty. Per Bag/Case
GSP000001	1.0	Y	25/1000
GSP000002	2.0	Y	25/1000
GSP000005	5.0	Y	25/400
GSP000010	10.0	Y	25/400
GSP000025	25.0	Y	10/150
GSP000050	50.0	Y	10/100
GSP000100	100.0	Y	10/60
GSP001001	1.0	N	25/1000
GSP001002	2.0	N	25/1000
GSP001005	5.0	N	25/400
GSP001010	10.0	N	25/400
GSP001025	25.0	N	10/150
GSP001050	50.0	N	10/100
GSP001100	100.0	N	10/60

### Aspirating Pipets Stretch Individually Package (plastic/plastic)

Cat. No.	Volume (mL)	Sterile	Qty. Per Bag/Case
GSP002010	10.0	Y	25/400
GSP003010	10.0	N	25/400
GSP003010	10.0	Y	200
GSP201010	10.0	Y	50/200

## Milk Pipets

Suitable for the aspiration and transfer of micro-quantity liquids.

- ◎ Specification: 1.1mL 2.2mL
- ◎ Packaging: Individual Package(Paper/Plastic) Bulk
- ◎ Polypropylene (GPPS)
- ◎ Conforming to USP CLASS VI

### Aspirating Pipets Individually Package(paper/plastic)

Cat. No.	Volume (mL)	Sterile	Qty. Per Bag/Case
GSP100001	1.0	Y	1/500
GSP100002	2.0	Y	1/500
GSP100005	5.0	Y	1/200
GSP100010	10.0	Y	1/200
GSP100025	25.0	Y	1/150
GSP100050	50.0	Y	1/150
GSP100100	100.0	Y	1/50

### Aspirating Pipets Individually Package in bag (paper/plastic)

Cat. No.	Volume (mL)	Sterile	Qty. Per Bag/Case
GSP200001	1.0	Y	100/600
GSP200002	2.0	Y	100/500
GSP200005	5.0	Y	50/200
GSP200010	10.0	Y	50/200
GSP200010	25.0	Y	50/150
GSP200050	50.0	Y	30/90
GSP200100	100.0	Y	10/50





## Serological Pipets Individually Package(paper/plastic)

Cat. No.	Volume(mL)	Graduation(mL)	Color Code	Sterile	Package	Qty. Per Bag/Case
GSP010011	1.1	1/100	■	Y	Paper/Plastic	25/1000
GSP020011	1.1	1/50	■	Y	Paper/Plastic	50/500
GSP020011	2.2	1/50	■	Y	Paper/Plastic	50/400

## Serological Pipets Bulk Vacuum Package

Cat. No.	Volume(mL)	Graduation(mL)	Color Code	Sterile	Package	Qty. Per Case
GSP011011	1.1	1/100	■	Y	Paper/Plastic	1000
GSP021011	1.1	1/50	■	Y	Paper/Plastic	250
GSP011022	2.2	1/10	■	Y	Paper/Plastic	250

## Disposable Sampling Tubes

Disposable sampling tubes offered by JET BIOFIL are made of high-quality polymer polypropylene (PP) material, with 3 sizes (5mL, 10mL and 30mL) available. They are widely used for the collection, storage and coronavirus, avian influenza virus, HPV, hand and foot and mouth virus, and other infectious diseases by such authorities and departments as centers for disease control and prevention and hospitals.

- Tube Body: Polypropylene (PP),
- Tube Cap: High density polyethylene (HDPE)
- Conforming to USP CLASS VI

## Features

- Conical bottom design is easy to pour and reduces residue
- Spiral seal, featuring a unique structural design and manufacturing process, prevents liquid leakage

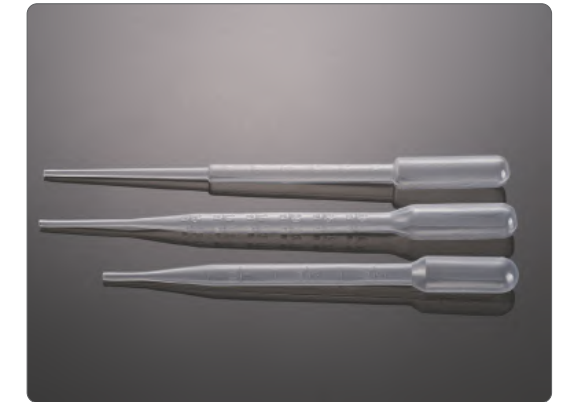
Cat. No.	Volume (mL)	Bottom	Cap Color	Sterile	Qty.Per Bag/Case
CYT001005	5.0	Self-standing	■	N	Tube: 2500/bag Cap: 2500/bag
CYT001010	10.0	Self-standing	■	N	Tube: 1000/bag Cap: 1000/bag
CYT001030	30.0	Self-standing	■	N	Tube: 700/bag Cap: 1000/bag
CYT002030	30.0	Self-standing	■	N	



## Transfer Pipets

Transfer pipets are often used in cell experiments, clinical experiments, cloning experiments and other operations for absorbing, transferring or carrying small amounts of liquid.

- Specifications: 0.2mL 1.0mL 3.0mL
- Packaging: Box Bulk
- Polyethylene (PE)
- Conforming to USP CLASS VI



The orifice can be heat-sealed for easy carrying of liquids



The pipet body is slender and flexible, and can be bent for easy access to micro-quantity and special containers

## Features

- Various capacities and specifications are available
- The pipet body is translucent, bright white, with good fluidity of the pipet wall, ensuring strong controllability
- Can be used in liquid nitrogen environments
- The pipet body is slender and flexible, and can be bent for easy access to micro and special containers
- Small tip ensures repeatability of drop volume
- The pipet head can be heat-sealed for easy carrying of liquids
- Every pipet has printed lot No. for quality traceability
- Available in sterilized or non-sterilized, irradiation sterilized to SAL 10<sup>-6</sup>
- DNase/RNase-free, non-pyrogenic

## Bulk Package

Cat. No.	Capacity(mL)	Length(mm)	Sterile	Qty.Per Bag/Case
PP000002	0.2	68	N	100/10000
PP000010	1.0	150	N	100/5000
PP102010	1.0	150	Y	20/4000
PP000030	3.0, Long	155	N	100/5000
PP003030	3.0	180	N	100/5000
PP001002	0.2	68	Y	100/10000
PP001010	0.2	150	Y	100/5000
PP001030	3.0, Long	155	Y	100/5000
PP001030	3.0	180	Y	100/5000

## Individually Package

Cat. No.	Capacity(mL)	Length(mm)	Sterile	Qty.Per Bag/Case
PP101002	0.2	68	Y	1/5000
PP101010	1.0	150	Y	1/4000
PP101030	3.0	155	Y	1/4000
PP102030	3.0	180	Y	1/4000
PP102030	3.0	180	Y	1/4000

## Individually Wrapped In Box

Cat. No.	Capacity(mL)	Length(mm)	Sterile	Qty.Per Bag/Case
PP201010	1.0	150	Y	1/2000
PP205010	1.0	150	Y	1/2000
PP200010	1.0	150	N	200/2000
PP200030	3.0	155	N	200/2000
PP201030	3.0	155	Y	1/2000
PP205030	3.0, Long	180	Y	1/2000
PP202030	3.0, Long	155	N	200/2000
PP203030	3.0	180	N	200/2000
PP303030	3.0, Long	180	N	200/2000

## Square Media Bottles

The media bottles are made of high-transparency PETG, and are suitable for storing and transporting liquid culture medium, solution and serum.

- ◎ Specification: 30mL 60mL 125mL 250mL 500mL 1000mL
- ◎ Bottle Body: Polyethylene terephthalate copolymer (PETG)
- ◎ Bottle Cap: High-density polyethylene (HDPE)
- ◎ Conforming to USP CLASS VI

## Features

- ◎ A square-shaped design, easy to hold and save space
- ◎ Highly transparent with a clear and accurate graduation
- ◎ Thick bottle wall, durable, fall-resistant, puncture resistant, resistant to strong pressure, and not easy to deform
- ◎ Good chemical resistance, which can effectively prevent CO<sub>2</sub> and O<sub>2</sub> gas penetration and maintain PH stability
- ◎ Working temperature range: -80°C~60°C
- ◎ Irradiation sterilization, SAL 10<sup>-6</sup>
- ◎ DNase/RNase free, non-pyrogenic and non-cytotoxic



Cat. No.	Capacity (mL)	Characteristics	Sterile	Inner Diameter of Bottle Neck (mm)	Outer Diameter (mm)	Height with Cap (mm)	Qty.Per Bag/Case
SSB010030	30	With cap	Y	13.8	38.2 square	62.5	24/96
SSB010060	60	With cap	Y	18	40.4 square	82.5	24/96
SSB010125	125	With cap	Y	28.6	53 square	106.5	24/96
SSB010250	250	With cap	Y	28.6	59 square	144	24/96
SSB130500	500	With cap	Y	28.6	74 square	178.5	24/48
SSB010000	1000	With cap	Y	28.6	92 square	178.5	24/24

## Solution Bottles

The solution bottles offered by JET BIOFIL are made of high-quality polymer polystyrene through a special production process. They are widely used for the storage and preparation of various liquid formulations in the laboratory, including culture solutions, serums, reagents, etc.

- ◎ Specification: 150mL 250mL 500mL 1000mL 2000mL
- ◎ Bottle Body: Polystyrene (GPPS)
- ◎ Bottle Cap: High-density Polyethylene (HDPE)
- ◎ Conforming to USP CLASS VI



## Features

- ◎ Excellent transparency and clear scale for easy volume observation
- ◎ Ergonomic design on both sides for easy holding
- ◎ Made of high polymer polystyrene for excellent transparency, solid structure and light weight
- ◎ Clear graduation on bottle wall for easy observation and identification
- ◎ Wide-mouth design for easy pouring of liquids
- ◎ Ergonomic design on both sides for easy holding
- ◎ Weak acid and weak alkali resistant
- ◎ Each package bag is printed with a product lot No. for quality traceability
- ◎ Irradiation sterilization, SAL 10<sup>-6</sup>
- ◎ DNase/RNase free, non-pyrogenic

Cat. No.	Volume (mL)	Sterile	Qty. Per Bag/Case
CTF010150	150	Y	1/24
CTF010250	250	Y	1/24
CTF010500	500	Y	1/24
CTF010001	1000	Y	1/24
CTF010002	2000	Y	1/12



Stock Code: 688026

## Filtration

Membrane separation is considered one of the most promising high technologies from the end of the 20th century to the middle of the 21st century. Compared with other traditional separation methods, membrane separation is an economic, energy-saving and efficient technology with the advantages of a simple process, large separation coefficient, continuous operation at room temperature, direct amplification, and specificity of the membrane but without phase change and secondary contamination. With the continuous development of membrane separation technology, microfiltration, ultrafiltration and other membrane technologies have been widely used in biomedicine, biotechnology, energy engineering and other fields.

### Microfiltration (MF)

Microfiltration, also known as filtration, belongs to polishing filtration, with a mechanism based on the sieving separation process. Microfiltration membranes are made of organic or inorganic materials. They are mainly used to remove particles, bacteria and other contaminants from the gas and liquid phases, to achieve the purposes of purification, separation and concentration. Mycoplasma can be removed with 0.1  $\mu\text{m}$  filters; most culture media, buffers, biofluids, and gases can be sterilized with 0.2 or 0.22  $\mu\text{m}$  filters in routine laboratory tests; 0.45  $\mu\text{m}$  filter membranes are preferred for the clarification and primary filtration of solutions and solvents. Filters produced by JET BIOFIL include syringe filters under positive pressure, vacuum bottle filters, etc., which can meet different demands for the sterile filtration of culture media, buffers and reagents due to rich product forms and a variety of membrane materials.

### Ultrafiltration (UF)

Ultrafiltration is a membrane separation technology with pore size between microfiltration and nanofiltration. Ultrafiltration is able to purify, separate, and concentrate solutions based on the mechanism of the sieving process related to the membrane pore size ranging from 0.05  $\mu\text{m}$  to 1  $\mu\text{m}$ . The disposable centrifugal filters produced by JET BIOFIL are provided with polyethersulfone (PES) membranes with different molecular weight cutoffs (MWCOs), which are characterized by low protein binding capacity and high throughput, and can be widely used for the concentration and desalination of biological samples, and buffer replacement.

## Syringe Filters

Syringe filters, used with disposable syringes, are a fast, convenient and reliable filter processing device for small-volume samples routinely used in laboratories. The products are mainly used in pre-filtration of samples, laboratorial sterilization and filtration of biological fluids, media and media additives sample preparation, and gas filtration. JET BIOFIL syringe filters are available sizes and membrane configurations for sterile and non-sterile laboratory operations.

### Materials

◎ Shell: Polypropylene (PP)

◎ Conforming to USP CLASS VI



For use with disposable syringes



Different color outer rings correspond to different membrane types, easy to distinguish and identify

### Features

- ◎ Single package and bulk package are available, for different customer requirements
- ◎ Various membrane types and filtration diameters available
- ◎ Female Luer inlet and male Luer outlet
- ◎ Polypropylene shell is marked with a color ring to distinguish filters of different materials
- ◎ 100% integrity test
- ◎ Radiation sterilization and non-sterilized versions available; radiation sterilized to SAL  $10^{-6}$
- ◎ DNase/RNase-free, non-pyrogenic



Cat. No.	Membrane Material	Color	Pore Size(μm)	Housing Diameter (mm)	Sterile	Qty. Per Box/ Case
FMC201013	MCE	○	0.22	13.0	Y	100/800
FMC201025		○	0.22	25.0	Y	45/360
FMC201030		○	0.22	30.0	Y	45/360
FMC401013		○	0.45	13.0	Y	100/800
FMC401025		○	0.45	25.0	Y	45/360
FMC401030		○	0.45	30.0	Y	45/360
FPV103013	PVDF	○	0.10	13.0	Y	100/800
FPV103025		○	0.10	25.0	Y	45/360
FPV103030		○	0.10	30.0	Y	45/360
FPV203013		○	0.22	13.0	Y	100/800
FPV203025		○	0.22	25.0	Y	45/360
FPV203030		○	0.22	30.0	Y	45/360
FPV403013		○	0.45	13.0	Y	100/800
FPV403013		○	0.45	25.0	Y	45/360
FPV403030		○	0.45	30.0	Y	45/360
PTF205013		PTFE	White	0.22	13.0	Y
PTF205030	White		0.22	25.0	Y	45/360
PTF205030	White		0.22	30.0	Y	45/360
PTF405013	White		0.45	13.0	Y	100/800
PTF405025	White		0.45	25.0	Y	45/360
PTF405030	White		0.45	30.0	Y	45/360
FNY202013	Nylon	○	0.22	13.0	Y	100/800
FNY202025		○	0.22	25.0	Y	45/360
FNY202030		○	0.22	30.0	Y	45/360
FNY402013		○	0.45	13.0	Y	100/800
FNY402025		○	0.45	25.0	Y	45/360
FNY402030		○	0.45	30.0	Y	45/360
FPE204013	PES	○	0.22	13.0	Y	100/800
FPE204025		○	0.22	25.0	Y	45/360
FPE204030		○	0.22	30.0	Y	45/360
FPE404013		○	0.45	13.0	Y	100/800
FPE404025		○	0.45	25.0	Y	45/360
FPE404030		○	0.45	30.0	Y	45/360
FCA206013	CA	○	0.22	13.0	Y	100/800
FCA206025		○	0.22	25.0	Y	45/360
FCA206030		○	0.22	30.0	Y	45/360
FCA406013		○	0.45	13.0	Y	100/800
FCA406025		○	0.45	25.0	Y	45/360
FCA406030		○	0.45	30.0	Y	45/360

Cat. No.	Membrane Material	Color	Pore Size(μm)	Housing Diameter (mm)	Sterile	Qty. Per Box/ Case
SCA207013	SFCA	○	0.22	13.0	Y	100/800
SCA207025		○	0.22	25.0	Y	45/360
SCA207030		○	0.22	30.0	Y	45/360
SCA407013		○	0.45	13.0	Y	100/800
SCA407025		○	0.45	25.0	Y	45/360
SCA407030		○	0.45	25.0	Y	45/360
FPE204113	PES Express	○	0.22	13.0	Y	100/800
FPE204125		○	0.22	25.0	Y	45/360
FPE204130		○	0.22	30.0	Y	45/360
FPE404113		○	0.45	13.0	Y	100/800
FPE404125		○	0.45	25.0	Y	45/360
FPE404130		○	0.45	30.0	Y	45/360
GFA201025	GF1.1μm+CA0.22μm	Natural	0.22	25.0	Y	45/360
GFA201030		Natural	0.22	30.0	Y	45/360
GFA401025		Natural	0.45	25.0	Y	45/360
GFA401030		Natural	0.45	30.0	Y	45/360

## 50mm Syring Filters

50mm syringe filter's shell is polypropylene (PP) and the filter membrane is tetrafluoroethylene (PTFE). Surfactant-free, with a bi-directional filter support and Luer lock (15/25 mm diameter) or stepped barb inlet/outlet for secure syringe loading. The products can filter corrosive chemicals and solvents such as those used in GC and HPLC, as well as for sterile air or CO<sub>2</sub> gas filtration and to protect instruments from aqueous solutions.



### Materials

- Shell: Polypropylene (PP) ○ Conforming to USP CLASS VI
- Filter membrane: Polytetrafluoroethylene (PTFE)

### Features

- Membrane type and pore size is printed on each filter for easy product traceability
- Filter sample volume: 0.2L~5.0L
- The products are suitable for filtering gases, also ideal for filtering corrosive chemicals and solvents
- DNase/RNase-free, non-pyrogenic

## Individual Package

Cat. No.	Connectors	Pore Size( $\mu\text{m}$ )	Housing Diameter(mm)	Sterile	Qty.Per Box/Case
PTF245050	Hose Barb Thread	0.22	50.0	N	1/150
PTF445050		0.45	50.0	N	1/150
PTF255050	Hose Barb Hose Barb	0.22	50.0	N	1/150
PTF455050		0.45	50.0	N	1/150

## Rack Box

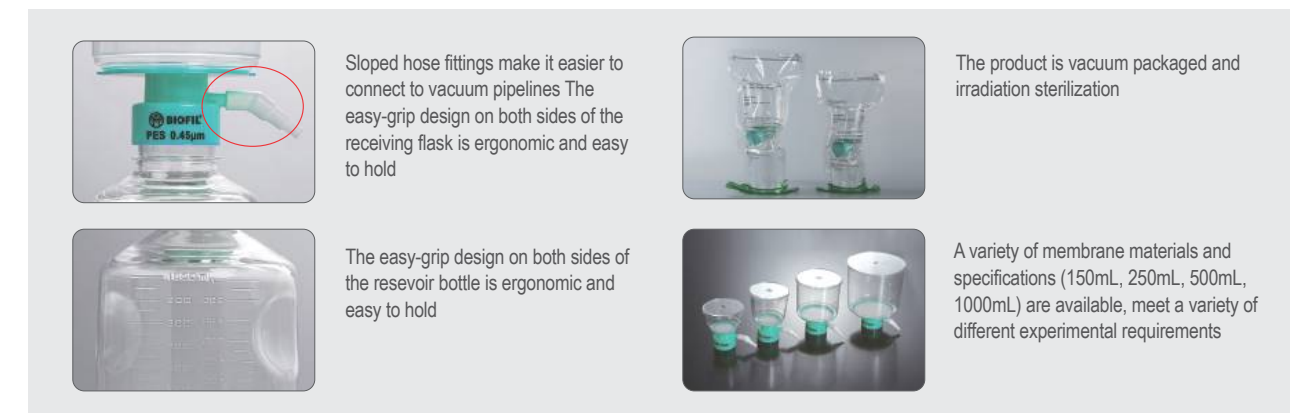
Cat. No.	Connectors	Pore Size( $\mu\text{m}$ )	Housing Diameter(mm)	Sterile	Qty.Per Box/Case
PTF225050	Hose Barb Thread	0.22	50.0	N	10/200
PTF425050		0.45	50.0	N	10/200
PTF235050	Hose Barb Hose Barb	0.22	50.0	N	20/240
PTF435050		0.45	50.0	N	20/240

## Vacuum Bottle Filters

The vacuum bottle filters provide a pressure differential through a vacuum pump, and are used for large-scale filtration of tissue culture fluids and other laboratory solutions. The sample processing volume can be up to several liters, while the filtered sample can be directly stored in a sterile collection bottle. These products are ideal for sterile filtration of bases, buffers and reagents. A complete vacuum filter set is composed of an upper cup cover, an upper cup, a connector, a filter membrane and reservoir bottle.

### Materials

- ◎ Upper Filter Cup and Reservoir Bottle: Polystyrene (GPPS)
- ◎ Green Connector: Acrylonitrile-butadiene-styrene copolymer (ABS)
- ◎ White Connector: Polypropylene (PP)
- ◎ Conforming to USP CLASS VI



Sloped hose fittings make it easier to connect to vacuum pipelines. The easy-grip design on both sides of the receiving flask is ergonomic and easy to hold.

The product is vacuum packaged and irradiation sterilization.

The easy-grip design on both sides of the reservoir bottle is ergonomic and easy to hold.

A variety of membrane materials and specifications (150mL, 250mL, 500mL, 1000mL) are available, meet a variety of different experimental requirements.

### Features

- ◎ A variety of membrane materials and specifications are available, to satisfy different demands for customer applications
- ◎ Sloped hose fittings make it easier to connect vacuum pipelines
- ◎ The upper cup has a GL-45 thread and fits most of glass and plastic media storage bottles
- ◎ The easy-grip design on both sides of the reservoir bottle is ergonomic and easy to hold
- ◎ Good transparency, clear scale, easy to observe capacity
- ◎ PES express has faster filtration and lower clogging rate
- ◎ Each bag is marked with the product lot number for easy quality traceability
- ◎ Sterilized by irradiation, SAL 10<sup>-6</sup>
- ◎ DNase/RNase-free, non-pyrogenic

Cat. No.	Membrane Material	Pore Size( $\mu\text{m}$ )	Capacity(mL)	Membrane Diameter (mm)	Qty. Per Box/ Case
FPV103150	PVDF	0.10	150	$\Phi$ 50	1/12
FPV103250		0.10	250	$\Phi$ 50	1/12
FPV103500		0.10	500	$\Phi$ 75	1/12
FPV103000		0.10	1000	$\Phi$ 91	1/12
FPV203150		0.22	150	$\Phi$ 50	1/12
FPV203250		0.22	250	$\Phi$ 50	1/12
FPV203250		0.22	500	$\Phi$ 75	1/12
FPV203000		0.22	1000	$\Phi$ 91	1/12
FPV403150		0.45	150	$\Phi$ 50	1/12
FPV403250		0.45	250	$\Phi$ 50	1/12
FPV403500		0.45	500	$\Phi$ 75	1/12
FPV403000		0.45	1000	$\Phi$ 91	1/12
FMC201150	MCE	0.22	150	$\Phi$ 50	1/12
FMC201250		0.22	250	$\Phi$ 50	1/12
FMC201500		0.22	500	$\Phi$ 75	1/12
FMC201500		0.22	1000	$\Phi$ 91	1/12
FMC401150		0.45	150	$\Phi$ 50	1/12
FMC401250		0.45	250	$\Phi$ 50	1/12

Cat. No.	Membrane Material	Pore Size(μm)	Capacity(mL)	Membrane Diameter (mm)	Qty. Per Box/ Case	
FMC401500	MCE	0.45	500	Φ75	1/12	
FMC401000		0.45	1000	Φ91	1/12	
FPE204150	PES	0.22	150	Φ50	1/12	
FPE204250		0.22	250	Φ50	1/12	
FPE204500		0.22	500	Φ75	1/12	
FPE204000		0.22	1000	Φ91	1/12	
FPE404150		0.45	150	Φ50	1/12	
FPE404250		0.45	250	Φ50	1/12	
FPE404500		0.45	500	Φ75	1/12	
FPE404000		0.45	1000	Φ91	1/12	
FNY202150		NYLON	0.22	150	Φ50	1/12
FNY202250			0.22	250	Φ50	1/12
FNY202500	0.22		500	Φ75	1/12	
FNY202000	0.22		1000	Φ91	1/12	
FNY402150	0.45		150	Φ50	1/12	
FNY402250	0.45		250	Φ50	1/12	
FNY402500	0.45		500	Φ75	1/12	
FNY402000	0.45		1000	Φ91	1/12	
FCA206150	CA		0.22	150	Φ50	1/12
FCA206250			0.22	250	Φ50	1/12
FCA206500		0.22	500	Φ75	1/12	
FCA206000		0.22	1000	Φ91	1/12	
FCA406150		0.45	150	Φ50	1/12	
FCA406250		0.45	250	Φ50	1/12	
FCA406500		0.45	500	Φ75	1/12	
FCA406000		0.45	1000	Φ91	1/12	
FPE234150		PES Express	0.22	150	Φ50	1/12
FPE234250			0.22	250	Φ50	1/12
FPE234500	0.22		500	Φ75	1/12	
FPE234500	0.22		1000	Φ91	1/12	
FPE434150	0.45		150	Φ50	1/12	
FPE434250	0.45		250	Φ50	1/12	
FPE434500	0.45		500	Φ75	1/12	
FPE434000	0.45		1000	Φ91	1/12	
SCA207150	SFCA		0.22	150	Φ50	1/12
SCA207250			0.22	250	Φ50	1/12
SCA207500		0.22	500	Φ75	1/12	
SCA207000		0.22	1000	Φ91	1/12	

Cat. No.	Membrane Material	Pore Size(μm)	Capacity(mL)	Membrane Diameter (mm)	Qty. Per Box/ Case
SCA407250	SFCA	0.45	250	Φ50	1/12
SCA407150		0.45	150	Φ50	1/12
SCA407500		0.45	500	Φ75	1/12
SCA407000		0.45	1000	Φ91	1/12

## Filter Upper Cups

The vacuum bottle filters provide a pressure differential through a vacuum pump and are used for large-scale filtration of tissue culture fluids and other laboratory solutions. The sample processing volume can be up to several liters. The filtered sample can be directly stored in a sterile collection bottle and used with a JET BIOFIL reservoir bottle. The upper filter cup is composed of an upper cap, an upper cup and a connector.



### Materials

- Upper filter cup: Polystyrene (GPPS)
- Green connector: Acrylonitrile-butadiene-styrene copolymer (ABS)
- White connector: Polypropylene (PP)
- Conforming to USP CLASS VI

### Features

- A variety of membrane materials and specifications are available, in order to meet the varied demands of customers
- Sloped hose fittings make it easier to connect to vacuum pipelines
- The upper cup has a GL-45 thread and fits most of glass and plastic media storage bottles
- Good transparency, clear scale, easy to observe and read capacity
- PES express has faster filtration and a lower clogging rate
- Each bag is marked with the product lot number for easy quality traceability
- Sterilized by irradiation, SAL 10<sup>-6</sup>
- DNase/RNase-free, non-pyrogenic

Cat. No.	Membrane Material	Pore Size(μm)	Capacity(mL)	Diameter(mm)	Qty. Per Bag/ Case
FPV113150	PVDF	0.10	150	Φ50	1/24
FPV113250		0.10	250	Φ50	1/24
FPV113500		0.10	500	Φ75	1/24
FPV113000		0.10	1000	Φ91	1/24
FPV213150		0.22	150	Φ50	1/24
FPV213250		0.22	250	Φ50	1/24



Cat. No.	Membrane Material	Pore Size(μm)	Capacity(mL)	Membrane Diameter (mm)	Qty. Per Box/ Case
FPV213500	PVDF	0.22	500	Φ75	1/24
FPV213000		0.22	1000	Φ91	1/24
FPV413150		0.45	150	Φ50	1/24
FPV413250		0.45	250	Φ50	1/24
FPV413500		0.45	500	Φ75	1/24
FPV413000		0.45	1000	Φ91	1/24
FMC211150		MCE	0.22	150	Φ50
FMC211250	0.22		250	Φ50	1/24
FMC211500	0.22		500	Φ75	1/24
FMC211000	0.22		1000	Φ91	1/24
FMC411150	0.45		150	Φ50	1/24
FMC411250	0.45		250	Φ50	1/24
FMC411500	0.45		500	Φ75	1/24
FMC411000	0.45	1000	Φ91	1/24	
FPE214150	PES	0.22	150	Φ50	1/24
FPE214250		0.22	250	Φ50	1/24
FPE214500		0.22	500	Φ75	1/24
FPE214000		0.22	1000	Φ91	1/24
FPE414150		0.45	150	Φ50	1/24
FPE414250		0.45	250	Φ50	1/24
FPE414500		0.45	500	Φ75	1/24
FPE414000	0.45	1000	Φ91	1/24	
FNY212150	NYLON	0.22	150	Φ50	1/24
FNY212250		0.22	250	Φ50	1/24
FNY212500		0.22	500	Φ75	1/24
FNY212000		0.22	1000	Φ91	1/24
FNY412150		0.45	150	Φ50	1/24
FNY412250		0.45	250	Φ50	1/24
FNY412500		0.45	500	Φ75	1/24
FNY412000	0.45	1000	Φ91	1/24	
FCA216150	CA	0.22	150	Φ50	1/24
FCA216250		0.22	250	Φ50	1/24
FCA216500		0.22	500	Φ75	1/24
FCA216000		0.22	1000	Φ91	1/24
FCA416150		0.45	150	Φ50	1/24
FCA416250		0.45	250	Φ50	1/24
FCA416500		0.45	500	Φ75	1/24
FCA416000	0.45	1000	Φ91	1/24	

Cat. No.	Membrane Material	Pore Size(μm)	Capacity(mL)	Membrane Diameter (mm)	Qty. Per Box/ Case
SCA217150	SFCA	0.22	150	Φ50	1/24
SCA217250		0.22	250	Φ50	1/24
SCA217500		0.22	500	Φ75	1/24
SCA217000		0.22	1000	Φ91	1/24
SCA417150		0.45	150	Φ50	1/24
SCA417250		0.45	250	Φ50	1/24
SCA417500		0.45	500	Φ75	1/24
SCA417000	0.45	1000	Φ91	1/24	
FPE254250	PES Express	0.22	250	Φ75	1/24

## Reservoir Bottles

These products can be used with a vacuum filter as a receiving container for vacuum filtered liquids; they can also be used to store and prepare various laboratory fluids, such as culture fluids, serums, and reagents.

### Materials

- Bottle Body: Polystyrene (GPPS)      ● Conforming to USP CLASS VI
- Bottle Cap: High-density Polyethylene (HDPE)



## Features

- 5 volume sizes are available: 150, 250, 500, 1000 and 2000mL
- Products are made of high-quality polymer material polystyrene for good transparency, strong structure and light weight
- The scale on the flask wall is clear, easy to observe and identify
- Designed with a wide mouth for easy pouring
- The size of the receiving flask mouth is based on the GL45 flask mouth standard
- Easy-grip design on both sides, ergonomic and easy to hold
- Resistant to weak acids
- Each bag is marked with the product lot number for easy quality traceability
- Sterilized by irradiation, SAL 10<sup>-6</sup>
- DNase/RNase-free, non-pyrogenic

Cat. No.	Membrane Material	Capacity(mL)	Sterile	Qty. Per Bag/ Case
FRB000150	PS	150	Y	1/24
FRB000250		250	Y	1/24
FRB000500		500	Y	1/24
FRB000000		1000	Y	1/24

## Tube Top Vacuum Systems

The system uses a vacuum pump to provide differential pressure to filtrate tissue cultures and other laboratory fluid solutions. The products can be directly stored in sterile centrifuge tubes, significantly reducing the pipetting process and improving efficiency. The set includes a vacuum upper filter cup, 50mL conical centrifuge tube, centrifuge tube holder and centrifuge tube cap.



## Materials

- Upper filter cup: Polystyrene (GPPS)
- Green connector: Acrylonitrile-butadiene-styrene copolymer (ABS)
- White connector: Polypropylene (PP)
- Conforming to USP CLASS VI

## Features

- 50mm diameter membrane with external vacuum interface is directly filtered into a 50mL centrifuge tube, reducing unnecessary pipetting steps
- The products are equipped with individually packaged centrifuge tube caps for easy storage
- The connector thread is equipped with a standard 50mL vertical conical centrifuge tube
- The base can directly fix the whole set of filter device
- The set includes: vacuum filter upper cup, 50mL conical centrifuge tube, centrifuge tube holder and centrifuge tube cap
- Sterilized by irradiation, SAL 10<sup>-6</sup>
- DNase/RNase-free, non-pyrogenic

## Tube Vacuum Filter System(including tube, cap and stand)

Cat. No.	Membrane Material	Pore Size(μm)	Funnel / Tube Size(mL)	Sterile	Qty.Per Bag/Case
FCF010001	CA	0.45	150/50	Y	1/12
FCF010002		0.22	150/50	Y	1/12
FCF010003	PES	0.45	150/50	Y	1/12
FCF010004		0.22	150/50	Y	1/12
FCF010005	MCE	0.45	150/50	Y	1/12
FCF010006		0.22	150/50	Y	1/12
FCF010007	PVDF	0.45	150/50	Y	1/12
FCF010008		0.22	150/50	Y	1/12
FCF010009	NYLON	0.45	150/50	Y	1/12
FCF010010		0.22	150/50	Y	1/12

## Tube Top Vacuum Filter Upper Cups

The system uses a vacuum pump to provide differential pressure to filtrate tissue cultures and other laboratory fluid solutions. The products can be directly stored in sterile centrifuge tubes, significantly reducing the pipetting process and improving efficiency. The Filter Upper Cup includes a upper cup cap, upper cup, and connector.



## Materials

- Upper filter cup: Polystyrene (GPPS)
- Green connector: Acrylonitrile-butadiene-styrene copolymer (ABS)
- White connector: Polypropylene (PP)
- Conforming to USP CLASS VI

## Features

- 50mm diameter membrane with external vacuum interface, can be directly filtered into a 50mL centrifuge tube, reducing unnecessary pipetting steps
- Connector thread equipped with a standard 50mL self-standing centrifuge tube
- The upper filter cup is composed of an upper cap, an upper cup and a connector
- Sterilized by irradiation, SAL 10<sup>-6</sup>
- DNase/RNase-free, non-pyrogenic

Cat. No.	Membrane Material	Pore Size(μm)	Funnel / Tube Size(mL)	Sterile	Qty.Per Bag/Case
FCF000001	CA	0.45	150/50	Y	1/24
FCF000002		0.22	150/50	Y	1/24
FCF000003	PES	0.45	150/50	Y	1/24
FCF000004		0.22	150/50	Y	1/24
FCF000005	MCE	0.45	150/50	Y	1/24
FCF000006		0.22	150/50	Y	1/24
FCF000007	PVDF	0.45	150/50	Y	1/24
FCF000008		0.22	150/50	Y	1/24
FCF000009	NYLON	0.45	150/50	Y	1/24
FCF000010		0.22	150/50	Y	1/24

## JetSpin™ Centrifugal Filters

Centrifugal filters are disposable filtration devices that use centrifugal pressure to filter and screen target molecules. It is easy to operate and have high recovery efficiency, and has been widely used for protein sample concentration, desalting and buffer replacement operations. The new JetSpin™ has been upgraded with a new active membrane area and maximum filtration volume. The new centrifugal filters are designed with vertical structure for fast sample concentration; the filter membrane is made of PES material, which has the advantages of high throughput, strong hydrophilicity, low protein adhesion, and stable overall performance. JetSpin™ is manufactured under strict quality control in accordance with ISO 13485 and ISO 9001, and has undergone stringent tests for leak proof and chemical compatibility.

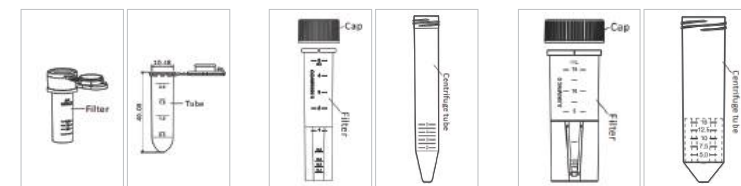


## Materials

- Upper filter cup: Polystyrene (GPPS)
- Green connector: Acrylonitrile-butadiene-styrene copolymer (ABS)
- White connector: Polypropylene (PP)
- Conforming to USP CLASS VI

## Features

- The materials all meet USP CLASS VI standards, and 5 MWCO specifications are available to meet the filtration needs of different molecular sizes
- Vertical double-sided polyethersulfone (PES) membrane filter structure design, larger active membrane area, higher flow rate
- Tube body with support bone position, more stable structure, support higher centrifugal speed, shorter filtration time
- Protein recovery rate up to 80% or more
- Compatible with horizontal rotor and fixed angle rotor centrifugation equipment
- Tubes with scale printed logo and white area for writing text
- DNase/RNase free, pyrogen free



### Special Tips:

This product is not recommended for filtration operations for solutions containing benzene, acetone, or chloroform solvents.

Cat. NO.	Capacity (mL)	Active Membrane Area(cm <sup>2</sup> )	Max Working Volume	Sterile	MWCO (KDa)	Max RCF (Fixed Angle)×g	Max RCF (Swing Bucket)×g	Qty.Per Box/Case
FTT105105	0.5	0.65	Fixed Angle 0.5mL	N	5	10000	-	25/300
FTT110105	0.5	0.65		N	10	10000	-	25/300
FTT130105	0.5	0.65		N	30	10000	-	25/300
FTT150105	0.5	0.65		N	50	10000	-	25/300
FTT100105	0.5	0.65		N	100	10000	-	25/300
FTT105150	5	3.5	Fixed Angle 4mL Swing Bucket 5mL	N	5	5000	4000	24/96
FTT110150	5	3.5		N	10	5000	4000	24/96
FTT130150	5	3.5		N	30	5000	4000	24/96
FTT150150	5	3.5		N	50	5000	4000	24/96
FTT100150	5	3.5		N	100	5000	4000	24/96
FTT405500	15	9.7	Fixed Angle 12mL Swing Bucket 15mL	N	5	4000	3000	8/96
FTT505500	15	9.7		N	5	4000	3000	24/96
FTT410500	15	9.7		N	10	4000	3000	8/96
FTT510500	15	9.7		N	10	4000	3000	24/96
FTT430500	15	9.7		N	30	4000	3000	8/96
FTT530500	15	9.7		N	30	4000	3000	24/96
FTT450500	15	9.7		N	50	4000	3000	8/96
FTT550500	15	9.7		N	50	4000	3000	24/96
FTT400500	15	9.7		N	100	4000	3000	8/96
FTT500500	15	9.7		N	100	4000	3000	24/96



## Molecular Biology



Molecular test is a laboratory test that is used to study constituent cells and body fluids using DNA and/or RNA detection technology to identify the molecular characteristics and abnormalities under the basic principle of PCR. The molecular test is widely used in various fields, such as laboratories, clinical, and non-clinical fields. Molecular diagnosis, an example of the application of molecular tests for in vitro diagnosis, has currently become the fastest-growing and cutting-edge technology in the field of in vitro diagnosis. In addition to disease diagnosis, scientific research institutes, pharmaceutical companies, and CROs will also use molecular test technologies and products to carry out research and development. With the development of computer technology and the advancement of precision instrument manufacturing technology, automation technology is increasingly used in molecular tests, resulting in a demand for a series of consumables supporting automation applications, including robotic tips, deep-well plates, PCR plates, etc.

Consumables for molecular tests produced by JET BIOFIL are DNase/RNase and pyrogen-free and produced in a Class 100,000 clean workshop with high-quality raw materials conforming to USP CLASS VI standards. The robotic tips have a variety of specifications, allowing them to be compatible with various automatic instruments such as Tecan®, Hamilton®, and Beckman®. The deep-well plates also have multiple specifications and sizes conforming to SBS standards, allowing them to be used in the corresponding automatic workstations. PCR plates are made of high-quality PP materials with plate types conforming to SBS, which makes them adaptive to repeated high and low-temperature settings during PCR. Moreover, PCR plates are suitable for different PCR amplifiers from different manufacturers due to their multiple types including non-skirted, semi-skirted and full-skirted plates.

## Pipette Micro Tips

Pipette micro tips are used to accurately transfer a small amount of liquid together with the pipettor. Jet Biofil pipette tips can be used with most of popular brands, and are made of polypropylene in line with USP CLASS VI standard in a 100,000 grade clean workshop; high material transparency ensures liquid handling accuracy. They are widely used in liquid pipetting, dispensing, mixing, and preparing samples for assays and tests.

### Materials

- ◎ Polypropylene (PP)
- ◎ Filter element: Polyolefin (PO)
- ◎ Confirming to USP CLASS VI



### Features

- ◎ Extended tips can reach the bottom of deep containers with narrow mouths, without touching the edge of the container top, thus reducing the risk of contamination
- ◎ Preferred suitable for most brands of micropipettor, such as Gilson, Eppendorf, etc
- ◎ Fine graduation facilitates direct visual observation of pipetting volumes
- ◎ Smooth inwall of tips reduces liquid adhesion, making it environmentally friendly and able to reduce sample usage
- ◎ Available in sterilized and non-sterilized. Sterilized by Irradiation, SAL 10<sup>-6</sup>
- ◎ DNase/RNase free, Non-pyrogenic

Pipette Micro Tips, 0.1~10µL

	Cat. No.	Capacity(µL)	Color	Filter	Sterile	Package	Qty./Bag	Qty./Case
	PPT000110	0.1~10	Natural	N	N	Re-sealable Bag	1000	10000
	PPT221010	0.1~10	Natural	N	Y	Re-sealable Bag	1000	10000
	PPT100010	0.1~10	Natural	Y	N	Re-sealable Bag	1000	10000
	PPT101010	0.1~10	Natural	Y	Y	Re-sealable Bag	1000	10000
	PPT050010	0.1~10	Natural	N	N	Rack Box	96	1920
	PPT051110	0.1~10	Natural	N	Y	Rack Box	96	1920
	PPT150010	0.1~10	Natural	Y	N	Rack Box	96	1920
	PPT151010	0.1~10	Natural	Y	Y	Rack Box	96	1920

Pipette Micro Tips, 0.1~10µL, Long Tips

	Cat. No.	Capacity(µL)	Color	Filter	Sterile	Package	Qty./Bag	Qty./Case
	PPT300010	0.1~10	Natural	N	N	Re-sealable Bag	1000	10000
	PPT301010	0.1~10	Natural	N	Y	Re-sealable Bag	1000	10000
	PPT402010	0.1~10	Natural	Y	N	Re-sealable Bag	1000	10000
	PPT401010	0.1~10	Natural	Y	Y	Re-sealable Bag	1000	10000
	PPT350010	0.1~10	Natural	N	N	Rack Box	96	1920
	PPT351010	0.1~10	Natural	N	Y	Rack Box	96	1920
	PPT450010	0.1~10	Natural	Y	N	Rack Box	96	1920
	PPT451010	0.1~10	Natural	Y	Y	Rack Box	96	1920

Pipette Micro Tips, 2~20µL

	Cat. No.	Capacity(µL)	Color	Filter	Sterile	Package	Qty./Bag	Qty./Case
	PPT100020	2~20	Natural	Y	N	Re-sealable Bag	1000	10000
	PPT101020	2~20	Natural	Y	Y	Re-sealable Bag	1000	10000
	PPT150020	2~20	Natural	Y	N	Rack Box	96	1920
	PPT151020	2~20	Natural	Y	Y	Rack Box	96	1920

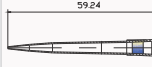
Pipette Micro Tips, 10~100µL

	Cat. No.	Capacity(µL)	Color	Filter	Sterile	Package	Qty./Bag	Qty./Case
	PPT100100	10~100	Natural	Y	N	Re-sealable Bag	1000	10000
	PPT101100	10~100	Natural	Y	Y	Re-sealable Bag	1000	10000
	PPT150100	10~100	Natural	Y	N	Rack Box	96	1920
	PPT151100	10~100	Natural	Y	Y	Rack Box	96	1920

Pipette Micro Tips, 10~200µL

	Cat. No.	Capacity(µL)	Color	Filter	Sterile	Package	Qty./Bag	Qty./Case
	PPT000200	10~200	Natural	N	N	Re-sealable Bag	1000	10000
	PPT000200-1	10~200	Yellow	N	N	Re-sealable Bag	1000	10000
	PPT001200	10~200	Natural	N	Y	Re-sealable Bag	1000	10000
	PPT001200-1	10~200	Yellow	N	Y	Re-sealable Bag	1000	10000
	PPT150200	10~200	Natural	Y	N	Re-sealable Bag	1000	10000
	PPT050200	10~200	Natural	N	N	Re-sealable Bag	1000	10000
	PPT051200	10~200	Natural	N	Y	Rack Box	96	1920
	PPT153200	10~200	Natural	Y	Y	Rack Box	96	1920
	PPT151200	10~200	Natural	Y	Y	Re-sealable Bag	1000	10000
	PPT152200	10~200	Natural	Y	N	Rack Box	96	1920

Pipette Micro Tips, 10~300µL

	Cat. No.	Capacity(µL)	Color	Filter	Sterile	Package	Qty./Bag	Qty./Case
	PPT300300	10~300	Natural	N	N	Re-sealable Bag	1000	10000
	PPT301300	10~300	Natural	N	Y	Re-sealable Bag	1000	10000
	PPT401300	10~300	Natural	Y	Y	Re-sealable Bag	1000	10000
	PPT402300	10~300	Natural	Y	N	Re-sealable Bag	1000	10000
	PPT350300	10~300	Natural	N	N	Rack Box	96	1920
	PPT351300	10~300	Natural	N	Y	Rack Box	96	1920
	PPT450300	10~300	Natural	Y	N	Rack Box	96	1920
	PPT451300	10~300	Natural	Y	Y	Rack Box	96	1920

Pipette Micro Tips, 100~1000µL

	Cat. No.	Capacity(µL)	Color	Filter	Sterile	Package	Qty./Bag	Qty./Case
	PPT000000	100~1000	Natural	N	N	Re-sealable Bag	1000	10000
	PPT000000-1	100~1000	Blue	N	N	Re-sealable Bag	1000	10000
	PPT001000	100~1000	Natural	N	Y	Re-sealable Bag	1000	10000
	PPT001000-1	100~1000	Blue	N	Y	Re-sealable Bag	1000	10000
	PPT100000	100~1000	Natural	Y	N	Re-sealable Bag	1000	10000
	PPT101000	100~1000	Natural	Y	Y	Re-sealable Bag	1000	10000
	PPT050000	100~1000	Natural	N	N	Rack Box	96	1920
	PPT051000	100~1000	Natural	N	Y	Rack Box	96	1920
	PPT150000	100~1000	Natural	Y	N	Rack Box	96	1920
	PPT151000	100~1000	Natural	Y	Y	Rack Box	96	1920

Pipette Micro Tips, 100~1000µL, Long Tips

	Cat. No.	Capacity(µL)	Color	Filter	Sterile	Package	Qty.Per Box/Case
	PPT070000	100~1000	Natural	N	N	Re-sealable Bag	1000/10000
	PPT070000-1	100~1000	Blue	N	N	Re-sealable Bag	1000/10000
	PPT071000	100~1000	Natural	N	Y	Re-sealable Bag	1000/10000
	PPT071000-1	100~1000	Blue	N	Y	Re-sealable Bag	1000/10000
	PPT170000	100~1000	Natural	Y	N	Re-sealable Bag	1000/10000
	PPT171000	100~1000	Natural	Y	Y	Re-sealable Bag	1000/10000
	PPT270000	100~1000	Natural	N	N	Rack Box	96/1920
	PPT271000	100~1000	Natural	N	Y	Rack Box	96/1920
	PPT370000	100~1000	Natural	Y	N	Rack Box	96/1920
	PPT371000	100~1000	Natural	Y	Y	Rack Box	96/1920

Pipette Micro Tips, 100~1250µL

	Cat. No.	Capacity(µL)	Color	Filter	Sterile	Package	Qty.Per Box/Case
	PPT371250	100~1250	Natural	Y	Y	Rack Box	96/1920

Pipette Micro Tips, 96 Per Bag

	Cat. No.	Capacity(µL)	Color	Filter	Sterile	Package	Qty.Per Box/Case
	PPT611010	0.1~10	Natural	N	Y	Re-sealable Bag	96/1920
	PPT631010	0.1~10	Natural	N	Y	Re-sealable Bag	96/1920
	PPT601200	10~200	Natural	N	Y	Re-sealable Bag	96/1920
	PPT601200-1	10~200	Yellow	N	Y	Re-sealable Bag	96/1920
	PPT631300	10~300	Natural	N	Y	Re-sealable Bag	96/1920
	PPT601000	100~1000	Natural	N	Y	Re-sealable Bag	96/1920
	PPT601000-1	100~1000	Blue	N	Y	Re-sealable Bag	96/1920
	PPT701010	0.1~10	Natural	Y	Y	Re-sealable Bag	96/1920
	PPT703010	0.1~10	Natural	Y	Y	Re-sealable Bag	96/1920
	PPT701020	2~20	Natural	Y	Y	Re-sealable Bag	96/1920
	PPT701100	10~100	Natural	Y	Y	Re-sealable Bag	96/1920
	PPT701200	10~200	Natural	Y	Y	Re-sealable Bag	96/1920
	PPT701300	10~300	Natural	Y	Y	Re-sealable Bag	96/1920
	PPT701000	100~1000	Natural	Y	Y	Re-sealable Bag	96/1920

Pipette MicroTips, Reloading Rack

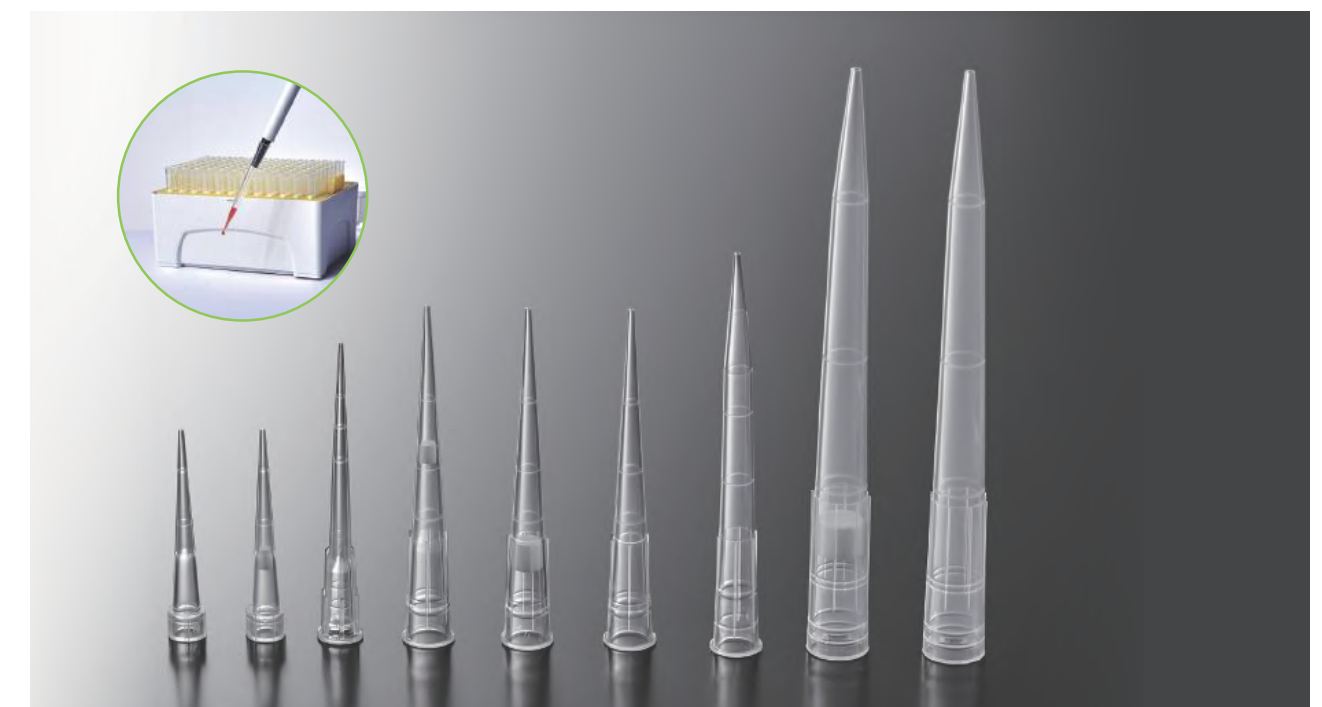
	Cat. No.	Capacity(µL)	Color	Filter	LayerQty.	Sterile	Package	Qty./Case
	PPT900010	0.1~10	Natural	N	10	N	Rack Box	960/9600
	PPT900200	10~200	Natural	N	10	N	Rack Box	960/9600
	PPT901200	10~200	Yellow	N	10	N	Rack Box	960/9600
	PPT900300	10~300	Natural	N	10	N	Rack Box	960/9600
	PPT900000	10~1000	Natural	N	5	N	Rack Box	480/4800
	PPT901000	10~1000	Blue	N	5	N	Rack Box	480/4800

**ZEROTIP® Pipette Micro Tips**

The tips are designed with the superhydrophobic surface so as to reduce liquid adsorption, improve accuracy and precision, and reduce reagent loss. They are therefore particularly suited to cell culture experiments, genomics, enzyme reactions, nucleic acid extraction and purification, proteomics, protein extraction and purification.

**Materials**

- Polypropylene (PP)
- Filter element: Polyolefin (PO)
- Confirming to USP CLASS VI





## Features

- Smooth superhydrophobic surface reduces sample loss and improves accuracy and precision
- Minimizes foam formation during pipetting
- Suitable for operations involving biological samples, such as detergents and solvents, including SDS, Tween and Triton X-100.
- Extremely high reproducibility in PCR and real-time PCR applications
- Preferred suitability for most of micropipettes, such as Gilson, Eppendorf, etc.
- Available in sterilized and non-sterilized. Sterilized by irradiation, SAL 10<sup>-6</sup>
- DNase/RNase free, Non-pyrogenic

### ZEROTIP® Pipette Micro Tips, 0.1-10µL




Cat. No.	Capacity(µL)	Color	Filter	Sterile	Package	Qty.Per Box/Case
PPT010010	0.1~10	Natural	N	N	Re-sealable Bag	1000/10000
PPT011010	0.1~10	Natural	N	Y	Re-sealable Bag	1000/10000
PPT110010	0.1~10	Natural	Y	N	Re-sealable Bag	1000/10000
PPT111010	0.1~10	Natural	Y	Y	Re-sealable Bag	1000/10000
PPT250010	0.1~10	Natural	N	N	Rack Box	96/1920
PPT251010	0.1~10	Natural	N	Y	Rack Box	96/1920
PPT550010	0.1~10	Natural	Y	N	Rack Box	96/1920
PPT252010	0.1~10	Natural	Y	Y	Rack Box	96/1920

### ZEROTIP® Pipette Micro Tips, 0.1-10µL, Long Tips



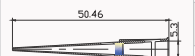
Cat. No.	Capacity(µL)	Color	Filter	Sterile	Package	Qty.Per Box/Case
PPT030010	0.1~10	Natural	N	N	Re-sealable Bag	1000/10000
PPT031010	0.1~10	Natural	N	Y	Re-sealable Bag	1000/10000
PPT130010	0.1~10	Natural	Y	N	Re-sealable Bag	1000/10000
PPT131010	0.1~10	Natural	Y	Y	Re-sealable Bag	1000/10000
PPT230010	0.1~10	Natural	N	N	Rack Box	96/1920
PPT231010	0.1~10	Natural	N	Y	Rack Box	96/1920
PPT232010	0.1~10	Natural	Y	N	Rack Box	96/1920
PPT233010	0.1~10	Natural	Y	Y	Rack Box	96/1920

### ZEROTIP® Pipette Micro Tips, 2-20µL



Cat. No.	Capacity(µL)	Color	Filter	Sterile	Package	Qty.Per Box/Case
PPT110020	2~20	Natural	Y	N	Re-sealable Bag	1000/10000
PPT111020	2~20	Natural	Y	Y	Re-sealable Bag	1000/10000
PPT250020	2~20	Natural	Y	N	Rack Box	96/1920
PPT252020	2~20	Natural	Y	Y	Rack Box	96/1920

### ZEROTIP® Pipette Micro Tips, 10-100µL



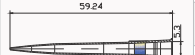
Cat. No.	Capacity(µL)	Color	Filter	Sterile	Package	Qty.Per Box/Case
PMT110100	10~100	Natural	Y	N	Re-sealable Bag	1000/10000
PMT111100	10~100	Natural	Y	Y	Re-sealable Bag	1000/10000
PMT250100	10~100	Natural	Y	N	Rack Box	96/1920
PMT252100	10~100	Natural	Y	Y	Rack Box	96/1920

### ZEROTIP® Pipette Micro Tips, 10-200µL



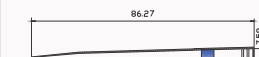
Cat. No.	Capacity(µL)	Color	Filter	Sterile	Package	Qty.Per Box/Case
PMT010200	10~200	Natural	N	N	Re-sealable Bag	1000/10000
PMT011200	10~200	Natural	N	Y	Re-sealable Bag	1000/10000
PMT012200	10~200	Natural	Y	N	Re-sealable Bag	1000/10000
PMT111200	10~200	Natural	Y	Y	Re-sealable Bag	1000/10000
PMT250200	10~200	Natural	N	N	Rack Box	96/1920
PMT251200	10~200	Natural	N	Y	Rack Box	96/1920
PMT230200	10~200	Natural	Y	N	Rack Box	96/1920
PMT231200	10~200	Natural	Y	Y	Rack Box	96/1920

### ZEROTIP® Pipette Micro Tips, 10-300µL



Cat. No.	Capacity(µL)	Color	Filter	Sterile	Package	Qty.Per Box/Case
PMT030300	10~300	Natural	N	N	Re-sealable Bag	1000/10000
PMT031300	10~300	Natural	N	Y	Re-sealable Bag	1000/10000
PMT130300	10~300	Natural	Y	N	Re-sealable Bag	1000/10000
PMT131300	10~300	Natural	Y	Y	Re-sealable Bag	1000/10000
PMT230300	10~300	Natural	N	N	Rack Box	96/1920
PMT231300	10~300	Natural	N	Y	Rack Box	96/1920
PMT232300	10~300	Natural	Y	N	Rack Box	96/1920
PMT233300	10~300	Natural	Y	Y	Rack Box	96/1920

### ZEROTIP® Pipette Micro Tips, 100-1000µL



Cat. No.	Capacity(µL)	Color	Filter	Sterile	Package	Qty.Per Box/Case
PMT010000	100~1000	Natural	N	N	Re-sealable Bag	1000/10000
PMT011000	100~1000	Natural	N	Y	Re-sealable Bag	1000/10000
PMT110000	100~1000	Natural	Y	N	Re-sealable Bag	1000/10000
PMT111000	100~1000	Natural	Y	Y	Re-sealable Bag	1000/10000
PMT250000	100~1000	Natural	N	N	Rack Box	96/1920
PMT251000	100~1000	Natural	N	Y	Rack Box	96/1920
PMT550000	100~1000	Natural	Y	N	Rack Box	96/1920
PMT252000	100~1000	Natural	Y	Y	Rack Box	96/1920

## ZEROTIP® Pipette Micro Tips, 100-1000µL Long Tips

	Cat. No.	Capacity(µL)	Color	Filter	Sterile	Package	Qty.Per Box/Case
	PMT070000	100~1000	Natural	N	N	Re-sealable Bag	1000/10000
	PMT071000	100~1000	Natural	N	Y	Re-sealable Bag	1000/10000
	PMT170000	100~1000	Natural	Y	N	Re-sealable Bag	1000/10000
	PMT171000	100~1000	Natural	Y	Y	Re-sealable Bag	1000/10000
	PMT270000	100~1000	Natural	N	N	Rack Box	96/1920
	PMT271000	100~1000	Natural	N	Y	Rack Box	96/1920
	PMT370000	100~1000	Natural	Y	N	Rack Box	96/1920
	PMT371000	100~1000	Natural	Y	Y	Rack Box	96/1920

## ZEROTIP® Pipette Micro Tips, Reloading RackMicro Tips

	Cat. No.	Capacity(µL)	Color	Filter	Filter	Sterile	Package	Qty.Per Box/Case
	PMT950010	0.1~10	Natural	10	N	N	Rack Box	960/9600
	PMT950200	10~200	Natural	10	N	N	Rack Box	960/9600
	PMT951200	10~200	Yellow	10	N	N	Rack Box	960/9600
	PMT950300	10~300	Natural	10	N	N	Rack Box	960/9600
	PMT950000	100~1000	Natural	5	N	N	Rack Box	480/4800
	PMT951000	100~1000	Blue	5	N	N	Rack Box	480/4800

## Robotic Tips

Robotic tips and non-conductive tips are designed for use in Robotic pipetting systems and can be used in various liquid handling workstations, such as those produced by BECKMAN, Tecan and Agilent. They can also be applied to cytomics, genomics, proteomics, immunoassay, metabonomics and the R&D of bio-pharmaceuticals as well as other commonly used high throughput liquid handling.

## Materials

- ◎ Polypropylene (PP)
- ◎ Filter element: Polyolefin (PO)
- ◎ Confirming to USP CLASS VI



## Features

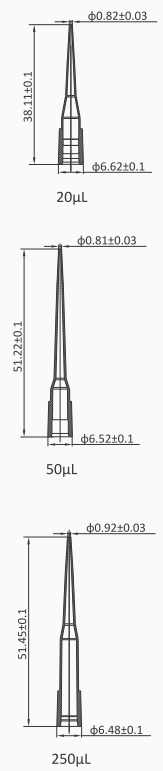
- ◎ Made of high quality PP for stable performance
- ◎ Two types available (with and without filter element), to meet different testing requirements
- ◎ Exclusive technology; smooth inner surface and excellent concentricity of tips, significantly reducing residues
- ◎ Standard size and excellent air tightness
- ◎ Highly suitability, compatible with all manner of liquid handling workstations
- ◎ Products undergo E-bean sterilization and has passed SGS verification
- ◎ DNase/RNase free, Non-pyrogenic

## Tecan® Genesis Freedom®, Freedom Evo® and Miniprep with LiHa

	Cat. No.	Max Volume (µL)	Surface Type	Sterile	Filter	Color	Package	Qty.Per Box/Case
	ATT101010	10	Normal	Y	Y	Natural	Rack Box	96/2304
	AMT101010	10	Low Retention	Y	Y	Natural	Rack Box	96/2304
	ATT000020	20	Normal	N	N	Natural	Rack Box	96/2304
	AMT000020	20	Low Retention	N	N	Natural	Rack Box	96/2304
	ATT001020	20	Normal	Y	N	Natural	Rack Box	96/2304
	AMT001020	20	Low Retention	Y	N	Natural	Rack Box	96/2304
	ATT000050	50	Normal	N	N	Natural	Rack Box	96/2304
	AMT000050	50	Low Retention	N	N	Natural	Rack Box	96/2304
	ATT001050	50	Normal	Y	N	Natural	Rack Box	96/2304
	AMT001050	50	Low Retention	Y	N	Natural	Rack Box	96/2304
	ATT101050	50	Normal	Y	Y	Natural	Rack Box	96/2304
	AMT101050	50	Low Retention	Y	Y	Natural	Rack Box	96/2304
	ATT000200	200	Normal	N	N	Natural	Rack Box	96/2304
	AMT000200	200	Low Retention	N	N	Natural	Rack Box	96/2304
	ATT001200	200	Normal	Y	N	Natural	Rack Box	96/2304
	AMT001200	200	Low Retention	Y	N	Natural	Rack Box	96/2304
	ATT101200	200	Normal	Y	Y	Natural	Rack Box	96/2304
	AMT101200	200	Low Retention	Y	Y	Natural	Rack Box	96/2304
	ATT000000	1000	Normal	N	N	Natural	Rack Box	96/1536
	AMT000000	1000	Low Retention	N	N	Natural	Rack Box	96/1536
ATT001000	1000	Normal	Y	N	Natural	Rack Box	96/1536	
AMT001000	1000	Low Retention	Y	N	Natural	Rack Box	96/1536	
ATT101000	1000	Normal	Y	Y	Natural	Rack Box	96/1536	
AMT101000	1000	Low Retention	Y	Y	Natural	Rack Box	96/1536	

Tecan® Genesis Freedom®, Freedom Evo® and Miniprep with LiHa

Cat. No.	Max Volume (µL)	Surface Type	Sterile	Filter	Color	Package	Qty. Per Box /Case
AUT101010	10	Normal	Y	Y	Black	Rack Box	96/2304
ANT101010	10	Low Retention	Y	Y	Black	Rack Box	96/2304
AUT000020	20	Normal	N	N	Black	Rack Box	96/2304
ANT000020	20	Low Retention	N	N	Black	Rack Box	96/2304
AUT001020	20	Normal	Y	N	Black	Rack Box	96/2304
ANT001020	20	Low Retention	Y	N	Black	Rack Box	96/2304
AUT000050	50	Normal	N	N	Black	Rack Box	96/2304
ANT000050	50	Low Retention	N	N	Black	Rack Box	96/2304
AUT001050	50	Normal	Y	N	Black	Rack Box	96/2304
ANT001050	50	Low Retention	Y	N	Black	Rack Box	96/2304
AUT101050	50	Normal	Y	Y	Black	Rack Box	96/2304
ANT101050	50	Low Retention	Y	Y	Black	Rack Box	96/2304
AUT000200	200	Normal	N	N	Black	Rack Box	96/2304
ANT000200	200	Low Retention	N	N	Black	Rack Box	96/2304
AUT001200	200	Normal	Y	N	Black	Rack Box	96/2304
ANT001200	200	Low Retention	Y	N	Black	Rack Box	96/2304
AUT101200	200	Normal	Y	Y	Black	Rack Box	96/2304
ANT101200	200	Low Retention	Y	Y	Black	Rack Box	96/2304
AUT000000	1000	Normal	N	N	Black	Rack Box	96/1536
ANT000000	1000	Low Retention	N	N	Black	Rack Box	96/1536
AUT001000	1000	Normal	Y	N	Black	Rack Box	96/1536
ANT001000	1000	Low Retention	Y	N	Black	Rack Box	96/1536
AUT101000	1000	Normal	Y	Y	Black	Rack Box	96/1536
ANT101000	1000	Low Retention	Y	Y	Black	Rack Box	96/1536



BECKMAN, FX/NX, Multimek AP96 and Biomek3000

Cat. No.	Max Volume (µL)	Surface Type	Sterile	Filter	Color	Package	Qty. Per Box /Case
ATB000020	20	Normal	N	N	Natural	Rack Box	96/4800
AMB000020	20	Low Retention	N	N	Natural	Rack Box	96/4800
ATB001020	20	Normal	Y	N	Natural	Rack Box	96/4800
AMB001020	20	Low Retention	Y	N	Natural	Rack Box	96/4800
ATB101020	20	Normal	Y	Y	Natural	Rack Box	96/4800
AMB101020	20	Low Retention	Y	Y	Natural	Rack Box	96/4800
ATB000050	50	Normal	N	N	Natural	Rack Box	96/4800
AMB000050	50	Low Retention	N	N	Natural	Rack Box	96/4800
ATB001050	50	Normal	Y	N	Natural	Rack Box	96/4800

Cat. No.	Max Volume (µL)	Surface Type	Sterile	Filter	Color	Package	Qty. Per Box /Case
AMB001050	50	Low Retention	Y	N	Natural	Rack Box	96/4800
ATB101050	50	Normal	Y	Y	Natural	Rack Box	96/4800
AMB101050	50	Low Retention	Y	Y	Natural	Rack Box	96/4800
ATB000250	250	Normal	N	N	Natural	Rack Box	96/4800
AMB000250	250	Low Retention	N	N	Natural	Rack Box	96/4800
ATB001250	250	Normal	Y	N	Natural	Rack Box	96/4800
AMB001250	250	Low Retention	Y	N	Natural	Rack Box	96/4800
ATB101180	250	Normal	Y	Y	Natural	Rack Box	96/4800
AMB101180	250	Low Retention	Y	Y	Natural	Rack Box	96/4800

BECKMAN, FX/NX, Multimek AP96 and Biomek3000

Cat. No.	Max Volume (µL)	Surface Type	Sterile	Filter	Color	Package	Qty. Per Box /Case
AUB000020	20	Normal	N	N	Black	Rack Box	96/4800
ANB000020	20	Low Retention	N	N	Black	Rack Box	96/4800
AUB001020	20	Normal	Y	N	Black	Rack Box	96/4800
ANB001020	20	Low Retention	Y	N	Black	Rack Box	96/4800
AUB101020	20	Normal	Y	Y	Black	Rack Box	96/4800
ANB101020	20	Low Retention	Y	Y	Black	Rack Box	96/4800
AUB000050	50	Normal	N	N	Black	Rack Box	96/4800
ANB000050	50	Low Retention	N	N	Black	Rack Box	96/4800
AUB001050	50	Normal	Y	N	Black	Rack Box	96/4800
ANB001050	50	Low Retention	Y	N	Black	Rack Box	96/4800
AUB101050	50	Normal	Y	Y	Black	Rack Box	96/4800
ANB101050	50	Low Retention	Y	Y	Black	Rack Box	96/4800
AUB000250	250	Normal	N	N	Black	Rack Box	96/4800
ANB000250	250	Low Retention	N	N	Black	Rack Box	96/4800
AUB001250	250	Normal	Y	N	Black	Rack Box	96/4800
ANB001250	250	Low Retention	Y	N	Black	Rack Box	96/4800
AUB101180	250	Normal	Y	Y	Black	Rack Box	96/4800
ANB101180	250	Low Retention	Y	Y	Black	Rack Box	96/4800

Hamilton STAR, STARlet, STARplus and Nimbus®

Cat. No.	Max Volume (µL)	Surface Type	Sterile	Filter	Color	Package	Qty. Per Box /Case
ATH000050	50	Normal	N	N	Natural	Rack Box	96/2304
AMH000050	50	Low Retention	N	N	Natural	Rack Box	96/2304



	Cat. No.	Max Volume( $\mu$ L)	Surface Type	Sterile	Filter	Color	Package	Qty./Per Box /Case
	ATH001050	50	Normal	Y	N	Natural	Rack Box	96/2304
	AMH001050	50	Low Retention	Y	N	Natural	Rack Box	96/2304
	ATH101050	50	Normal	Y	Y	Natural	Rack Box	96/2304
	AMH101050	50	Low Retention	Y	Y	Natural	Rack Box	96/2304
	ATH000300	300	Normal	N	N	Natural	Rack Box	96/2304
	AMH000300	300	Low Retention	N	N	Natural	Rack Box	96/2304
	ATH001300	300	Normal	Y	N	Natural	Rack Box	96/2304
	AMH001300	300	Low Retention	Y	N	Natural	Rack Box	96/2304
	ATH101300	300	Normal	Y	Y	Natural	Rack Box	96/2304
	AMH101300	300	Low Retention	Y	Y	Natural	Rack Box	96/2304
	ATH000000	1000	Normal	N	N	Natural	Rack Box	96/1536
	AMH000000	1000	Low Retention	N	N	Natural	Rack Box	96/1536
	ATH001000	1000	Normal	Y	N	Natural	Rack Box	96/1536
	AMH001000	1000	Low Retention	Y	N	Natural	Rack Box	96/1536
	ATH101000	1000	Normal	Y	Y	Natural	Rack Box	96/1536
	AMH101000	1000	Low Retention	Y	Y	Natural	Rack Box	96/1536

## Hamilton STAR, STARlet, STARplus and Nimbus®

	Cat. No.	Max Volume( $\mu$ L)	Surface Type	Sterile	Filter	Color	Package	Qty./Per Box /Case
	AUH000050	50	Normal	N	N	Black	Rack Box	96/2304
	ANH000050	50	Low Retention	N	N	Black	Rack Box	96/2304
	AUH001050	50	Normal	Y	N	Black	Rack Box	96/2304
	ANH001050	50	Low Retention	Y	N	Black	Rack Box	96/2304
	AUH101050	50	Normal	Y	Y	Black	Rack Box	96/2304
	ANH101050	50	Low Retention	Y	Y	Black	Rack Box	96/2304
	AUH000300	300	Normal	N	N	Black	Rack Box	96/2304
	ANH000300	300	Low Retention	N	N	Black	Rack Box	96/2304
	AUH001300	300	Normal	Y	N	Black	Rack Box	96/2304
	ANH001300	300	Low Retention	Y	N	Black	Rack Box	96/2304
	AUH101300	300	Normal	Y	Y	Black	Rack Box	96/2304
	ANH101300	300	Low Retention	Y	Y	Black	Rack Box	96/2304
	AUH000000	1000	Normal	N	N	Black	Rack Box	96/1536
	ANH000000	1000	Low Retention	N	N	Black	Rack Box	96/1536
	AUH001000	1000	Normal	Y	N	Black	Rack Box	96/1536
	ANH001000	1000	Low Retention	Y	N	Black	Rack Box	96/1536
AUH101000	1000	Normal	Y	Y	Black	Rack Box	96/1536	
ANH101000	1000	Low Retention	Y	Y	Black	Rack Box	96/1536	

## Micro Centrifuge Tubes

Micro centrifuge tubes are mainly used for small amount of sample stored, transported, and centrifuged, and have wide applications such as molecular biology, clinical chemistry and biochemical research. Jet Biofil micro centrifuge tubes are made of transparent polypropylene (PP), with a push-type flat cap design, easy to be opened and closed, ergonomically designed, and can be operated with one hand.

## Material

© Polypropylene (PP)

© Confirming to USP CLASS VI



## Features

- © 4 capacities available: 0.5mL, 1.5mL, 2.0mL, 5.0mL, recognized according to different colors on the tube body, for convenient operation
- © Conical bottom, smooth and transparent tube body, clear graduation
- © The tube body is designed with a frosted writing area, convenient for recording
- © The sealed cap can be opened and closed repeatedly, which can improve sealing performance, prevent liquid leakage, and is easy to operate with one hand
- © MAX RCF (maximum relative centrifugal force) reaches 25,000xg
- © Temperature range: -80°C~121°C (no deformation after high temperature sterilization when the cap is opened, while maintaining good transparency)
- © Available in sterilized and non-sterilized, sterilized by irradiation, SAL 10<sup>-6</sup>
- © DNase/RNase-free, Non-pyrogenic

## Micro Centrifuge Tubes

Cat. No.	Capacity(mL)	Color	Sterile	Qty.Per Box(Bag)/Case
CFT000005	0.5	Natural	N	1000/8000
CFT000015	1.5	Natural	N	500/400
CFT000020	2.0	Natural	N	500/4000
CFT022050	5.0	Natural	N	200/4000
CFT001005	0.5	Natural	Y	1000/8000
CFT001015	1.5	Natural	Y	500/4000
CFT001020	2.0	Natural	N	500/4000
CFT002050	5.0	Natural	Y	200/4000
CFT000050	5.0	Natural	N	180/1800
CFT023050	5.0	Blue	N	200/4000
CFT024050	5.0	Yellow	N	200/4000
CFT025050	5.0	Green	N	200/4000
CFT026050	5.0	Rose Red	N	200/4000
CFT002050	5.0	Black	N	200/4000
CFT010050	5.0	Yellow	N	250/2500
CFT001050	5.0	Natural	Y	180/1800
CFT013050	5.0	Natural	Y	60/1800
CFT003050	5.0	Blue	Y	200/4000
CFT004050	5.0	Yellow	Y	200/4000
CFT005050	5.0	Green	Y	200/4000
CFT006050	5.0	Rose Red	Y	200/4000
CFT021050	5.0	Black	Y	200/4000
CFT011050	5.0	Yellow	Y	200/4000

## Micro Centrifuge Tubes

Cat. No.	Capacity(mL)	Color	Bottom	Sterile	With Cap	Qty.Per Box(Bag)/Case
CFT002005	0.5	Natural	Conical	N	N	500/5000
CFT003005	0.5	Natural	Conical	Y	Y	500/5000
CFT004005	0.5	Natural	Self-standing	N	N	500/5000
CFT005005	0.5	Natural	Self-standing	Y	Y	500/5000
CFT005015	1.5	Natural	Conical	N	N	500/5000
CFT006015	1.5	Natural	Conical	Y	Y	500/5000
CFT007015	1.5	Natural	Self-standing	N	N	500/5000
CFT008015	1.5	Natural	Self-standing	Y	Y	500/5000
CFT002020	2.0	Natural	Conical	N	N	500/5000
CFT003020	2.0	Natural	Conical	Y	Y	500/5000

Cat. No.	Capacity(mL)	Color	Bottom	Sterile	With Cap	Qty.Per Box(Bag)/Case
CFT004020	2.0	Natural	Self-standing	N	N	500/5000
CFT005020	2.0	Natural	Self-standing	Y	Y	500/5000
CFT511020	2.0	Natural	Self-standing	Y	Y	500/5000
CFT511320	2.0	Blue	Self-standing	Y	Y	500/5000
CFT511420	2.0	Yellow	Self-standing	Y	Y	500/5000

## Lid Lock Micro Centrifuge Tubes

Made of transparent high polymer PP material - designed with a lid lock, the centrifuge tubes provide better sealability to protect samples, to avoid accidental opening of the cap and evaporation of samples during long-term storage, ensuring operating safety.

## Material

© Polypropylene (PP)

© Confirming to USP CLASS VI



## Features

- 4 volumes available: 0.5mL, 1.5mL, 2.0mL and 5.0mL; Different colors are provided for identification
- Sharp bottom, smooth, transparent tube and a clear scale, to facilitate volume reading
- The tube is designed with a frosted area to record experimental data
- Lid lock prevents accidental opening of cap and evaporation of samples during long-term storage, and ensures operating safety
- MAX RCF (max. relative centrifugal force) can reach 25,000xg
- Temperature range: -80°C~121°C (they will not deform after high-temperature sterilization, keep good transparency)
- Sterilized by irradiation, SAL 10<sup>-6</sup>
- DNase/RNase free, Non-pyrogenic

### Micro Centrifuge Tubes with Lid Lock

Cat. No.	Capacity(mL)	Color	Sterile	Qty.Per Box(Bag)/Case
CFT010005	0.5	Natural	N	1000/8000
CFT010015	1.5	Natural	N	500/4000
CFT020015	1.5	Brown	N	500/4000
CFT010020	2.0	Natural	N	500/4000
CFT011005	0.5	Natural	Y	1000/8000
CFT011015	1.5	Natural	Y	500/4000
CFT021015	1.5	Brown	Y	500/4000
CFT011020	2.0	Natural	Y	500/4000

### Black Micro Centrifuge Tubes with Lid Lock

Cat. No.	Capacity(mL)	Color	Sterile	Qty.Per Box(Bag)/Case
CFT030005	0.5	Black	N	1000/8000
CFT030015	1.5	Black	N	500/4000
CFT030020	2.0	Black	N	500/4000
CFT031005	0.5	Black	Y	1000/8000
CFT031015	1.5	Black	Y	500/4000
CFT031020	2.0	Black	Y	500/4000

### Micro Centrifuge Tubes with Lid Lock, Non-Sterile, 5mL

Cat. No.	Capacity(mL)	Color	Sterile	Qty.Per Box(Bag)/Case
CFT122050	5.0	Natural	N	200/4000
CFT123050	5.0	Blue	N	200/4000
CFT124050	5.0	Yellow	N	200/4000
CFT125050	5.0	Green	N	200/4000
CFT126050	5.0	Rose Red	N	200/4000
CFT127050	5.0	Black	N	200/4000
CFT110050	5.0	Yellow	N	250/2500
CFT112050	5.0	Black	N	250/2500

### Micro Centrifuge Tubes with Lid Lock, Sterile, 5mL

Cat. No.	Capacity(mL)	Color	Sterile	Qty.Per Box(Bag)/Case
CFT322050	5.0	Natural	Y	200/4000
CFT323050	5.0	Blue	Y	200/4000
CFT324050	5.0	Yellow	Y	250/2500
CFT224050	5.0	Yellow	Y	200/4000
CFT325050	5.0	Green	Y	200/4000
CFT326050	5.0	Rose Red	Y	200/4000
CFT327050	5.0	Black	Y	200/4000
CFT210050	5.0	Yellow	Y	250/2500
CFT212050	5.0	Black	Y	250/2500

## EasyFlip™ 1.5mL Micro Centrifuge Tubes

EasyFlip™ 1.5mL micro centrifuge tubes are made of high-quality polymer polypropylene (PP). These products are suitable for storage, operation and centrifugation of small amounts of samples, combined with pipettes for storage, operation and centrifugation of small amounts of liquid.

### Material

- Tube body: Polypropylene (PP)
- Tube cap: High density polyethylene (HDPE)
- Conforming to USP CLASS VI





## Features

- One hand easy flip to open the cap
- Frosted body surface provide easy and legible mark
- Strictly tested for leakage, with excellent sealing performance
- Maximum RCF up to 25,000xg
- Temperature range: -80°C~121°C
- Available in sterilized and non-sterilized; Sterilized by irradiation, SAL 10<sup>-6</sup>
- DNase/RNase-free, Non-pyrogenic

Cat. No.	Capacity(mL)	Sterile	Qty.Per Box(Bag)/Case
CFT002015	1.5	N	500/4000
CFT003015	1.5	Y	500/4000



## Lo-Protein™ Low Protein Binding Microcentrifuge Tubes

Lo-Protein™ low protein binding microcentrifuge tubes are optimized for protein analysis and are made of a special high-purity polypropylene material with no surface coating (e.g. silicized), which significantly reduces binding between samples and plastic surface, minimizing sample loss and ensuring maximum recovery of your precious samples and more accurate analysis results. The products are manufactured under strict quality control in accordance with ISO 9001 and ISO 13485 and are of stable quality. They can be used for the preparation or storage of a wide range of high quality and valuable samples, such as proteins, peptides, antibodies, cell suspensions, viral samples, etc.



## Material

- Tube body: Polypropylene (PP)
- Conforming to USP CLASS VI



## Features

- Special high purity polypropylene material significantly reduces binding of protein samples and tube walls, with protein recovery rates of over 90%.
- No surface coating (e.g. silicification), reducing interference with samples
- With the lid lock design, good sealing, minimize evaporation
- Temperature tolerance range: -80°C~121°C (no deformation after autoclaving with open lid)
- Max. centrifugal force RCF 25,000 xg for 1.5mL、2mL; Max. centrifugal force RCF 30,000 xg for 0.5mL
- Available in sterilized or non-sterilized, irradiation sterilized to SAL 10<sup>-6</sup>
- DNase/RNase free, pyrogen free, human DNA free, PCR inhibitor free
- Resealable bag packing (50 per bag) to reduce the risk of contamination

Cat. No.	Capacity(mL)	Maximum RCF(xg)	Sterilization	Qty.Per Bag/Box
CFT800005	0.5	30,000	N	50/400
CFT800015	1.5	25,000	N	50/400
CFT800020	2.0	25,000	N	50/400
CFT801005	0.5	30,000	Y	50/400
CFT801015	1.5	25,000	Y	50/400
CFT801020	2.0	25,000	Y	50/400

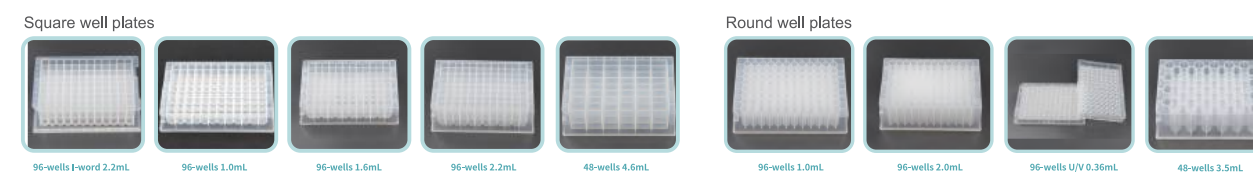
- Special Tips:
- This product is not recommended for long-term sample storage for samples containing benzene, benzyl alcohol, or chloroform solvents.
  - Re-autoclaving of sterilized low protein adsorption microcentrifuge tubes may result in yellowing of the materials but does not affect the usage for the products.
  - The package can be removed and opened for autoclaving sterilization for one time. Repeated autoclaving sterilization is not recommended.

## Deep-well Plates

As a commonly used lab consumable, the deep-well plate is generally used for DNA detection, high throughput reactions, storage and transfer of samples, and antibody titer detections. It has become popular in recent years as one of the main consumables for nucleic acid testing. Our deep-well plate is made of high polymer PP. Thanks to its excellent chemical compatibility, it can be used for a variety of laboratory reagents such as organic polarity solutions, as well as acid and alkaline solutions. Its appearance also conforms to SBS standards. The product can be used with a variety of automation instruments. In particular, the 96-round-well plates (1mL) can be used to combination with the magnetic bead kits.

## Material

- Plate body: Polypropylene (PP)
- Conforming to USP CLASS VI





## Features

- ◉ Stable chemical performance, excellent resistance to chemical corrosion and to high temperatures and pressure
- ◉ Even thickness of plate bottom and side well; smooth plate; no liquid leakage with a uniform well diameter
- ◉ Plates with alphanumeric and cutting corner markings to facilitate identification and operation
- ◉ The 96-well deep-well plate can be sealed using either a sealing membrane or a silicone pad
- ◉ Max. RCF: 3,000xg, with no damage or deformation
- ◉ Temperature range: -80°C~121°C
- ◉ Sterilized and non-sterilized versions are available
- ◉ DNase/RNase free, Non-pyrogenic

### Sample Storage

This product can replace the conventional 1.5mL centrifugal pipe for sample storage. It provides outstanding space savings, a large storage volume and a tidy arrangement, and is also suitable for refrigeration down to -80°C, hence it is also called a storage plate.

### Sample treatment

Supports high throughput operation of biological samples by working together with multichannel micro pipettors and high throughput automated liquid handing systems. This includes protein precipitation, liquid dispensing, and nucleic acid extraction, dramatically improving sample treatment efficiency.

### Sample handling

Suitable for use with various kinds of automation equipment; can be used for handling samples directly. In comparison to traditional sample handling methods, it can therefore increase sample quantity inside the sample chamber by a factor of 2, while also enabling direct sample handling after treatment on the 96-well plate. That reduces the overall workload for back-and-forth sample operations.

## 96-well Plate

Cat. No.	Capacity(mL)	Qty.well	Bottom	Lid	Sterile	Bag/Box
RWP102096	1	96	Round	N	N	24/96
RWP103296	1	96	Round	N	Y	5/50
RWP202096	2	96	Round	N	N	24/96
RWP203296	2	96	Round	N	Y	5/50
RWP102596	1	96	Round	Y	N	5/50
RWP103596	1	96	Round	Y	Y	5/50
RWP202596	2	96	Round	Y	N	5/50
RWP203596	2	96	Round	Y	Y	5/50
VWP032096	0.36	96	V Bottom	N	N	10/100
VWP033096	0.36	96	V Bottom	N	Y	10/100
UWP042096	0.4	96	U Bottom	N	N	10/100
UWP043096	0.4	96	U Bottom	N	Y	10/100
DMP160096	1.6	96	U Bottom	N	N	1/50
DMP161096	1.6	96	U Bottom	N	Y	1/50
DMP160196	1.6	96	U Bottom	Y	N	1/50
DMP161196	1.6	96	U Bottom	Y	Y	1/50
DMP220096	2.2	96	U Bottom	N	N	1/50
DMP221096	2.2	96	U Bottom	N	Y	1/50
DMP220196	2.2	96	U Bottom	Y	N	1/50
DMP221196	2.2	96	U Bottom	Y	Y	1/50
DMP220296	2.2	96	V Bottom	N	Y	1/50
DMP223296	2.2	96	Square	N	Y	5/50

## 48-well Plate

Cat. No.	Capacity(mL)	Qty.well	Bottom	Lid	Sterile	Bag/Box
RWP353248	3.5	48	Round	N	Y	5/50
RWP352548	3.5	48	Round	Y	N	5/50
RWP353548	3.5	48	Round	Y	Y	5/50
RWP463248	4.6	48	Square	N	Y	5/50

## Sealing Film

Cat. No.	Qty.well	Sterile	Qty.Per Bag/Box
DMP010096	96	N	50/1000
DMP011096	96	Y	50/1000

## Sealing Pad

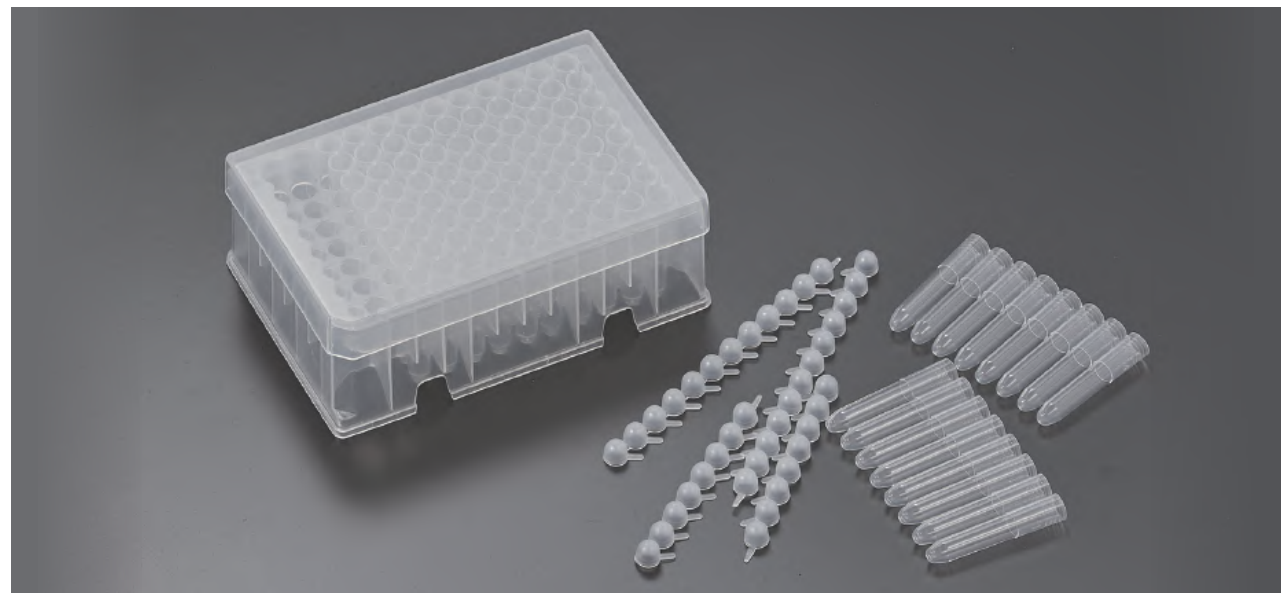
Cat. No.	Qty.well	Sterile	Qty.Per Bag/Box
DMP020096	96	N	50/100
DMP021096	96	Y	50/100

## Sample Library Tubes

The sample library tubes are disposable consumable products specially designed for the long-term storage of samples. They display excellent chemical stability and sealing performance, and are suitable for the long-term storage and low-temperature cryopreservation of samples such as serum, cells and tissues.

### Materials

- ◎ Tube body: polypropylene (PP)
- ◎ Cap: HTP
- ◎ Confirming to USP CLASS VI



### Features

- ◎ The tube body is made of transparent polypropylene with stable chemical properties
- ◎ Uniform wall thickness, smooth and transparent surface, easy to observe and operate
- ◎ With or without cap, single, 8-well strip 12-well strip and other specifications available as options to meet different experimental needs
- ◎ Clear alphabetical ordering and chamfered markings for easy identification, observation and manipulation of samples during collection and storage
- ◎ Temperature range: -80°C~121°C
- ◎ Sterilized by irradiation, SAL 10<sup>-6</sup>
- ◎ DNase/RNase free, Non-pyrogenic

Cat. No.	Capacity(mL)	Sterile	Description	Package	Qty.Per Bag(Rack)/Case
TUC000012	1.2	N	8-strip tube cap	Re-sealable Bag	125/1250
TUC000013	1.2	Y	8-strip tube cap	Re-sealable Bag	125/1250
TUC000014	1.2	N	8-strip tube cap	Re-sealable Bag	80/800
TUC000015	1.2	Y	8-strip tube cap	Re-sealable Bag	80/800

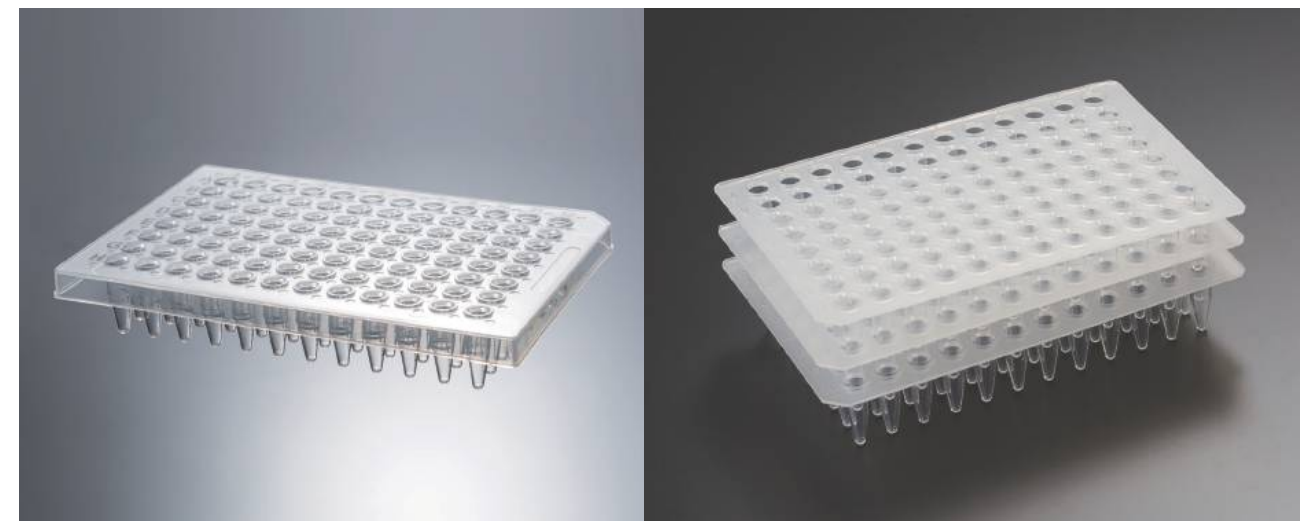
Cat. No.	Capacity(mL)	Sterile	Description	Package	Qty.Per Bag(Rack)/Case
TUB000012	1.2	N	8-strip tube	Re-sealable Bag	125/1250
TUB001012	1.2	N	12-strip tube	Re-sealable Bag	80/800
TUB002012	1.2	N	Individual tube	Re-sealable Bag	1000/10000
TUB003012	1.2	N	Individual tube	Rack	960/9600
TUB004012	1.2	Y	Individual tube	Rack	960/9600
TUB005012	1.2	N	8-strip tube	Rack	960/9600
TUB006012	1.2	Y	8-strip tube	Rack	960/9600
TUB007012	1.2	N	12-strip tube	Rack	960/9600
TUB008012	1.2	Y	12-strip tube	Rack	960/9600

## PCR Plates

PCR plates are primarily consumables for polymerase chain reactions (PCR). They are widely used in investigations of genetics, biochemistry, immunology, medicine and other fields. They are made of polypropylene (PP), which can better tolerate repeated high and low temperature changes during the PCR reaction process, and can also undergo high temperature and high pressure sterilization. The plate type conforms to the international SBS standard and can be adapted to PCR instruments from different manufacturers. According to its skirt design, it can be divided into three types: no skirt, half skirt and full skirt.

### Material

- ◎ Polypropylene (PP)
- ◎ Confirming to USP CLASS VI





## Features

- High quality medical grade polypropylene that is chemically inert, will not interfere or absorb reactive components, and can withstand rapid changes in temperature
- Ultra thin wall design for efficient heat transfer
- Row and column number identification, easy to distinguish between different reaction tube samples
- Three designs: non-skirted, semi-skirted, and fully skirted to suit different application needs
- High adaptability, compatible with various mainstream brands of PCR/qPCR instruments
- Available in sterilized and non-sterilized, sterilized by irradiation, SAL 10<sup>-6</sup>
- DNase/RNase free, non-pyrogenic

### Application Notes:

Non-skirted plate: suitable for most PCR machines or qPCR machines, but not suitable for automated applications.

Semi-skirted plate: can be adapted to labels or bar codes, and supports automatic application.

Fully skirted plate: best suited for automated laboratory applications, and can also handle labels and application bar codes. It has good mechanical strength and can be used in PCR machines with protruding modules.

Cat. No.	Capacity(mL)	Specification(well)	Skirted	Color	Sterile	Qty.Per Bag(Rack)/Case
PCR400096	0.2	96	Non-skirted	Natural	N	10/100
PCR410096	0.2	96	Semi-skirted	Natural	N	10/100
PCR420096	0.2	96	Fully skirted	Natural	N	10/100
PCR401096	0.2	96	Non-skirted	Natural	Y	10/100
PCR411096	0.2	96	Semi-skirted	Natural	Y	10/100
PCR421096	0.2	96	Fully skirted	Natural	Y	10/100
PCR500096	0.2	96	Non-skirted	White	N	10/100
PCR510096	0.2	96	Semi-skirted	White	N	10/100
PCR520096	0.2	96	Fully skirted	White	N	10/100

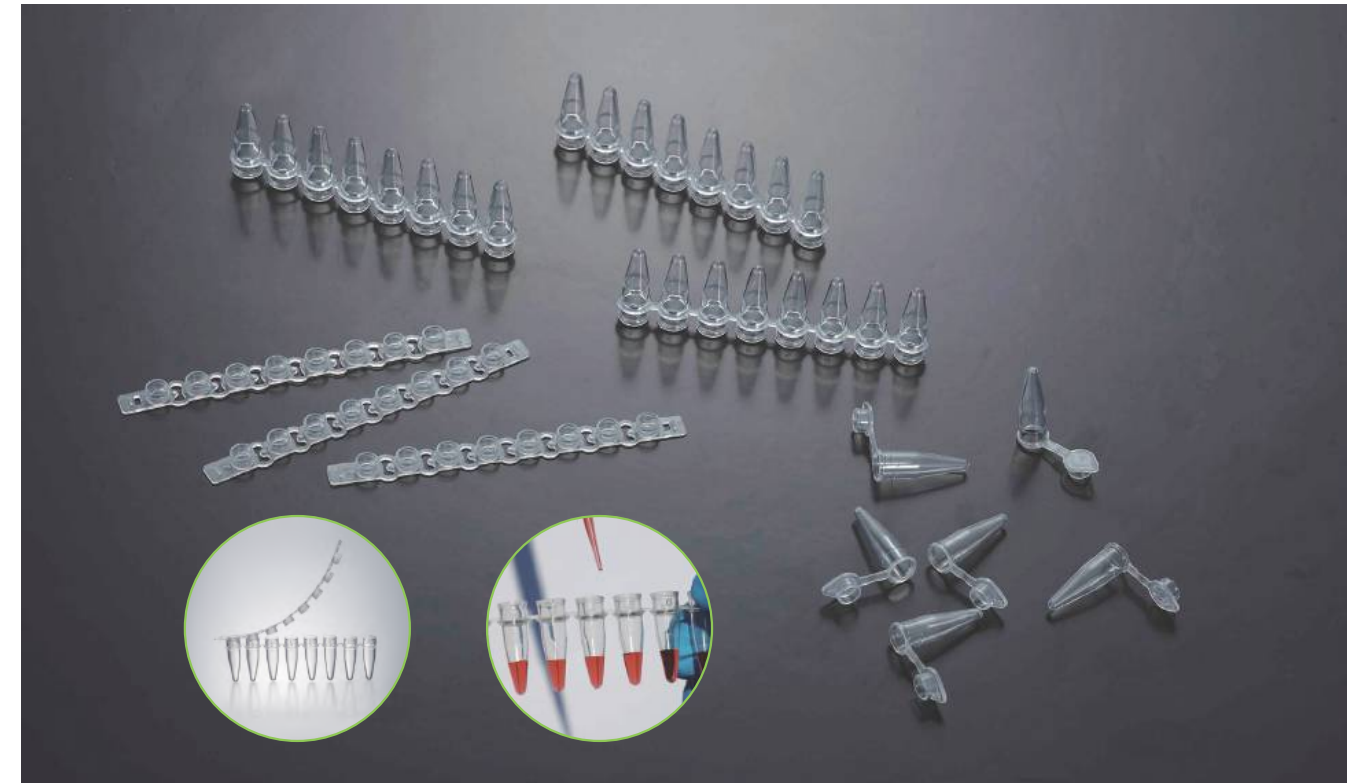
## PCR Tubes

The PCR tubes for PCR tests have a capacity of 0.2mL, and can be used as a carrier for primers involved in amplification reactions, Taq DNA polymerase, dNTPs, template nucleic acids, Mg<sup>2+</sup>, and buffers, especially for low to medium pass. For quantitative PCR/qPCR experiments, reaction tubes are the ideal choice.

### Material

© Polypropylene (PP)

© Confirming to USP CLASS VI



## Features

- 0.2mL, 8-tube strip/single tube, flat cap design
- High-quality medical grade polypropylene; corrosion-resistant, can be sterilized at high temperature and high pressure
- Ultra thin wall design for efficient heat transfer
- Anti-static, with good air tightness
- Sterilized by irradiation, SAL 10<sup>-6</sup>
- DNase/RNase free, non-pyrogenic

Cat. No.	Description	Color	Sterile	Qty.Per Box/Bag
PCR410200	0.2mL PCR Tubes with Flat Cap, Single	Natural	N	1000/10000
PCR420200	0.2mL PCR Tubes with Flat Cap, 8-tube strip	Natural	N	125/1250
PCR411200	0.2mL PCR Tubes with Flat Cap, Single	Natural	Y	1000/10000
PCR421200	0.2mL PCR Tubes Cap, 8-tube strip	Natural	Y	125/1250
PCR520200	0.2mL PCR Tubes with Flat Cap, 8-tube strip	White	N	125/1250

#### Ordering Information

Package in easy opening plastic bag and box

Every case has printed lot No. for quality traceability

## Reagent Reservoirs (PP)

Reagent reservoirs are made of transparent polypropylene (PP) for good chemical compatibility; support both automatic and manual operation. A variety of specifications are available, all of which meet the requirements of ANSI/SLAS 1-2004 microplate dimensions, and compatible with most automated systems.

### Material

◎ Polypropylene (PP)

◎ Confirming to USP CLASS VI



### Features

- ◎ Multiple capacities and well numbers can be selected for different experimental needs
- ◎ Rhombic well series: 96- or 384-well reagent reservoirs on the bottom, helping to minimize dead space volume
- ◎ Multi-channel reagent reservoirs are suitable for both 8-channel and 12-channel pipettes
- ◎ Uniform wall thickness and smooth, transparent surface for convenient observation and operation
- ◎ Product dimensions conform to SBS standards, highly adaptable and compatible with most of automation systems
- ◎ Treated by an electrostatic process and other techniques, no residue or wall clinging, minimizing liquid residue
- ◎ Available in sterilized and non-sterilized, sterilized by irradiation, SAL 10<sup>-6</sup>
- ◎ DNase/RNase free, Non-pyrogenic

Cat. No.	Capacity(mL)	Lid	Number of Wells	Sterile	Per/Box	Per/Box
RES082022	22	N	8	N	10	50
RES083022	22	N	8	Y	10	50
RES122015	15	N	12	N	10	50
RES123015	15	N	12	Y	10	50
RES962095	195	N	96	N	10	50
RES963095	195	N	96	Y	10	50
RES842085	185	N	384	N	10	50
RES843085	185	N	384	Y	10	50

## Reagent Reservoirs (PET)

Reagent Reservoirs(PET) are mainly used for holding transferred reagents, in cases where the same liquid may need to be transferred several times during the process. In particular, when a multi-channel pipettor or liquid-moving instrument is used, the process becomes easier when liquids are placed in the liquid transfer trough. This trough produced by Jet Biofil will remain stable and leave fewer residues. Users can easily remove liquids from multi-channel pipettes.



### Material

- ◎ Pet(Polyethylene terephthalate)
- ◎ Conforming to USP CLASS VI

### Features

- ◎ Made of high-quality polystyrene with excellent chemical stability
- ◎ Available in various specifications; suitable for use with multi-channel pipettors
- ◎ Clean and smooth surfaces
- ◎ Slightly tilted inner surface, helping to reduce residue
- ◎ Sterilized by irradiation, SAL 10<sup>-6</sup>
- ◎ DNase/RNase free, non-pyrogenic

Cat. No.	Capacity(mL)	Colour	Sterile	Qty. Per Bag/Case
LTT012025	25	white	Y	1/50
LTT052025	25		Y	5/100
LTT002025	25		N	100
LTT012050	50		Y	1/50
LTT052050	50		Y	5/100
LTT002050	50		N	100
LTT000050	50		N	20/400
LTT001050	50		Y	20/400
LTT010050	50		N	1/80
LTT011050	50		Y	1/80
LTT012100	100		Y	1/50
LTT052100	100		Y	5/100
LTT002100	100		N	100





Stock Code: 688026

## CellSafe™ GMP-grade life science consumables



### Biomedicine is booming, and it is urgent to improve the cleanliness grade of consumables

China's biomedical industry has entered a stage of rapid development, including antibodies, vaccines, recombinant proteins, cell therapy, gene therapy, etc. The approval policy of biomedicine has gradually been in line with international standards, and relevant policies, regulations and guiding principles have been accelerated in recent years. The quality requirements of consumables related to biological products are becoming more and more strict, including functional applicability research, biosafety research and biocompatibility research. Therefore, it is urgent to improve the cleanliness grade of consumables in biological laboratories!

### Rapid advance, rush into the future The GMP-grade life science consumables of JET BIOFIL are coming!

By mastering a number of key core technologies and advanced production processes for international leading biological laboratory consumables, JET BIOFIL has been committed to creative solutions to provide you with higher quality biotechnology research and development tools for more than 20 years. CellSafe™ series of GMP-grade life science consumables can meet the standard manufacturing and large-scale production of biological experimental consumables with higher cleanliness grade requirements for biopharmaceutical enterprises such as cell therapy, gene therapy, antibodies and vaccines or other clean laboratories.

## CellSafe™ GMP-grade Life Science Consumables

JET BIOFIL is always committed to providing you with higher quality products. CellSafe™ series GMP-grade bioscience consumables are manufactured in strict accordance with GMP standards, with high cleanliness, high safety, and medical triple bagged packaging, which can meet the needs of cell therapy, gene therapy, antibody, vaccine and other biopharmaceutical companies or other clean laboratories with higher cleanliness levels for biological laboratory consumables.

### Products

- Serological Pipets
- Cell and Tissue Culture Flasks
- CellFac® Multi-Layer Cell Culture Systems
- Centrifuge Tubes
- Cell and Tissue Culture Plates
- Erlenmeyer Flasks
- Conical Centrifuge Bottles
- Cell and Tissue Culture Dishes
- Vacuum Bottle Filters




### Features

- ISO 13485 (Medical device-Quality Management System) and ISO 9001 certification
- Production in class 100,000 (Partical class 10,000) GMP cleanroom , with full automatic production process
- U.S. FDA registered company (registration No.: 3011966385), obtained the EU CE record
- Made with USP CLASS VI medical-grade raw materials
- CNAS-certified laboratory, and the finished products are authoritatively tested by third-party testing institutions
- Independent triple bagged medical packaging, can be easily removed bag by bag, safe and convenient to use
- The smallest package of each product is marked with batch number, which is easy for quality traceability
- Sterility level up to SAL 10<sup>-6</sup>, DNase/RNase free, pyrogen free, non-cytotoxic





CellSafe™ Serological Pipets

	Cat. No.	Capacity(mL)	Graduation(mL)	Color code	Packaging	Sterile	Qty.Per Bag/Case
	CSP010005	5	1/10	Blue	Triple bagged packaging	Y	10/200
	CSP013010	10(stretch)	1/10	Orange	Triple bagged packaging	Y	10/200
	CSP010010	10	1/10	Orange	Triple bagged packaging	Y	10/200
	CSP010025	25	2/10	Red	Triple bagged packaging	Y	10/150
	CSP010050	50	5/10	Purple	Triple bagged packaging	Y	10/100


CellSafe™ Centrifuge Tubes

	Cat. No.	Capacity(mL)	Bottom	Maximum RCF (Xg)	Packaging	Sterile	Qty.Per Bag/Case
	CSP020015	15	Conical	12000	Triple bagged packaging	Y	25/500
	CSP020050	50	Conical	12000	Triple bagged packaging	Y	25/500


CellSafe™ Conical Centrifuge Bottles

	Cat. No.	Capacity(mL)	Bottom	Maximum RCF (Xg)	Packaging	Sterile	Qty.Per Bag/Case
	CSP020250	250	Conical	7500	Triple bagged packaging	Y	6/48
	CSP020500	500	Conical	6000	Triple bagged packaging	Y	6/36

CellSafe™ Cell and Tissue Culture Flasks

	Cat. No.	Capacity(mL)	Cell culture surface area(cm <sup>2</sup> )	Surface	Packaging	Sterile	Qty.Per Bag/Case
	CSP031250	250	75	TC treated	Triple bagged packaging	Y	1/40
	CSP031600	600	182	TC treated	Triple bagged packaging	Y	1/40
	CSP031225	850	225	TC treated	Triple bagged packaging	Y	1/24


CellSafe™ Cell and Tissue Culture Plates

	Cat. No.	Specification(well)	Well type	Recommended working volume of single well(mL)	Packaging	Sterile	Qty.Per Bag/Case
	CSP040006	6	Flat bottom	1.9-2.9	Triple bagged packaging	Y	10/100
	CSP040096	96	Flat bottom	0.0075-0.2	Triple bagged packaging	Y	10/100

CellSafe™ Cell and Tissue Culture Dishes

	Cat. No.	Surface	Diameter(mm)	Height(mm)	Recommended working volume (mL)	Packaging	Sterile	Qty.Per Bag/Case
	CSP050150	TC treated	150	22	25-50	Triple bagged packaging	Y	1/120

CellSafe™ CellFac® Multi-Layer Cell Culture Systems

	Cat. No.	Type	Surface area (cm <sup>2</sup> )	Working volume (mL)	Surface	Packaging	Sterile	Qty.Per Bag/Case
	CSP060005	5-layer	3216	650-1000	TC treated	Triple bagged packaging	Y	1/4
	CSP060010	10-layer	6416	1300-2000	TC treated	Triple bagged packaging	Y	1/2

CellSafe™ Erlenmeyer Flasks

	Cat. No.	Capacity(mL)	Flask material	Cap	Packaging	Sterile	Qty.Per Bag/Case
	CSP070125	125	PC	Vent	Triple bagged packaging	Y	1/24
	CSP070250	250	PC	Vent	Triple bagged packaging	Y	1/12
	CSP070500	500	PC	Vent	Triple bagged packaging	Y	1/12
	CSP070000	1000	PC	Vent	Triple bagged packaging	Y	1/12



Stock Code: 688026

## Others



In addition to biolaboratory consumables for cell culture, liquid handling and filtration, JET BIOFIL also provides more convenient and commonly used experimental instruments and consumables for the laboratories, including cuvettes, Petri dishes, loops, reservoirs, etc.

## ELISA Plates

As an important tool for ELISA (enzyme linked immunosorbent assay) experiments, ELISA plates are made of PS. Antigens, antibodies and biomolecules bind on the bottom surface hydrophobic and ionic bonds. The plates are mainly used in disease and food safety diagnosis.

The ELISA plates from Jet Biofil are made with internationally advanced surface treatment technologies and manufacturing processes for high polymer materials, and show stable protein-binding properties. They can be used as safe, reliable and effective carriers during ELISA experiments, and in conjunction with immune and genetically modified products, as well as for clinical diagnosis.

### Materials

◎ GPPS and HIPS (High Impact Polystyrene)

◎ Conforming to USP CLASS VI



### Features

- ◎ Unique surface treatment process for higher protein adsorption properties
- ◎ 2 binding forces available: High binding force (300~400ng/cm<sup>2</sup>), and moderate binding force (200~300ng/cm<sup>2</sup>)
- ◎ 8-well and 12-well strips are provided to match the ELISA plates and for better cost-effectiveness
- ◎ Designed with a flat bottom and divided into removable and non-removable structures, to satisfy different experimental applications
- ◎ Even well diameter and thickness, ensuring high experimental accuracy and repeatability
- ◎ Transparent plate, with a CV value <5%, higher measurement flexibility, widely used in colorimetric determination
- ◎ Clearly marked with letters and numbers, to distinguish the samples in different wells
- ◎ Dimensions conform to SBS international standards, and are stable for most brands of ELISA equipment
- ◎ Sterilized by irradiation, SAL 10<sup>-6</sup>
- ◎ DNase/RNase-free, non-pyrogenic

### High binding force ELISA plate

The plate undergoes surface treatment to increase protein binding force, up to 300~400ng/cm<sup>2</sup> (IgG); molecular weight of binding protein: >10kD. This type of ELISA plate can improve sensitivity and reduce the coing protein concentration and usage. If they were not present, the non-ionic detergent to fail to blocking the binding protein, nonspecific reactions could occur, meaning the protein would need to be used as a blocking agent.

### Moderate binding force ELISA plate

The ELISA plate binds with proteins through hydrophobic bonds on the surface, and is suitable for use as a solid phase carrier to macromolecule proteins with a molecular weight >20kD, protein binding capability is 200-300ng /cm<sup>2</sup>(IgG). As the ELISA plate only displays macromolecular binding, it is also suitable as a solid phase carrier for unpurified antibodies or antigens. Proteins or non-ionic detergents can be used as blocking liquid on these plates.

Type of ELISA Plate	Transmittance Variation (CV)	Binding Action	Sample Characteristics	Recommended Sealing Agent
High binding force plate 300 ~ 400ng/cm <sup>2</sup> (IgG)	<5.00%	Hydrophobic bond	Middle/macromolecular protein with positive charge >10kD	PBS containing 0.3% Tween 20, combination of 0.05% Tween 20 and 1%BSA
Moderate binding force plate 200 ~ 300ng/cm <sup>2</sup> (IgG)		Hydrophobic bond/ionic bond	Macromolecular protein >20KD	Detergent Tween 20 is used in combination with protein, BSA, skim milk and serum

Cat. No.	Well Qty.	Binding Capacity	Description	Qty.Per (Bag/Box)/Case
FEP100096	96 well	High Binding	Fixed Flat Bottom	10/200
FEP111096	96 well	High Binding	Detachable, 8x12	10/200
FEP101896	96 well	High Binding	Detachable, 8x12	10/200
FEP101296	96 well	High Binding	Detachable, 12x8	10/200
FEP100012	12 well	High Binding	Strip 12x8	40/1600
FEP100008	8 well	High Binding	Strip 8x12	60/2400
FEP200096	96 well	Medium Binding	Fixed Flat Bottom	10/200
FEP201896	96 well	Medium Binding	Detachable, 8x12	10/200
FEP201296	96 well	Medium Binding	Detachable, 12x8	10/200
FEP200012	12 well	Medium Binding	Strip 12x8	40/1600
FEP200008	8 well	Medium Binding	Strip 8x12	60/2400

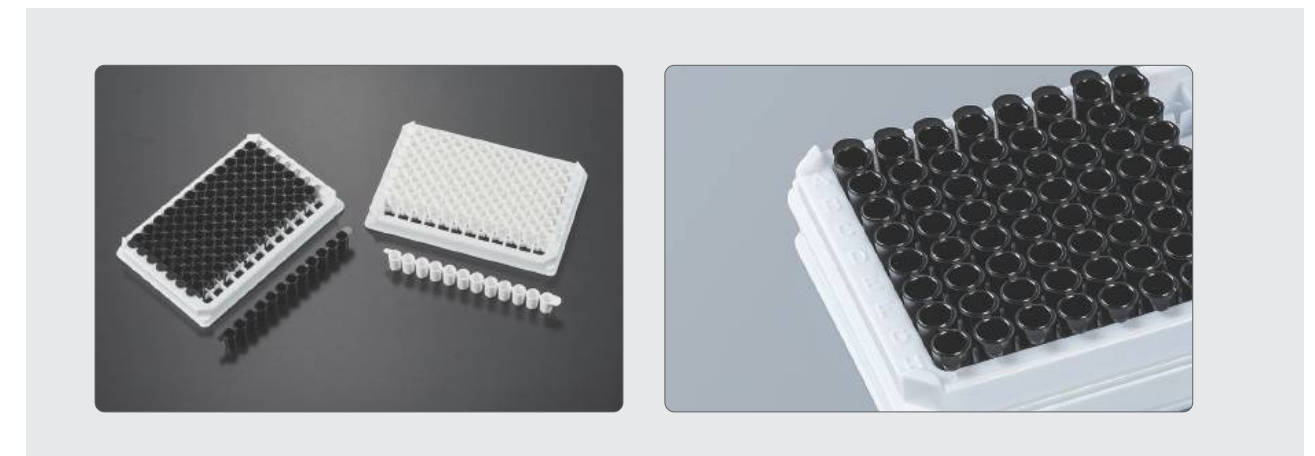
## Immuno Micro Plates

The opaque multiple plates are made of PS material, whose outstanding binding characteristics make them the ideal choice for colorimetric determination. These opaque plates are suitable for fluorescence and luminescence tests, with the black immuno-micro plate usually used for fluorescence experiments. The opaque black surface reduces background interference from auto fluorescence, inter pore interference, and "light scattering", providing improved sensitivity. The white opaque immuno-micro plate is perfect for the quantitative determination of bioluminescence or in other luminescence experiments. The immuno-micro plates support fast or continuous luminescence, providing improved measurement sensitivity.

### Materials

© GPPS and HIPS (High Impact Polystyrene)

© Conforming to USP CLASS VI



### Features

- Available in white and black, to satisfy the requirements of different experiments
- 8-well or 12-well strip tube, for flexible selection based on samples
- Coordinated location of alphanumeric markings, for simplified operation and identification
- Good adaptability, suitable for use with most types of equipment
- Easy to use: Single-well operation as easy as row operation, compatible with all common instruments
- White immuno-micro plates can reflect the light from luminescence reactions, ensuring reduced cross-contamination and low background effect
- The opaque black plate can reduce the background effect caused by auto-fluorescence and inter-pore interference
- DNase/RNase free, non-pyrogenic

Cat. No.	Well Qty.	Bottom	Specification	Colour	Qty.Per Bag/Case
LTP010296	96	Detachable	12 well strip x 8	White	10/200
LTP010896	96	Detachable	8 well strip x 12	White	10/200
LTP010248	48	Detachable	12 well strip x 4	White	10/400
LTP021296	96	Detachable	12 well strip x 8	Black	10/200
LTP021896	96	Detachable	8 well strip x 12	Black	10/200



## Petri Dishes

The petri dishes are one of the most basic lab items, and are used frequently in the field of microbiology. Petri dishes have a wide range of applications, including inoculation, scribing and bacterial separation.

### Materials

© Polystyrene (GPPS)

© Conforming to USP CLASS VI



### Features

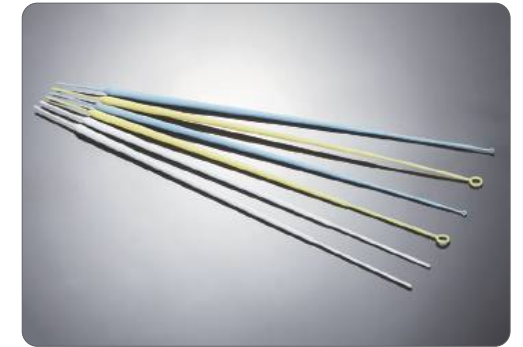
- © Different specifications available for a variety of specific lab requirements and demands
- © Made of top-quality polystyrene, with even thickness and a smooth surface
- © High transparency, facilitating optical observation
- © Sterilized by irradiation, SAL 10<sup>-6</sup>
- © DNase/RNase free, non-pyrogenic

Cat. No.	Diameter (cm)	Growth area (cm <sup>2</sup> )	Lid	Sterile	Qty. Per Bag/Case
MCD000035	3.5	8.5	Y	Y	10/960
MCD000060	6.0	21.2	Y	Y	10/600
MCD000070	7.0	36.3	Y	Y	10/600
MCD000090	9.0	58.4	Y	Y	10/500
MCD000150	15.0	143.0	Y	Y	1/120
MCD100150	15.0	143.0	Y	Y	5/100

Cat. No.	Diameter (cm)	SAL	Growth area (cm <sup>2</sup> )	Lid	Sterile	Qty. Per Bag/Case
MCD110090	9.0	10 <sup>-6</sup>	56.7	Y	Y	20/500
MCD111090	9.0	10 <sup>-6</sup>	56.7	Y	Y	10/500
MCD100090	9.0	10 <sup>-6</sup>	56.7	Y	Y	20/500

## Inoculating Loops and Needles

Inoculating loops and needles are a common laboratory tool used in microbiological testing. Jet Biofil inoculating loops and inoculating needles are made of polymer material polypropylene (PP), and feature a treated, hydrophilic surface.



### Materials

© Polypropylene (PP)

© Conforming to USP CLASS VI

### Features

- © Hydrophilic surface
- © Available in a variety of colors to distinguish loops and needles of different specifications: white 1.0μL inoculation needle, blue 10.0μL inoculation loop, in line with the semi-quantitative standards of the processed sample
- © Combination of inoculating loop and needle provides a dual-purpose function
- © The yellow product is an inoculation needle with a thin, soft, bendable needle barrel that can be used in narrow or special/shaped containers
- © Smooth ring edges to avoid damage to the medium surface
- © Available in sterilized or non-sterilized, irradiation sterilized, SAL 10<sup>-6</sup>
- © DNase/RNase free, non-pyrogenic

Cat. No.	Volume(μL)	Length(mm)	Color	Sterile	Qty. Per Bag/Case
DIL101001	1.0	228	Blue	Y	25/2000
DIL212001	1.0	228	Blue	Y	10/2000
DIL112001	1.0	228	Blue	Y	1/3000
DIL211001	1.0	228	Blue	Y	10/12000
DIL101010	10.0	228	Yellow	Y	25/2000
DIL212010	10.0	228	Yellow	Y	10/2000
DIL112010	10.0	228	Yellow	Y	1/3000
DIL211010	10.0	228	Yellow	Y	10/12000
DIL220001	-	228	White	Y	25/2000
DIL223001	-	228	White	Y	10/2000
DIL222001	-	228	White	Y	1/3000
DIL221001	-	228	White	Y	10/12000
DIL011001	1.0	218	White	Y	20/2000
DIL010001	1.0	218	White	N	20/2000
DIL111001	1.0	218	White	Y	1/3000
DIL011010	10.0	221	Blue	Y	20/2000
DIL010010	10.0	221	Blue	N	20/2000
DIL111010	10.0	221	Blue	Y	1/3000
DIL021001	-	221	Yellow	Y	20/2000
DIL020001	-	221	Yellow	N	20/2000

## Cuvettes

Cuvettes are a commonly consumable in spectral laboratory analysis. Jet Biofil cuvettes are made of transparent polymer polystyrene (PS) due to its good chemical compatibility, and can be used for the optical determination of most polar organic solutions, weak acid solutions and weak base solutions.



### Materials

- Polystyrene (GPPS)
- Conforming to USP CLASS VI

### Features

- Available as standard type and semi-micro type (spectral range: 400nm to 800nm, optical path: 10mm)
- Made of high-quality optical plastic with good chemical compatibility
- Thanks to precision optical processing technology, the optical performance error of the light transmission surface is  $\leq 0.3\%$
- Recessed window reduces the risk of scratches during use
- Matting surface provides an ideal labelling and operating area
- The semi-micro cuvette is marked by a light path arrow to ensure the consistency of projection directions

Cat. No.	Type	Volume (mL)	Recommended Working Capacity (mL)	Optical Path (mm)	Sterile	Per./Box
CUV010015	Semi-micro	1.50	1-2.5	10	N	100/1000
CUV010045	Standard	4.50	3-4	10	N	100/1000

## Graduated Urine Centrifuge Tubes

Graduated urine centrifuge tubes are mainly used for collecting and storing urine samples



### Materials

- PS, conforming to the requirements of USP CLASS VI.

### Features

- Smooth and transparent tube with clear and accurate scale
- Max. RCF: 1,500xg
- It has passed leakage test strictly
- DNase/RNase free, Non-pyrogenic

Cat. No.	Volume (mL)	Descriptions	RCF(xg)	Sterile	Per./Box
CFT418150	15	PS, plug seal cap	1500	N	1000/1000
CFT419150	15	PS, without cap	1500	N	100/1000
CFT420150	15	Graduated urine centrifuge cap	-	N	500/1000

## Latex powder-free gloves

These disposable examination gloves are used extensively in biological and medical experiments and examinations to not only protect operators' hands, it also prevents hand contamination due to contact



### Materials

- Latex

### Features

- Disposable latex examination gloves, powder-free, non-sterile
- Natural latex, high protection and flexibility in one
- High tensile strength, not easy to break, reduce glove loss
- Superior coating technology, the coating is not easy to fall off, blocking allergic factors, reducing sensitivity and enhancing wearing comfort

Cat. No.	Product Descriptions	Color	Size	Weight(g)	Packaging Mode (Box/Case)
GVL100101	Latex, powder-free, coating technique, full ramie cotton process	White	L	5.8	100/1000
GVM100102	Latex, powder-free, coating technique, full ramie cotton process	White	M	5.8	100/1000
GVS100103	Latex, powder-free, coating technique, full ramie cotton process	White	S	5.8	100/1000
GVS100104	Latex, powder-free, coating technique, full ramie cotton process	White	XS	5.8	100/1000
GVL110101	Latex, powder-free, coating technique, full ramie cotton process	Light Yellow	L	5.8	100/1000
GVM110102	Latex, powder-free, coating technique, full ramie cotton process	Light Yellow	M	5.8	100/1000
GVS110103	Latex, powder-free, coating technique, full ramie cotton process	Light Yellow	S	5.8	100/1000
GVS110104	Latex, powder-free, coating technique, full ramie cotton process	Light Yellow	XS	5.8	100/1000

## NBR Gloves

NBR gloves are used extensively in biological and medical experiments and examinations. They are the first choice for a variety of different experiments, as well as detailed inspections and examinations, providing a better fit while supporting more flexible operations. Hypoallergenic.



### Materials

- NBR

### Features

- Disposable NBR examination gloves, powder-free and non-sterile
- Thin and hypoallergenic, containing no allergenic latex proteins
- High degree of protection against acid, alkali, oil and chemicals
- Tough and elastic, with good impermeability
- Thin and flexible, able to improve sense of touch for both hands, economical and practical

Cat. No.	Product Descriptions	Color	Size	Weight(g)	Packaging Mode (Box/Case)
GVL200101	Butyronitrile, powder-free, rubber and fingertip ramie cotton surface	Blue	L	3.5	100/1000
GVM200102	Butyronitrile, powder-free, rubber and fingertip ramie cotton surface	Blue	M	3.5	100/1000
GVS200103	Butyronitrile, powder-free, rubber and fingertip ramie cotton surface	Blue	S	3.5	100/1000
GVS200104	Butyronitrile, powder-free, rubber and fingertip ramie cotton surface	Blue	XS	3.5	100/1000



### Disposable sampling tube

- Made of high-quality high molecular polypropylene (PP), the tube body is transparent, with no scale, good visibility, and can stand on the bottom
- It is designed with a conical bottom so that it is easy to pour and minimize the residue
- Spiral seal with unique structure design and manufacturing process prevents liquid leakage
- The size complies with the Technical Specifications for Detection of 2019-nCoV With Mixed Collection

### Preservation solution

- Purple preservation solution is easy to observe and identify
- Inactivated type without guanidine salt can effectively preserve RNA preservation and protect medical personnel
- No RNA enzyme, no DNA enzyme and no endotoxin
- Transport and store at room temperature; the pH value of the sample preservation solution is 9±0.5 at 25°C

### Sampling throat swab

- The high-quality flocking swab are conducive to rapid sampling and release
- The disposable throat swab is easy to handle, easy to break, and with no debris

Storage conditions : Store indoors; Shelf life: 18 months

Sample storage: 3 days at 37°C, 1 week at 25°C, 1 month at 4°C, long-term storage below -20°C

Cat. No.	Product Descriptions	Package
CYI003010	10mL sampling tube (10 in 1 standard tube) +6mL preservation solution, sterile	50 Pcs/Box, 24box/Carton
CYI002010	10mL sampling tube (10 in 1 standard tube) +3mL preservation solution,sterile; Sampling throat swab,no sterile	50 Pcs/Box, 1200 Pcs/Carton
CYI003030	30mL sampling tube (20 in 1 standard tube) +11-12mL preservation solution, sterile	20 Pcs/Box, 24 Box/Carton
CYS001001	Sampling throat swab	50 Pcs/Box, 9600 Pcs/carton
CYS001002	Sampling throat swab	100 Pcs/Box, 6000 Pcs/carton
CYS011001	Sampling throat swab	100 Pcs/Bag, 500 Pcs/Box,2000 Pcs/Carton

## Disposable Virus Sampling Tube

A disposable virus sampling tube is composed of a throat swab and a tube containing preservation solution, which can be used for sampling, transportation and storage of virus samples. The disposable virus sampling tube of Jet Bio-Filtration Co., Ltd complies with the "Technical Specifications for Detection of 2019-nCoV Nucleic Acids with 10 in 1 Mixed Collection " and "Technical Specifications for Detection of 2019-nCoV Nucleic Acids with 20-in-1 Mixed Collection", and is suitable for large-scale screening of 2019-nCoV detection.

[Medical Device Registration Certificate No./Product Technical Requirements No.]: YSXB No. 20201245

[Medical Device Production Registration Certificate No.]: YSSYJXSCB No. 20200254





Stock Code: 688026

## Biological Reagent



Adhering to providing innovative solutions and premier service and maximizing customer value, JET BIOFIL also provides a variety of high-quality and high-stability culture media, serum and auxiliary reagent products in addition to consumables to help you obtain reproducible and successful research results every day.

### Foetal Bovine Serum

Fetal Bovine Serum (FBS) is a light yellow, clear, non-hemolytic, foreign body-free, slightly viscous liquid. It is commonly added to cell culture media to promote and maintain the growth of cells in vertebrates, mammals, insects and other species. The FBS produced by Jet Bio-Filtration Co., Ltd is prepared from the blood of 8-month-old fetal calf of healthy pregnant cows, which is aseptically collected, separated and filtered. The product has high nutrient content, no mycoplasma, no bovine virus, no bacteriophage, and endotoxin content is less than 1EU/mL. It is suitable for cell, tissue and organ culture, cell line preservation, and monoclonal antibody development, and is one of the preferred media used by hospitals, scientific research colleges, vaccine and biopharmaceutical manufacturers.

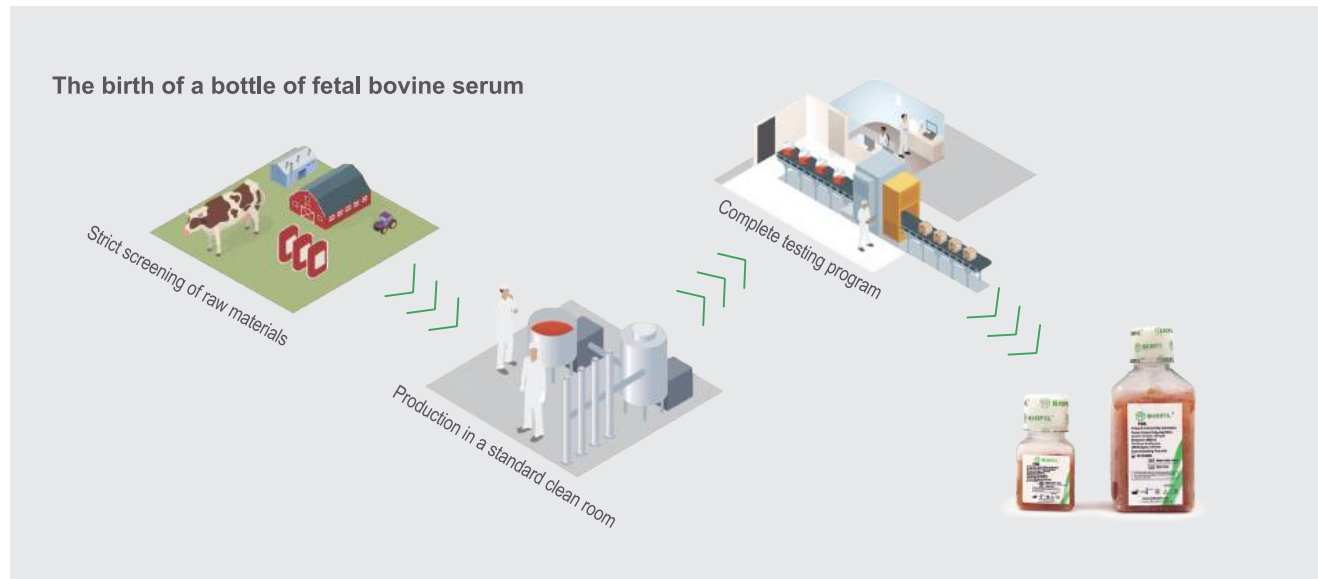
- ◉ Blood origin: Uruguay, China
- ◉ Origin: Guangzhou China
- ◉ Specifications: 100mL, 500mL
- ◉ Storage conditions: -15°C ~ -20°C
- ◉ Shelf life: 5 years



### Features

- ◉ FBS of Jet Bio-Filtration Co., Ltd is produced with strictly screened raw materials from selected high-quality, nationally approved blood origins in the world: Uruguay and China
- ◉ The blood source is stable, without cattle disease epidemic within 2 years, with the traceable source of serum, including the maternal health of the fetal calf.
- ◉ Strictly controlled production environment: Standard clean rooms, filling in 100-level local clean environment, low temperature control system.
- ◉ International advanced production technology and 0.1um filtration three times help achieve stable product performance and little difference between batches.
- ◉ With complete test indexes, the product has high nutrient content, no mycoplasma, no bovine virus, no bacteriophage, and endotoxin content is less than 1EU/mL.

### The birth of a bottle of fetal bovine serum



#### Detect items

Item	Quality Standard	Test Results	Item	Quality Standard	Test Results
Appearance	Light yellow, clear and transparent	Light yellow, clear and transparent	Sterility test	Negative	Negative
PH value	7.00-8.50	7.97	Mycoplasma	Negative	Negative
Protein content (g/L)	30-40	38.7	Coliphage	Negative	Negative
Endotoxin (Eu/ml)	≤5	≤5	Maximum proliferative concentration	≥10 <sup>6</sup> /ml	1.6x10 <sup>6</sup> /ml
Hemoglobin (ml/L)	≤200	140.4	Cell doubling time	Not more than 20h	17.8h
Osmotic pressure (mOs mol/kg)	250-330	287	Cell cloning rate	Not less than 70%	83.50%
All virus test results should be negative	Bovine diarrhea virus (BVDV)	Bovine adenovirus (BAV-3)	Bovine parvovirus (BPV)	Reovirus (RE0-3)	Bovine parainfluenza virus (PI-3)
	Negative	Negative	Negative	Negative	Negative
Storage conditions and validity period	-15°C to -20°C ; valid for 5 years from the date of production.				

Cat. No.	Description	Volume (mL)	Pcs / carton
FBS111025	Imported fetal bovine serum	25	50
FBS110100		100	50
FBS111500		500	20
FBS100025	Domestic fetal bovine serum	25	84
FBS100100		100	84
FBS101500		500	20
FBS101500	Imported newborn bovine serum	100	50
FBS131500		500	20

## Medium

A variety of different liquid cell culture mediums provided by Jet Bio-Filtration Co., Ltd meets the needs of daily experiments.



#### RPMI-1640 culture liquid RPM101640

It is a widely used medium at present that in the culture of mammalian and special hematopoietic cells, normal or malignant hyperplasia leukocytes and hybridoma cells. It is mainly used for suspension cell culture.

\* [+]2.0g/L Glucose [+]2.0g/L NaHCO<sub>3</sub> [+]3.0g/L HEPEs [+]2 mM L-Glutamine 500mL/bottle, 20 bottles/carton

\* Storage conditions: 2-8°C

#### DMEM high glucose DME101500

It is a widely used medium that can be used for many mammalian cell cultures and is more suitable for high-density suspension cell culture. It is suitable for clonal culture with poor adhesion but do not want it to detach from the original growth point, and can also be used for hybridoma cells and DNA transfected transformed cells culture.

\* [+]4.5g/L Glucose [+]2.5g/L NaHCO<sub>3</sub> [+]0.11g/L Sodium Pyruvate [+]3.0g/L HEPEs [+]2 mM L-Glutamine

\* 500 mL/bottle, 20 bottles/carton

\* Storage conditions: 2-8°C

#### DMEM low glucose DME102500

It is a widely used medium for many mammalian cell cultures. Low glucose medium is suitable for anchorage-dependent cell culture, especially for tumor cell culture with fast growth rate and poor adhesion.

\* [+]1.0g/L Glucose [+]2.5g/L NaHCO<sub>3</sub> [+]0.11g/L Sodium Pyruvate [+]3.0g/L HEPEs [+]2 mM L-Glutamine

\* 500 mL/bottle, 20 bottles/carton

\* Storage conditions: 2-8°C

#### DMEM/F12 DME103500

F12 medium has a complex composition and contains a variety of trace elements. It combines with DMEM in a 1:1 way, and called DMEM/F12 Medium. As the basis for the development of serum-free formula, it is suitable for mammalian cell culture under the condition of low serum content by taking advantage of the richer ingredients in F12 and the higher concentration of nutrients in DMEM. At present, DMEM/F12 is widely used in the basal culture of MDCK cells, neuroglia cells, fibroblasts, endothelial cells, rat fibroblasts and many other mammalian cells. At the same time, this medium is very suitable for clonal density culture, and has been widely used in the study of the effects of various hormones and growth factors in target tissues.

\* [+]3.15g/L Glucose [+]Pyridoxine Hydrochloride [+]1.2g/L NaHCO<sub>3</sub> [+]3.0g/L HEPEs [+]2 mM L-Glutamine

\* 500 mL/bottle, 20 bottles/carton

\* Storage conditions: 2-8°C

#### MEM MEM101500

MEM, the minimum essential medium, contains only 12 essential amino acids, glutamine and 8 vitamins, which is suitable for the growth of a variety of cell monolayers. It can be widely used for the culture of various established cell lines and mammalian cell types in different places. MEM is suitable for some special research cell culture work because it is easy to add or reduce certain components.

\* [+]Earle's balanced salt [+]1.0g/L Glucose [+]2.2g/L NaHCO<sub>3</sub> [+]3.0g/L HEPEs [+]2 mM L-Glutamine

- \* 500 mL/bottle, 20 bottles/carton
- \* Storage conditions: 2-8 °C

#### IMDM IMD100500

The culture liquid contains selenium, additional amino acids and vitamins, sodium pyruvate and HEPES, and replaces ferric nitrate with potassium nitrate. IMDM is a liquid rich in nutrients that can promote the growth of mouse B lymphocytes, LPS-stimulated B cells, bone marrow hematopoietic cells, T cells and lymphoma cells, and can also be used for rapid proliferation of high density cells.

- \* [+] $4.5\text{g/L}$  Glucose [+] $3.0\text{g/L}$   $\text{NaHCO}_3$  [+] $3.0\text{g/L}$  HEPES [+] $2\text{ mM}$  L-Glutamine
- \* 500 mL/bottle, 20 bottles/carton
- \* Storage conditions: 2-8 °C

## Insect Media

McCoy'S5a MCS100500 is mainly designed for the culture of sarcoma cells.

TC-100 TC100500 is suitable for culturing most lepidopteran cell lines.



#### McCoy'S5a MCS100500

It is mainly designed for the culture of sarcoma cells, and can support the growth of a variety of primary grafts (such as bone marrow, skin, lung and spleen, etc.). In addition to culture of general primary cells, it is mainly used for tissue biopsy culture, some lymphocyte culture, and as the growth support of some difficult-to-culture cells, such as Jensen rat sarcoma fibroblasts, human lymphocytes, HT-29, BHL-100 and other epithelial cells.

- \* [+] $1\text{g/L}$  Tryptone [+] $3.0\text{g/L}$  Glucose [+] $2.2\text{g/L}$   $\text{NaHCO}_3$  [+] $3.0\text{g/L}$  HEPES [+] $2\text{ mM}$  L-Glutamine
- \* Storage conditions: 2-8 °C
- \* 500mL/bottle, 20 bottles/carton

#### TC-100 TC100500

Insect culture medium is with pH value of 6.0-6.4 and osmotic pressure of 345-380 mOsm/kg, and suitable for culturing most lepidopteran cell lines.

- \* [+] $1.0\text{g/L}$  Glucose [+] $0.5\text{g/L}$  HEPES [+] $0.35\text{g/L}$   $\text{NaHCO}_3$  [+] $2\text{ mM}$  L-Glutamine
- \* Storage conditions: 2-8 °C
- \* 500mL/bottle, 20 bottles/carton

## Supplementary Reagents

Jet Bio-Filtration can provide a wide range of high quality cell culture auxiliary reagents, including PBS buffer, pancreatic enzymes, double antibodies, etc., to meet the needs of daily experiments.



#### PBS 1X PBS000001

PBS (phosphate buffered saline, 0.01M) can maintain the pH range (PH 7.2-7.4) required by tissue cells, which is widely used in cell culture applications, such as washing cells, dilution of cells and preparation of reagents during cell counting, etc.

Main ingredients:  $3.49\text{g/L}$   $\text{Na}_2\text{HPO}_4 \cdot 12\text{H}_2\text{O}$ ;  $0.2\text{g/L}$   $\text{KH}_2\text{PO}_4$ ;  $0.2\text{g/L}$  KCl

\* [-]Calcium [-]Magnesium [-]Phenol Red

\* Storage conditions: 2-8 °C

#### Pancreatin PCT000500 /PCT000100

It is widely used for dissociation of tissues and monolayer cells.

\* 0.25% Trysin-0.02%EDTA

\* Storage conditions: -20 °C

#### Double antibody (penicillin-streptomycin mixture) 100X/500X

\* 100mL, double antibody (penicillin-streptomycin mixture) 100X

\* 500mL, double antibody (penicillin-streptomycin mixture) 500X

\* Storage conditions: -20 °C

Cat. No.	Description	Package
PBS000001	PBS 1X, Storage conditions: 2-8 °C	500mL/bottle, 20 bottles/carton
PCT000500	Trypsin-EDTA (0.25%, Calcium/ Magnesium- free, phenol red), Storage conditions: -20 °C	500mL/bottle, 20 bottles/carton
PCT100500	Trypsin (EDTA-free, calcium and magnesium, phenol red), Storage conditions: -20 °C	500mL/bottle, 20 bottles/carton
PCT000100	Trypsin -EDTA (0.25%, Calcium/ Magnesium- free, phenol red) Storage conditions: -20 °C	100mL/bottle, 30 bottles/carton
DAB000100	100mL, double antibody (penicillin-streptomycin mixture) 100X, Storage conditions: -20 °C	15PCs/box,30PCs/carton
DAB020500	500mL, double antibody (penicillin-streptomycin mixture) 500X, Storage conditions: -20 °C	20 PCs/carton



# Laboratory Equipment



JET BIOFIL laboratory equipment includes laboratory water system (Puro, Geno, Alto, and Pico), CO<sub>2</sub> incubators, laboratory equipment (microcentrifuges, mixers, magnetic stirrers, multifunctional shakers, etc.), automated nucleic acid extraction workstations, biosafety cabinets, etc.

Centrifuge series			
	Mixers		

Mixers



Digital Vortex Mixer with Microprocessor & Brushless Motor VM 28



Fixed Speed Blood Roller Mixer TR 4D



Digital Tube Roller with Microprocessor & Brushless Motor TR 6D/TR 10D



迷你混匀仪 VM 45MVM 45



Blood Tube Rotator DR 24



Digital Bottle Roller TR3D/TR5D

Micro Pipettors



JetPip™ Plus Pipet Controller



Dispenser



JetPip™ Pipet Controller



Micro Volume Pipettor



Multichannel Micro Pipettor

Stirrer series



5 / 10 / 15 Station Heated Magnetic Stirrer with Microprocessor & Brushless Motor MS HP5M/MS HP10M/MS HP15M



Multistation Motorless Ultra Thin Magnetic Stirrer MS 5M/MS 10M/MS 15M



Motorless Slim Magnetic Stirrer MS Uno

Stirrer series



Multistation Motorless Ultra Thin Magnetic Stirrer MS 4M



Magnetic stirrer MS 2SL/MS 50L/MS-200L



Hot Plate Magnetic Stirrer MS HP550D



Hot Plate Magnetic Stirrer MS HP320D

Laboratory Water



Pure Water For Your Laboratory-Pico



Alto Ultrapure Type (I Water)



Puro Primary Grade Type (III Water)



Duo Dual Quality Type II and Type I Water



Geno Laboratory Grade Type (II Water)

Cell@ 188 CO<sub>2</sub> Incubator



CO<sub>2</sub> Incubator

FASTRER



Faster

## JetPip™ Plus Pipet Controller

### Features

- Intuitive and convenient speed adjustment simply done with the tips of your fingers
- Lightweight, well-balanced and ergonomic design that allows for fatigue-free pipetting
- Vibrant backlit LEDs provide optical feedback of the remaining battery life and speed settings
- Lithium polymer rechargeable battery offers long cordless runtime
- Smooth setting of pump speed
- Operation while recharging is possible
- Compatible with most of the plastic and glass pipettes from 0.1-100mL
- Powerful pump fills a 25mL pipette in <5 seconds
- Quick release of aspirating cone for easy exchange of membrane filters



Cat. No.	Voltage	Charger type	Qty.Per Box
SPA410220	Universal	0.1-100mL	1

## JetPip™ Pipet Controller

Pipet Controller is high technical and exact assistant devices of common 1 to 50mL plastic or glass pipets.

### Features

- Light weight and cordless for convenient use. If handled correctly, the device itself will not touch with any liquid.
- The aspirating or dispensing speed of the pump can be controlled by the pump speed switch.
- Constructed with recyclable materials.
- Long life and environmentally friendly with up to 8 hours rechargeable continuous electric power.
- The filter with hydrophobic membrane assembled in aid can provide contamination free liquid handling.



Pipet Controller

Cat. No.	Voltage	Charger Type	Qty.Per Box
SPA001220	Universal	1.0~50.0mL	1
SPA003220		1.0~50.0mL	1
SPA004220		1.0~50.0mL	1

Fittings

Cat. No.	Name	Charger Type	Qty.Per Box
SPA010020	Filter(0.20µm hydrophobic membrane)	---	5
SPA010045	Filter(0.45µm hydrophobic membrane)	---	5
SPA020220	Charger	USA	1
SPA030220	Charger	UK	1
SPA040220	Charger	EU	1

## Multichannel Micro Pipettor

### Features

- Soft smart finger-grip of TPE
- Easily removable & fully autoclavable manifold
- Manifold can rotate 360° for easy right or left hand operation
- One had tip ejection
- Consistent sample loading
- Soft force tip loading and ejection
- Leak free sealing of tip
- Attractive color coding
- Compatible with most types of tips
- Calibration report enclosed with every pipette



Cat. No.	Range (µL)	Increment (µL)	Measure the Volume (µL)	8 Channel Micro Pipettors			
				Accuracy		Precision	
				%	µL	%	µL
SPA008050	5-50	0.5	50	1	0.5	0.7	0.35
			25	1.50	0.375	1	0.5
			5	3.00	0.15	2	0.1
SPA008100	10-100	1	100	1.00	1	0.5	0.5
			50	1.00	0.5	0.5	0.25
			10	1.50	0.15	0.75	0.075
SPA008200	20-200	1	200	0.70	1.4	0.25	0.5
			100	1.00	1.0	0.4	0.4
			20	1.50	0.3	0.75	0.15
SPA008300	30-300	1	300	0.80	2.4	0.25	0.75
			150	1.00	1.5	0.50	0.75
			50	1.50	0.75	0.75	0.375



12 Channel Micro Pipettors							
Cat. No.	Range (µL)	Increment (µL)	Measure the Volume (µL)	Accuracy		Precision	
				%	µL	%	µL
SPA012010	0.5 - 10	0.1	10	1.5	0.15	1.5	1.5
			5	2.5	0.125	2.5	0.125
			1	4	0.4	4	0.4
SPA012050	5-50	0.5	50	1	0.5	0.7	0.7
			25	1.5	0.375	1	0.25
			5	3	0.15	2	0.1
SPA012100	10-100	1	100	1.00	1	0.50	0.5
			50	1.00	0.5	0.50	0.25
			10	1.50	0.15	0.75	0.75
SPA012200	20-200	1	200	0.7	1.4	0.25	0.5
			100	1	1	0.4	0.4
			20	1.5	0.3	0.75	0.15
SPA012300	30-300	1	300	0.80	2.4	0.25	0.75
			150	1.00	1.5	0.50	0.75
			50	1.50	0.75	0.75	0.375

Variable Volume Pipette							
Cat. No.	Range (µL)	Increment (µL)	Measure the Volume (µL)	Accuracy		Precision	
				%	µL	%	µL
SPA200125	0.1-2.5	0.01	2.5	2.50	0.0625	1.60	0.04
			1.25	3.00	0.0375	3.00	0.0375
			0.25	12.00	0.03	6.00	0.015
SPA200510	0.5-10	0.1	10	1.00	0.1	0.80	0.08
			5	2.00	0.1	1.00	0.05
			1	2.50	0.025	1.50	0.015
SPA200220	2-20	0.5	20	0.90	0.18	0.40	0.08
			10	1.50	0.15	1.00	0.1
			2	3.00	0.06	2.00	0.04
SPA200550	5-50	1	50	0.60	0.3	0.30	0.15
			25	0.80	0.2	0.40	0.1
			5	2.00	0.1	2.00	0.1
SPA210100	10-100	0.5	100	0.80	0.8	0.15	0.15
			50	1.00	0.5	0.50	0.25
			10	3.00	0.3	1.50	0.15
SPA220200	20-200	1	200	0.60	1.2	0.15	0.3
			100	0.70	0.7	0.30	0.3
			20	2.00	0.4	0.80	0.16
SPA211000	100-1000	5	1000	0.60	6	0.20	2
			500	1.00	5	0.40	2
			100	2.00	2	0.70	0.7

## Micro Volume Pipettor

### Features

- Suitable for left and right handed user with a relaxed grip and a good balance
- Light & smooth plunger action
- Fully autoclavable
- UV resistant
- Resistance free click stop counter
- Larger digits
- Ergonomic design ensuring light weight & soft plunger movement.
- Easily accessible recalibration mechanism without any chance of accidental change in calibrator
- Calibration conform to DIN 12650 & EN-ISO 8655 standards ensuring high accuracy & precision.



Fix Volume Pipette							
Cat. No.	Range (µL)	Increment (µL)	Measure the Volume (µL)	Accuracy		Precision	
				%	µL	%	µL
SPA100005	5	-	5	1.3	0.065	1.2	0.06
SPA100010	10	-	10	0.8	0.08	0.8	0.08
SPA100050	50	-	50	0.5	0.25	0.3	0.15
SPA100100	100	-	100	0.5	0.5	0.3	0.3
SPA100500	500	-	500	0.3	1.5	0.2	1.0
SPA101000	1000	-	1000	0.3	3.0	0.15	1.5

