

# PRODUCT CATALOG

Reagents & Consumables



## Company Profile

Labgic technology is an innovative enterprise engaged in developing and sales of laboratory products. Since established, we are dedicated to provide premium products and service, consistent to the finest standards in this field.

For nearly two decades, we have gained enormous amount of knowledge and experiences in life science area. Especially after the integration of excellent resources such as technology, products, storage and marketing channels, we had established good reputation in China. Biosharp, Labselect and Labgic are three brands under Labgic company, which belong to different categories in laboratory products. Diverse products and services make our products acknowledged and accepted by more and more users. We, Labgic, will continue to adhere to customer demand as the core to provide one-stop service for different types of customers and deliver high-quality service and strong support for our partners.



**Warehouse Space**  
100000+ m<sup>2</sup>

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**Product Range**  
Reagents Consumables Instruments  
Biosharp Labselect Labgic

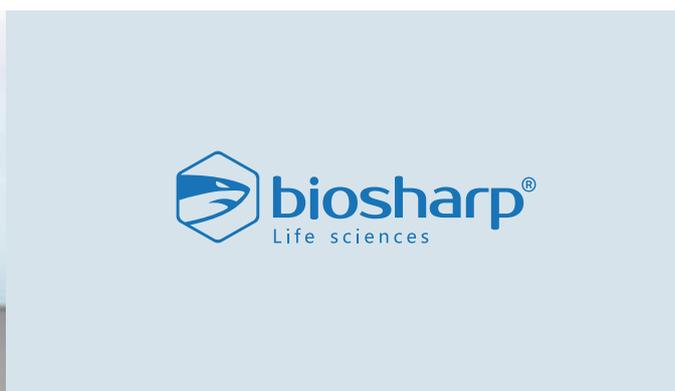
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**Invoices per day**  
10000+  
Daily order quantity

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**Staff**  
400+

 **Our Brands**





Life sciences  
**biosharp**<sup>®</sup>

## INTRODUCTION

Biosharp is the brand launched by Labgic in 2012. The product range covers general labware and basic ready-to-use solutions mainly for Life Science.

With nearly 10 years of steady development, Biosharp now has its own elite R&D team, products cover molecular biology, cell biology, proteomics, immunology, microbiology, and other fields. The customer groups are covering the whole nation, mainly for researchers in universities, enterprises, research institutes, chemical enterprises, medical institutions etc.

Biosharp has always been adhering to the concept of "Quality First, Service First". With millions of times of sincere communication with customers, and stable quality control system, Biosharp has achieved a leading position for laboratory consumables and basic reagents in the market. Biosharp will keep providing higher-quality products and more professional technical services for scientific research, and aim to be a top-ranking supplier of life science products.

# BIOSHARP CATALOG



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# BIOHARP CATALOG



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# BIOSHARP CATALOG



## 12. General Labware

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# Liquid Handling



Universal Pipette Tip  
Rack Pack Pipette Tip  
Gel Loading Pipette Tip  
5mL/10mL Pipette Tip  
Pipette Tip Rack  
Pasteur Pipette  
Reagent Reservoir  
Universal Pipette Stand

## Universal Pipette Tip

Biosharp Universal Pipette Tips are designed to fit a wide variety of single and multi-channel pipettes. They are compatible with most research grade pipettes. They are classified by sample volume, autoclavable and can be easily distinguished by color.

A-01



- Manufactured from high-quality polypropylene material
- Diverse product range
- Excellent compatibility
- Easily distinguished by color
- Autoclavable
- Bulk pack
- Non-sterile



### Ordering information

Cat.No.	Type	Color	Vol. (µL)	Packaging
BS-10-T	Bulk Pack	Clear	10	1000pcs/bag, 40bags/case
BS-200-T	Bulk Pack	Yellow	200	1000pcs/bag, 20bags/case
BS-1000-T	Bulk Pack	Blue	1000	500pcs/bag, 20bags/case
BS-1250-T	Bulk Pack	Blue	1250	500pcs/bag, 10bags/case
BS-T-RN-250	Bulk Pack	Clear, for RAININ	250	1000pcs/bag, 10bags/case
BS-T-RN-1000	Bulk Pack	Clear, for RAININ	1000	1000pcs/bag, 10bags/case

## Rack Pack Pipette Tip

Biosharp Rack Pack Pipette Tips are designed to fit a wide variety of single and multi-channel pipettes. They are compatible with most research grade pipettes. They are packaged in sealed-bottom racks with lids to prevent contamination and in sterilized form.

- Manufactured from high-quality polypropylene material
- Excellent compatibility
- Rack pack
- DNase-/RNase-free
- Nonpyrogenic
- Sterile



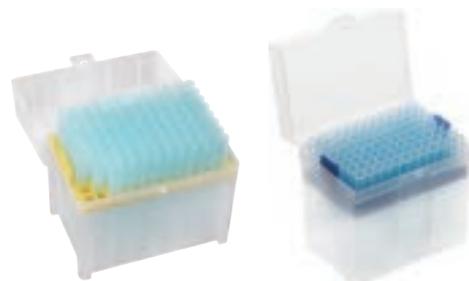
BS-10-TRS

BS-RT-10



BS-200-TRS

BS-RT-200



BS-1000-TRS

BS-RT-1250

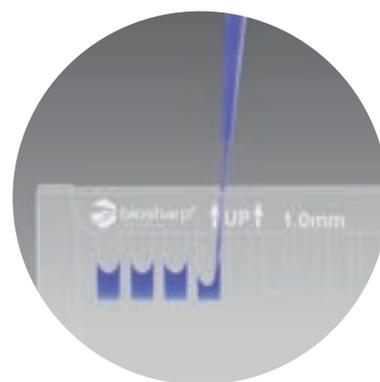
### Ordering information

Cat.No.	Type	Color	Capacity (µL)	Packaging
BS-10-TRS	Racked	Clear	10	96 tips/rack, 10 racks/unit, 5 units/case
BS-RT-10	Racked	Clear	10	96 tips/rack, 10 racks/unit, 5 units/case
BS-200-TRS	Racked	Yellow	200	96 tips/rack, 10 racks/unit, 5 units/case
BS-RT-200	Racked	Yellow	200	96 tips/rack, 10 racks/unit, 5 units/case
BS-1000-TRS	Racked	Blue	1000	96 tips/rack, 10 racks/unit, 5 units/case
BS-RT-1250	Racked	Blue	1250	96 tips/rack, 10 racks/unit, 5 units/case
BS-RT-RN-1000	Racked	Clear, for RAININ	1000	96 tips/rack, 10 racks/unit, 5 units/case

## Gel Loading Pipette Tip

Biosharp Gel Loading Pipette Tips are manufactured from high-quality polypropylene material and facilitate precision sample loading into gels. Clear polypropylene tips include long, thin capillary sections. Useful for a wide variety of sample loading applications such as protein separation and other gel loading applications.

- Manufactured from high-quality polypropylene material
- Standard 96 tip format is multi-channel friendly
- Universal fit for most research-grade pipettes
- DNase-/RNase-free
- Nonpyrogenic
- Non-sterile



A-02



**biosharp**  
life sciences

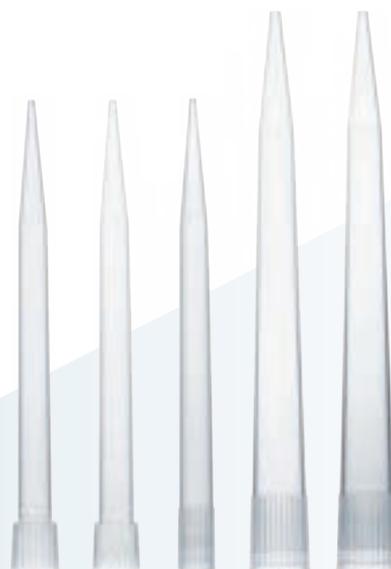
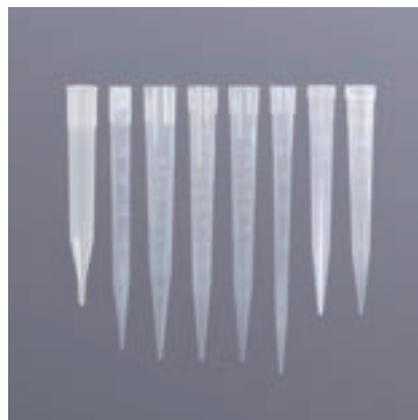
### Ordering information

Cat.No.	Description	Packaging
BS-200-GT	200µL Gel loading pipette tips, rack pack	96 tips/rack, 50 racks/case
BS-200-GTB	200µL Gel loading pipette tips, bulk pack	1000tips/bag, 10bags/case

## 5mL / 10mL Pipette Tip

Biosharp 5mL and 10mL Pipette Tips are made of high-quality polypropylene material. They are compatible with most research grade pipettes. It is widely used in the transfer of various liquids in laboratories. The 5mL and 10mL large range series are suitable for large volume pipettes. They are ideal for laboratory liquid handling applications.

- Manufactured from high-quality polypropylene material
- Excellent compatibility
- Autoclavable
- Bulk Pack
- Non-sterile



### Ordering information

Cat.No.	Description	Packaging
BS-5000-TS	5000µL Pipette tips, compatible with Thermo Finnpipette, Brand	50pcs/bag, 20bags/case
BS-5000-TL	5000µL Pipette tips, compatible with Eppendorf, Sartorius, DLAB	50pcs/bag, 20bags/case
BS-5000-TL-B	5000uL Pipette tips, compatible with Eppendorf, DLAB	200pcs/bag, 10bags/case
BS-5000-TG	5000µL Pipette tips, compatible with Gilson	50pcs/bag, 20bags/case
BS-5000-TN	5000µL Pipette tips, bulk pack, with graduation, 150mm, compatible with Thermo Finnpipette, Brand	50pcs/bag, 20bags/case
BS-5000-TWL	5000µL Pipette tips, bulk pack, with graduation, 174mm, compatible with Eppendorf, Sartorius, DLAB	50pcs/bag, 20bags/case
BS-5000-TWS	5000µL Pipette tips, bulk pack, with graduation, 130mm, compatible with Eppendorf, Sartorius, DLAB, Gilson	50pcs/bag, 20bags/case
BS-5000-TWR	5000µL Pipette tips, bulk pack, with graduation, 130mm, compatible with Gilson, Watson, RaininUNV	50pcs/bag, 20bags/case
BS-10000-TW	10mL Pipette tips, bulk pack, with graduation, compatible with Thermo Finnpipette	100pcs/bag, 20bags/case
BS-10000-TN	10mL Pipette tips, bulk pack, with graduation, compatible with Eppendorf, Gilson, DLAB, Brand	100pcs/bag, 20bags/case
BS-10000-TNR	10mL Pipette tips, bulk pack, with graduation, compatible with Eppendorf, Gilson, Sartorius, Brand, RaininUNV	100pcs/bag, 20bags/case
BS-10000-TE	10mL Pipette tips, compatible with Eppendorf, Gilson, Brand, DLAB	100pcs/bag, 20bags/case
BS-10000-TF	10mL Pipette tips, compatible with Thermo Finnpipette	100pcs/bag, 20bags/case

A-03



## Pipette Tip Rack

Biosharp Pipette Tip Racks are designed to fit a wide variety of pipette tips. 10µL, 200µL, 1000µL, 1250µL, 5mL and 10mL specification are available, compatible with most popular brands of pipette tips. Made of polypropylene (PP) material, lock clasp keeps the lid securely fastened, and easy for one-hand operation.

A-04



- Polypropylene material
- Safe and convenient
- Autoclavable
- Recyclable



BS-10-TB96



BS-200-TB96



BS-1000-TB60



BS-1000-TB116



BS-1000-TB100C



BS-1250-TB96

### Ordering information

Cat.No.	Description	Packaging
BS-10-TB96	Rack for 10µL tips, for 96 tips	50pcs/case
BS-200-TB96	Rack for 200µL tips, for 96 tips	50pcs/case
BS-1000-TB60	Rack for 1000µL tips, for 60 tips	50pcs/case
BS-1000-TB100C	Rack for 1000µL tips, for 100 tips	50pcs/case
BS-1000-TB116	Rack for 10µL, 48 tips, for 200µL, 48 tips, for 1000µL, 20 tips	116wells/pc
BS-1250-TB96	Rack for 1250µL tips, for 96 tips	50pcs/case
BS-5000-TB28	Rack for 5mL tips, for 28 tips, compatible with BS-5000-TG, BS-5000-TL	20pcs/case
BS-5000-TBS28	Rack for 5mL tips, for 28 tips, compatible with BS-5000-TS	20pcs/case
BS-5000-TBN	Rack for 5000µL tips, for 40 tips, compatible with BS-5000-TN	8pcs/box, 2boxes/case
BS-5000-TBW	Rack for 5000µL tips, for 24 tips, compatible with BS-5000-TWS, BS-5000-TWR, BS-5000-TWL	8pcs/box, 2boxes/case
BS-10000-TBW	Rack for 10mL tips, for 24 tips, compatible with BS-10000-TW	8pcs/box, 2boxes/case
BS-10000-TBN	Rack for 10mL tips, for 24 tips, compatible with BS-10000-TN, BS-10000-TNR	8pcs/box, 2boxes/case
BS-10000-TB15	Rack for 10mL tips, for 15 tips	20pcs/case
BS-10000-TB24	Rack for 10mL tips, for 24 tips	20pcs/case



BS-5000-TB28



BS-5000-TBS28



BS-5000-TBN



BS-5000-TBW



BS-10000-TBN



BS-10000-TBW

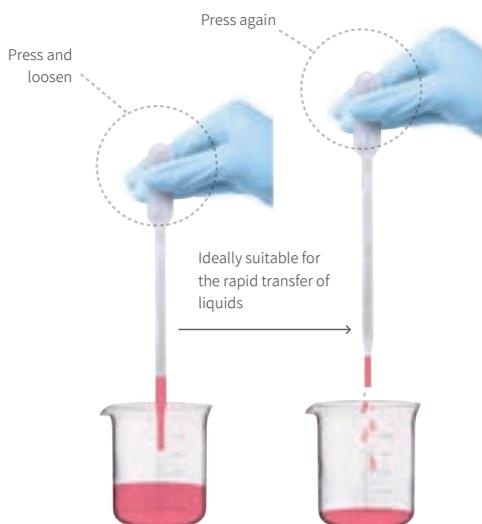


BS-10000-TB15



BS-10000-TB24

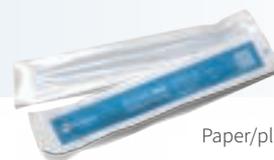
A-05



## Pasteur Pipette

Biosharp Disposable Pasteur Pipette are unbreakable, non-toxic all-in-one pipettes, designed to safely transfer and dispense liquids in all types of laboratories. Pasteur pipette are produced using an optimal blend of low-density polyethylene, allowing for highly controlled liquid dispensing. Ideally suited for the rapid transfer of liquids.

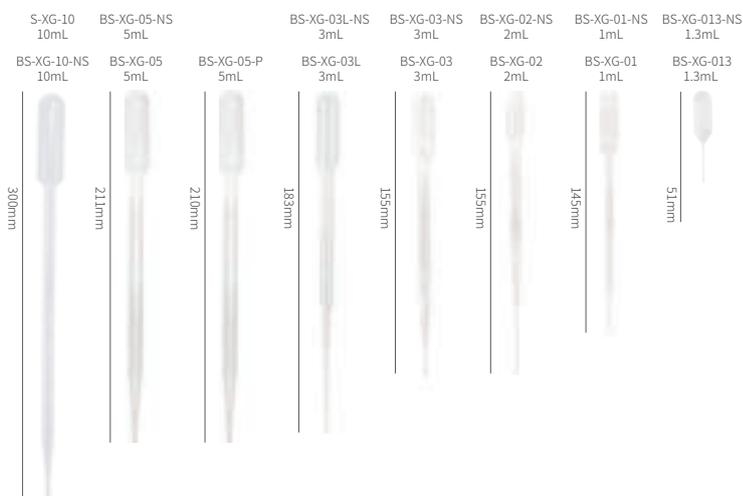
- Made of low-density polyethylene
- Ideally suitable for the rapid transfer of liquids
- Excellent transparency with clear graduations for easy observation
- Will not shatter or break
- Uniform drop size



Paper/plastic packed

### Ordering information

Cat.No.	Description	Length (mm)	Packaging
BS-XG-01	1mL Pasteur pipette, sterile, individual pack, paper/plastic packed	145	100pcs/unit, 10units/case
BS-XG-013	1.3mL Pasteur pipette, sterile, individual pack, paper/plastic packed	51	100pcs/unit, 10units/case
BS-XG-02	2mL Pasteur pipette, sterile, individual pack, paper/plastic packed	155	100pcs/unit, 10units/case
BS-XG-03	3mL Pasteur pipette, sterile, individual pack, paper/plastic packed	155	100pcs/unit, 10units/case
BS-XG-03L	3mL Long pasteur pipette, sterile, individual pack, paper/plastic packed	183	100pcs/unit, 10units/case
BS-XG-05	5mL Pasteur pipette, sterile, individual pack, paper/plastic packed	211	100pcs/unit, 6units/case
BS-XG-05-P	5mL Pasteur pipette, sterile, individual pack, plastic packed	210	100pcs/unit, 10units/case
BS-XG-10	10mL Pasteur pipette, sterile, individual pack, paper/plastic packed	300	50pcs/unit, 10units/case
BS-XG-01-NS	1mL Pasteur pipette, non-sterile	145	500pcs/unit, 10units/case
BS-XG-013-NS	1.3mL Pasteur pipette, non-sterile	51	1000pcs/unit, 10units/case
BS-XG-015-NS	1.5mL Pasteur pipette, non-sterile	104	1000pcs/unit, 10units/case
BS-XG-02-NS	2mL Pasteur pipette, non-sterile	155	500pcs/unit, 10units/case
BS-XG-03-NS	3mL Pasteur pipette, non-sterile	155	500pcs/unit, 10units/case
BS-XG-03L-NS	3mL Long pasteur pipette, non-sterile	183	500pcs/unit, 10units/case
BS-XG-05-NS	5mL Pasteur pipette, non-sterile	211	400pcs/unit, 10units/case
BS-XG-10-NS	10mL Pasteur pipette, non-sterile	300	250pcs/unit, 6units/case



Plastic packed

## Reagent Reservoir

Biosharp Reagent Reservoirs are ideal for the repetitive filling of multichannel pipettes, are designed to assist in repetitive liquid transfer and will accommodate all types of pipettes up to 12-channel width. The reservoirs were developed for ease of use. Angled design promotes funneling of liquid to maximize retrieval.

### Reagent Reservoir, Polystyrene

- Easy-to-use loading of multichannel pipettes
- A wide base provides stability and avoids spills
- “V” shaped well design allows maximum reagent recovery
- Chemically resistant
- Polystyrene reservoir are in sterile form, with graduations



BS-PS65-RR



Easy to read graduation markings located on the top edge with a fill line on inner walls to indicate



“V” shaped well design



Designed for multi-channel pipette accommodates most common brands



A wide base ensures stability

### Ordering information

Cat.No.	Description	Packaging
BS-PS5-RR	5mL Reagent reservoirs, sterile, individual pack	1pc/bag, 100bags/case
BS-PS5-RR5	5mL Reagent reservoirs, sterile	5pcs/bag, 40bags/case
BS-PS10-RR	10mL Reagent reservoirs, sterile, individual pack	1pc/bag, 100bags/case
BS-PS10-RR5	10mL Reagent reservoirs, sterile	5pcs/bag, 40bags/case
BS-PS25-RR	25mL Disposable, sterile, individual pack	1pc/bag, 100bags/case
BS-PS25-RR5	25mL Reagent reservoirs, sterile	5pcs/bag, 40bags/case
BS-PS50-RR	50mL Disposable, sterile, individual pack	1pc/bag, 100bags/case
BS-PS65-RR	65mL Reagent Reservoir, divided, sterile, individual pack	1pc/bag, 100bags/case
BS-PS65-RR5	65mL Reagent Reservoir, divided, sterile	5pcs/bag, 40bags/case
BS-PS100-RR	100mL Disposable, sterile, individual pack	1pc/bag, 100bags/case
BS-PS100-RR5	100mL Reagent reservoirs, sterile	5pcs/bag, 40bags/case



Individual package



### Reagent Reservoir, Polypropylene

- Polypropylene material
- Compatible with single or multi-channel pipettes
- Stackable
- Autoclavable



### Ordering information

Cat.No.	Description	Material	Packaging
BC015	Autoclavable, non-sterile	Polypropylene	10pcs/bag, 15bags/case



## Universal Pipette Stand

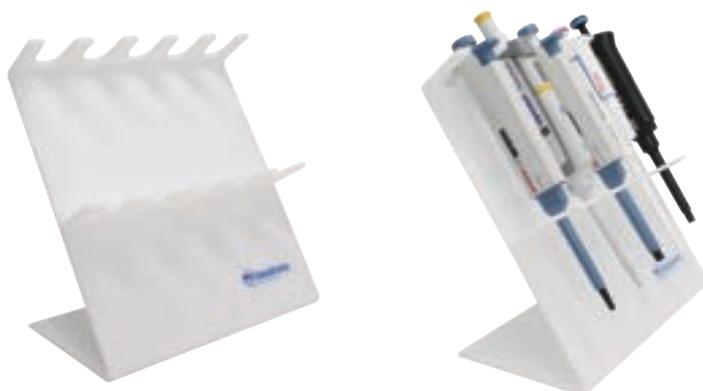
Biosharp Universal Pipette Stands provides safe and convenient storage of pipette, suitable for single channel and multichannel models. Pipettes nose cone does not touch the lab bench reducing the risk of damage and cross contamination. Compact carousel stand is ideal for saving bench space, when the pipette is not in use, it should be stored in an upright position in order to avoid contamination from desks and benches.

- Made of light, easy-to-clean plastic
- Ideal for labs already have multiple brands in use
- Suitable for single channel and multichannel models
- Provides safe and convenient storage of pipette
- Compatible with various pipettes
- Can be cleaned with soap/water or common laboratory disinfectants
- Pipettes are held in a vertical position to help prevent contamination



**BC016**

Compatible with Eppendorf, Thermo Finnpipette, Brand, DLAB pipette



**BS-QT-026**

Compatible with Eppendorf, Thermo Finnpipette, Gilson, DLAB pipettors



**BC017**

Compatible with Gilson, RAININ pipettors

### Ordering information

Cat.No.	Description	Packaging
BC016	Pipette stand, compatible with Eppendorf, Thermo Finnpipette, Brand, DLAB pipettors	1pc/unit, 10units/case
BC017	Pipette round stand, compatible with Gilson pipettors, RAININ pipettors	1pc/unit, 8units/case
BS-QT-026	Pipette stand, compatible with Eppendorf, Thermo Finnpipette, Gilson, DLAB pipettors	2pcs/unit, 12units/case



# Centrifuge Tubes & Sample Tubes



Micro-centrifuge Tube  
Explosion proof clip  
5mL Centrifuge Tube, Sterile  
Centrifuge Tube  
15mL/25mL/50mL Centrifuge Tube  
Test Tube  
Tube Rack  
Coolbox  
Screw Cap Tube  
Screw Cap  
Transport Tube

# Centrifuge Tubes & Sample Tubes

## Micro-centrifuge Tube

Biosharp Micro-centrifuge Tubes are made of transparent polypropylene material. Micro-centrifuge tubes are available in a variety of volumes. Mainly used for sample storage and centrifugation. All tubes feature frosted writing surfaces on the cap and side for smear resistant labeling.

B-01



- Manufactured from polypropylene material
- Positive flat cap seal design
- With graduation and marking area
- Withstand temperature down to -80°C
- Autoclavable
- Bulk pack



With clear graduation



BS-05-M  
0.5mL



BS-15-M  
1.5mL



BS-15-M-A  
1.5mL, amber



BS-15-M-S  
1.5mL



BS-20-M  
2.0mL



Tight-fitting lid provides a leak proof seal



Marking area for easy sample identification



### Ordering information

Cat.No.	Description	RCF Rating (xg)	Packaging
BS-05-M	0.5mL Micro-centrifuge tube, conical bottom, snap-cap	15,000	1000pcs/bag, 10bags/case
BS-15-M	1.5mL Micro-centrifuge tube, conical bottom, snap-cap, clear	12,000	500pcs/bag, 10bags/case
BS-15-M-A	1.5mL Micro-centrifuge tube, conical bottom, snap-cap, amber	12,000	500pcs/bag, 10bags/case
BS-15-M-S	1.5mL Micro-centrifuge tube, conical bottom, snap-cap, sterile	12,000	100pcs/bag, 20bags/case
BS-20-M	2.0mL Micro-centrifuge tube, round bottom, snap-cap	12,000	500pcs/bag, 10bags/case

## Explosion proof clip

- PP material, can withstand high temperatures
- Suitable for 1.5mL and 2mL centrifuge tubes
- It has a smooth surface without burrs and a strong fixing force
- Product use: when boiling samples, it prevents evaporation and bursts, thus avoiding inconsistent concentrations happens
- During the heating process, regularly check the condition of the centrifuge tubes to ensure that the explosion proof clips are always in the correct position and that the centrifuge tubes have not moved or deformed

### Tips for using:

Place the explosion proof clip with the raised surface facing upwards. Align the centrifuge tube with the interface of the explosion proof clip and insert it inwards until the explosion proof clip completely encloses the centrifuge tube. Make sure that the tube opening is aligned with the clamping part of the explosion-proof clip to avoid twisting or deforming the tube body.

After use, clean it in a timely manner to prevent residues from affecting the experiment.



### Ordering information

Cat.No.	Description	Packaging
BS-15-MTC-010	Explosion proof clip, for 1.5mL/2.0mL centrifugal tube	10pcs/bag
BS-15-MTC-050	Explosion proof clip, for 1.5mL/2.0mL centrifugal tube	50pcs/bag
BS-15-MTC-100	Explosion proof clip, for 1.5mL/2.0mL centrifugal tube	100pcs/bag



# Centrifuge Tubes & Sample Tubes

## 5mL Centrifuge Tube, Sterile

Biosharp 5mL Centrifuge Tubes have frosted side panels, ideal for labeling. Biosharp offers brightly colored centrifuge tubes for those researchers with a need for easy identification and color coding of samples and experiments. These tubes are with conical bottom and sterile.

- Manufactured from polypropylene material
- Flat cap, easy to open
- Variety of colors are available
- With graduation and marking area
- Withstand temperature from -80°C to 121°C
- Snap-cap and screw cap are available
- Sterile



BS-50-PS-S    BS-50-GS-S    BS-50-RS-S    BS-50-BS-S



BS-CTR-050-C  
5mL Centrifuge Tube Rack



BS-50-CM-SA    BS-50-LM-S    BS-50-BM-S    BS-50-AM-S    BS-50-GM-S    BS-50-RM-S    BS-50-YM-S    BS-50-CM-S

### Ordering information

Cat.No.	Description	Color	RCF Rating	Packaging
● BS-50-BS-S	5.0mL Centrifuge tube, conical bottom, screw cap, sterile	Blue screw cap, clear tube	25,000xg	100pcs/bag, 20bags/case
● BS-50-GS-S	5.0mL Centrifuge tube, conical bottom, screw cap, sterile	Green screw cap, clear tube	25,000xg	100pcs/bag, 20bags/case
● BS-50-RS-S	5.0mL Centrifuge tube, conical bottom, screw cap, sterile	Red screw cap, clear tube	25,000xg	100pcs/bag, 20bags/case
● BS-50-PS-S	5.0mL Centrifuge tube, conical bottom, screw cap, sterile	Purple screw cap, clear tube	25,000xg	100pcs/bag, 20bags/case
○ BS-50-CM-S	5.0mL Centrifuge tube, conical bottom, snap-cap, sterile	Clear	25,000xg	100pcs/bag, 20bags/case
● BS-50-RM-S	5.0mL Centrifuge tube, conical bottom, snap-cap, sterile	Red	25,000xg	100pcs/bag, 20bags/case
● BS-50-BM-S	5.0mL Centrifuge tube, conical bottom, snap-cap, sterile	Blue	25,000xg	100pcs/bag, 20bags/case
● BS-50-YM-S	5.0mL Centrifuge tube, conical bottom, snap-cap, sterile	Yellow	25,000xg	100pcs/bag, 20bags/case
● BS-50-GM-S	5.0mL Centrifuge tube, conical bottom, snap-cap, sterile	Green	25,000xg	100pcs/bag, 20bags/case
● BS-50-AM-S	5.0mL Centrifuge tube, conical bottom, snap-cap, sterile	Amber	25,000xg	100pcs/bag, 20bags/case
● BS-50-LM-S	5.0mL Centrifuge tube, conical bottom, snap-cap, sterile	Black	25,000xg	100pcs/bag, 20bags/case
○ BS-50-CM-SA	5.0mL Centrifuge tube, conical bottom, safe-lock, sterile	Clear	25,000xg	100pcs/bag, 20bags/case

B-03



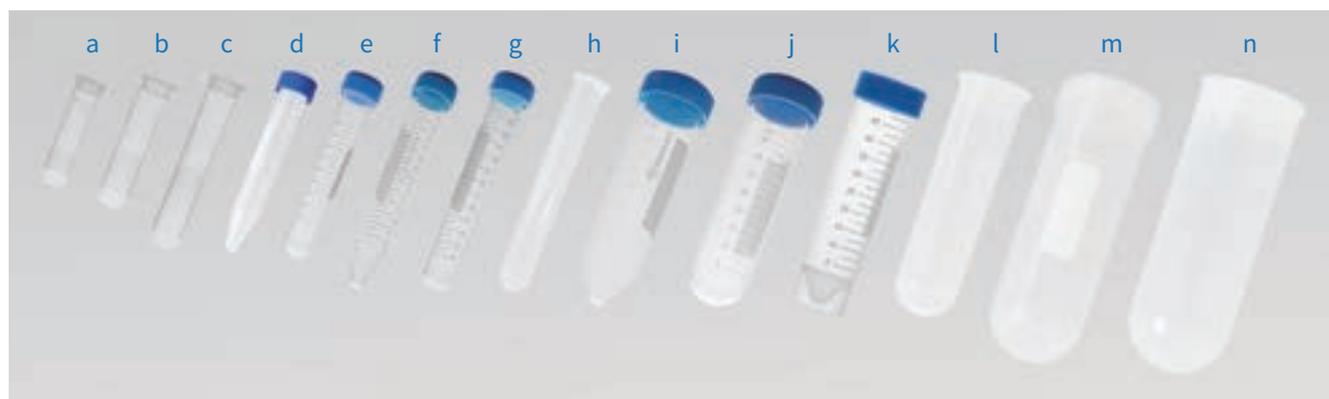
## Centrifuge Tube



Biosharp Centrifuge Tubes are made of high-quality polypropylene material. These centrifuge tubes are ideal for centrifugation and serial dilutions, as well as storage of critical laboratory reagents including culture media, buffers. Centrifuge tubes are ideal for use in centrifuging samples or storage in many research areas.

- Manufactured from polypropylene material
- Variety of tubes available
- Withstand temperature from -80°C to 121°C
- Snap-cap, screw cap and socket-cap are available
- Autoclavable

B-04



### Ordering information

Cat.No.	Description	RCF Rating	Packaging
<b>a</b> BS-50-M	5.0mL Centrifuge tube, round bottom, snap-cap	8,000xg	200pcs/bag, 15bags/case
<b>b</b> BS-70-M	7.0mL Centrifuge tube, round bottom, snap-cap	8,000xg	200pcs/bag, 10bags/case
<b>c</b> BS-100-M	10mL Centrifuge tube, round bottom, snap-cap	8,000xg	100pcs/bag, 15bags/case
<b>d</b> BS-100-MJ	10mL Centrifuge tube, conical bottom, screw-cap	8,000xg	100pcs/bag, 16bags/case
<b>e</b> BS-100-MY	10mL Centrifuge tube, round bottom, screw-cap	8,000xg	100pcs/bag, 16bags/case
<b>f</b> BS-150-M	15mL Centrifuge tube, conical bottom, screw-cap	8,000xg	50pcs/bag, 10bags/case
<b>g</b> BS-150-MY	15mL Centrifuge tube, round bottom, screw-cap	8,000xg	100pcs/bag, 16bags/case
<b>h</b> BS-150-MC	15mL Centrifuge tube, round bottom, socket-cap	8,000xg	100pcs/bag, 16bags/case
<b>i</b> BS-500-M	50mL Centrifuge tube, conical bottom, screw-cap	8,000xg	25pcs/bag, 20bags/case
<b>j</b> BS-500-MY	50mL Centrifuge tube, round bottom, screw-cap	8,000xg	50pcs/bag, 16bags/case
<b>k</b> BS-500-MJL	50mL Centrifuge tube, conical bottom, self-standing, screw-cap	5,000xg	50pcs/bag, 16bags/case
<b>l</b> BS-500-MC	50mL Centrifuge tube, round bottom, socket-cap	8,000xg	50pcs/bag, 16bags/case
<b>m</b> BS-1000-MY	100mL Centrifuge tube, round bottom, screw-cap	8,000xg	30pcs/bag, 12bags/case
<b>n</b> BS-1000-MC	100mL Centrifuge tube, round bottom, socket-cap	8,000xg	30pcs/bag, 12bags/case

# Centrifuge Tubes & Sample Tubes

## 15mL/25mL/50mL Centrifuge Tube, Sterile

Biosharp 15mL/25mL/50mL Centrifuge tubes with grey cap are made of high-quality polypropylene material. These centrifuge tubes are ideal for centrifugation and serial dilutions, as well as storage of critical laboratory reagents including culture media, buffers. Biosharp 15mL/25mL/50mL centrifuge tubes have frosted side panels, ideal for labeling. These tubes are sterile with conical bottom or self-standing design.

- Manufactured from polypropylene material
- With graduation and marking area
- DNase-/RNase-free
- Nonpyrogenic
- Sterile



B-05



### Ordering information

Cat.No.	Description	RCF Rating	Packaging
BS-150-M-S	15mL Centrifuge tube, conical bottom, screw-cap, grey cap	12,000xg	50pcs/bag, 10bags/case
BS-25-M-S	25mL Centrifuge tube, conical bottom, sterile, screw-cap	15,000xg	25pcs/bag, 8bags/case
BS-500-M-S	50mL Centrifuge tube, conical bottom, screw-cap, grey cap	12,000xg	25pcs/bag, 20bags/case
BS-500-MJL-S	50mL Centrifuge tube, conical bottom, self-standing, screw-cap, grey cap	7,000xg	25pcs/bag, 20bags/case

## Test Tube

Biosharp test tubes are widely used in laboratory experiments. Dual position snap-cap prevents sample loss with ease of handling. Polypropylene tubes are best suited for applications requiring greater thermal and chemical stability. Polystyrene tubes are best suited for procedures requiring high optical clarity.

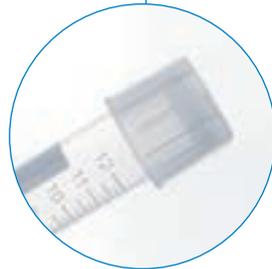
- Polypropylene and polystyrene material are available
- Widely used in laboratory
- Dual position snap-cap prevents sample loss with ease of handling
- DNase-/RNase-free
- Nonpyrogenic
- Sterile
- Disposable



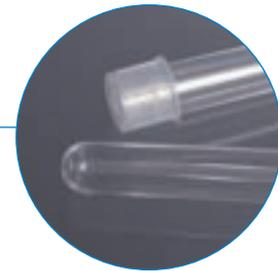
B-06



**biosharp**  
Life sciences



With graduation



Without graduation



### Ordering information

Cat.No.	Description	Material	Packaging
BS-PST-5-G-S1	5mL Test tube, round-bottom, with graduation, individually wrapped	PS	100pcs/bag, 5bags/case
BS-PST-5-G-S2	5mL Test tube, round-bottom, with graduation	PS	25pcs/bag, 40bags/case
BS-PST-5-NG-S1	5mL Test tube, round-bottom, without graduation, individually wrapped	PS	100pcs/bag, 5bags/case
BS-PST-5-NG-S2	5mL Test tube, round-bottom, without graduation	PS	25pcs/bag, 40bags/case
BS-PST-5-NG-S4	5mL Test tube, round-bottom, without graduation, without cap	PS	25pcs/bag, 40bags/case
BS-PPT-5-G-S1	5mL Test tube, round-bottom, with graduation, individually wrapped	PP	100pcs/bag, 5bags/case
BS-PPT-5-G-S2	5mL Test tube, round-bottom, with graduation	PP	25pcs/bag, 40bags/case
BS-PPT-5-NG-S1	5mL Test tube, round-bottom, without graduation,individually wrapped	PP	100pcs/bag, 5bags/case
BS-PPT-5-NG-S2	5mL Test tube, round-bottom, without graduation	PP	25pcs/bag, 40bags/case
BS-PPT-12-S	12mL Polypropylene test tube, individually wrapped	PP	1pc/bag, 100bags/unit, 16units/case
BS-PST-14-G-S1	14mL Test tube, round-bottom, with graduation, individually wrapped	PS	100pcs/bag, 5bags/case
BS-PST-14-G-S2	14mL Test tube, round-bottom, with graduation	PS	25pcs/bag, 40bags/case
BS-PST-14-NG-S1	14mL Test tube, round-bottom, without graduation, individually wrapped	PS	100pcs/bag, 5bags/case
BS-PST-14-NG-S2	14mL Test tube, round-bottom, without graduation	PS	25pcs/bag, 40bags/case
BS-PPT-14-G-S1	14mL Test tube, round-bottom, with graduation, individually wrapped	PP	100pcs/bag, 5bags/case
BS-PPT-14-G-S2	14mL Test tube, round-bottom, with graduation	PP	25pcs/bag, 40bags/case

# Centrifuge Tubes & Sample Tubes

## Tube Rack

Biosharp Centrifuge Tube Racks are ideal for general purpose laboratory work. Centrifuge tube racks are made of PP material. These racks are designed to hold centrifuge tubes and replace foam racks. Unlike foam racks, they are autoclavable and will not fall apart with repeated use. They can withstand temperature down to -80°C, and will stack together to minimize storage space.

- Polypropylene material
- Ideal for laboratory use
- Simple, easy action to open and close
- Various centrifuge tube racks are available
- Reusable
- Autoclavable



BS-50-MB25



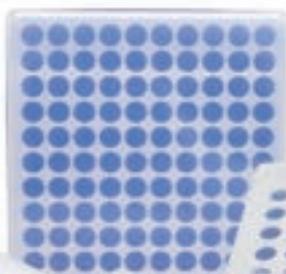
BS-150-MB36



BS-500-MB16

BS-15-MB100

1.5mL Centrifuge tube rack, for 100 tubes



BS-15-MB50

1.5mL Centrifuge tube rack, for 50 tubes



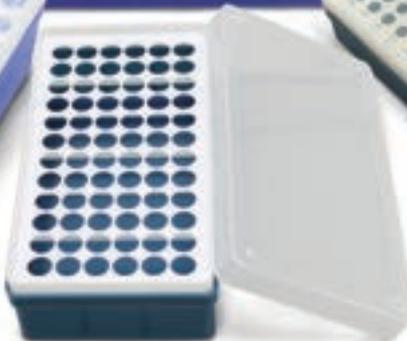
BS-05-MB72

0.5mL Centrifuge tube rack, for 72 tubes



BS-50-MB32

5mL Centrifuge tube rack, for 32 tubes



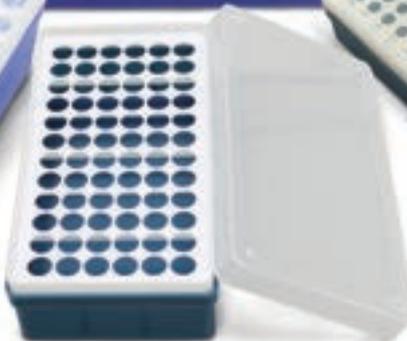
BS-05-MB96

0.5mL Centrifuge tube rack, for 96 tubes



BS-15-MB72

1.5mL Centrifuge tube rack, for 72 tubes



### Ordering information

Cat.No.	Description	Packaging
BS-05-MB72	0.5mL Centrifuge tube rack, for 72 tubes	50pcs/case
BS-05-MB96	0.5mL Centrifuge tube rack, for 96 tubes	50pcs/case
BS-15-MB50	1.5mL Centrifuge tube rack, for 50 tubes	50pcs/case
BS-15-MB72	1.5mL Centrifuge tube rack, for 72 tubes	50pcs/case
BS-15-MB100	1.5mL Centrifuge tube rack, for 100 tubes	50pcs/case
BS-50-MB32	5mL Centrifuge tube rack, for 32 tubes	50pcs/case
BS-50-MB25	5mL Centrifuge tube rack, for 25 tubes, PC lid, PP box	50pcs/case
BS-150-MB36	15mL Centrifuge tube rack, for 36 tubes	1pc
BS-500-MB16	50mL Centrifuge tube rack, for 16 tubes	1pc

B-07



Life Sciences  
biosharp®

# Centrifuge Tubes & Sample Tubes

Biosharp Multipurpose Tube Racks are applicable to a variety of tubes. These tube racks are perfect for laboratory use. These super strong and versatile tube racks hold variety of tube sizes in a single rack.

- Ideal for laboratory use
- Easy to use
- Wells are more visible and tubes are easier to place
- Ideal compact storage solution
- Reusable



BS-QT-001

BS-CTR-ML

B-08



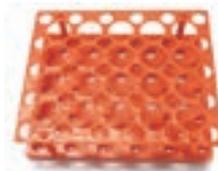
**biosharp**  
Life sciences



BS-CTR-050-C



BS-QT-045



BS-QT-002



BS-CTR-A



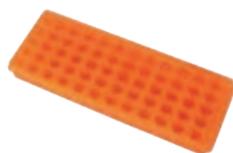
BS-CTR-B13

## Ordering information

Cat.No.	Description	Material	Packaging
BS-QT-001	Four-sided tube rack (96*0.2mL/32*1.5mL/12*15mL/4*50mL)	Polypropylene	50pcs/case
BS-CTR-ML	Multi-layer tube rack	HIPS	20pcs/case
BS-CTR-050-C	Centrifuge tube rack (16*5mL)	ABS	1pc/unit
BS-QT-045	Centrifuge tube rack, for 5mL/10mL/15mL tubes, with silicone	ABS	30pcs/case
BS-QT-002	Centrifuge tube rack, detachable (30*15mL/20*50mL)	Polypropylene	50pcs/case
BS-CTR-A	Centrifuge tube rack, detachable (18*15mL/10*50mL)	HIPS	50pcs/case
BS-CTR-B13	Three-layer centrifuge tube rack, detachable, 13mm, 50-well	Polystyrene	50pcs/case
BS-CTR-B18	Three-layer centrifuge tube rack, detachable, 18mm, 50-well	Polystyrene	10pcs/case
BS-05/15-SM60	Double-sided tube rack, for 0.5/1.5mL tubes, 60-well	Polypropylene	50pcs/case
BS-05/15-SM96	Double-sided tube rack, for 0.5/1.5mL tubes, 96-well	Polypropylene	50pcs/case
BS-TR-48-A	Tube rack, hole diameter 25mm, 48-well	Polypropylene	1pc/unit
BS-TR-96-A	Tube rack, hole diameter 18mm, 96-well	Polypropylene	1pc/unit



BS-CTR-B18



BS-05/15-SM60



BS-05/15-SM96



BS-TR-48-A



BS-TR-96-A

# Centrifuge Tubes & Sample Tubes

B-09



- Polypropylene material
- Ideal for laboratory use
- Detachable
- Reusable



## Ordering information

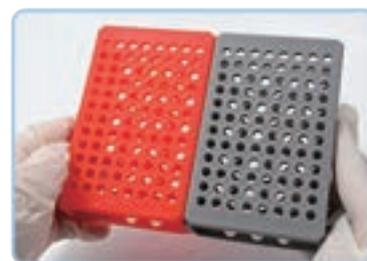
Cat.No.	Description	Material	Packaging
BS-CTR-150-DEY	0.2/1.5mL Centrifuge tube rack, detachable, yellow	Polypropylene	5pcs/unit, 20units/case
BS-CTR-150-DEG	0.2/1.5mL Centrifuge tube rack, detachable, grey	Polypropylene	5pcs/unit, 20units/case
BS-CTR-150-DEB	0.2/1.5mL Centrifuge tube rack, detachable, blue	Polypropylene	5pcs/unit, 20units/case
BS-CTR-150-DER	0.2/1.5mL Centrifuge tube rack, detachable, red	Polypropylene	5pcs/unit, 20units/case



① Bayonets on the side



② Racks can be connected to each other



③ For 96-well 0.2mL PCR tube



④ Different apertures on both sides



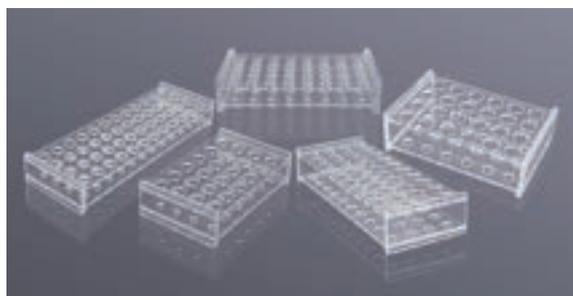
⑤ Ideal for laboratory use



⑥ Four colors available

# Centrifuge Tubes & Sample Tubes

- Polymethyl methacrylate material
- Ideal for laboratory use
- Reusable



## Ordering information

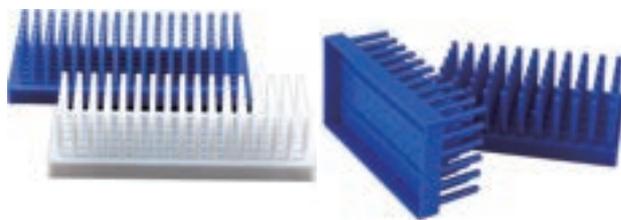
Cat. No.	Description	Material	Packaging
BS-CTR-002	40-Well centrifuge tube rack, 0.2mL	Polymethyl methacrylate	1pc/unit
BS-CTR-005	40-Well centrifuge tube rack, 0.5mL	Polymethyl methacrylate	1pc/unit
BS-CTR-015-A	24-Well centrifuge tube rack, 1.5mL	Polymethyl methacrylate	1pc/unit
BS-CTR-015-B	48-Well centrifuge tube rack, 1.5mL	Polymethyl methacrylate	1pc/unit
BS-CTR-015-C	96-Well centrifuge tube rack, 1.5mL	Polymethyl methacrylate	1pc/unit
BS-CTR-015-D	100-Well centrifuge tube rack, 1.5mL	Polymethyl methacrylate	1pc/unit
BS-CTR-050-A	24-Well centrifuge tube rack, 5mL	Polymethyl methacrylate	1pc/unit
BS-CTR-050-B	40-Well centrifuge tube rack, 5mL	Polymethyl methacrylate	1pc/unit
BS-CTR-100-A	24-Well centrifuge tube rack, 7/10mL	Polymethyl methacrylate	1pc/unit
BS-CTR-100-B	48-Well centrifuge tube rack, 7/10mL	Polymethyl methacrylate	1pc/unit
BS-CTR-150-A	18-Well centrifuge tube rack, 15mL	Polymethyl methacrylate	1pc/unit
BS-CTR-150-B	40-Well centrifuge tube rack, 15mL	Polymethyl methacrylate	1pc/unit
BS-CTR-150-C	48-Well centrifuge tube rack, 15mL	Polymethyl methacrylate	1pc/unit
BS-CTR-500-A	8-Well centrifuge tube rack, 50mL	Polymethyl methacrylate	1pc/unit
BS-CTR-500-B	10-Well centrifuge tube rack, 50mL	Polymethyl methacrylate	1pc/unit
BS-CTR-500-C	12-Well centrifuge tube rack, 50mL	Polymethyl methacrylate	1pc/unit
BS-CTR-500-D	20-Well centrifuge tube rack, 50mL	Polymethyl methacrylate	1pc/unit
BS-CTR-1000-A	6-Well centrifuge tube rack, 100mL	Polymethyl methacrylate	1pc/unit
BS-CTR-1000-B	10-Well centrifuge tube rack, 100mL	Polymethyl methacrylate	1pc/unit
BS-CTR-1000-C	12-Well centrifuge tube rack, 100mL	Polymethyl methacrylate	1pc/unit
BS-CTR-2500-A	2-Well centrifuge tube rack, 175/225/250mL	Polymethyl methacrylate	1pc/unit
BS-CTR-2500-B	4-Well centrifuge tube rack, 175/225/250mL	Polymethyl methacrylate	1pc/unit
BS-CTR-5000-A	2-Well centrifuge tube rack, 500mL	Polymethyl methacrylate	1pc/unit
BS-CTR-5000-B	4-Well centrifuge tube rack, 500mL	Polymethyl methacrylate	1pc/unit

B-10



# Centrifuge Tubes & Sample Tubes

- Polypropylene material
- Spacious peg design allows easy viewing of the tube contents
- Use as a drying rack for glass or upside-down tubes
- Autoclavable



## Ordering information

Cat.No.	Description	Material	Packaging
BS-TDR-66	Peg rack, for 66 tubes	Polypropylene	1pc/unit
BS-TDR-102	Peg rack, for 102 tubes	Polypropylene	1pc/unit

## Polypropylene Coolbox

Biosharp Polypropylene Coolbox are provide sample cooling without ice, electricity or batteries. Multiple specifications are available. The modular design enables to hold microfuge tubes or PCR tubes. It is especially suitable for keeping low temperature when preparing various solutions to prevent sample degradation and pollution during operation.



- PP material
- Initial storage conditions: -20°C, 12-24h
- Three types are available
- Provides over 1-2 hours of 2 to 8°C cooling

## Ordering information

Cat.No.	Description	Size	Packaging
BC026	0.2mL 96-Well PCR Coolbox	132(L)*94(W)*42mm(H)	1pc/unit
BC027	1.5mL/2mL/0.5mL Coolbox	178(L)*110(W)*56mm(H)	1pc/unit, 20units/case
BC028	1.5mL/2mL/0.5mL Coolbox	147(D)*56mm(H)	1pc/unit, 16units/case



**BC026**

Suitable for 96\*0.2mL PCR tubes



**BC027**

Suitable for 24\*1.5mL/2mL tubes and 14\*0.5mL tubes



**BC028**

Suitable for 22\*1.5mL/2mL tubes and 12\*0.5mL tubes





## Metal Coolbox

Biosharp Metal Coolbox can quickly cool the laboratory solution and keep it at a low temperature after being fully refrigerated. It is used with a coolbox holder to ensure a longer continuous cooling capacity. Ideal for sample addition operations for nucleic acid and protein experiments to prevent sample degradation.

- Aluminum alloy material
- Initial storage conditions: -20°C, 4-6h
- Provides over 1-2 hours of 2 to 8°C cooling



### Ordering information

Cat.No.	Description	Size	Packaging
BC029	0.2mL PCR Metal Coolbox	119(L)*87(W)*20mm(H)	1pc/unit, 5units/case
BC030	1.5mL Metal Coolbox	118(L)*78(W)*31mm(H)	1pc/unit, 5units/case
BC031	2.0mL Metal Coolbox	113(L)*71(W)*25mm(H)	1pc/unit, 5units/case
BC032	0.2mL/1.5mL Metal Coolbox, for 24*1.5mL tubes and 36*0.2mL tubes	113(L)*71(W)*25mm(H)	1pc/unit, 5units/case
BS-MCB-A	0.2mL/1.5mL Metal Coolbox, for 32*0.2mL tubes and 16*1.5mL/2.0mL tubes	117(L)*77(W)*30mm(H)	1pc/unit, 5units/case
BS-MCB-B	0.2mL/1.5mL Metal Coolbox, for 40*0.2mL tubes and 12*1.5mL/2.0mL tubes	117(L)*77(W)*33mm(H)	1pc/unit, 5units/case
BC035	15mL Metal Coolbox	78(L)*57(W)*75mm(H)	1pc/unit, 6units/case
BC036	15mL Metal Coolbox	138(L)*35(W)*75mm(H)	1pc/unit, 5units/case
BC037	50mL Metal Coolbox	78(L)*78(W)*75mm(H)	1pc/unit, 6units/case



## Coolbox Holder

Biosharp Coolbox Holder are use with metal coolbox to ensure good cooling capacity, effectively protect the surrounding and bottom of the metal coolbox, prevent slippage and increase stability.

- Silicone material
- Designed for use with Biosharp coolbox
- Protect the bottom of the metal coolbox

### Ordering information

Cat.No.	Description	Packaging
BC033	Coolbox holder, silicone, compatible with BC029	1pc/unit
BC034	Coolbox holder, silicone, compatible with BC030/BC031/BC032	1pc/unit



## Coolbox With Temperature Indicator

Biosharp Coolbox With Temperature Indicators are designed to hold 0.2mL PCR strip tubes and 96-well PCR plates. Clear color indicator changed from purple to pink when temperature exceed 6-8°C. It is especially suitable for lab use to keep PCR samples cool during preparation.

- Initial storage conditions: -20°C, 4-6h
- Provides over 1-2 hours of 2 to 8°C cooling
- Clear color indicator changed from purple to pink when temperature exceed 6-8°C
- Used with single 0.2mL PCR tube, 0.2mL PCR strip tubes and 96-well PCR plates
- Suitable for lab use to keep PCR samples cool during preparation
- Perfect for storage sensitive and precious samples
- Ideal for transferring samples between labs, or in the field
- Save space with compact footprint and stacking ability

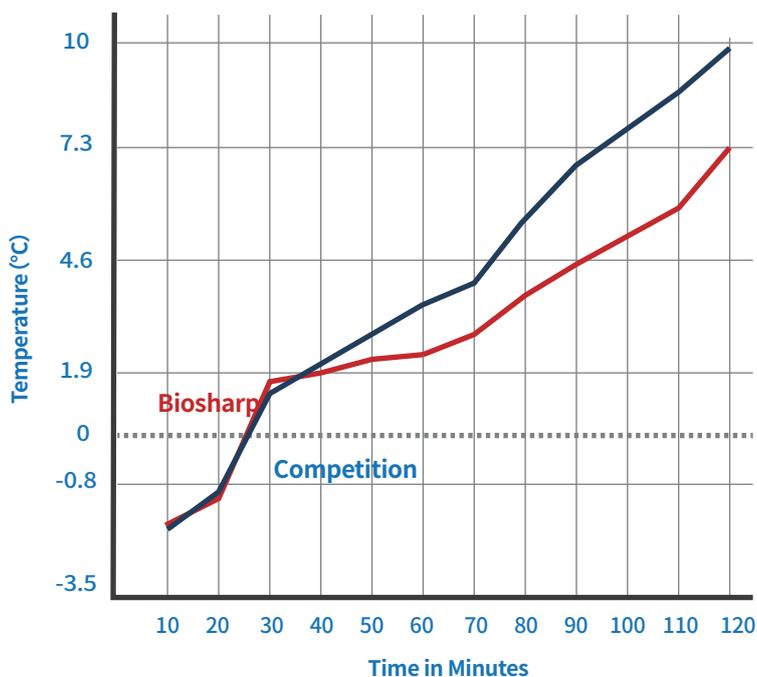
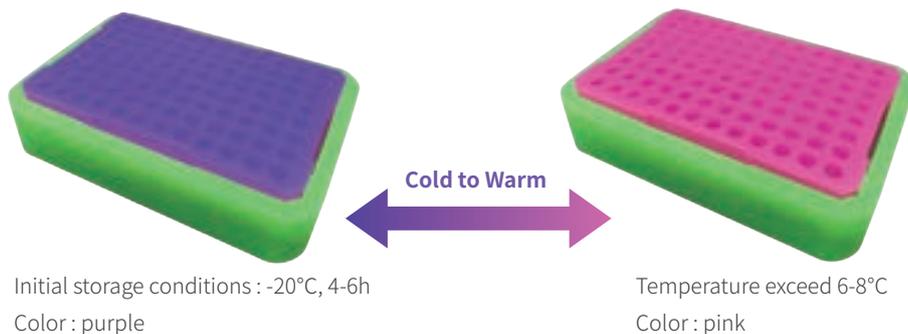


96 well 8\*12 configuration

Applications: Ideal for thermosensitive applications, PCR, or cell-based assays, as well as gentle sample thawing and stopping of reactions.

### Ordering information

Cat.No.	Description	Size	Packaging
BS-CB-96	Coolbox with color indicator, V-bottom, rectangle	132(L)*92(W)*29mm(H)	1pc/unit



Biosharp cell freezing container maintains sample temperature of less than 8°C for up to two hours at room temperature, as well as—or better than the competition. As our internal testing shows, after 90minutes, the competition's rack quickly rose in temperature, while our rack maintained its cool temperature.



# Centrifuge Tubes & Sample Tubes

Biosharp Sample Tubes are manufactured from high-quality polypropylene (PP) material. The bottom is self-standing design, more conducive to sample storage and placement, screw cap Tubes feature screw caps that provide a tight secure seal.

Manufactured under the most rigid QC standards, these tubes are certified to be free of RNase and DNase. The O-Ring forms a perfect seal against the rim of each tube. A leak-free seal, coupled with the naturally low-binding quality of pure virgin polypropylene, make these screw cap tubes perfect for almost every long term storage application.

## Screw Cap Tube

- Manufactured from polypropylene material
- Self-standing design for easy operation
- Clear and amber tubes are available
- Universal screw threads for use
- Various sizes available
- Withstand temperature down to -80°C
- Disposable



## Ordering information

Cat.No.	Description	Packaging
BS-05-SCT-AS	0.5mL Screw cap tube, conical bottom, self-standing, sterile, DNase/RNase-free, clear	500pcs/bag, 10bags/case
BS-15-SCT-AS	1.5mL Screw cap tube, conical bottom, self-standing, sterile, DNase/RNase-free, clear	500pcs/bag, 10bags/case
BS-20-SCT-AS	2.0mL Screw cap tube, conical bottom, self-standing, sterile, DNase/RNase-free, clear	500pcs/bag, 10bags/case
BS-SCT-05-AM	0.5mL Screw cap tube, conical bottom, self-standing, sterile, DNase/RNase-free, amber	500pcs/bag, 10bags/case
BS-SCT-15-AM	1.5mL Screw cap tube, conical bottom, self-standing, sterile, DNase/RNase-free, amber	500pcs/bag, 10bags/case
BS-SCT-20-AM	2.0mL Screw cap tube, conical bottom, self-standing, sterile, DNase/RNase-free, amber	500pcs/bag, 10bags/case
BS-15-SCT-A	1.5mL Screw cap tube, conical bottom, self-standing, non-sterile, DNase/RNase-free, clear	500pcs/bag, 20bags/case
BS-20-SCT-A	2.0mL Screw cap tube, conical bottom, self-standing, non-sterile, DNase/RNase-free, clear	500pcs/bag, 20bags/case
BS-05-ST	0.5mL Screw cap tube, conical bottom, non-sterile	100pcs/bag, 20bags/case
BS-05-STL	0.5mL Screw cap tube, conical bottom, self-standing, non-sterile	100pcs/bag, 20bags/case
BS-15-STL	1.5mL Screw cap tube, conical bottom, self-standing, non-sterile	100pcs/bag, 20bags/case
BS-20-ST	2.0mL Screw cap tube, self-standing, non-sterile	100pcs/bag, 20bags/case
BS-50-ST	5.0mL Screw cap tube, self-standing, non-sterile	50pcs/bag, 20bags/case
BS-70-ST	7.0mL Screw cap tube, self-standing, non-sterile	50pcs/bag
BS-100-ST	10mL Screw cap tube, self-standing, non-sterile	50pcs/bag, 20bags/case



BS-05-ST  
0.5mL

BS-05-STL  
0.5mL

BS-20-STL  
2mL



BS-20-ST  
2mL



BS-50-ST  
5mL



BS-70-ST  
7mL



BS-100-ST  
10mL



# Centrifuge Tubes & Sample Tubes

## Screw Cap

- Manufactured from polypropylene material
- Universal screw threads for use
- Suitable for Biosharp screw cap tube
- DNase/RNase-free



BS-05-SCO-AS  
BS-15-SCO-AS  
BS-20-SCO-AS  
0.5mL, 1.5mL, 2.0mL Screw cap

BS-SCO-AM  
0.5mL, 1.5mL, 2.0mL Screw cap

### Ordering information

Cat.No.	Description	Packaging
BS-05-SCO-AS	0.5mL Screw cap, sterile, clear	500pcs/bag, 10bags/case
BS-15-SCO-AS	1.5mL Screw cap, sterile, clear	500pcs/bag, 10bags/case
BS-20-SCO-AS	2.0mL Screw cap, sterile, clear	500pcs/bag, 10bags/case
BS-SCO-AM	0.5mL, 1.5mL, 2.0mL Screw cap, sterile, amber	500pcs/bag, 10bags/case
BS-15-SCO-A	1.5mL Screw cap, non-sterile, clear	500pcs/bag, 20bags/case
BS-20-SCO-A	2.0mL Screw cap, non-sterile, clear	500pcs/bag, 20bags/case

## Transport Tube

- Manufactured from polypropylene material
- Leak Proof freestanding mailing tubes with screw caps
- High-clarity tubes provide excellent visibility to the sample
- Conical bottom with a wide skirted base
- Suitable for safe shipping of samples
- DNase/RNase-free



### Ordering information

Cat.No.	Description	Packaging
BS-50-ST-B	5mL Screw cap tube, conical bottom, self-standing	500pcs/bag, 4bags/case
BS-100-ST-B	10mL Screw cap tube, conical bottom, self-standing	200pcs/bag, 5bags/case
BS-120-ST-B	12mL Screw cap tube, conical bottom, self-standing	200pcs/bag, 5bags/case

- Polypropylene tube, polyethene cap
- Conical bottom
- With graduation and marking area
- Screw caps feature an interior recess
- Suitable for safe shipping of samples
- Sterilized by irradiation



### Ordering information

Cat.No.	Description	Packaging
BS-50-TA-S	5mL Transport tube, with interior recess, sterile	100pcs/bag, 10bags/case
BS-100-TA-S	10mL Transport tube, with interior recess, sterile	100pcs/bag, 10bags/case

\*Can be customized, various colors can be chose

B-15



# Cell Cultureware & Cryoware



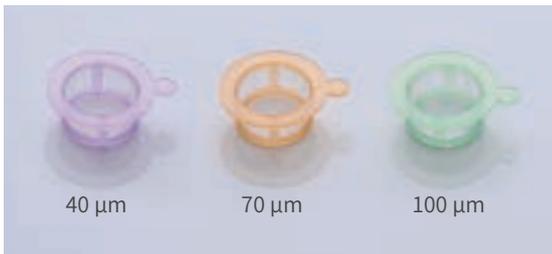
Cell Strainer  
Confocal Dish  
Confocal Plate  
Cell counting slide  
Hemocytometer slide  
Comet assay slides  
Cell Culture Plate  
Round Cover Glass  
Cryogenic Vial  
Cryogenic Vial Box  
Cryogenic Vial Rack  
Cell Freezing Container

## Cell Strainer

Biosharp Cell Strainers are design to fit most 50 mL conical tube, and 1.5mL~15mL volume tube. Strong nylon mesh with 40µm, 70µm or 100µm pores for optimal performance in a variety of applications and improved uniformity of single cell suspensions. Different colors for easy identification.

These cell strainers are sterilized via irradiation, easy-to-use for quickly isolating primary cells to consistently obtain a uniform single-cell suspension from tissues

C-01



40 µm

70 µm

100 µm



### Traditional Style

- Nylon membrane, available in 3 membrane sizes, 40 µm, 70 µm, and 100 µm
- Three different colors: purple, orange, green
- Fit into most 50 mL conical tube
- Grip area for sterile handling with forceps
- Ready-to-use, sterile by gamma irradiation, nonpyrogenic
- Nylon membrane
- Sterilized and conveniently accessible in individual packaging
- Disposable

### Ordering information

Cat.No.	Pore Size	Color	Sterility	Packaging
 BS-40-CS	40 µm	Purple	Sterile	1pc/bag, 100bags/case
 BS-70-CS	70 µm	Orange	Sterile	1pc/bag, 100bags/case
 BS-100-CS	100 µm	Green	Sterile	1pc/bag, 100bags/case



BS-70-CS

70µm Cell strainer, orange

BS-100-CS

100µm Cell strainer, green

BS-40-CS

40µm Cell strainer, purple

plastic packed

## Innovative Style



- Nylon membrane, available in 3 membrane sizes, 40 µm, 70 µm, and 100 µm
- Three different colors: blue, white, and yellow
- Fit into most 50 mL conical tube
- Stackable design allows for sequential filtration from large to small mesh sizes
- Ready-to-use, sterile by irradiation, nonpyrogenic
- Single packaging facilitates aseptic working and reduces risk of contamination
- Disposables

C-02



paper/plastic packed

**BS-70-XBS**

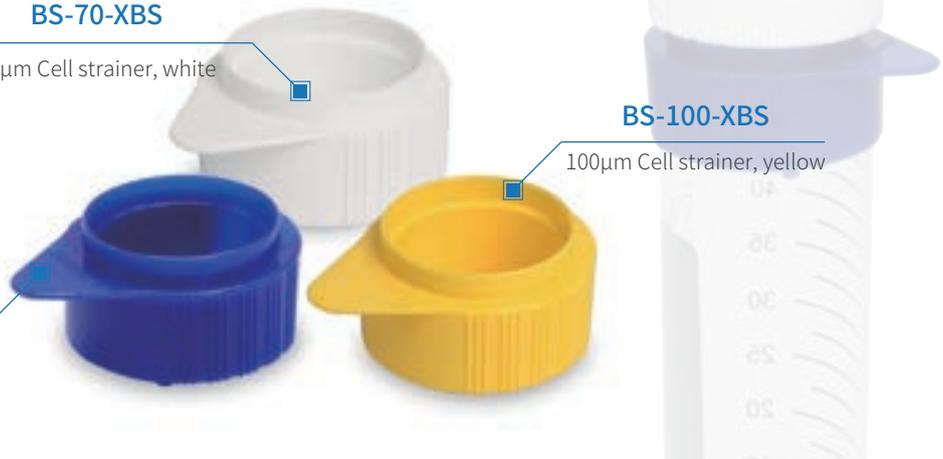
70µm Cell strainer, white

**BS-100-XBS**

100µm Cell strainer, yellow

**BS-40-XBS**

40µm Cell strainer, blue



## Ordering information

	Cat.No.	Pore Size	Color	Sterility	Packaging
■	BS-40-XBS	40µm	Blue	Sterile	1pc/bag, 50bags/case
□	BS-70-XBS	70µm	White	Sterile	1pc/bag, 50bags/case
■	BS-100-XBS	100µm	Yellow	Sterile	1pc/bag, 50bags/case
■	BS-40-ECS	40µm	Blue	Sterile	1pc/bag, 50bags/box
□	BS-70-ECS	70µm	White	Sterile	1pc/bag, 50bags/box
■	BS-100-ECS	100µm	Yellow	Sterile	1pc/bag, 50bags/box



- Nylon membrane, available in 3 membrane sizes, 40 µm, 70 µm, and 100 µm
- Three different colors: blue, white, and yellow
- Fit into most 1.5~15 mL tube
- Stackable design allows for sequential filtration from large to small mesh sizes
- Ready-to-use, sterile by irradiation, nonpyrogenic
- Single packaging facilitates aseptic working and reduces risk of contamination
- Disposables



BS-70-ECS

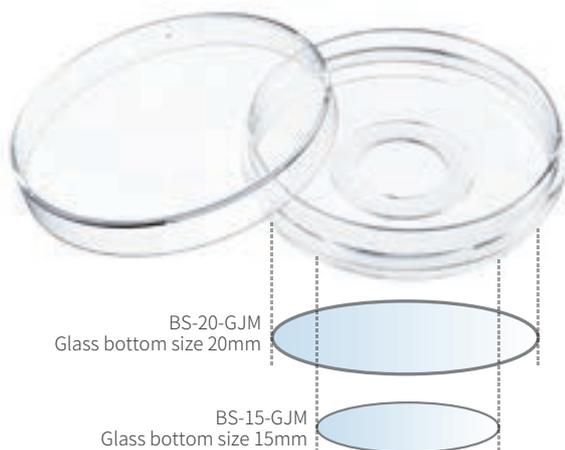
BS-40-ECS

BS-100-ECS

## Confocal Dish

Biosharp Confocal Dishes combines the convenience of a standard 35mm cell culture dish with the imaging benefits of coverglass to provide the optimum optical characteristics required for high-magnification microscopy and confocal image analysis. These dishes are made from borosilicate glass. Ideally suited for using in fluorescent microscope experiments, confocal microscopy, and phase-contrast microscopic experiments. Dish surfaces are smooth and free from striation to maximize usable area for growth. Recommending used for Fluorescence microscopy, Confocal microscopy, Live cell imaging, Fluorescence in situ hybridization (FISH).

C-03



- Available with 2 different glass bottom sizes of 15mm or 20mm
- Glass thickness is 0.16-0.19mm
- TC-treated
- Working volume: 3mL
- Can be used for live cells observation
- Borosilicate glass construction, with high homogeneity, low bubble, and low inclusion content
- Nonpyrogenic, noncytotoxic
- Sterile



paper/plastic packed



### Ordering information

Cat.No.	Description	Packaging
BS-15-GJM	Confocal dish, 35mm, glass bottom size 15mm, sterile, clear, individual pack	1pc/bag, 20bags/unit, 10units/case
BS-20-GJM	Confocal dish, 35mm, glass bottom size 20mm, sterile, clear, individual pack	1pc/bag, 20bags/unit, 10units/case
BS-15-GJM-B	Confocal dish, 35mm, glass bottom size 15mm, sterile, black, individual pack	1pc/bag, 20bags/unit, 10units/case
BS-20-GJM-B	Confocal dish, 35mm, glass bottom size 20mm, sterile, black, individual pack	1pc/bag, 20bags/unit, 10units/case
BS-15A-GJM	Confocal dish, 39mm, glass bottom size 15mm, clear, sterile	1pc/bag, 20bags/unit, 10units/case
BS-20A-GJM	Confocal dish, 39mm, glass bottom size 20mm, clear, sterile	1pc/bag, 20bags/unit, 10units/case
BS-15A-GJM4	Confocal dish, 39mm, glass bottom size 15mm, 4 compartments, clear, sterile	1pc/bag, 20bags/unit, 10units/case
BS-20A-GJM4	Confocal dish, 39mm, glass bottom size 20mm, 4 compartments, clear, sterile	1pc/bag, 20bags/unit, 10units/case

## Confocal Plate

Biosharp Confocal Plate with a glass bottom is easy to use and facilitates preparation of cells for microscopic analysis. Black and clear plates are available. Optically clear with low background fluorescence coverglass was used. Ideal for use in high resolution and inverted microscopy, fluorescence imaging in live cells, confocal microscopy and micro-manipulations.

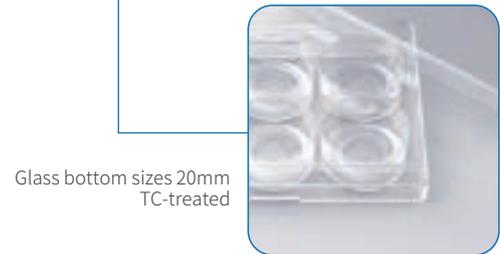
- Polystyrene with Glass-bottom
- Glass bottom sizes 20mm
- Glass thickness is 0.16-0.19mm
- TC-treated
- Can be used for live cells observation
- Nonpyrogenic, noncytotoxic
- Sterile



C-04



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Glass bottom sizes 20mm  
TC-treated



**BS-CP-6B**



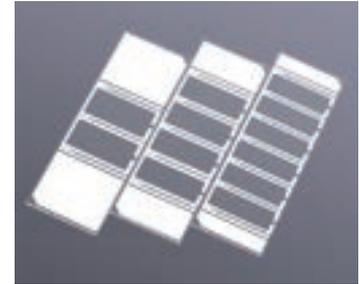
**BS-CP-6C**

### Ordering information

Cat.No.	Description	Packaging
BS-CP-6C	6-Well confocal plate, TC-treated, clear plate	1pc/bag, 50bags/case
BS-CP-6B	6-Well confocal plate, TC-treated, black plate	1pc/bag, 50bags/case

## Cell counting slide

Biosharp cell counting slide is composed of a standard microscope slide and a cover slip. It is a specially designed slide for sperm counting and motility analysis, and can also be used for the concentration assessment of microalgae, cell components, or other cell suspensions. All the slides are disposable and ready to use, avoiding contamination or interference caused by repeated use. When a small amount of sample is added at the sample inlet, the liquid will be evenly distributed in the chamber through capillary action. The coating used on the slide is made of a special material, which has excellent biocompatibility and has no impact on the cell viability in the sample. At the same time, since the thickness of the coating is precisely controlled, the cells in the chamber are all in one single layer, which is conducive to observation and counting



C-05



### Ordering information

Cat.No.	Description	Packaging
BS-MSS-25-6	Cell counting slide, 6-chamber, H.25um	25pcs/box

## Hemocytometer slide

Hemocytometer slide is a commonly used tool for cell counting. It's made of high-quality thick glass and can be reused. Each counting chamber is divided into two identical counting pools by an H-shaped groove. There is a support pillar on each side of the counting pool. When a cover slip is placed over it, a counting pool with a height of 0.10mm is formed. Hemocytometer is often used to count blood cells, such as red blood cells, white blood cells, and can also be used for the counting of some microorganisms like bacteria, fungi, and yeasts.



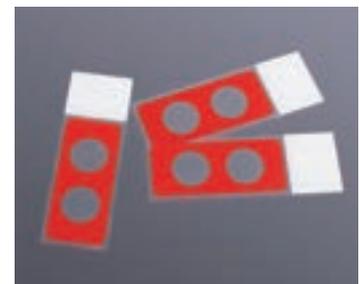
### Ordering information

Cat.No.	Description	Packaging
BS-QT-1103	Hemocytometer slide	1pc/unit
BS-QT-059	Hemocytometer cover glass	100pcs/box

## Comet assay slides

Biosharp's comet assay slides dedicated to comet electrophoresis are crafted from high-quality ultra-white glass. Ultra-white glass offers exceptional optical clarity, which is crucial for accurately observing the results of comet electrophoresis. Its high transparency allows for clear visualization of DNA damage patterns in cells, ensuring that researchers can precisely analyze the comets formed during the electrophoresis process.

- Available: circular 2-well and 3-well
- Surface inside the round wells is specially treated for adhesion, makes it easier to adhere the agarose gel and prevents the sample from falling off
- Outside area is coated with red Teflon to avoid cross-contamination between wells



### Ordering information

Cat.No.	Description	Packaging
BS-CES-02A	Comet assay slides, 2-well	5pcs/unit
BS-CES-02B	Comet assay slides, 2-well	25pcs/unit
BS-CES-03A	Comet assay slides, 3-well	5pcs/unit
BS-CES-03B	Comet assay slides, 3-well	25pcs/unit

## Cell Culture Plate

Biosharp Cell Culture Plates are made of high-quality polystyrene materials, with strict process control, and ergonomic design. These polystyrene plates have a consistent tissue culture surface.

Each plate features alphanumeric well identification. Sterilized by irradiation. These plates are with flat bottom, plates can be stacked together for efficient use of incubator space. White microplates enhance luminescent signals and have low background luminescence. Black microplates have low background fluorescence and minimize light scattering.

- Made of high-quality polystyrene material
- Size: 127.4\*85.1\*16.1mm
- Flat bottom
- TC-Treated for optimal cell attachment
- Alphanumeric labeling
- Working volume is 75-200uL
- Individually Packaged
- DNase-/RNase-free
- Sterile



Alphanumeric indexing



**BS-MP-96B**

96-Well cell culture plate, black bottom, black cap



**BS-MP-96W**

96-Well cell culture plate, white bottom, white cap



**BS-MP-96B-CL**

96-Well cell culture plate, black bottom, clear cap



**BS-MP-96W-CL**

96-Well cell culture plate, white bottom, clear cap

### Ordering information

Cat.No.	Description	Packaging
BS-MP-96B	96-Well cell culture plate, black plate, black lid	1pc/bag, 50bags/case
BS-MP-96W	96-Well cell culture plate, white plate, white lid	1pc/bag, 50bags/case
BS-MP-96B-CL	96-Well cell culture plate, black plate, clear lid	1pc/bag, 50bags/case
BS-MP-96W-CL	96-Well cell culture plate, white plate, clear lid	1pc/bag, 50bags/case

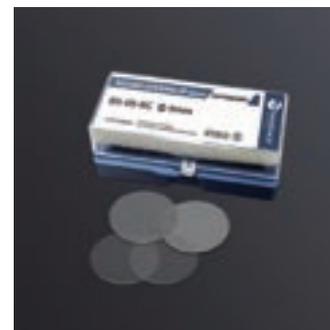
C-06



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## Round Cover Glass

Biosharp Round Cover Glasses are made of pure white borosilicate glass with excellent chemical resistance and flatness, and are free of bubbles and scratches. These cover glasses offer maximum clarity, and uniform thickness and size. TC-treated for optimal cell attachment, suitable for fluorescence microscopy.

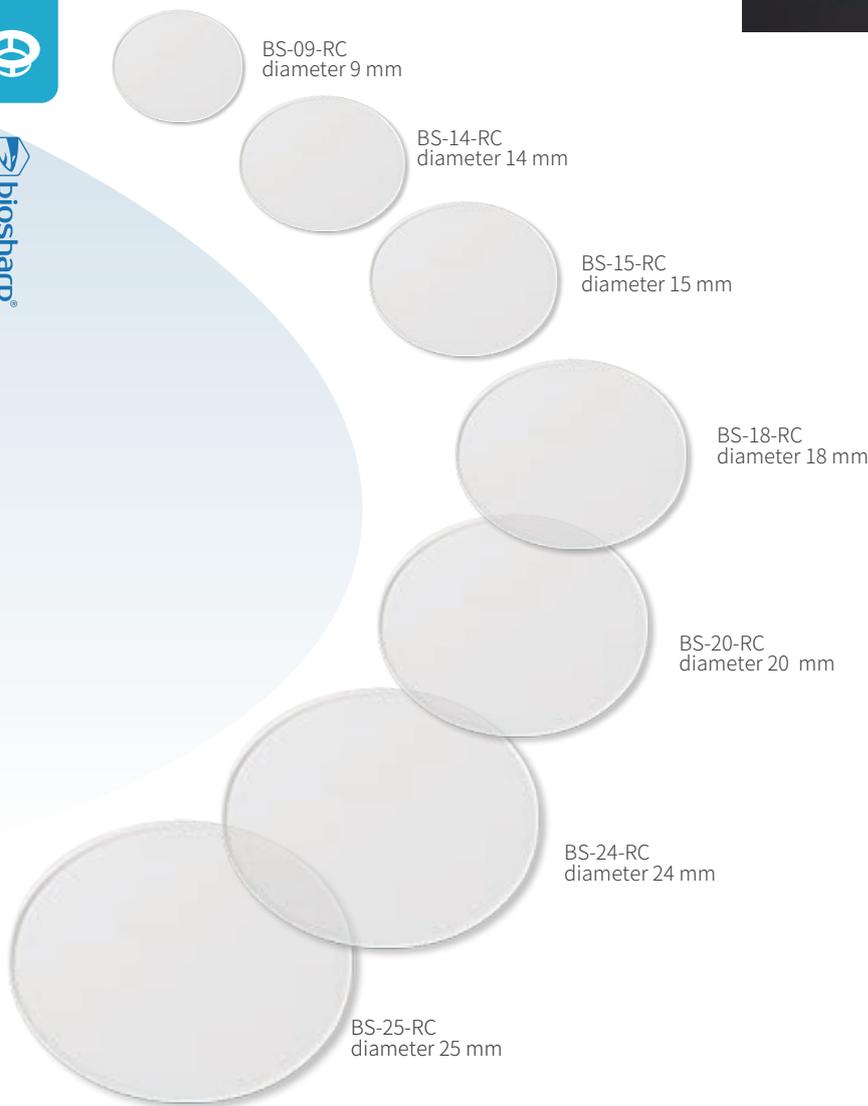


Optical clear borosilicate glass

- Borosilicate glass fabrication
- Excellent chemical resistance and flatness
- Suitable for fluorescence microscopy
- TC-treated
- Thickness: 0.19-0.22mm
- Nonpyrogenic
- DNase-/RNase-free
- Sterile



Superior corrosion resistance, uniform thickness and size



BS-09-RC  
diameter 9 mm

BS-14-RC  
diameter 14 mm

BS-15-RC  
diameter 15 mm

BS-18-RC  
diameter 18 mm

BS-20-RC  
diameter 20 mm

BS-24-RC  
diameter 24 mm

BS-25-RC  
diameter 25 mm

### Ordering information

Cat.No.	Description	Diameter (mm)	Packaging
BS-09-RC	Cover glass, round, for 48-well cell culture plate, sterile	9	100pcs/box
BS-14-RC	Cover glass, round, for 24-well cell culture plate, sterile	14	100pcs/box
BS-15-RC	Cover glass, round, for 24-well cell culture plate, sterile	15	100pcs/box
BS-18-RC	Cover glass, round, for 12-well cell culture plate, sterile	18	100pcs/box
BS-20-RC	Cover glass, round, for 12-well cell culture plate, sterile	20	100pcs/box
BS-24-RC	Cover glass, round, for 6-well cell culture plate, sterile	24	100pcs/box
BS-25-RC	Cover glass, round, for 6-well cell culture plate, sterile	25	100pcs/box

C-07



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## Cryogenic Vial

Biosharp Cryogenic Vials are manufactured from high-quality polypropylene for store cells, tissues, microbiological samples. Designed for storing biological material, human or animal cells at temperatures as low as  $-196^{\circ}\text{C}$ , but should be used only in the Vapor phase of liquid nitrogen.

Closure cap and tubes are made of polypropylene with the same coefficient of expansion, which further enhances the leak-proof qualities of these vials at various temperatures. Each item has a large white marking area and printed graduations.



- Manufactured from polypropylene to withstand temperatures down to  $-196^{\circ}\text{C}$
- Internal or external threaded closure options available
- White graduations for easier filling
- Large marking area for easier sample identification
- Self-standing design for easy operation
- DNase-/RNase-free
- Nonpyrogenic
- Sterilized by radiation

C-08



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BS-20-ST50 2mL    BS-20-ST55 2mL    BS-20-ST60 2mL    BS-20-ST65 2mL

### Ordering information

Cat.No.	Description	Packaging
BS-20-ST50	2.0mL Cryogenic vial, external thread, sterile	50pcs/bag, 20bags/case
BS-20-ST55	2.0mL Cryogenic vial, external thread, sterile	50pcs/bag, 20bags/case
BS-20-ST60	2.0mL Cryogenic vial, internal thread, sterile	50pcs/bag, 20bags/case
BS-20-ST65	2.0mL Cryogenic vial, internal thread, sterile	50pcs/bag, 20bags/case
BS-40-ST50	4.0mL Cryogenic vial, external thread, sterile	50pcs/bag, 20bags/case
BS-40-ST60	4.0mL Cryogenic vial, internal thread, sterile	50pcs/bag, 20bags/case
BS-50-ST50	5.0mL Cryogenic vial, external thread, sterile	50pcs/bag, 20bags/case
BS-50-ST60	5.0mL Cryogenic vial, internal thread, sterile	50pcs/bag, 20bags/case
BS-20-ST2D	2.0ml 2D Cryogenic vial, external thread, sterile	100pcs/rack, 6racks/unit, 4units/case



BS-40-ST50 4mL    BS-40-ST60 4mL    BS-50-ST50 5mL    BS-50-ST60 5mL

#### Precaution:

##### Handling of liquid nitrogen

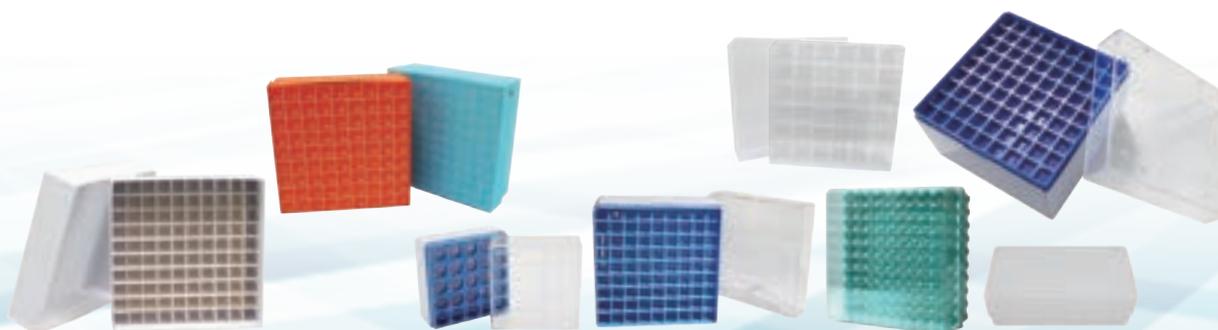
1. Store tubes in the vapor phase for safety reasons.
2. In the liquid phase, liquid nitrogen may flow into the tube, resulting in the tube rupture and the nitrogen spatter during defrosting.
3. Wear a face shield, protective clothes, and gloves when handling liquid nitrogen for defrosting.

## Cryogenic Vial Box

Cryogenic Vial Boxes are ideal for ultra-low temperature storage of both internally- and externally-threaded cryogenic vials. Some cryogenic vial boxes have printed grid for inventory purposes permits viewing of contents and is keyed to prevent misalignment. These cryogenic vial storage boxes accept writing with markers designed for ultra-low temperatures for easy sample identification. Available in a variety of arrays, capacities and colors to brighten up your lab.



Biosharp Cryogenic Vial Boxes are intended to hold the 2.0mL and 5mL cryogenic vials. They are made from cardboard or plastic. Cardboard cryogenic vial box and polypropylene cryogenic vial box can withstand temperatures down to  $-80^{\circ}\text{C}$ . Polypropylene cryogenic vial box with polycarbonate lid (T130-3-81/T142-3-100) are fully autoclavable and withstand temperatures ranging from  $-196^{\circ}$  to  $+121^{\circ}\text{C}$ , the polycarbonate lid is printed with numbers for easy sample identification. The cryogenic vial boxes are safe to use at ultra-low temperatures. Reusable racks are designed for use with most cryogenic vials.



## Cardboard Cryogenic Vial Box

- Made from cardboard
- Liquid-resistant coating
- Suitable for use in refrigerators and cryogenic freezer systems
- Designed for the compact storage of sample tubes and cryogenic vials in a temperature down to  $-80^{\circ}\text{C}$
- Cost-effective and with the convenience of discarding

### Standard design

#### Ordering information

Type	Cat.No.	Material	Tubes (mL)	Wells	Packaging
	BS-20-TB81Z	Cardboard	0.5mL, 1.5mL, 2.0mL	81	50pcs/case
	BS-20-TB100Z			100	
	BS-20-TB81Z-WP	Cardboard, waterproof		81	
	BS-20-TB100Z-WP			100	
	BS-20-TB100Z-B			100	

### Hinged lid design

#### Ordering information

Type	Cat.No.	Material	Tubes (mL)	Wells	Packaging
	BS-CVB-81P	Cardboard	0.5mL, 1.5mL, 2.0mL	81	50pcs/case
	BS-CVB-81Z			81	
	BS-CVB-100Z			100	



## Polypropylene (PP) Cryogenic Vial Box

- Made from polypropylene material
- More durable than card boxes as they are not susceptible to moisture
- Provide compact storage and keep cryo vials in the freezer, or during transport
- Store down to temperatures of -80°C
- Autoclavable for decontamination



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### Ordering information

Type	Cat.No.	Material	Tubes (mL)	Wells	Packaging
	BS-20-TB10S	Polypropylene	2.0mL	10	50pcs/case
	BS-20-TB50S			50	
	BS-20-TB81S			81	
	BS-20-TB100S			100	
	BS-50-TB36S		5.0mL	36	

## Polycarbonate (PC) Cryogenic Vial Box

- Can be used in temperatures from  $-196\text{ }^{\circ}\text{C}$  to  $+121\text{ }^{\circ}\text{C}$
- Transparent lid to easily see the contents
- Chemically resistant to alcohols and mild solvents
- Significantly reduces the chance of mold
- The lid is printed with numbers for easy sample identification
- Autoclavable for decontamination
- Black ones available for light sensitive samples

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### Ordering information

Type	Cat.No.	Material	Tubes (mL)	Wells	Packaging
	T130-3-81	Polypropylene box, Polycarbonate lid	2.0mL	81	50pcs/case
	T142-3-100			100	
	BS-CVBP-81B			81	30pcs/case
	BS-CVBP-100B			100	
	BS-CBP20-25	Polycarbonate	2.0mL	25	50pcs/case
	BS-CVBH-81-B		2.0mL	81	
	BS-CBP50-81		5.0mL	81	24pcs/case

## Cryogenic Vial Rack

- Polypropylene construction, withstand temperatures down to  $-80\text{ }^{\circ}\text{C}$
- Holds up to 50 Cryogenic Vials of 1-5 mL
- Anti-skid rubber feet for benchtop stability
- Allows one-handed opening and closing
- Alphanumeric indexing for easy vial identification

### Ordering information

Cat.No.	Description	Packaging
BS-20-CR	Cryogenic Vial Racks, 50-well	1pc/bag, 50bags/case



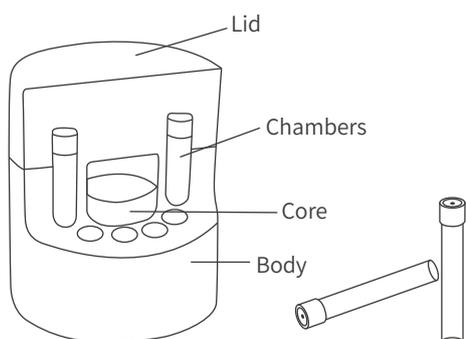
C-13



*12\*2mL cryogenic vials*  
*12\*5mL cryogenic vials*

## Cell Freezing Container, Alcohol-free

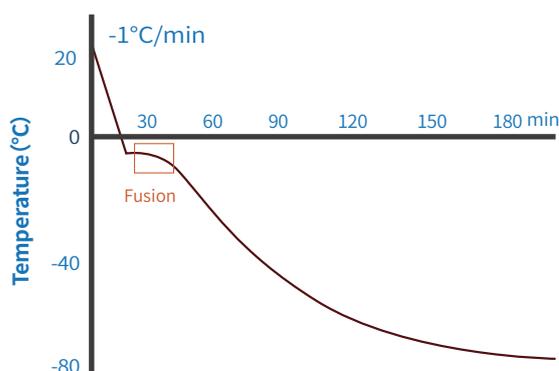
Biosharp Cell Freezing Container in combination with a  $-80^{\circ}\text{C}$  freezer, will provide alcohol-free freezing at the rate of  $-1^{\circ}\text{C}/\text{minute}$  that is ideal for cryopreservation of most cells and cell lines. Using a combination of uniform-density cross-linked polyethylene foam, a solid state core, freezing profiles are consistent and reproducible. The foam is non-absorbent and will impose negligible change in the freezer environment; thereby protecting nearby frozen samples. The small footprint and low profile make this an ideal cooling solution for cell preparat performed.



- For 12 standard cryogenic vials
- No alcohol or fluids required
- Provide alcohol-free freezing at the rate of  $-1^{\circ}\text{C}/\text{minute}$
- Lower cost of use than alcohol-based devices
- Easy and safe to open when frozen
- High cell recovery and cell viability
- Simple, consistent way to standardize controlled-rate freezing
- No maintenance, no waste

### Ordering information

Cat.No.	Description	Packaging
BS-02-CFC	12*2mL Cell freezing container	1pc/unit, 12units/case
BS-05-CFC	12*5mL Cell freezing container	1pc/unit, 12units/case



Biosharp cell freezing container fusion time and cooling profiles.

## Cell Freezing Container, Traditional

Biosharp Cell Freezing Containers are easy to use, as it only requires 100% isopropyl alcohol and a mechanical freezer. The polycarbonate containers are supplied with blue high-density polyethylene closures. Each container is equipped with a gray high-density polyethylene vial holder and foam insert. The rigid vial holder isolates the vials from alcohol, preventing contamination of samples by wicking.



- Withstands repeated freezing and thawing
- Containers are labeled with graphic, step-by-step instructions
- Provides critical repeatable  $-1^{\circ}\text{C}/\text{minute}$  cooling rate required for successful cell cryo preservation and recovery
- Suitable for cryogenic tubes and vials, allowing for cost efficient cell cryopreservation and recovery

### Ordering information

Cat.No.	Description	Packaging
BS-02-CFC-N	18*2mL Cell freezing container	1pc/unit, 12units/case
BS-05-CFC-N	12*5mL Cell freezing container	1pc/unit, 12units/case



# IHC & WB Consumables



IHC Incubation Box  
Western Blot Box  
Antibody Incubation Bags  
Reaction Folders  
Transfer Membrane  
Sponge Pad  
Western Blotting Filter Paper  
Slide Tray  
Slide Storage Box

Slide Mailer  
Staining Rack  
Microscope Slides  
Adhesion Microscope Slides  
Glass Plate Rack  
Antigen Retrieval Box  
Tissue Capture Pen  
PAP Pen

## IHC Incubation Box

Biosharp IHC Incubation Boxes are designed specifically for the incubation and storage of immunohistochemistry slides, these boxes securely hold up to 10 or 20 slides in place and the built-in reservoir allows water to be added during incubation.

Lids are available in black or clear. Black lid shields light-sensitive slides, eliminating the need to wrap staining trays in aluminum foil. These boxes stack easily and securely on top of each other for a neat and tidy benchtop.

- Acrylonitrile butadiene styrene material
- Lids are available in black or clear
- Designed specifically for the incubation and storage of IHC slides
- Available with four sizes to satisfy different applications



BS-WB-10B

### Ordering information

Cat.No.	Description	Packaging
BS-WB-10C	IHC incubation box, white box, clear lid, holds up to 10 slides in place	1pc/bag, 20bags/case
BS-WB-20C	IHC incubation box, white box, clear lid, holds up to 20 slides in place	1pc/bag, 16bags/case
BS-WB-10B	IHC incubation box, black, holds up to 10 slides in place	1pc/bag, 20bags/case
BS-WB-20B	IHC incubation box, black, holds up to 20 slides in place	1pc/bag, 16bags/case



BS-WB-10C



BS-WB-20B



BS-WB-20C

## Western Blot Box

- Polypropylene material (PP) and polycarbonate (PC) material are available
- Ideal for incubating western blots
- With four types available
- Flat and smooth inner surface
- With lids to reduce evaporation
- Reusable



D-01



## Ordering information

Cat.No.	Description	Material	Packaging
BS-WB-01	Incubation box for western blot, 6.0*9.0*3.5cm	PP	1pc/bag, 100bags/case
BS-WB-05	Incubation box for western blot, 5 chamber, 14.5*10*3.5cm	PP	1pc/bag, 100bags/case
BS-WB-01-PC	Incubation box for western blot, 6.0*9.0*3.5cm	PC	1pc/bag, 50bags/case
BS-WB-05-PC	Incubation box for western blot, 5 chamber, 14.5*10*3.5cm	PC	1pc/bag, 50bags/case

D-02



## Antibody Incubation Bags

- Size: 95x95mm
- For antibody incubation reactions
- Sealable, can be sealed with a heat-sealer
- Only need 1ml of antibody each time, which is more economical
- Compared with normal sealing bags, lower retention



## Ordering information

Cat.No.	Description	Packaging
BS-SHB-095	Antibody incubation bags	200pcs/box

## Reaction Folders

Usage: put wet membrane into this reaction folder, add the luminescent liquid, close the folder, and then start the exposure process.

- Size: 135x95mm
- Open on three sides
- Allow easier insertion of a wet membrane



## Ordering information

Cat.No.	Description	Packaging
BS-RF-135	Reaction folders	50pcs/bag

## Transfer Membrane

Biosharp Transfer Membranes are used in blotting techniques as the solid phase support upon which proteins or nucleic acids are transferred from gel matrices so that detection and analysis may be performed. After size separation by electrophoresis in a polyacrylamide, proteins or nucleic acids are immobilized on a solid matrix membrane, facilitating the detection of specific proteins or nucleic acids using antibodies directed against the target of interest.



### Ordering information

Cat.No.	Description	Packaging
BS-NC-22	Nitrocellulose transfer membrane, 0.22µm, 15cm*20cm	1piece
BS-NC-45	Nitrocellulose transfer membrane, 0.45µm, 15cm*20cm	1piece
BS-NY-45	Nylon transfer membrane, positively charged, 0.45µm, 15cm*15cm	1piece
BS-PVDF-22	PVDF transfer membrane, 0.2µm, 15cm*13.5cm	1piece
BS-PVDF-22-S	PVDF transfer membrane, 0.2µm, 6.6*8.5cm	20pcs/box
BS-PVDF-45	PVDF transfer membrane, 0.45µm, 15cm*13.5cm	1piece
BS-PVDF-45-S	PVDF transfer membrane, 0.45µm, 6.6*8.5cm	20pcs/box

## Sponge Pad

Biosharp filter-paper-free sponge pad can be directly used for protein or nucleic acid transfer in experiments such as Western blotting, Northern blotting, Southern blotting, and EMSA. It simplifies the assembly of the sandwich structure, from the negative electrode to the positive electrode, simply place the membrane transfer sponge pad, gel, transfer membrane, and another sponge pad in sequence. There is no need for the porous pads and transfer filter papers in the transfer tank.



- Dimension: 80×110×6mm
- Endure methanol, ethanol, and other common membrane-transfer-related organic reagents
- It features strong water absorption, a flat surface, uniform texture, and good result reproducibility
- Free of additives, it doesn't interfere with experimental results
- It won't distort, deform protein bands or cause noise on the transfer membrane during transfer
- Suitable for the LABGIC small transfer tank (L-VET-TRANS2), Bio-Rad Mini Trans-Blot and other transfer tanks of similar size for 2 gels

### Ordering information

Cat.No.	Description	Packaging
BS-FFPS-02A	Sponge pad, filter paper free, 80*110*6mm	20pcs/bag
BS-FFPS-02B	Sponge pad, filter paper free, 80*110*6mm	100pcs/bag

D-03



Life sciences  
**biosharp**<sup>®</sup>

## Western Blotting Filter Paper

Biosharp Western Blotting Filter Papers are pre-cut cotton sheets for wet or semi-dry, passive or electrophoretic transfer of proteins from polyacrylamide gels (SDS-PAGE) to PVDF, nitrocellulose, or other membranes. Filter paper for Western blotting applications is available in various formats including pre-cut sizes that match standard gel sizes.

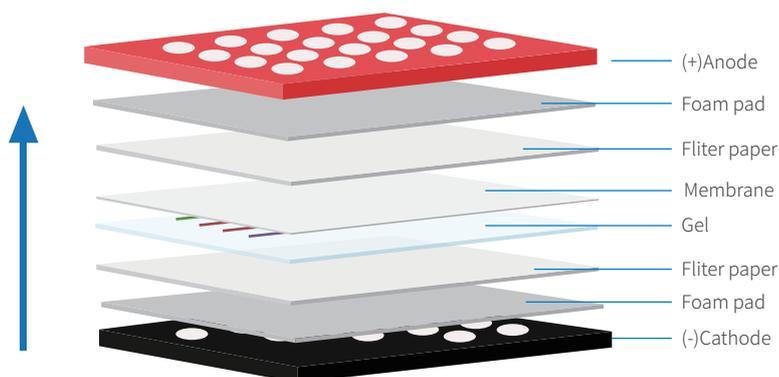
These blotting papers help to ensure quick and efficient transferring molecules from a gel to membrane of choice. Biosharp filter papers are suitable for use with alcohol or other organic solvents commonly used in protein and nucleic acid blotting applications. Choose extra-thick filter paper (1mm) for high capacity blotting or to eliminate using multiple sheets (standard thickness paper for traditional procedures also available).

- High-quality
- Three thicknesses available: 0.3mm, 0.6mm, 1mm
- High-quality clean cotton cellulose fiber paper
- Easy to use
- Tested and recommend for use with various protein methods
- With smooth surface, strong water absorption



High-quality clean cotton cellulose fiber paper

Three thicknesses available:  
0.3mm, 0.6mm, 1mm



### Ordering information

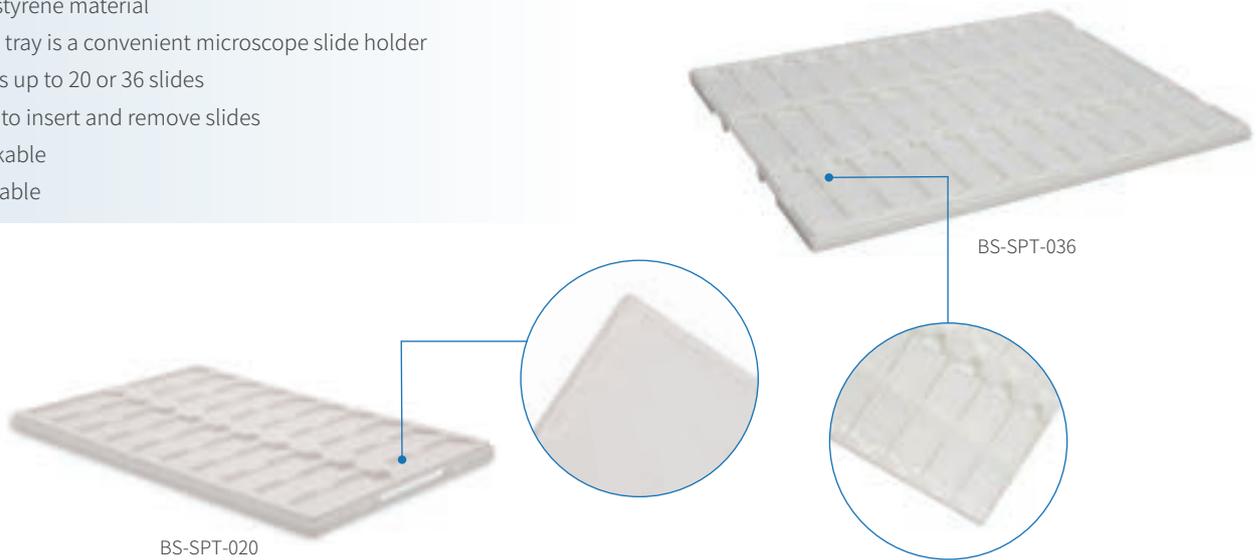
Cat.No.	Description	Thickness	Packaging
BS-TPB-01A	Western blotting filter papers, 7.5*10cm	1mm	16pcs/bag
BS-TPB-01B	Western blotting filter papers, 7.5*10cm	1mm	100pcs/box
BS-TPL-01B	Western blotting filter papers, 7.5*8.4cm	0.3mm	100pcs/box
BS-TPB-02B	Western blotting filter papers, 7.5*10cm	0.3mm	100pcs/box
BS-TPW-01B	Western blotting filter papers, 20*20cm	0.3mm	100pcs/box
BS-TPL-03B	Western blotting filter papers, 7.5*8.4cm	0.6mm	100pcs/box
BS-TPB-03B	Western blotting filter papers, 7.5*10cm	0.6mm	100pcs/box
BS-TPW-03B	Western blotting filter papers, 20*20cm	0.6mm	100pcs/box

D-04



## Slide Tray

- Polystyrene material
- Slide tray is a convenient microscope slide holder
- Holds up to 20 or 36 slides
- Easy to insert and remove slides
- Stackable
- Reusable



D-05



### Ordering information

Cat.No.	Description	Packaging
BS-SPT-036	Plastic slide tray, 28.8*35.6*1.3cm, for 36 slides, white	1pc/bag, 50bags/case
BS-SPT-020	Plastic slide tray, 19.5*30*1.1cm, for 20 slides, white	1pc/bag, 100bags/case
BS-SPT-020-W-05	Plastic slide tray, 19.5*30*1.1cm, for 20 slides, white	5pcs/bag, 10bags/case
BS-SPT-020-W-10	Plastic slide tray, 19.5*30*1.1cm, for 20 slides, white	10pcs/bag, 5bags/case
BS-SPT-020-B-01	Plastic slide tray, 19.5*30*1.1cm, for 20 slides, blue	1pc/bag, 50bags/case
BS-SPT-020-B-05	Plastic slide tray, 19.5*30*1.1cm, for 20 slides, blue	5pcs/bag, 10bags/case
BS-SPT-020-B-10	Plastic slide tray, 19.5*30*1.1cm, for 20 slides, blue	10pcs/bag, 5bags/case
BS-SPT-020-G-01	Plastic slide tray, 19.5*30*1.1cm, for 20 slides, green	1pc/bag, 50bags/case
BS-SPT-020-G-05	Plastic slide tray, 19.5*30*1.1cm, for 20 slides, green	5pcs/bag, 10bags/case
BS-SPT-020-G-10	Plastic slide tray, 19.5*30*1.1cm, for 20 slides, green	10pcs/bag, 5bags/case
BS-SPT-020-P-01	Plastic slide tray, 19.5*30*1.1cm, for 20 slides, pink	1pc/bag, 50bags/case
BS-SPT-020-P-05	Plastic slide tray, 19.5*30*1.1cm, for 20 slides, pink	5pcs/bag, 10bags/case
BS-SPT-020-P-10	Plastic slide tray, 19.5*30*1.1cm, for 20 slides, pink	10pcs/bag, 5bags/case



## Slide Storage Box

Biosharp Slide Storage Box are made of ABS material. Mainly used for store and transport from 10 to 100 slides safely with durable ABS cases. Snap-lock clasp keeps the lid securely fastened. Index card mounted inside the lids allows for sample specimen identification. Biosharp slide storage box keep standard microscope slides in numbered, grooved slots. It also provides safe, dust-free storage.



BS-QT-PB100



BS-QT-PB50

- Acrylonitrile Butadiene Styrene material
- For the storage and transport of slides
- Snap-lock clasp keeps the lid securely fastened, and easy for one-hand operation
- Index card mounted inside the lids allows for sample specimen identification
- Available with five specifications to satisfy different applications
- Reusable



BS-QT-PB010



BS-QT-PB012



BS-QT-PB025

### Ordering information

Cat. No.	Description	Package
BS-QT-PB010	Slide storage box, for 10 slides, white	10pcs/bag, 20bags/case
BS-QT-PB012	Slide storage box, for 12 slides, white	10pcs/bag, 20bags/case
BS-QT-PB025	Slide storage box, for 25 slides, white	5pcs/bag, 20bags/case
BS-QT-PB50	Slide storage box, for 50 slides, white	1pc/bag, 50bags/case
BS-QT-PB100	Slide storage box, for 100 slides, white	1pc/bag, 25bags/case
BS-QT-PB012-O	Slide storage box, for 12 slides, orange	10pcs/bag, 20bags/case
BS-QT-PB025-O	Slide storage box, for 25 slides, orange	5pcs/bag, 40bags/case
BS-QT-PB050-O	Slide storage box, for 50 slides, orange	1pc/bag, 120bags/case
BS-QT-PB100-O	Slide storage box, for 100 slides, orange	1pc/bag, 50bags/case



BS-QT-PB012-O



BS-QT-PB025-O



BS-QT-PB050-O



BS-QT-PB100-O

D-06



## Slide Mailer

- Polypropylene material
- Ideal for shipping, storing, or staining slides
- Snap-lock clasp keeps the lid securely fastened
- Reusable



### Ordering information

Cat.No.	Description	Packaging
BS-QT-PB001	Plastic slide mailer, PP, for 1 slide	200pcs/bag, 10bags/case
BS-QT-PB002	Plastic slide mailer, PP, for 2 slides	100pcs/bag, 10bags/case
BS-QT-PB003	Plastic slide mailer, PP, for 3 slides	100pcs/bag, 10bags/case
BS-QT-PB005	Plastic slide mailer, PP, for 5 slides, 9*4.5*4cm	50pcs/bag, 10bags/case
BS-QT-PBV002	Plastic slide mailer, PP, for 2 slide, clear	100pcs/box, 10boxes/case
BS-QT-PBV002-B	Plastic slide mailer, PP, for 2 slide, blue	100pcs/box, 10boxes/case

D-07



## Staining Rack

Biosharp Staining Rack constructed of stainless steel. Staining rack will hold up to 60 microscope slides with dimensions 75\*25 mm (1"\*3"). The slides fit into individual slots for free passage and rapid drainage of staining fluids. Since they are placed vertically in the rack and not horizontally, their writing area will not be stained by the fluid, allowing their removal without the use of forceps.



- Made of stainless steel
- Securely hold slides to stain cell components during manual staining procedures
- Designed to accommodate standard 75\*25 mm (1"\*3") slides
- Need to use with staining jar



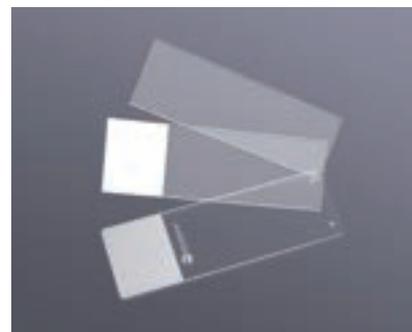
### Ordering information

Cat.No.	Description	Packaging
BS-20-SR	20-PC Staining Rack	1pc/box, 50boxes/case
BS-30-SR	30-PC Staining rack	1pc/box, 50boxes/case
BS-60-SR	60-PC Staining rack	1pc/box, 50boxes/case
BS-30-HSR	30-PC Staining rack, horizontal	1pc/box

## Microscope Slides

Microscope slides are used for observing various samples under a microscope. Biosharp slides are made of high-quality glass with a smooth and flat surface. The dense structure and ultra-clear surface, make it suitable for most microscopic observation experiments.

- Size: 25×75mm
- Thickness: 1.0~1.2mm
- Polished edges can effectively prevent being cut during experiment, greatly reducing the risk
- Three types are available



D-08



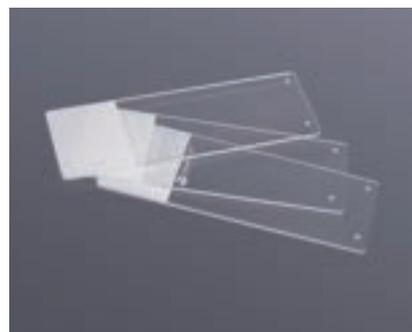
### Ordering information

Cat.No.	Description	Packaging
BC014	Microscope slides, 25×75mm	50pcs/box, 50boxes/case
BC071	Microscope slides, plain	50pcs/box, 50boxes/case
BC075	Microscope slides, single frosted	50pcs/box, 50boxes/case

## Adhesion Microscope Slides

Adhesion microscope slides, also known as anti-detachment slides, ion-modified slides, cell capture slides, etc. With surfaces modified by chemical or physical methods, they are widely used in immunohistochemistry experiments, pathological tissue and cell preparation. The modification surfaces of adhesion microscope slides can enhance the adhesion between cells or tissues and the slide, it is crucial in preventing cells or tissues from detaching during the experimental process. The writing area is compatible with various types of printers, such as thermal transfer printers, inkjet printer, laser printer, and is also suitable for manual writing. This allows for clear identification and labeling of the slides, which is important for tracking and organizing experimental samples.

- Size: 25×75mm
- Thickness: 1.0~1.2mm
- Ultra-white glass material with high cleanliness, no need for cleaning
- Positive charge treatment provides stronger adhesion
- Single-head, single-side with writing area allows direct marking for easily recording
- Polished edges and 45-degree chamfering treatment, effectively prevent being cut during experiment, greatly reducing the risk



### Ordering information

Cat.No.	Description	Packaging
BC041	Adhesion microscope slides, 25mm×75mm	50pcs/box, 40boxes/case

## Glass Plate Rack

Biosharp Glass Plate Racks are made of high-quality polystyrene material. The bottom heightening design makes the glass plate easy to dry. This “A” shaped rack has ten places for holding glass plates and a weighted base for safety.

It features a weight base to provide a secure transporting of the rack. Smooth polystyrene material to reduce chipping and cracking. A flat area on each end is designed for labels.

- Polystyrene material
- Easy to clean
- Space-saving design
- Weighted base to prevent tipping over
- Suitable for 10 units of gel glass plate simultaneously
- Reusable

Suitable for 10 units of gel glass plate



A weight base to provide a secure transporting of the rack



D-09



### Ordering information

Cat.No.	Description	Packaging
BS-QT-003	Glass plate rack, suitable for 10 units of gel glass plate	1pc/unit, 40units/case

## Antigen Retrieval Box

Biosharp Antigen Retrieval Boxes are mainly used for routine staining, immunohistochemistry includes Northern or Southern blotting. Each box comes with a dyeing rack with 24 pieces. This product has good heat conducting properties, can withstand high temperatures and can be heated in a microwave oven.



- Comes with a dyeing rack with 24 pieces
- Suitable for routine staining, immunohistochemistry and ISH include Northern or Southern blotting
- Good heat conducting properties, resists boiling and microwave heating

D-10



### Ordering information

Cat.No.	Description	Packaging
BS-24-PB	Antigen retrieval box	1pc/bag
BS-24-PB-IN	Insert of antigen retrieval box	1pc/unit
BS-24-PB-SG	Slide staining set with holder	1set/unit
BS-24-PB-SF	Staining jars holder, stainless steel	1pc/unit

## Tissue Capture Pen

The Tissue Capture Pen is designed for fixing various tissue sections (paraffin embedded, frozen etc.) The unique pen is unaffected by heat up to 120°C so it offers secure and firm adhesion of the tissue section. It can be used in immunostaining, insitu hybridization etc.



### Ordering information

Cat.No.	Description	Packaging
BC002	Tissue capture pen	8-10mL

## PAP Pen

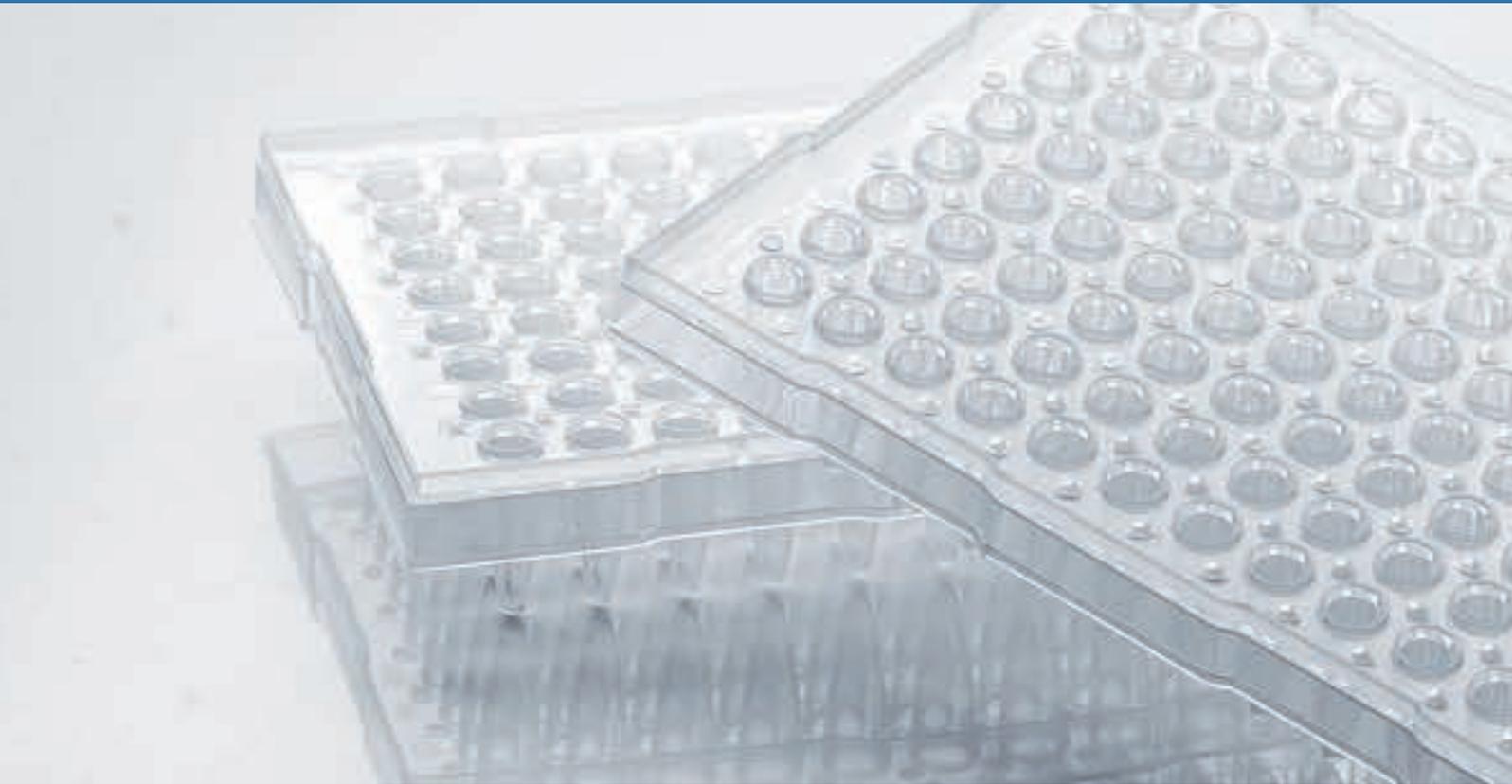
- Suitable for both immunohistochemical and fluorescent staining
- Drawing a water repellent circle around slide mounted tissue, & preventing the waste of valuable reagents by keeping the liquid pooled in a single droplet
- Chemically formulated to withstand the rehydration steps performed in alcohol, as well as the high temperatures required for denaturation during in situ hybridization
- Available in 3mL, 4mL, 6mL and 7mL to suit your application needs



### Ordering information

Cat.No.	Description	Packaging
BC003	PAP pen, 3mL	1pc/unit
BC004	PAP pen, 4mL	1pc/unit
BC005	PAP pen, 7mL	1pc/unit
BC006	PAP pen, 6mL	1pc/unit

# PCR Consumables



PCR Tubes & Strip  
96 Well PCR Plate  
Sealing Mat  
Sealing Film  
PCR Tube Rack

## PCR Tubes & Strip

Biosharp PCR Tubes & 8 Strip Tubes are designed to fit a wide variety of thermal cyclers. Ultra-thin and consistent wall thickness allows precise thermal transfer, ensures a tight fit to prevent evaporation.

- Manufactured from polypropylene material
- Designed for effective thermal conductivity
- Suitable for all kinds of universal PCR reactions
- Flat cap and domes cap single tubes are available
- Autoclavable
- Non-sterile



E-01



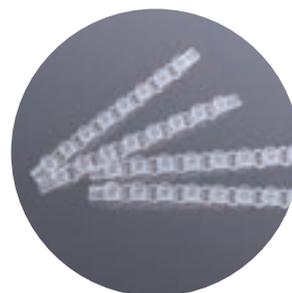
**BS-02-P**

PCR Single tubes, flat cap



**BS-02-PD**

PCR Single tubes, domed cap



### Ordering information

Cat.No.	Vol. (mL)	Tube Type	Packaging
BS-02-P	0.2	PCR Single tubes, flat cap	1000pcs/bag, 20bags/case
BS-02-PD	0.2	PCR Single tubes, domed cap	1000pcs/bag, 20bags/case
BS-0208-T	0.2	8 Strip tubes, clear	200strips/bag, 20bags/case
BS-0208-C	0.2	8 Strip flat caps, clear	200strips/bag, 20bags/case
BS-0208-PST	0.2	PCR 8 strip tube with flat caps, clear	200strips/bag, 10bags/case
BS-0208-PST-A	0.2	PCR 8 strip tube with flat caps, clear	125strips/bag, 10bags/case



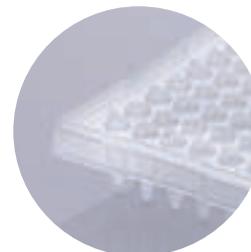
## 96 Well PCR Plate

Biosharp 96 Well PCR Plates are designed to fit standard 96 well blocks. Ultra-thin and consistent wall thickness allows precise thermal transfer for optimum results. Can be sealed with silicone sealing mat or sealing film.

- Manufactured from polypropylene material
- 2 Skirted types: non-skirted, semi-skirted
- Fit most popular thermal cyclers
- Autoclavable
- Ultra-thin and consistent wall thickness
- Non-sterile



Non-skirted



Semi-skirted

### Ordering information

Cat.No.	Material	Color	Skirt	Vol. (mL)	Packaging
BS-PC96-A	PP	Clear	Non-skirted	0.2	25plates/unit, 10units/case
BS-PC96-C	PP	Clear	Semi-skirted	0.2	20plates/unit, 10units/case
BS-PC96-D	PP	Clear	Non-skirted, elevated wells	0.2	20plates/unit, 10units/case



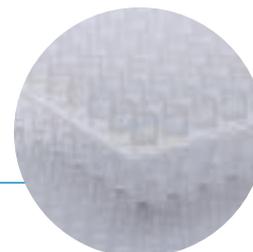
BS-PC96-A



BS-PC96-C



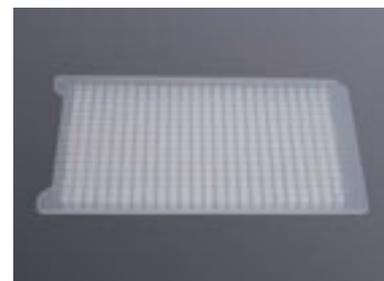
BS-PC96-D



## Sealing Mat

Biosharp Silicone Sealing Mat provides a highly effective seal, preventing evaporation and eliminating contamination between wells and are designed for most popular thermal cyclers. Made of high-quality silicone, with excellent chemical resistance.

- Material: silicone
- Excellent chemical resistance
- Withstand temperature range from -80 to 121°C
- Non-sterile



### Ordering information

Cat.No.	Description	Packaging
BS-PC96-F	96-Well silicone sealing mat, round wells	5sheets/bag, 20bags/case
BS-PC384-F	384-Well silicone sealing mat, round wells	5sheets/bag, 20bags/case



## Polyester Sealing Film

- Polyester, clear
- Adhesive
- For short term storage, standard PCR applications and ELISA
- Temperature range: -70°C to 100°C
- Non-sterile



E-03

### Ordering information

Cat.No.	Description	Packaging
BS-SF-A	Adhesive sealing film	100 sheets/box



## Aluminum Foil Sealing Film

- Aluminum foil material
- Foil sealing film are ideal for light-sensitive samples
- Not react with experimental samples ensure reliable results
- DNase-/RNase-free
- Non-sterile



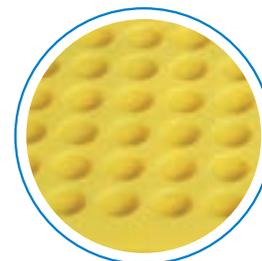
### Ordering information

Cat.No.	Description	Packaging
BS-ASF-001	Aluminum foil sealing film, 120μm, 125mm*80mm	100pcs/box
BS-ASF-002	Aluminum foil sealing film, 90μm, 125mm*80mm	100pcs/box
BS-ASF-003	Aluminum foil sealing film, 70μm, 125mm*80mm	100pcs/box

## PCR Tube Rack

Biosharp PCR Tube Racks are specifically designed for preparing and storing 0.2 mL thin-walled PCR tubes, strip tubes and 96-well plate before or after PCR sample processing applications. Each PCR tube rack holds ninety-six 0.2mL PCR tubes. Racks are supplied with lids and packaged fifty racks per case. Each rack includes translucent polycarbonate or polypropylene cover to protect samples and allow viewing without removal.

- Designed for preparation and storage
- Fits individual tubes, 8- or 12-strips, and plates
- Unique PC lid available for better sample identification and physical resistance
- Exquisite and durable
- Racks come complete with a snug fitting lid
- Lid protects samples and allows racks to be stacked
- Polypropylene provides resistance to most chemicals
- Excellent dimensional stability
- Autoclavable



Uniform well walls,  
ideal for sample storage

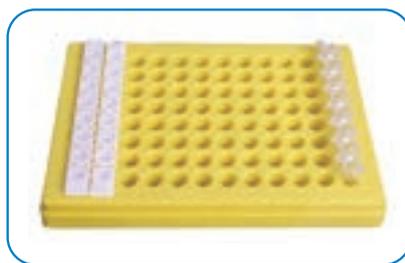
E-04



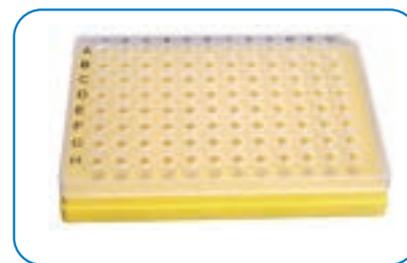
**biosharp**  
Life Sciences



Use in combination with  
0.2mL PCR tube



Use in combination with  
PCR strip tubes



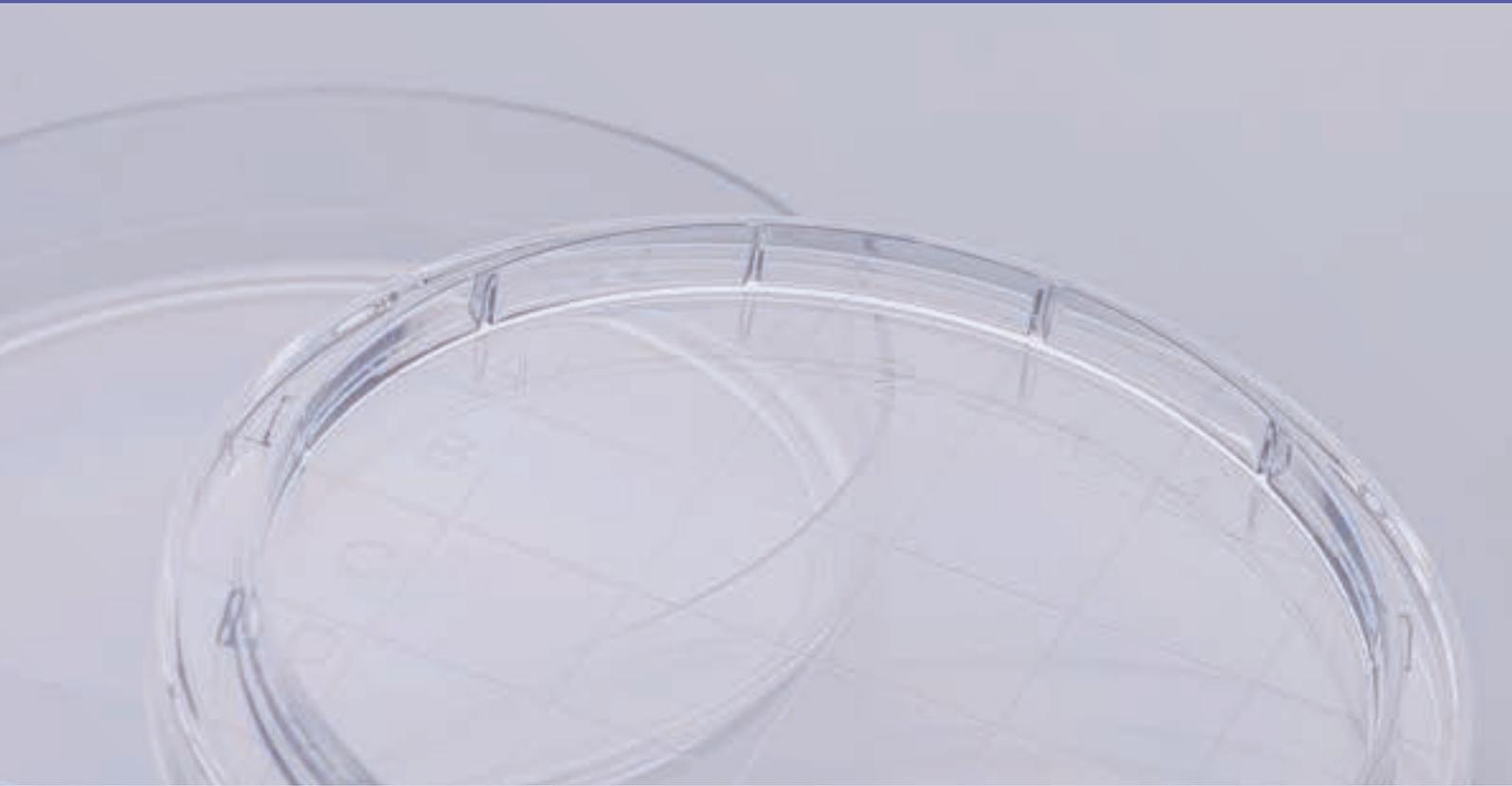
Use in combination with  
96-well PCR plate

### Ordering information

Cat.No.	Description	Material	Packaging
BS-02-PB96-Y	0.2mL PCR tube rack, for 96 tubes, yellow	PP	50pcs/case
BS-02-PB96-G	0.2mL PCR tube rack, for 96 tubes, grey	PP	50pcs/case
BS-02-PB96-B	0.2mL PCR tube rack, for 96 tubes, blue	PP	50pcs/case
BS-02-PB96-BL	0.2mL PCR tube rack, for 96 tubes, black	PP	50pcs/case
BS-02-PB96-O	0.2mL PCR tube rack, for 96 tubes, orange	PP	50pcs/case
BS-02-PB96-PC-Y	0.2mL PCR tube rack, for 96 tubes, yellow	PC lid, PP plate	50pcs/case
BS-02-PB96-PC-G	0.2mL PCR tube rack, for 96 tubes, grey	PC lid, PP plate	50pcs/case
BS-02-PB96-PC-B	0.2mL PCR tube rack, for 96 tubes, blue	PC lid, PP plate	50pcs/case
BS-02-PB96-PC-BL	0.2mL PCR tube rack, for 96 tubes, black	PC lid, PP plate	50pcs/case
BS-02-PB96-PC-O	0.2mL PCR tube rack, for 96 tubes, orange	PC lid, PP plate	50pcs/case



# Microbial Culture & Detection



- Petri Dish
- Contact Plate
- Inoculating Loop/Needle
- Plastic Spreader
- Vented Sealing Film
- Sterile Homogeneous Bag
- Sterile Sampling Bags
- Gridded Membrane Filter

## Petri Dish

Biosharp petri dish are available in four sizes and styles to accommodate both specialized and routine needs. Durable construction assures stable dish manipulation. Clearly superior, high-quality Petri dishes are manufactured from virgin crystal grade polystyrene for optimum flatness and high optical clarity. Dishes are sterilized by EO and are packaged in linear tear bags. These clear, polystyrene dishes feature a large growth area and are suitable for performing agar diffusion assays, screening large numbers of colonies in cloning experiments, and for culturing of bacteria and fungi.



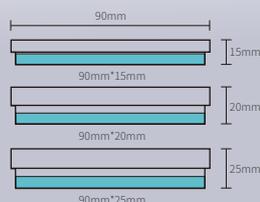
- Manufactured from high-quality polystyrene
- Ready to use
- Available in four sizes and two styles for specialized and routine applications
- Non-treated surface
- Ideal for colony formation
- Use for colony counting or picking
- Supplied sterile
- Disposable

### Square Design

	Cat.No.	Size	Material	Packaging
□	BS-100-SD	Square type petri dish, 100mm*100mm	Polystyrene	10pcs/bag, 50bags/case
□	BS-130-SD	Square type petri dish, 130mm*130mm	Polystyrene	10pcs/bag, 30bags/case

### Round Type

	Cat.No.	Size	Material	Packaging
○	BS-35-D	35mm Petri dish, sterile, polystyrene material, Dia.35mm*12mm	Polystyrene	10pcs/unit, 200units/case
○	BS-60-D	60mm Petri dish, sterile, polystyrene material, Dia.60mm*15mm	Polystyrene	10pcs/unit, 100units/case
○	BS-90-LD	Round type petri dish, 90mm*15mm, 12g	Polystyrene	10pcs/unit, 50units/case
○	BS-90-CD	Round type petri dish, 90mm*15mm, 14g	Polystyrene	10pcs/bag, 50bags/case
○	BS-90-D	Round type petri dish, 90mm*15mm, 14.5g	Polystyrene	10pcs/bag, 50bags/case
○	BS-90-WD	Round type petri dish, 90mm*15mm, 15g	Polystyrene	10pcs/bag, 50bags/case
○	BS-90-GD	Round type petri dish, 90mm*20mm, 18.5g	Polystyrene	10pcs/bag, 50bags/case
○	BS-90-HD	Round type petri dish, 90mm*25mm, 19.5g	Polystyrene	10pcs/bag, 50bags/case
⊖	BS-90-D2	Round type petri dish, 90mm*15mm, 2 compartments, 14.6g	Polystyrene	10pcs/bag, 50bags/case
⊗	BS-90-D3	Round type petri dish, 90mm*15mm, 3 compartments, 15g	Polystyrene	10pcs/bag, 50bags/case
⊕	BS-90-D4	Round type petri dish, 90mm*15mm, 4 compartments, 14.5g	Polystyrene	10pcs/bag, 50bags/case
○	BS-150-D	Round type petri dish, 150mm*15mm, 47.5g	Polystyrene	10pcs/bag, 10bags/case



## Contact Plate

- Manufactured from high-quality polystyrene
- Non-treated surface
- Used for surface sampling for microbial contamination
- For monitoring surface contamination
- Gridded and convex bottom ensures direct contact occurs between medium surface and the test surface while sampling
- Sterile



### Ordering information

Cat.No.	Size	Material	Packaging
○ BS-65-SD	Contact plate, PS, 65mm	Polystyrene	10pcs/bag, 100bags/case

## Inoculating Loops

Biosharp Inoculating Loops/Needles are smooth and flexible to facilitate uniform and smooth streaking without damaging the gel surface. Packed sterile in safe, tamperproof bags. Disposable inoculating loops and needles do not need flaming, eliminating the risk of infection due to aerosol formation of pathogenic substances as well as cross-contamination due to improper sterilization.

### Ordering information

Cat.No.	Description	Packaging
BS-QT-035	Inoculating loops for microbiology, 1uL, white	20pcs/bag, 50bags/box
BS-QT-036	Inoculating loops for microbiology, 10uL, dark blue	20pcs/bag, 50bags/box
BS-QT-050	Inoculating loops for microbiology, 1uL/10uL, yellow	20pcs/bag, 50bags/box
BS-QT-048	Inoculating loops/needles for microbiology, 1uL, white	20pcs/bag, 50bags/box
BS-QT-049	Inoculating loops/needles for microbiology, 10uL, dark blue	20pcs/bag, 50bags/box
BS-QT-047	Inoculating needles for microbiology, purple	20pcs/bag, 50bags/box



BS-QT-047



BS-QT-048



BS-QT-049



BS-QT-050

- High impact polystyrene material
- Smooth and flexible
- Loops slide along agar surfaces without cutting or tearing
- Sterile
- Disposable



BS-QT-036

BS-QT-035

## Plastic Spreaders

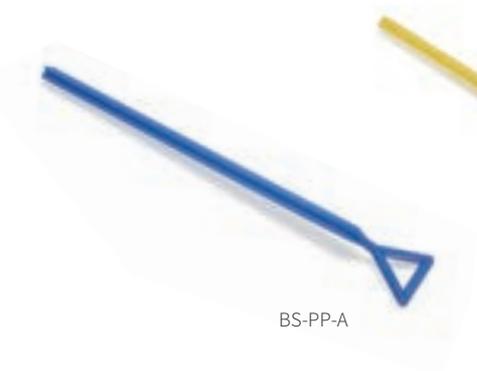
Biosharp Plastic Spreaders feature a completely smooth rounded surface, free of rough edges and imperfections in the plastic.

This ensures that liquid samples are spread evenly across the surface of agar plates without gouging or cutting the medium.

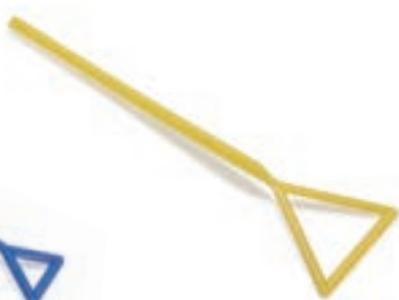
- Designed for spreading and dispersing liquids across the surface of agar culture plates
- Individual packed, sterile
- DNase-/RNase-free
- Disposable



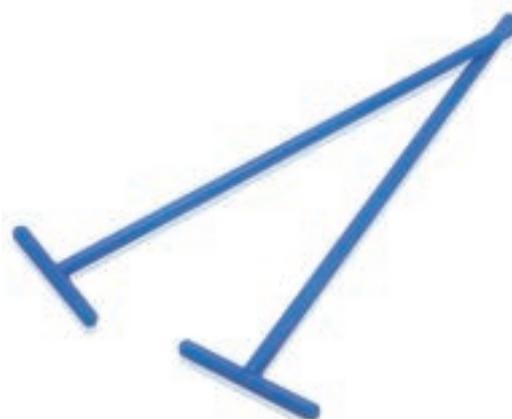
BS-PS-A



BS-PP-A



BS-PP-B



BS-PP-C

### Ordering information

Cat.No.	Description	Material	Packaging
BS-PS-A	Plastic Spreaders, 14.9*4cm	High impact polystyrene material	1pc/unit, 100units/bag, 10bags/case
BS-PP-A	Plastic Spreaders, 21.5*3cm	Polypropylene	1pc/unit, 100units/bag, 10bags/case
BS-PP-B	Plastic Spreaders, 24*6cm	Polypropylene	1pc/unit, 100units/bag, 10bags/case
BS-PP-C	Plastic Spreaders, 14*3.5cm	Polypropylene	1pc/unit, 400units/bag, 10bags/case



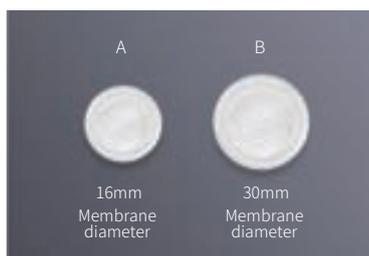
## Vented Sealing Film

Biosharp Vented Sealing Films are suitable for microbial culture and tissue culture, can be used with various sizes of culture flasks, bottles and other containers.

- High-quality PTFE membrane material
- Serrated indentation for each sheet, easy to take off
- Suitable for microbial culture and tissue culture
- Suitable for various sizes of culture flasks and other containers
- Autoclavable



F-04



16mm  
Membrane  
diameter

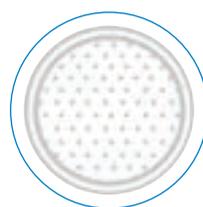
30mm  
Membrane  
diameter

High-density small holes  
vented membrane  
designed for efficient  
ventilation

High-quality PTFE  
membrane material



Compatible with various sizes of  
culture bottles and other containers



Flat and smooth, no cracks

The box can be folded  
for easy to use



Serrated indentation  
for each sheet,  
easy to take off

### Ordering information

	Cat.No.	Description	Packaging
 16mm Membrane diameter	BS-QM-01A	Vented sealing film, 120*120mm, membrane diameter 16mm	500sheets/roll, 12rolls/case
	BS-QM-02A	Vented sealing film, 140*140mm, membrane diameter 16mm	500sheets/roll, 12rolls/case
	BS-QM-03A	Vented sealing film, 160*160mm, membrane diameter 16mm	500sheets/roll, 12rolls/case
	BS-QM-01AS	Vented sealing film, 120*120mm, membrane diameter 16mm	100sheets/roll, 12rolls/case
	BS-QM-02AS	Vented sealing film, 140*140mm, membrane diameter 16mm	100sheets/roll, 12rolls/case
	BS-QM-03AS	Vented sealing film, 160*160mm, membrane diameter 16mm	100sheets/roll, 12rolls/case
 30mm Membrane diameter	BS-QM-01B	Vented sealing film, 120*120mm, membrane diameter 30mm	500sheets/roll, 12rolls/case
	BS-QM-02B	Vented sealing film, 140*140mm, membrane diameter 30mm	500sheets/roll, 12rolls/case
	BS-QM-03B	Vented sealing film, 160*160mm, membrane diameter 30mm	500sheets/roll, 12rolls/case
	BS-QM-01BS	Vented sealing film, 120*120mm, membrane diameter 30mm	100sheets/roll, 12rolls/case
	BS-QM-02BS	Vented sealing film, 140*140mm, membrane diameter 30mm	100sheets/roll, 12rolls/case
	BS-QM-03BS	Vented sealing film, 160*160mm, membrane diameter 30mm	100sheets/roll, 12rolls/case

## Sterile Homogeneous Bags

Biosharp Sterile Homogeneous Bags are made of polyethylene material. Using high-strength material, it will not be damaged even in the strong beat of the homogenizer. The product is sterilized by EO, and the packaging is hygienic and safe. There is a self-sealing strip on the top of the bag to ensure that the inside of the bag is sterile before use; the bag has a large mouth, which is convenient for adding samples.

Mainly used for the collection, storage, and transportation of liquid and solid samples. It is suitable for environmental sampling, laboratory sampling, environmental sampling, biomedical and pharmaceutical research, quality testing (QA/AC), food industry applications, and clinical and veterinary drugs.

- Polyethylene material
- Highly transparent
- With sealing strip
- The sterile homogeneous bag is a safe and pollution-free sampling container
- Used for the collection, storage, and transportation of liquid and solid samples
- Delicate design to facilitate your operation
- Sterile



F-05



**biosharp**  
Life Sciences

### Ordering information

Cat. No.	Description	Package
BS-SAM-1218	Sterile homogeneous bags, 12*18 cm, with sealing strip	100pcs/bag, 30bags/case
BS-SAM-2022	Sterile homogeneous bags, 20*22 cm, with sealing strip	100pcs/bag, 14bags/case
BS-SAM-2027	Sterile homogeneous bags, 20*27 cm, with sealing strip	100pcs/bag, 14bags/case
BS-SAM-2032	Sterile homogeneous bags, 20*32 cm, with sealing strip	100pcs/bag, 10bags/case

## Sterile Sampling Bags

Sterile sampling bags are mainly used for collecting, transporting, and storing samples while ensuring their sterility and integrity. The wide-type welded bottom and rounded-edge design can withstand high-intensity homogenization forces without tearing or perforation. Compatible with all homogenizers in laboratories.

- Polyethylene composite material
- Pre-torn opening design, meet the requirements of aseptic operation
- Non-stand up bottom
- Sterilized by EO



F-06

### Ordering information

Cat. No.	Description	Package
BS-SAM-AY00-0060	Sterile sampling bags, 60mL, with writing area	500pcs/box, 2boxes/case
BS-SAM-AY00-0120	Sterile sampling bags, 120mL, with writing area	500pcs/box, 2boxes/case
BS-SAM-AY00-0530	Sterile sampling bags, 530mL, with writing area, round wires sealing	500pcs/box, 2boxes/case
BS-SAM-BY00-0530	Sterile sampling bags, 530mL, with writing area, round and flat wires sealing	500pcs/box, 2boxes/case
BS-SAM-AY00-0700	Sterile sampling bags, 700mL, with writing area, round wires sealing	500pcs/box, 2boxes/case
BS-SAM-BY00-0700	Sterile sampling bags, 700mL, with writing area, round and flat wires sealing	500pcs/box, 2boxes/case
BS-SAM-AY00-1650	Sterile sampling bags, 1650mL, with writing area	250pcs/box, 4boxes/case
BS-SAM-AN00-0060	Sterile sampling bags, 60mL, without writing area	500pcs/box, 2boxes/case
BS-SAM-AN00-0120	Sterile sampling bags, 120mL, without writing area	500pcs/box, 2boxes/case
BS-SAM-AN00-0530	Sterile sampling bags, 530mL, without writing area, round wires sealing	500pcs/box, 2boxes/case
BS-SAM-BN00-0530	Sterile sampling bags, 530mL, without writing area, round and flat wires sealing	500pcs/box, 2boxes/case
BS-SAM-AN00-0700	Sterile sampling bags, 700mL, without writing area, round wires sealing	500pcs/box, 2boxes/case
BS-SAM-BN00-0700	Sterile sampling bags, 700mL, without writing area, round and flat wires sealing	500pcs/box, 2boxes/case
BS-SAM-AN00-1000	Sterile sampling bags, 1000mL, without writing area	500pcs/box, 2boxes/case
BS-SAM-AN00-1650	Sterile sampling bags, 1650mL, without writing area	250pcs/box, 4boxes/case

## Gridded Membrane Filter

Gridded membrane filter, also known as cellulose grid membrane or microbial limit test membrane, it enriches specified bacteria for cultivation by different pore sizes, and mainly used for the counting and detection of molds and yeasts.

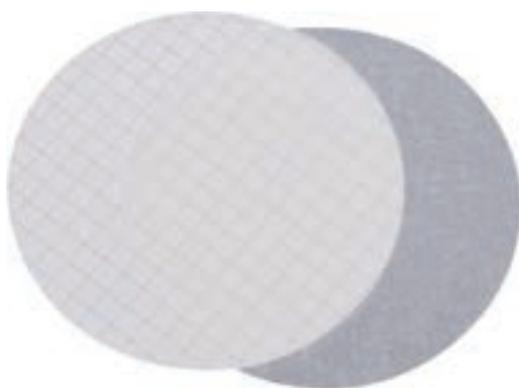
Biosharp grid membrane complies with ISO7704 standard. It is suitable for the interception and growth of microorganisms, providing a reliable, convenient and cost-effective option for the quantitative counting of bacteria.

- Material: Mixed Cellulose Ester (MCE)
- Diameter: available in 47mm and 50mm
- Pore Size: 0.22 $\mu$ m, 0.45 $\mu$ m, and 0.8 $\mu$ m
- Sterile, individually wrapped
- Black grid, easy for identification and counting of colonies without affecting colony growth
- With a microorganism recovery rate of over 90%
- Widely used in membrane filtration methods for the microbial detection of solid, liquid, and gas samples

F-07



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### Ordering information

Cat. No.	Description	Package
BS-MF-MCE47-22-S	Gridded membrane filter, MCE, 47mm, 0.22 $\mu$ m, sterile, individual pack	100pcs/box
BS-MF-MCE47-45-S	Gridded membrane filter, MCE, 47mm, 0.45 $\mu$ m, sterile, individual pack	100pcs/box
BS-MF-MCE47-80-S	Gridded membrane filter, MCE, 47mm, 0.8 $\mu$ m, sterile, individual pack	100pcs/box
BS-MF-MCE50-22-S	Gridded membrane filter, MCE, 50mm, 0.22 $\mu$ m, sterile, individual pack	100pcs/box
BS-MF-MCE50-45-S	Gridded membrane filter, MCE, 50mm, 0.45 $\mu$ m, sterile, individual pack	100pcs/box
BS-MF-MCE50-80-S	Gridded membrane filter, MCE, 50mm, 0.8 $\mu$ m, sterile, individual pack	100pcs/box

# Filtration



Vacuum Filtration System  
Syringe Filter  
Membrane Filter  
Filter Paper

## Vacuum Filtration System

Biosharp Vacuum Filtration System for vacuum filtration of aqueous solutions including cell culture media, buffers, or other biological fluids. Four sizes are available, 150 mL, 250 mL, 500 mL, and 1000mL. Low liquid retention funnel design and hose connector simplifies vacuum line attachment. Receiver bottles feature easy grip sides for improved handling. Individually packaged and sterile, nonpyrogenic, DNase-/RNase-free.

- Four volume: 150 mL, 250 mL, 500 mL, and 1000mL
- PES and PVDF membrane are available (-GL45 bottle thread)
- Two pore sizes: 0.22µm and 0.45µm
- Low liquid retention funnel design
- Polystyrene funnel and collection reservoir
- Top filter bottle have engraved graduation
- Designed hose connector can fit multiple hose diameters
- Individually packaged in easy to peel bags
- Nonpyrogenic
- DNase-/RNase-free
- Sterile



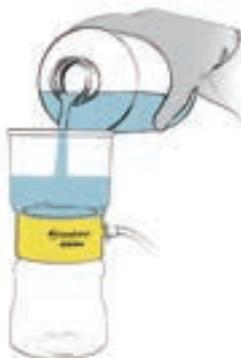
G-01



Solution can be stored in the collection reservoir until needed



Designed hose connector can fit multiple hose diameters



Intended for the sterile vacuum filtration of aqueous solutions such as cell culture media and biological fluids



### Ordering information

Cat.No.	Description	Packaging
BS-150-XT	Vacuum filtration system, 150mL, 0.22µm PES membrane	1pc/unit, 12units/case
BS-250-XT	Vacuum filtration system, 250mL, 0.22µm PES membrane	1pc/unit, 12units/case
BS-500-XT	Vacuum filtration system, 500mL, 0.22µm PES membrane	1pc/unit, 12units/case
BS-1000-XT	Vacuum filtration system, 1000mL, 0.22µm PES membrane	1pc/unit, 12units/case
BS-150-XT-PES-45	Vacuum filtration system, 150mL, 0.45µm PES membrane	1pc/unit, 12units/case
BS-250-XT-PES-45	Vacuum filtration system, 250mL, 0.45µm PES membrane	1pc/unit, 12units/case
BS-500-XT-PES-45	Vacuum filtration system, 500mL, 0.45µm PES membrane	1pc/unit, 12units/case
BS-1000-XT-PES-45	Vacuum filtration system, 1000mL, 0.45µm PES membrane	1pc/unit, 12units/case
BS-150-XT-PVDF-22	Vacuum filtration system, 150mL, 0.22µm PVDF membrane	1pc/unit, 12units/case
BS-250-XT-PVDF-22	Vacuum filtration system, 250mL, 0.22µm PVDF membrane	1pc/unit, 12units/case
BS-500-XT-PVDF-22	Vacuum filtration system, 500mL, 0.22µm PVDF membrane	1pc/unit, 12units/case
BS-1000-XT-PVDF-22	Vacuum filtration system, 1000mL, 0.22µm PVDF membrane	1pc/unit, 12units/case
BS-150-XT-PVDF-45	Vacuum filtration system, 150mL, 0.45µm PVDF membrane	1pc/unit, 12units/case
BS-250-XT-PVDF-45	Vacuum filtration system, 250mL, 0.45µm PVDF membrane	1pc/unit, 12units/case
BS-500-XT-PVDF-45	Vacuum filtration system, 500mL, 0.45µm PVDF membrane	1pc/unit, 12units/case
BS-1000-XT-PVDF-45	Vacuum filtration system, 1000mL, 0.45µm PVDF membrane	1pc/unit, 12units/case

## Syringe Filter

Syringe Filters are used for many routine preparation steps in laboratories all over the world. They are convenient, ready-to-use disposables for sterile filtration of liquids and removal of particles from solutions and gases. Depending on the reagents filtered, syringe filters have to fulfill certain requirements to best serve customer's application. For clarification and sterilization of liquids, filtration is the optimal method. It removes microorganisms and particles reliably, without any effects on the ingredients due to adsorption or decomposition. Sterile filtration of liquids and gases with virtually no effect on the ingredients.

Sterile syringe filters are typically used in life science applications to sterilize solutions or for clarification. Non-sterile syringe filters are used across a range of filtration and sample preparation applications. They are widely used in analytical chemistry for sample preparation, protecting analytical equipment from particle contamination.

Biosharp Syringe Filters are dedicated for various filtration applications. PES, PVDF, PTFE, MCE, CA, Nylon membrane filters are ideal for sample preparation and small volume chemical filtration. Available in 0.22 $\mu$ m and 0.45  $\mu$ m pore sizes and three diameters to suit your application needs. The single-use, disposable filter removes particles larger than the membrane's rated pore size. Exceptionally consistent pore size maximizes sterility. Plus, our products feature low leachables, extractables, and protein binding. Biosharp syringe filters protect your samples without adding contaminants or interfering with your analytes or proteins.



G-02



Life sciences  
biosharp®



## Sterile Syringe Filter

- Four filter membranes available (PES, PVDF, PTFE, MCE, CA, Nylon)
- 0.22 $\mu$ m and 0.45  $\mu$ m pore sizes are available
- Large pore sizes for high throughput and fast flow rates
- Low protein binding to minimize sample loss
- Low back pressure for ease of use
- Ergonomic, individually blister packaged
- Disposables



G-03



## Ordering information

Membrane Type	Cat.No.	Diameter (mm)	Pore Size ( $\mu$ m)	Packaging
PES	BS-PES13-22-S	13	0.22	1pc/unit, 100units/box
	BS-PES13-45-S	13	0.45	1pc/unit, 100units/box
	BS-PES25-22-S	25	0.22	1pc/unit, 50units/box
	BS-PES25-45-S	25	0.45	1pc/unit, 50units/box
	BS-PES-22	33	0.22	1pc/unit, 100units/box
	BS-PES-45	33	0.45	1pc/unit, 100units/box
	BS-PES-22-H	33	0.22	1pc/unit, 100units/box
	BS-PES-45-H	33	0.45	1pc/unit, 100units/box
PVDF hydrophobic	BS-PVDF13-22-S	13	0.22	1pc/unit, 100units/box
	BS-PVDF13-45-S	13	0.45	1pc/unit, 100units/box
	BS-PVDF25-22-S	25	0.22	1pc/unit, 100units/box
	BS-PVDF25-45-S	25	0.45	1pc/unit, 100units/box
	BS-PVDF33-22-S	33	0.22	1pc/unit, 100units/box
	BS-PVDF33-45-S	33	0.45	1pc/unit, 100units/box
PVDF hydrophilic	BS-PVDL13-22-S	13	0.22	1pc/unit, 100units/box
	BS-PVDL13-45-S	13	0.45	1pc/unit, 100units/box
	BS-PVDL25-22-S	25	0.22	1pc/unit, 100units/box
	BS-PVDL25-45-S	25	0.45	1pc/unit, 100units/box
	BS-PVDL33-22-S	33	0.22	1pc/unit, 100units/box
	BS-PVDL33-45-S	33	0.45	1pc/unit, 100units/box

# Filtration

Membrane Type	Cat.No.	Diameter (mm)	Pore Size (µm)	Packaging
PTFE hydrophobic	BS-PTFE13-22-S	13	0.22	1pc/unit, 100units/box
	BS-PTFE13-45-S	13	0.45	1pc/unit, 100units/box
	BS-PTFE25-22-S	25	0.22	1pc/unit, 100units/box
	BS-PTFE25-45-S	25	0.45	1pc/unit, 100units/box
	BS-PTFE33-22-S	33	0.22	1pc/unit, 100units/box
	BS-PTFE33-45-S	33	0.45	1pc/unit, 100units/box
PTFE hydrophilic	BS-PTFEL13-22-S	13	0.22	1pc/unit, 100units/box
	BS-PTFEL13-45-S	13	0.45	1pc/unit, 100units/box
	BS-PTFEL25-22-S	25	0.22	1pc/unit, 100units/box
	BS-PTFEL25-45-S	25	0.45	1pc/unit, 100units/box
	BS-PTFEL33-22-S	33	0.22	1pc/unit, 100units/box
	BS-PTFEL33-45-S	33	0.45	1pc/unit, 100units/box
MCE	BS-MCE13-22-S	13	0.22	1pc/unit, 100units/box
	BS-MCE13-45-S	13	0.45	1pc/unit, 100units/box
	BS-MCE25-22-S	25	0.22	1pc/unit, 100units/box
	BS-MCE25-45-S	25	0.45	1pc/unit, 100units/box
	BS-MCE33-22-S	33	0.22	1pc/unit, 100units/box
	BS-MCE33-45-S	33	0.45	1pc/unit, 100units/box
CA	BS-CA13-22-S	13	0.22	1pc/unit, 100units/box
	BS-CA13-45-S	13	0.45	1pc/unit, 100units/box
	BS-CA25-22-S	25	0.22	1pc/unit, 100units/box
	BS-CA25-45-S	25	0.45	1pc/unit, 100units/box
	BS-CA33-22-S	33	0.22	1pc/unit, 50units/box
	BS-CA33-45-S	33	0.45	1pc/unit, 50units/box
NY	BS-NY13-22-S	13	0.22	1pc/unit, 100units/box
	BS-NY13-45-S	13	0.45	1pc/unit, 100units/box
	BS-NY25-22-S	25	0.22	1pc/unit, 100units/box
	BS-NY25-45-S	25	0.45	1pc/unit, 100units/box
	BS-NY30-45-S	30	0.45	1pc/unit, 100units/box
	BS-NY33-22-S	33	0.22	1pc/unit, 100units/box
	BS-NY33-45-S	33	0.45	1pc/unit, 100units/box



## Non-sterile Syringe Filter



- Ideal for filtration
- Five filter membranes available (MCE, PES, Nylon, PTFE, PVDF)
- 0.22 $\mu$ m and 0.45  $\mu$ m pore sizes are available
- Available pre-filters produce lower back pressure and higher flow rates for easier sample filtration
- Low protein binding to minimize sample loss
- Available in a variety of sizes to accommodate volumes from 10 to 200 mL
- Autoclavable
- Disposables

### Ordering information

Membrane Type	Cat.No.	Diameter (mm)	Pore Size ( $\mu$ m)	Packaging
<b>PES,</b> Fastest flowing and low-protein binding	BS-QT-037	13	0.22	100pcs/box
	BS-QT-038	13	0.45	100pcs/box
	BS-PES25-22	25	0.22	100pcs/box
	BS-PES25-45	25	0.45	100pcs/box
	BS-PES33-22	33	0.22	100pcs/box
	BS-PES33-45	33	0.45	100pcs/box
<b>PVDF,</b> Hydrophobic	BS-PVDF13-22-B	13	0.22	100pcs/box
	BS-PVDF13-45-B	13	0.45	100pcs/box
	BS-PVDF25-22-B	25	0.22	100pcs/box
	BS-PVDF25-45-B	25	0.45	100pcs/box
	BS-PVDF33-22-B	33	0.22	100pcs/box
	BS-PVDF33-45-B	33	0.45	100pcs/box
<b>PVDF,</b> Hydrophilic	BS-PVDF13-22-L	13	0.22	100pcs/box
	BS-PVDF13-45-L	13	0.45	100pcs/box
	BS-PVDF25-22-L	25	0.22	100pcs/box
	BS-PVDF25-45-L	25	0.45	100pcs/box
	BS-PVDF33-22-L	33	0.22	100pcs/box
	BS-PVDF33-45-L	33	0.45	100pcs/box
<b>PTFE,</b> Hydrophobic	BS-PTFE13-22-B	13	0.22	100pcs/box
	BS-PTFE13-45-B	13	0.45	100pcs/box
	BS-PTFE25-22-B	25	0.22	100pcs/box
	BS-PTFE25-45-B	25	0.45	100pcs/box
	BS-PTFE33-22-B	33	0.22	100pcs/box
	BS-PTFE33-45-B	33	0.45	100pcs/box

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Life Sciences

# Filtration

Membrane Type	Cat.No.	Diameter (mm)	Pore Size (µm)	Packaging
PTFE, Hydrophilic	BS-PTFE13-22-L	13	0.22	100pcs/box
	BS-PTFE13-45-L	13	0.45	100pcs/box
	BS-PTFE25-22-L	25	0.22	100pcs/box
	BS-PTFE25-45-L	25	0.45	100pcs/box
	BS-PTFE33-22-L	33	0.22	100pcs/box
	BS-PTFE33-45-L	33	0.45	100pcs/box
MCE	BS-QT-011	13	0.22	100pcs/box
	BS-QT-012	13	0.45	100pcs/box
	BS-MCE25-22	25	0.22	100pcs/box
	BS-MCE25-45	25	0.45	100pcs/box
	BS-MCE33-22	33	0.22	100pcs/box
	BS-MCE33-45	33	0.45	100pcs/box
CA	BS-CA13-22	13	0.22	100pcs/box
	BS-CA13-45	13	0.45	100pcs/box
	BS-CA25-22	25	0.22	100pcs/box
	BS-CA25-45	25	0.45	100pcs/box
	BS-CA33-22	33	0.22	100pcs/box
	BS-CA33-45	33	0.45	100pcs/box
Nylon	BS-QT-013	13	0.22	100pcs/box
	BS-QT-014	13	0.45	100pcs/box
	BS-QT-039	25	0.22	100pcs/box
	BS-QT-040	25	0.45	100pcs/box
	BS-NY33-22	33	0.22	100pcs/box
	BS-NY33-45	33	0.45	100pcs/box



## Membrane Filter

Biosharp Membrane Filters serve as effective physical barriers that remove solids, viruses, bacteria, and other unwanted molecules. Substances or particles that have diameter bigger than the pore size will be trapped by the membrane, therefore size of the membrane pore is the factor determine what size of particles needs to be filtered.

One of the advantages of membrane filtration is that membrane filtration systems often are less expensive than many other alternative technologies. Membrane filtration includes fewer processing steps and makes it possible to achieve both a greater degree of purity and higher overall yields.

- Material: MCE, PP, PVDF, PES, CA, CN, Nylon, PTFE
- 0.22µm and 0.45µm are available
- Filtration process based on physical separation
- Wide range of membrane diameter available
- Non-sterile



Membrane material	Cat.No.	Diameter (mm)	Aperture (µm)	Packaging
MCE	BS-M-MCE13-22	13	0.22	25pcs/unit, 4units/box
	BS-M-MCE25-22	25	0.22	25pcs/unit, 4units/box
	BS-M-MCE37-22	37	0.22	25pcs/unit, 4units/box
	BS-M-MCE47-22	47	0.22	25pcs/unit, 4units/box
	BS-M-MCE50-22	50	0.22	25pcs/unit, 4units/box
	BS-M-MCE90-22	90	0.22	50pcs/box
	BS-M-MCE142-22	142	0.22	50pcs/box
	BS-M-MCE13-45	13	0.45	25pcs/unit, 4units/box
	BS-M-MCE25-45	25	0.45	25pcs/unit, 4units/box
	BS-M-MCE37-45	37	0.45	25pcs/unit, 4units/box
	BS-M-MCE47-45	47	0.45	25pcs/unit, 4units/box
	BS-M-MCE50-45	50	0.45	25pcs/unit, 4units/box
	BS-M-MCE90-45	90	0.45	50pcs/box
	BS-M-MCE142-45	142	0.45	50pcs/box
PP	BS-M-PP25-22	25	0.22	25pcs/unit, 4units/box
	BS-M-PP47-22	47	0.22	25pcs/unit, 4units/box
	BS-M-PP50-22	50	0.22	25pcs/unit, 4units/box
	BS-M-PP90-22	90	0.22	50pcs/box
	BS-M-PP142-22	142	0.22	50pcs/box
	BS-M-PP25-45	25	0.45	25pcs/unit, 4units/box
	BS-M-PP47-45	47	0.45	25pcs/unit, 4units/box
	BS-M-PP50-45	50	0.45	25pcs/unit, 4units/box
	BS-M-PP90-45	90	0.45	50pcs/box
	BS-M-PP142-45	142	0.45	50pcs/box
PVDF	BS-M-PVDF13-22	13	0.22	25pcs/unit, 4units/box
	BS-M-PVDF25-22	25	0.22	25pcs/unit, 4units/box
	BS-M-PVDF47-22	47	0.22	25pcs/unit, 4units/box
	BS-M-PVDF50-22	50	0.22	25pcs/unit, 4units/box



# Filtration

Membrane material	Cat.No.	Diameter (mm)	Aperture (μm)	Packaging
PVDF	BS-M-PVDF90-22	90	0.22	50pcs/box
	BS-M-PVDF142-22	142	0.22	50pcs/box
	BS-M-PVDF13-45	13	0.45	25pcs/unit, 4units/box
	BS-M-PVDF25-45	25	0.45	25pcs/unit, 4units/box
	BS-M-PVDF47-45	47	0.45	25pcs/unit, 4units/box
	BS-M-PVDF50-45	50	0.45	25pcs/unit, 4units/box
	BS-M-PVDF90-45	90	0.45	50pcs/box
	BS-M-PVDF142-45	142	0.45	50pcs/box
PES	BS-M-PES13-22	13	0.22	25pcs/unit, 4units/box
	BS-M-PES25-22	25	0.22	25pcs/unit, 4units/box
	BS-M-PES47-22	47	0.22	25pcs/unit, 4units/box
	BS-M-PES50-22	50	0.22	25pcs/unit, 4units/box
	BS-M-PES90-22	90	0.22	50pcs/box
	BS-M-PES142-22	142	0.22	50pcs/box
	BS-M-PES13-45	13	0.45	25pcs/unit, 4units/box
	BS-M-PES25-45	25	0.45	25pcs/unit, 4units/box
	BS-M-PES47-45	47	0.45	25pcs/unit, 4units/box
	BS-M-PES50-45	50	0.45	25pcs/unit, 4units/box
	BS-M-PES90-45	90	0.45	50pcs/box
	BS-M-PES142-45	142	0.45	50pcs/box
CA	BS-M-CA13-22	13	0.22	25pcs/unit, 4units/box
	BS-M-CA25-22	25	0.22	25pcs/unit, 4units/box
	BS-M-CA47-22	47	0.22	25pcs/unit, 4units/box
	BS-M-CA50-22	50	0.22	25pcs/unit, 4units/box
	BS-M-CA90-22	90	0.22	50pcs/box
	BS-M-CA142-22	142	0.22	50pcs/box
	BS-M-CA13-45	13	0.45	25pcs/unit, 4units/box
	BS-M-CA25-45	25	0.45	25pcs/unit, 4units/box
	BS-M-CA47-45	47	0.45	25pcs/unit, 4units/box
	BS-M-CA50-45	50	0.45	25pcs/unit, 4units/box
	BS-M-CA90-45	90	0.45	50pcs/box
	BS-M-CA142-45	142	0.45	50pcs/box
CN	BS-M-CN47-22	47	0.22	25pcs/unit, 4units/box
	BS-M-CN50-22	50	0.22	25pcs/unit, 4units/box
	BS-M-CN47-45	47	0.45	25pcs/unit, 4units/box
	BS-M-CN50-45	50	0.45	25pcs/unit, 4units/box

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Membrane material	Cat.No.	Diameter (mm)	Aperture (μm)	Packaging
Hydrophilic PTFE	BS-M-PTFEL13-22	13	0.22	25pcs/unit, 4units/box
	BS-M-PTFEL25-22	25	0.22	25pcs/unit, 4units/box
	BS-M-PTFEL47-22	47	0.22	25pcs/unit, 4units/box
	BS-M-PTFEL50-22	50	0.22	25pcs/unit, 4units/box
	BS-M-PTFEL13-45	13	0.45	25pcs/unit, 4units/box
	BS-M-PTFEL25-45	25	0.45	25pcs/unit, 4units/box
	BS-M-PTFEL47-45	47	0.45	25pcs/unit, 4units/box
	BS-M-PTFEL50-45	50	0.45	25pcs/unit, 4units/box
Hydrophobic PTFE	BS-M-PTFEB13-22	13	0.22	25pcs/unit, 4units/box
	BS-M-PTFEB25-22	25	0.22	25pcs/unit, 4units/box
	BS-M-PTFEB47-22	47	0.22	25pcs/unit, 4units/box
	BS-M-PTFEB50-22	50	0.22	25pcs/unit, 4units/box
	BS-M-PTFEB90-22	90	0.22	50pcs/box
	BS-M-PTFEB142-22	142	0.22	50pcs/box
	BS-M-PTFEB13-45	13	0.45	25pcs/unit, 4units/box
	BS-M-PTFEB25-45	25	0.45	25pcs/unit, 4units/box
	BS-M-PTFEB47-45	47	0.45	25pcs/unit, 4units/box
	BS-M-PTFEB50-45	50	0.45	25pcs/unit, 4units/box
	BS-M-PTFEB90-45	90	0.45	50pcs/box
	BS-M-PTFEB142-45	142	0.45	50pcs/box
Nylon	BS-M-NY13-22	13	0.22	25pcs/unit, 4units/box
	BS-M-NY25-22	25	0.22	25pcs/unit, 4units/box
	BS-M-NY47-22	47	0.22	25pcs/unit, 4units/box
	BS-M-NY50-22	50	0.22	25pcs/unit, 4units/box
	BS-M-NY90-22	90	0.22	50pcs/box
	BS-M-NY142-22	142	0.22	50pcs/box
	BS-M-NY13-45	13	0.45	25pcs/unit, 4units/box
	BS-M-NY25-45	25	0.45	25pcs/unit, 4units/box
	BS-M-NY47-45	47	0.45	25pcs/unit, 4units/box
	BS-M-NY50-45	50	0.45	25pcs/unit, 4units/box
	BS-M-NY90-45	90	0.45	50pcs/box
	BS-M-NY142-45	142	0.45	50pcs/box

	Cat.No.	Description	Packaging
Sterile, individual wrapped	BS-M-MCE47-45-S	Membrane filter, MCE membrane, 47mm, 0.45um	100pcs/box
	BS-M-NY47-22-S	Membrane filter, Nylon membrane, 47mm, 0.22um	100pcs/box
	BS-M-NY47-45-S	Membrane filter, Nylon membrane, 47mm, 0.45um	100pcs/box

## Filter Paper

- Materials: Cotton fibre
- Assorted sizes
- Qualitative filter paper is mainly used for qualitative chemical analysis and filtration separation
- Quantitative filter paper is mainly used for precise numerical filtering



### Ordering information

Cat.No.	Membrane Type	Description	Packaging
BS-TFP-070B	Qualitative	Qualitative filter paper, diameter 7cm, fast flow	100pcs/box
BS-TFP-070A		Qualitative filter paper, diameter 7cm, medium flow	100pcs/box
BS-TFP-090B		Qualitative filter paper, diameter 9cm, fast flow	100pcs/box
BS-TFP-090A		Qualitative filter paper, diameter 9cm, medium flow	100pcs/box
BS-TFP-110B		Qualitative filter paper, diameter 11cm, fast flow	100pcs/box
BS-TFP-110A		Qualitative filter paper, diameter 11cm, medium flow	100pcs/box
BS-TFP-125B		Qualitative filter paper, diameter 12.5cm, fast flow	100pcs/box
BS-TFP-125A		Qualitative filter paper, diameter 12.5cm, medium flow	100pcs/box
BS-TFP-150B		Qualitative filter paper, diameter 15cm, fast flow	100pcs/box
BS-TFP-150A		Qualitative filter paper, diameter 15cm, medium flow	100pcs/box
BS-TFP-180B		Qualitative filter paper, diameter 18cm, fast flow	100pcs/box
BS-TFP-180A		Qualitative filter paper, diameter 18cm, medium flow	100pcs/box
BS-TFP-300B		Qualitative filter paper, square 30*30cm, fast flow	100pcs/box
BS-TFP-300A		Qualitative filter paper, square 30*30cm, medium flow	100pcs/box
BS-TFP-600B		Qualitative filter paper, square 60*60cm, fast flow	100pcs/box
BS-TFP-600A		Qualitative filter paper, square 60*60cm, medium flow	100pcs/box
BS-FFP-070B	Quantitative	Quantitative filter paper, diameter 7cm, fast flow	100pcs/box
BS-FFP-070A		Quantitative filter paper, diameter 7cm, medium flow	100pcs/box
BS-FFP-090B		Quantitative filter paper, diameter 9cm, fast flow	100pcs/box
BS-FFP-090A		Quantitative filter paper, diameter 9cm, medium flow	100pcs/box
BS-FFP-110B		Quantitative filter paper, diameter 11cm, fast flow	100pcs/box
BS-FFP-110A		Quantitative filter paper, diameter 11cm, medium flow	100pcs/box
BS-FFP-125B		Quantitative filter paper, diameter 12.5cm, fast flow	100pcs/box
BS-FFP-125A		Quantitative filter paper, diameter 12.5cm, medium flow	100pcs/box
BS-FFP-150B		Quantitative filter paper, diameter 15cm, fast flow	100pcs/box
BS-FFP-150A		Quantitative filter paper, diameter 15cm, medium flow	100pcs/box
BS-FFP-180B		Quantitative filter paper, diameter 18cm, fast flow	100pcs/box
BS-FFP-180A		Quantitative filter paper, diameter 18cm, medium flow	100pcs/box



# Sample Pretreatment



Deep Well Plate  
Silicone Mat  
Solid Phase Extraction Column, Luer-Inlet  
Spin Column & Collection Tube  
Ultrafiltration Spin Columns  
Centrifugal Protein Purification Empty Spin Column  
Affinity Chromatography Column  
Solid Phase Extraction Column

Medium Pressure Chromatography Column  
Dialysis Membrane  
Dialysis Tubing Closure  
Vials  
Vial Racks  
Vial Caps  
Micro Inserts for Vials

## Deep Well Plate

Deep well plates are mainly used for a diverse range of applications, including sample collection, long-term storage, in vitro growth, nucleic acid extraction, and sequencing. Biosharp deep well plates exhibit outstanding chemical resistance against substances like DMSO, ethanol, and methanol. The super-flat surface is suitable for heat-sealable aluminum foil sealing film or silicone mat (Cat.No. BS - 96 - DWS) for proper sealing to reduce cross-contamination.



- High-quality polypropylene material, withstand temperature from -80°C to 121°C
- Alphabetical sorting and corner-cutting markings, convenient to identify samples
- Compatible with various automated nucleic acid extraction instruments
- Non-sterile, autoclavable

### Ordering information

Cat.No.	Description	Packaging
BS-DW-12A	1.2mL 96-well deep well plate, with lid	1pc/bag
BS-16-DW	1.6mL 96-well deep well plate	4pcs/bag, 20bags/case
BS-22-DW	2.2mL 96-well deep well plate	1pc/bag, 60bags/case
BS-MS-08	8-Strip magnet set	2pcs/bag, 50bags/case

## Silicone Mat

Biosharp Silicone Mats are suitable for sealing microplates in incubation and storage applications, silicone sealing mats provide sample protection while minimizing evaporation in a wide range of temperatures.



- Silicone material
- Eliminates cross-contamination between wells
- Resists tearing

### Ordering information

Cat.No.	Description	Packaging
BS-24-DWS	24-Well silicone mat, square well	5pcs/bag, 20bags/case
BS-48-DWS	48-Well silicone mat, square well	5pcs/bag, 20bags/case
BS-96-DWR	96-Well silicone mat, round well	5pcs/bag, 20bags/case
BS-96-CPS	Sealing mat, silicone, for 96-well round microplates	5pcs/bag, 20bags/case



## Solid Phase Extraction Column, Luer-Inlet

- Volume: 1mL
- Tube column are made of polypropylene material
- Hydrophobic frits
- Luer-inlet designed for easy connection with solvent reservoirs and pumps
- Suitable for filtration and purification of various samples
- The hydrophobic frits feature superior hydrophobicity which inherent from the natural property of ultra-high molecular weight PE (UHMW-PE).
- Contains empty column tube, sealing plug and 2 hydrophobic frits



### Ordering information

Cat.No.	Description	Packaging
BS-SSPE-001	Solid Phase Extraction Column, Luer-Inlet, 1mL	20units/bag

## Spin Column & Collection Tube

Spin columns are essential for basic research in molecular biology, genetics, and genomics. They are designed for the extraction and purification of DNA and RNA from various materials, ensuring high-quality nucleic acid isolation for downstream applications.

- Higher extraction purity, no need to use organic solvent extraction and precipitation
- Efficient binding ability for DNA, with a column capacity of up to 20µg
- High specificity, withstand high-speed centrifugation for extended periods and multiple solution treatments during the purification process.
- 3 specifications are available
  - 4 layer: Mostly used for gel recovery and PCR product purification
  - 6 layer/8 layer: Mostly used for plasmid or genomic DNA extraction



### Ordering information

Cat.No.	Description	Packaging
BS-SC-04	2mL spin column and collection tube, 4-layer filter membrane	100pcs/bag, 20bags/case
BS-SC-06	2mL spin column and collection tube, 6-layer filter membrane	100pcs/bag, 20bags/case
BS-SC-08	2mL spin column and collection tube, 8-layer filter membrane	100pcs/bag, 20bags/case
BS-20-RCT	2.0mL collection tube, round bottom, without lid	500pcs/bag



## Ultrafiltration Spin Columns

Biosharp ultrafiltration spin columns can quickly and effectively concentrate and purify biological sample. The unique vertical design and maximized filtration area can provide rapid sample processing and a high sample recovery rate (typically greater than 90% of dilute initial solution), while maintaining a mild concentration environment to preserve the activity and conformation of biological samples. Vertical design minimizes solute polarization and subsequent membrane fouling. The physical stop point in the filtration device prevents the sample from drying out and suffering losses caused by excessive rotation of the filter. Ultrafiltration molecular weight cut-off (MWCO) filter device uses PES membranes, which have a very low binding rate for proteins and nucleic acids. It is commonly used to concentrate small peptides, oligonucleotides, nucleic acids, enzymes, antibodies, and other similar macromolecules.

### Features:

- Material: polypropylene (PP) cap and tube, polycarbonate (PC) filter device, polyethersulfone (PES) membrane
- Effective filtration area: 7.2cm<sup>2</sup>, Retention volume: ≤30μL
- Large filtration area and vertical membrane design enable fast sample processing, provide a high sample recovery rate
- Low binding rate of biomolecules and high chemical compatibility
- Anti-drying lock design prevents sample from being damaged by excessive centrifugation. Lock volume: 300 μL
- Maximum centrifugal force: swing-bucket rotor 4000 xg (3000 xg for 100KD), fixed-angle rotor 5000 xg (3000 xg for 100KD)
- Multiple pore size specifications, meet different requirements for molecular weight cut-off (MWCO)



### Applications:

- Concentrating and desalting proteins and nucleic acids
- Buffer exchange or desalting of chromatographic components
- Harvesting biomolecules from the culture medium
- Concentrating or separating viruses
- Crude separation of biomolecule mixtures
- Removing debris and particles from cell lysates
- Removing primers, adapters, or molecular markers from the reaction mixture



### Ordering information

Cat.No.	Description	Packaging
BS-UFC-040-005	4mL ultrafiltration spin columns, PES membrane, 5kDa	24pcs/box
BS-UFC-040-010	4mL ultrafiltration spin columns, PES membrane, 10kDa	24pcs/box
BS-UFC-040-030	4mL ultrafiltration spin columns, PES membrane, 30kDa	24pcs/box
BS-UFC-040-050	4mL ultrafiltration spin columns, PES membrane, 50kDa	24pcs/box
BS-UFC-040-100	4mL ultrafiltration spin columns, PES membrane, 100kDa	24pcs/box
BS-UFC-150-005	15mL ultrafiltration spin columns, PES membrane, 5kDa	12pcs/box
BS-UFC-150-010	15mL ultrafiltration spin columns, PES membrane, 10kDa	12pcs/box
BS-UFC-150-030	15mL ultrafiltration spin columns, PES membrane, 30kDa	12pcs/box
BS-UFC-150-050	15mL ultrafiltration spin columns, PES membrane, 50kDa	12pcs/box
BS-UFC-150-100	15mL ultrafiltration spin columns, PES membrane, 100kDa	12pcs/box



## Centrifugal Protein Purification Empty Spin Column

Centrifugal protein purification empty column is an essential tool in the field of protein purification, which is mainly used to separate and purify proteins from complex biological samples. Generally, it is filled with a specific chromatography medium, such as agarose, dextran, affinity chromatography resin or biogel, through centrifugation, it can rapidly purify proteins. After the centrifugation, the bound proteins can be eluted from the chromatography medium by using appropriate elution buffers.

- Medical-grade polypropylene column tube, ensures low protein binding and excellent biocompatibility
- The sieve plate is made of UHMW-PE (Ultra - High Molecular Weight Polyethylene), reduce the non-specific binding
- Applications: affinity chromatography, desalting of nucleic acids and proteins, immunoprecipitation (IP), co-immunoprecipitation (Co - IP), etc.



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### Ordering information

Cat.No.	Description	Packaging
BS-PSC-008-L	800µL Empty spin column, hydrophilic sieve plate, for protein purification	20units/box
BS-PSC-008-B	800µL Empty spin column, hydrophobic sieve plate, for protein purification	20units/box
BS-PSC-015	1.5mL Empty spin column, hydrophilic sieve plate, for protein purification	20units/box
BS-PSC-015-C	1.5mL Empty spin column, hydrophilic sieve plate, tubes with lids, for protein purification	20units/box
BS-PSC-020	2.0mL Empty spin column, hydrophilic sieve plate, for protein purification	20units/box
BS-PSC-020-C	2.0mL Empty spin column, hydrophilic sieve plate, tubes with lids, for protein purification	20units/box
BS-PSC-020-T	2.0mL Empty spin column, 1 hydrophilic and 1 hydrophobic sieve plate, for protein purification	20units/box
BS-PSC-150	15mL Empty spin column, hydrophobic sieve plate, for protein purification	5units/bag
BS-PSC-500	50mL Empty spin column, hydrophobic sieve plate, for protein purification	5units/bag

## Affinity Chromatography Column

- Polypropylene material
- Hydrophilic frits
- Suitable for filtration and purification of various samples
- Various specifications are available
- Contains empty column tube, two cap and two frits
- The Hydrophilic frits are made from ultra-high molecular weight PE (UHMW-PE)



H-05

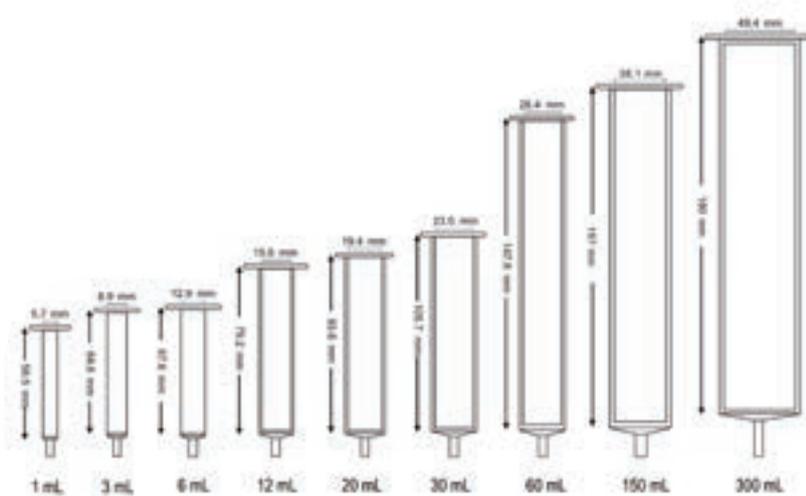


### Ordering information

Cat.No.	Description	Size	Packaging
BS-AC-001	1mL Affinity Chromatography Column	5.7*56.5 mm	10units/bag
BS-AC-003	3mL Affinity Chromatography Column	8.9*64.6 mm	10units/bag
BS-AC-006	6mL Affinity Chromatography Column	12.9*67.6 mm	10units/bag
BS-AC-012	12mL Affinity Chromatography Column	15.6*79.2 mm	10units/bag
BS-AC-030	30mL Affinity Chromatography Column	23.5*105.7mm	10units/bag
BS-AC-060	60mL Affinity Chromatography Column	26.4*134.8mm	10units/bag
BS-AC-150	150mL Affinity Chromatography Column	38.1*157.0mm	1unit/bag
BS-AC-300	300mL Affinity Chromatography Column	49.4*180.0mm	1unit/bag

## Solid Phase Extraction Column

- Polypropylene material
- Various specifications are available
- The hydrophobic frits are made from the ultra-high molecular weight PE (UHMW-PE)
- Suitable for filtration and purification of various samples
- Contains empty column tube and 2 hydrophobic frits



### Ordering information

Cat.No.	Description	Packaging
BS-SPE-001	1mL Solid phase extraction column	20units/bag
BS-SPE-003	3mL Solid phase extraction column	20units/bag
BS-SPE-006	6mL Solid phase extraction column	20units/bag
BS-SPE-012	12mL Solid phase extraction column	20units/bag
BS-SPE-020	20mL Solid phase extraction column	10units/bag
BS-SPE-030	30mL Solid phase extraction column	5units/bag
BS-SPE-060	60mL Solid phase extraction column	5units/bag
BS-SPE-150	150mL Solid phase extraction column	1unit/bag
BS-SPE-300	300mL Solid phase extraction column	1unit/bag
BS-SPE-001-A	1mL Solid phase extraction column, flangeless	5units/bag, 20bags/box
BS-SPE-003-A	3mL Solid phase extraction column, flangeless	5units/bag, 20bags/box
BS-SPE-006-A	6mL Solid phase extraction column, flangeless	5units/bag, 20bags/box
BS-SPE-012-A	12mL Solid phase extraction column, flangeless	5units/bag, 20bags/box



## Medium Pressure Chromatography Column

Biosharp medium pressure chromatography column is specifically designed for the purification of antigens and antibodies, recombinant proteins, as well as protein desalting. It can be filled with chromatography media based on separation mechanisms such as immunoaffinity, ion exchange, gel filtration, and reverse phase. It's powerful for purifying antibodies, proteins, and other molecules. The medium pressure chromatography column is compatible with liquid phase purification systems (such as the ÄKTA purifier), and can also be connected to syringes or peristaltic pumps.

- Volume: 1mL, 5mL
- The column tube is made of medical-grade polypropylene (PP), has low adsorption and excellent biocompatibility
- Can be used in series to enhance the purification performance
- The maximum withstand pressure: 0.5MPa
- It can be applied to purify proteins, nucleic acids, polypeptides from different sources, as well as protein desalting, etc



### Ordering information

Cat.No.	Description	Packaging
BS-MC-001-G	1mL Medium pressure chromatography column, green cap	5units/bag, 10bags/box
BS-MC-001-R	1mL Medium pressure chromatography column, red cap	5units/bag, 10bags/box
BS-MC-005-G	5mL Medium pressure chromatography column, green cap	5units/bag, 10bags/box
BS-MC-005-R	5mL Medium pressure chromatography column, red cap	5units/bag, 10bags/box
BS-MCI-001	1mL Column installation tool	1pc/box
BS-MCI-005	5mL Column installation tool	1pc/box
BS-MCP-001	Packing push rod for 1mL medium pressure chromatography column	1pc/box
BS-MCP-005	Packing push rod for 5mL medium pressure chromatography column	1pc/box

H-07



## Dialysis Membrane

Dialysis is a classic laboratory technique that relies on selective diffusion of molecules across a semi-permeable membrane to separate molecules based on size. Dialysis is used for a wide variety of applications: desalting, buffer exchange, virus purification, blood treatment and etc..

- Molecular weight cut-off: available in 3500, 7000, and 14,000 daltons
- PH stability range: stable in the pH range of 5 to 9
- Protein absorption: < 1 ng/g of dry membrane
- Temperature resistance: membranes can be sterile by autoclave
- Membranes with aqueous solutions can be frozen



### Ordering information

Cat.No.	Description	Packaging
BS-QT-015-J	Dialysis membrane, 6mm, MD10, MW:14000	150m/roll
BS-QT-016	Dialysis membrane, 16mm, MD25, MW:14000	5m/roll
BS-QT-016-J	Dialysis membrane, 16mm, MD25, MW:14000	150m/roll
BS-QT-017	Dialysis membrane, 22mm, MD34, MW:14000	5m/roll
BS-QT-017-J	Dialysis membrane, 22mm, MD34, MW:14000	150m/roll
BS-QT-018	Dialysis membrane, 28mm, MD44, MW:14000	5m/roll
BS-QT-018-J	Dialysis membrane, 28mm, MD44, MW:14000	150m/roll
BS-QT-019	Dialysis membrane, 49mm, MD77, MW:14000	5m/roll
BS-QT-019-J	Dialysis membrane, 49mm, MD77, MW:14000	150m/roll
BS-QT-020	Dialysis membrane, 22mm, MD34, MW:7000	5m/roll
BS-QT-020-J	Dialysis membrane, 22mm, MD34, MW:7000	150m/roll
BS-QT-021	Dialysis membrane, 22mm, MD34, MW:3500	5m/roll
BS-QT-021-J	Dialysis membrane, 22mm, MD34, MW:3500	150m/roll
BS-QT-022	Dialysis membrane, 28mm, MD44, MW:3500	5m/roll
BS-QT-022-J	Dialysis membrane, 28mm, MD44, MW:3500	150m/roll
BS-QT-051	Dialysis membrane, 16mm, MD25, MW:3500	5m/roll
BS-QT-051-J	Dialysis membrane, 16mm, MD25, MW:3500	150m/roll
BS-QT-052	Dialysis membrane, 35mm, MD55, MW:14000	5m/roll
BS-QT-052-J	Dialysis membrane, 35mm, MD55, MW:14000	150m/roll
BS-QT-053	Dialysis membrane, 35mm, MD55, MW:3500	5m/roll
BS-QT-053-J	Dialysis membrane, 35mm, MD55, MW:3500	150m/roll
BS-QT-054	Dialysis membrane, 35mm, MD55, MW:7000	5m/roll
BS-QT-054-J	Dialysis membrane, 35mm, MD55, MW:7000	150m/roll
BS-QT-055	Dialysis membrane, 28mm, MD44, MW:7000	5m/roll
BS-QT-055-J	Dialysis membrane, 28mm, MD44, MW:7000	150m/roll
BS-QT-056	Dialysis membrane, 16mm, MD25, MW:7000	5m/roll
BS-QT-056-J	Dialysis membrane, 16mm, MD25, MW:7000	150m/roll

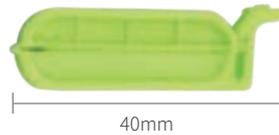


## Dialysis Tubing Closure

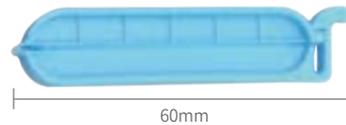
Biosharp Dialysis Tubing Closures are specially designed with gentle sealing ridges, universal closures are the ideal all-purpose closure that creates a reliable seal with all membrane grades, types and thicknesses. Available in three colors for easy sample identification. Provides an optimum seal every time and minimizes the risk of leakage.

- Three sizes: 40mm, 60mm, 80mm
- Secure and long-lasting
- Ideal for dialysis tubing closure
- Reusable

Provides an optimum seal every time and minimizes the risk of leakage.



**BS-QT-023**  
for MD25, MD34 dialysis membranes



**BS-QT-024**  
for MD25, MD34, MD44 dialysis membranes



**BS-QT-025**  
for MD77 dialysis membranes

### Ordering information

Cat.No.	Description	Packaging
BS-QT-023	Dialysis tubing closures, size 40mm, for MD25, MD34 dialysis membranes	1pc/unit
BS-QT-024	Dialysis tubing closures, size 60mm, for MD25, MD34, MD44 dialysis membranes	1pc/unit
BS-QT-025	Dialysis tubing closures, size 80mm, for MD77 dialysis membranes	1pc/unit
BS-QT-058	Dialysis tubing closures, size 90mm, for MD77 dialysis membranes	1pc/unit

H-09



## Vials

Biosharp Vials are made of low borosilicate glass, the low borosilicate glass short thread vials have special short thread design, only need a half turn to ensure complete sealing. Biosharp vials are with graduation and marking area, easy to observe. The vial caps is made of polypropylene material, with white PTFE/ red silicone septa. Standard glass or plastic vials for GC and HPLC, micro-inserts, closures and kits. Used universally on almost all autosamplers.

## Glass Vials

- Manufactured from borosilicate glass
- Clear and amber vials are available
- Unique thread design ensures consistent sealing
- High-precision processing technology



## Ordering information

Cat.No.	Description	Size (mm)	Packaging
BS-02-JYP	2mL vials, with graduation, clear, screw top	12*32	100pcs/box, 36boxes/case
BS-01-JYP	2mL vials, with graduation, amber, screw top	12*32	100pcs/box, 36boxes/case
BS-05-JYP	2mL vials, with graduation, amber, screw top, neutral borosilicate glass	12*32	100pcs/box
BS-JYP-015C	1.5mL Recovery vial, non-graduated, clear, screw top	12*32	100pcs/box
BS-JYP-015A	1.5mL Recovery vial, non-graduated, amber, screw top	12*32	100pcs/box
BS-JYP-NG-020C	2mL vials, non-graduated, clear, screw top	12*32	100pcs/box
BS-JYP-NG-020A	2mL vials, non-graduated, amber, screw top	12*32	100pcs/box
BS-JYP-NG-020S	2mL vials, non-graduated, amber, premium glass	12*32	100pcs/box
BS-JYP-VMI-020C	2mL vials, non-graduated, clear, bottom with integrated, screw top	12*32	100pcs/box
BS-JYP-VMI-020A	2mL vials, non-graduated, amber, bottom with integrated, screw top	12*32	100pcs/box
BS-JYP-CR-020C	2mL vials, non-graduated, clear, crimp top	12*32	100pcs/box
BS-JYP-CR-020A	2mL vials, non-graduated, amber, crimp top	12*32	100pcs/box
BS-JYP-CR-020S	2mL vials, non-graduated, amber, premium glass	12*32	100pcs/box
BS-JYP-WP-020C	2mL vials, non-graduated, clear, snap top	12*32	100pcs/box
BS-JYP-WP-020A	2mL vials, non-graduated, amber, snap top	12*32	100pcs/box
BS-JYP-4A	4mL vials, with graduation, clear, screw top	15*45	100pcs/box
BS-JYP-4B	4mL vials, with graduation, amber, screw top	15*45	100pcs/box
BS-JYP-20A	20mL vials, non-graduated, clear, screw top	27.5*57	100pcs/box
BS-JYP-20B	20mL vials, non-graduated, amber, screw top	27.5*57	100pcs/box
BS-JYP-40A	40mL vials, non-graduated, clear, screw top	27.5*95	100pcs/box
BS-JYP-40B	40mL vials, non-graduated, amber, screw top	27.5*95	100pcs/box
BS-JYP-60A	60mL vials, non-graduated, clear, screw top	27.5*140	100pcs/box
BS-JYP-60B	60mL vials, non-graduated, amber, screw top	27.5*140	100pcs/box
BS-JYP-CR-200A	20mL vials, non-graduated, clear, rounded-flat bottom, crimp top	22.5*75	100pcs/box
BS-JYP-CR-200B	20mL vials, non-graduated, clear, flat bottom, crimp top	22.5*75	100pcs/box



# Sample Pretreatment

Cat.No.	Description	Packaging
BS-JYP-NG-0208CG	2mL vials, graduated, clear, 8mm screw top	100pcs/box
BS-JYP-CR-020CG	2mL vials, graduated, clear, crimp top	100pcs/box
BS-JYP-CR-020AG	2mL vials, graduated, amber, crimp top	100pcs/box
BS-JYP-CR-020SG	2mL vials, graduated, amber, premium glass	100pcs/box
BS-JYP-WP-020CG	2mL vials, graduated, clear, snap top	100pcs/box
BS-JYP-WP-020AG	2mL vials, graduated, amber, snap top	100pcs/box
BS-JYP-NG-040C	4mL vials, non-graduated, clear neutral borosilicate glass, screw top	100pcs/box
BS-JYP-NG-040A	4mL vials, non-graduated, amber neutral borosilicate glass, screw top	100pcs/box

## Plastic Vials

- Manufactured from polypropylene material
- Vial size: 12.6\*32.2mm
- Unique thread design ensures consistent sealing
- Consistent size between batches
- The well-proportioned flat bottom ensures the matching with the vial micro insert

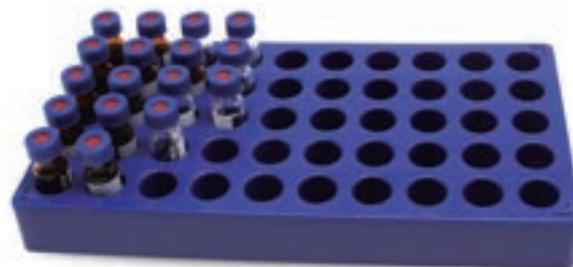


### Ordering information

Cat.No.	Description	Packaging
BS-PV-300	300µL Plastic vial, polypropylene, 12.6mm*32.2mm, 9mm thread	100pcs/box
BS-PV-2000	2mL Plastic vial, polypropylene, 12.6mm*32.2mm, 9mm thread	100pcs/box

## Vial Racks

- Polypropylene material
- Size: 18.5\*9.2\*2.1 cm
- Holds up to 50 Thread Vials of 1.5-2 mL
- Alphanumeric indexing for easy vial identification
- Sturdy and durable



### Ordering information

Cat.No.	Description	Packaging
BS-20-TVR	Vial rack, 18.5*9.2*2.1 cm	1pc/unit

H-11



biosharp  
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## Vial Caps

- Various specifications are available
- Use for vials that are provided without caps
- Select cap and liner material for your application
- Suitable for Biosharp vials
- Not autoclavable



BS-03-JYP



BS-04-JYP



BS-PV-STC



BS-JYP-CAP-5



BS-JYP-CAP-6



BS-JYP-CRC-200



BS-JYP-CRC-020



BS-JYP-CRC-020-A

## Ordering information

Cat.No.	Description	Packaging
BS-03-JYP	9mm vial cap, blue, with white PTFE/ red silicone septa	100pcs/bag
BS-04-JYP	9mm vial cap pre-slit cap, blue, with white PTFE/ red silicone septa	100pcs/bag
BS-JYP-NGC-020	2mL Non-graduated vial cap, 1.0mm white film red glue gasket	100pcs/bag
BS-JYP-NGC-020P	2mL Non-graduated vial cap, 1.0mm white film red glue gasket, pre-cut	100pcs/bag
BS-JYP-NGC-0208	8mm Black short screw-thread cap, polypropylene cap with red PTFE/white silicone septa	100pcs/bag
BS-JYP-NGC-040	13mm Black short screw-thread cap, polypropylene cap with white PTFE/red silicone septa	100pcs/bag
BS-JYP-CRC-020	2mL Crimp vial sample cap with red PTFE/white Silicone Septa, 1mm	100pcs/bag
BS-JYP-CRC-020-A	2mL Crimp vial sample cap with white PTFE/ red Silicone Septa, 1mm	100pcs/bag
BS-JYP-WPC-020	2mL Snap vial cap with red PTFE/white silicone, 1mm	100pcs/bag
BS-JYP-CAP-4	4mL Via cap with red PTFE/white silicone septa	100pcs/bag
BS-JYP-CAP-5	20/30/40/60mL Vial cap with natural PTFE/white silicone septa, 3mm	100pcs/bag
BS-JYP-CAP-6	20/30/40/60mL Vial cap with natural PTFE/white silicone septa, 1.5mm	100pcs/bag
BS-JYP-CRC-200	20mL Crimp vial sample cap with white silicone septa, 3mm	100pcs/bag
BS-PV-STC	Plastic vial cap with septa, suitable for 9mm polypropylene vial (BS-PV-300/BS-PV-2000)	100pcs/bag



BS-JYP-WPC-020



BS-JYP-CAP-4  
BS-JYP-NGC-0208



BS-JYP-NGC-040



## Micro Inserts for Vials

Biosharp Micro Inserts are mainly used with short thread vials. Micro Inserts decrease the surface area inside chromatography vials, enabling maximum sample recovery. Inserts are ideal for limited and micro volume applications. Various micro inserts designed for use with chromatography autosampler vials, designed to hold a specific sample volume.

- Manufactured from clear glass
- Three bottom styles are available
- Conical bottom with polyspring micro inserts have the function of damping and can be automatically calibrated to keep upright
- Conical bottom micro inserts are an economical choice for micro sample loading
- Flat bottom micro inserts can be perfectly matched with 9-425 automatic sampling bottles of Agilent, water and other brands



**BS-VMI-6CP**  
Conical bottom  
base with polyspring



**BS-VMI-6C**  
Conical bottom



**BS-VMI-6F**  
Flat bottom

### Sketch Map

Micro Inserts and Short thread vial



BS-VMI-6CP



BS-VMI-6C



BS-VMI-6F

### Ordering information

Cat.No.	Description	Packaging
BS-VMI-5CP	5×29mm vial micro insert, conical bottom, base with polyspring	100pcs/box
BS-VMI-5C	5×31mm vial micro insert, conical bottom	100pcs/box
BS-VMI-5F	5×31mm vial micro insert, flat bottom	100pcs/box
BS-VMI-6CP	6×29mm Vial micro insert, conical bottom, base with polyspring	100pcs/box
BS-VMI-6C	6×31mm Vial micro insert, conical bottom	100pcs/box
BS-VMI-6F	6×31mm Vial micro insert, flat bottom	100pcs/box



# Storage Bottles & Carboys



Carboy With Spigot  
Carboy Without Spigot  
Media Bottle  
GL45 Screw Cap  
GL45 Connection System  
Reagent Bottles

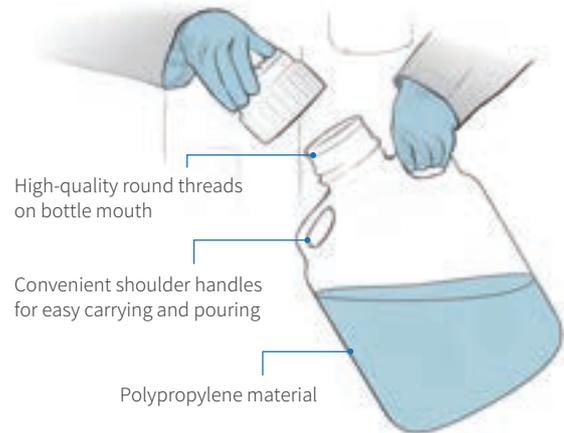
## Carboy

Biosharp Carboys with spigots are used for storing and dispensing solutions and media. Ideal for sterile water storage. Carboys are leak proof under standard test conditions. Spigots are required assembly by hand for usage. No tools are necessary for assembly. Biosharp carboys minimize risk, protecting your valuable products.

Biosharp polypropylene round carboys are ideal for storage and transfer of sterile fluids and biotech reagents. Graduated to identify the volume dispensed. Curved inner corners for easy cleaning, no sharp edges or voids that could cause difficult cleaning validations or nonhomogeneous stirring. Biosharp polypropylene carboys can be autoclaved before refilling to stop recurring bacterial growth.

### Carboy With Spigot

- Polypropylene material
- Excellent chemical resistance
- Clear graduation marks
- Feature an integrated shoulder handle
- Non-sterile
- Autoclavable without spigot



### Ordering information

Cat.No.	Description	Packaging
BS-HC-009	5L Polypropylene carboys, with spigot	1pc/case
BS-HC-010	10L Polypropylene carboys, with spigot	1pc/case
BS-HC-011	20L Polypropylene carboys, with spigot	1pc/case
BS-HC-012	25L Polypropylene carboys, with spigot	1pc/case
BS-HC-013	50L Polypropylene carboys, with spigot	1pc/case
BS-HC-038	Spigots for carboys	1pc/case

Note: Please take off the spigot, before autoclaving.

### Carboy Without Spigot

- Polypropylene/HDPE material
- Excellent chemical resistance
- Graduated to identify the volume dispensed
- Convenient shoulder handles for easy carrying and pouring
- Without spigot
- Non-sterile
- Autoclavable



BS-HC-038

### Ordering information

Cat.No.	Description	Material	Packaging
BS-HC-037	4L HDPE carboys	HDPE	1pc/case
BS-HC-034	10L Polypropylene carboys	Polypropylene	1pc/case
BS-HC-035	20L Polypropylene carboys	Polypropylene	1pc/case
BS-HC-036	50L Polypropylene carboys	Polypropylene	1pc/case



BS-HC-037

BS-HC-034

BS-HC-035

BS-HC-036

Note: Before autoclaving, set cap on top of carboy without engaging threads.

I-01



## Media Bottle

Biosharp Glass Media Bottles are widely used for the storage of various liquids in the laboratory, with thicker material, good sealing, with graduations and chemical resistance. These bottles are heavy-duty, reusable storage containers for media and other biological solutions. Permanent white enamel graduations, a marking spot, on the bottle for easy documentation are standard on all sizes.



Clear graduation



With pouring ring

- Two materials: 3.3 high borosilicate glass, soda-lime glass
- Polypropylene screw cap
- Can be used for storage, as well as for mixing and sampling
- GL45 thread
- Convenient sterile fluid storage
- Good chemical resistance
- With graduations
- Autoclavable
- Non-sterile



BS-GB-100-AM

BS-GB-250-AM

BS-GB-500-AM

BS-GB-1000-AM

BS-GB-2000-AM

BS-HC-2000

## Ordering information

Cat.No.	Description	Color	Packaging
BS-HC-100	100mL Glass media bottle	Clear	96pcs/case
BS-HC-250	250mL Glass media bottle	Clear	70pcs/case
BS-HC-500	500mL Glass media bottle	Clear	24pcs/case
BS-HC-1000	1000mL Glass media bottle	Clear	15pcs/case
BS-HC-2000	2000mL Glass media bottle	Clear	12pcs/case
BS-GB-100-AM	100mL Glass media bottle	Amber	96pcs/case
BS-GB-250-AM	250mL Glass media bottle	Amber	70pcs/case
BS-GB-500-AM	500mL Glass media bottle	Amber	24pcs/case
BS-GB-1000-AM	1000mL Glass media bottle	Amber	15pcs/case
BS-GB-2000-AM	2000mL Glass media bottle	Amber	12pcs/case
BS-33HB-100-C	100mL Glass media bottle, 3.3 high borosilicate	Clear	120pcs/case
BS-33HB-250-C	250mL Glass media bottle, 3.3 high borosilicate	Clear	48pcs/case
BS-33HB-500-C	500mL Glass media bottle, 3.3 high borosilicate	Clear	24pcs/case
BS-33HB-1000-C	1000mL Glass media bottle, 3.3 high borosilicate	Clear	20pcs/case



BS-HC-100

BS-HC-250



Caution: Do not tighten caps immediately after autoclaving as the vacuum resulting from cooling can cause breakage. These bottles should not be used in applications involving vacuum pressure as breakage may occur.



## GL45 Screw Cap

- Polypropylene Material
- Fully Compatible with Original GL 45 bottles
- Prevent evaporation of volatile compounds effectively
- The colour helps prevent interchanging of cap mix-ups and reduces the risk of cross contamination
- Autoclavable



### Ordering information

Cat.No.	Description	Packaging
BS-CAP-45-B	GL 45 Screw cap, blue	6pcs/bag, 30bags/case
BS-CAP-45-GR	GL 45 Screw cap, grey	6pcs/bag, 30bags/case
BS-CAP-45-O	GL 45 Screw cap, orange	6pcs/bag, 30bags/case
BS-CAP-45-R	GL 45 Screw cap, red	6pcs/bag, 30bags/case
BS-CAP-45-Y	GL 45 Screw cap, yellow	6pcs/bag, 30bags/case

I-03



## GL45 Connection System

- Polypropylene material
- Seal to the bottle which is resistant to commonly used HPLC solvents
- Prevent evaporation of volatile compounds effectively
- These caps are designed for use on HPLC mobile phase reservoir and storage bottles with GL 45 thread

### Ordering information

Cat. No.	Description	Packaging
BS-MPC-02	Mobile phase caps, blue, two holes	1pc/bag
BS-MPC-03	Mobile phase caps, red, three holes	1pc/bag
BS-MPC-04	Mobile phase caps, yellow, four holes	1pc/bag



BS-MPC-02



BS-MPC-03



BS-MPC-04

## Reagent Bottles

Biosharp Reagent Bottles are suitable for anything from wide general lab use to storing critical, high-value materials. Bottles are with excellent chemical resistance to most acids, bases, and alcohols. The wide mouth is easy to fill with dry materials or liquids. Narrow mouth polypropylene translucent bottles have excellent contact clarity.

Translucent, amber or nature color laboratory quality reagent bottles are with many applications in laboratory. These reagent bottles are suitable for universities and industrial laboratories, can be used for storing, shipping, and packing liquids.

- Material: High density polyethylene or polypropylene
- Bottles are available in translucent, amber and nature color
- High Density Polyethylene bottles are flexible and have excellent strength
- Translucence allows easy viewing of liquid levels
- Excellent durability and sample protection
- Amber reduces UV light transmissions to protect light-sensitive liquids
- Sterile
- Autoclavable



HDPE, amber

HDPE, natural

PP, clear

### Ordering information

Membrane Type	Cat.No.	Description	Package
PP	BS-RB-PP-0008-C	8mL reagent bottle, wide mouth, polypropylene, clear	20pcs/bag, 20bags/case
	BS-RB-PP-0015-C	15mL reagent bottle, wide mouth, polypropylene, clear	20pcs/bag, 20bags/case
	BS-RB-PP-0030-C	30mL reagent bottle, wide mouth, polypropylene, clear	10pcs/bag, 20bags/case
	BS-RB-PP-0060-C	60mL reagent bottle, wide mouth, polypropylene, clear	10pcs/bag, 20bags/case
	BS-RB-PP-0125-C	25mL reagent bottle, wide mouth, polypropylene, clear	10pcs/bag, 10bags/case
	BS-RB-PP-0250-C	250mL reagent bottle, wide mouth, polypropylene, clear	10pcs/bag, 10bags/case
	BS-RB-PP-0500-C	500mL reagent bottle, wide mouth, polypropylene, clear	5pcs/bag, 10bags/case
	BS-RB-PP-1000-C	1000mL reagent bottle, wide mouth, polypropylene, clear	5pcs/bag, 10bags/case
	BS-RB-PP-0008-NC	8mL reagent bottle, narrow mouth, polypropylene, clear	20pcs/bag, 20bags/case
	BS-RB-PP-0015-NC	15mL reagent bottle, narrow mouth, polypropylene, clear	20pcs/bag, 20bags/case
	BS-RB-PP-0030-NC	30mL reagent bottle, narrow mouth, polypropylene, clear	10pcs/bag, 20bags/case
	BS-RB-PP-0060-NC	60mL reagent bottle, narrow mouth, polypropylene, clear	10pcs/bag, 20bags/case
	BS-RB-PP-0125-NC	25mL reagent bottle, narrow mouth, polypropylene, clear	10pcs/bag, 10bags/case
	BS-RB-PP-0250-NC	250mL reagent bottle, narrow mouth, polypropylene, clear	10pcs/bag, 10bags/case
	BS-RB-PP-0500-NC	500mL reagent bottle, narrow mouth, polypropylene, clear	5pcs/bag, 10bags/case
	BS-RB-PP-1000-NC	1000mL reagent bottle, narrow mouth, polypropylene, clear	5pcs/bag, 10bags/case

I-04



# Storage Bottles & Carboys

## Ordering information

Membrane Type	Cat.No.	Description	Package
HDPE	BS-RB-HDPE-0008-A	8mL reagent bottle, wide mouth, high-density polyethylene, amber	20pcs/bag, 20bags/case
	BS-RB-HDPE-0015-A	15mL reagent bottle, wide mouth, high-density polyethylene, amber	20pcs/bag, 20bags/case
	BS-RB-HDPE-0030-A	30mL reagent bottle, wide mouth, high-density polyethylene, amber	10pcs/bag, 20bags/case
	BS-RB-HDPE-0060-A	60mL reagent bottle, wide mouth, high-density polyethylene, amber	10pcs/bag, 20bags/case
	BS-RB-HDPE-0125-A	125mL reagent bottle, wide mouth, high-density polyethylene, amber	10pcs/bag, 10bags/case
	BS-RB-HDPE-0250-A	250mL reagent bottle, wide mouth, high-density polyethylene, amber	10pcs/bag, 10bags/case
	BS-RB-HDPE-0500-A	500mL reagent bottle, wide mouth, high-density polyethylene, amber	5pcs/bag, 10bags/case
	BS-RB-HDPE-1000-A	1000mL reagent bottle, wide mouth, high-density polyethylene, amber	5pcs/bag, 10bags/case
	BS-RB-HDPE-0008-NA	8mL reagent bottle, narrow mouth, high-density polyethylene, amber	20pcs/bag, 20bags/case
	BS-RB-HDPE-0015-NA	15mL reagent bottle, narrow mouth, high-density polyethylene, amber	20pcs/bag, 20bags/case
	BS-RB-HDPE-0030-NA	30mL reagent bottle, narrow mouth, high-density polyethylene, amber	10pcs/bag, 20bags/case
	BS-RB-HDPE-0060-NA	60mL reagent bottle, narrow mouth, high-density polyethylene, amber	10pcs/bag, 20bags/case
	BS-RB-HDPE-0125-NA	125mL reagent bottle, narrow mouth, high-density polyethylene, amber	10pcs/bag, 10bags/case
	BS-RB-HDPE-0250-NA	250mL reagent bottle, narrow mouth, high-density polyethylene, amber	10pcs/bag, 10bags/case
	BS-RB-HDPE-0500-NA	500mL reagent bottle, narrow mouth, high-density polyethylene, amber	5pcs/bag, 10bags/case
	BS-RB-HDPE-1000-NA	1000mL reagent bottle, narrow mouth, high-density polyethylene, amber	5pcs/bag, 10bags/case
	BS-RB-HDPE-0008-C	8mL reagent bottle, wide mouth, high-density polyethylene, natural	20pcs/bag, 20bags/case
	BS-RB-HDPE-0015-C	15mL reagent bottle, wide mouth, high-density polyethylene, natural	20pcs/bag, 20bags/case
	BS-RB-HDPE-0030-C	30mL reagent bottle, wide mouth, high-density polyethylene, natural	10pcs/bag, 20bags/case
	BS-RB-HDPE-0060-C	60mL reagent bottle, wide mouth, high-density polyethylene, natural	10pcs/bag, 20bags/case
	BS-RB-HDPE-0125-C	125mL reagent bottle, wide mouth, high-density polyethylene, natural	10pcs/bag, 10bags/case
	BS-RB-HDPE-0250-C	250mL reagent bottle, wide mouth, high-density polyethylene, natural	10pcs/bag, 10bags/case
	BS-RB-HDPE-0500-C	500mL reagent bottle, wide mouth, high-density polyethylene, natural	5pcs/bag, 10bags/case
	BS-RB-HDPE-1000-C	1000mL reagent bottle, wide mouth, high-density polyethylene, natural	5pcs/bag, 10bags/case
	BS-RB-HDPE-0008-NC	8mL reagent bottle, narrow mouth, high-density polyethylene, natural	20pcs/bag, 20bags/case
	BS-RB-HDPE-0015-NC	15mL reagent bottle, narrow mouth, high-density polyethylene, natural	20pcs/bag, 20bags/case
	BS-RB-HDPE-0030-NC	30mL reagent bottle, narrow mouth, high-density polyethylene, natural	10pcs/bag, 20bags/case
	BS-RB-HDPE-0060-NC	60mL reagent bottle, narrow mouth, high-density polyethylene, natural	10pcs/bag, 20bags/case
	BS-RB-HDPE-0125-NC	125mL reagent bottle, narrow mouth, high-density polyethylene, natural	10pcs/bag, 10bags/case
	BS-RB-HDPE-0250-NC	250mL reagent bottle, narrow mouth, high-density polyethylene, natural	10pcs/bag, 10bags/case
	BS-RB-HDPE-0500-NC	500mL reagent bottle, narrow mouth, high-density polyethylene, natural	5pcs/bag, 10bags/case
	BS-RB-HDPE-1000-NC	1000mL reagent bottle, narrow mouth, high-density polyethylene, natural	5pcs/bag, 10bags/case

I-05



# Personal Protective Equipment



Face Mask  
Activated Carbon Mask  
Hairnet  
Shoe Cover  
Protective Suit  
Lab Coat

## Face Mask

- Non-woven fabric material
- Earloop face mask
- The best solution for security protection
- Soft, lightweight and highly breathable inner layer
- Gentle and non-irritating
- Individually packaged
- Non-sterile

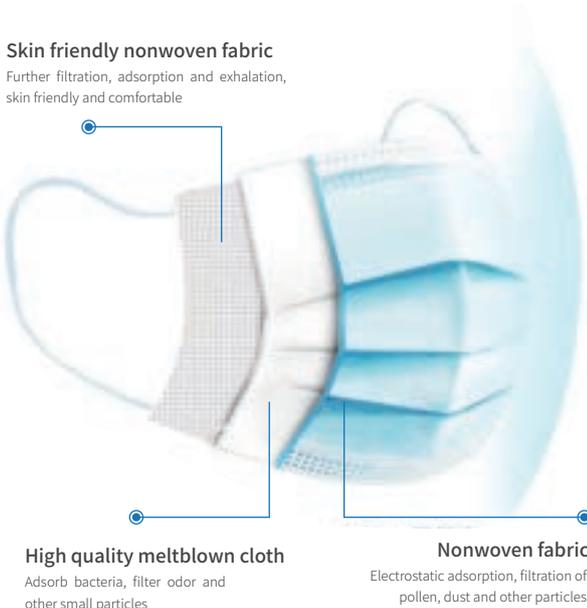


### Ordering information

Cat. No.	Description	Package
BC018	Disposable face mask, non-woven fabric material	50pcs/box, 40boxes/case

#### Skin friendly nonwoven fabric

Further filtration, adsorption and exhalation, skin friendly and comfortable



**High quality meltblown cloth**  
Adsorb bacteria, filter odor and other small particles

**Nonwoven fabric**  
Electrostatic adsorption, filtration of pollen, dust and other particles

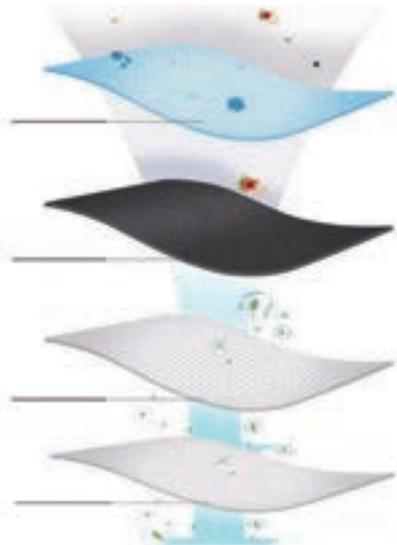
**BC018**

**Soft nonwoven fabric**  
Absorb dust, odor and droplet particles

**Activated carbon layer**  
Add activated carbon to effectively remove odor

**Melt blown filter layer**  
Effective filtration of non oily particles

**Skin friendly nonwoven fabric**  
Soft and comfortable, lightweight and breathable



**BC019**

## Activated Carbon Mask

- 4 - layer non-woven fabric activated charcoal mask
- Suitable for better protection against gases such as organic gases
- Soft, lightweight and highly breathable inner layer
- Gentle and non-irritating
- Individually packaged
- Non-sterile
- Disposable



### Ordering information

Cat. No.	Description	Package
BC019	4-layer non-woven fabric activated charcoal mask	50pcs/box, 40boxes/case

J-01



## Hairnet

- Applications: Lab, Pharmaceutical, Cleanroom, General purpose, Cleaning and maintenance, food industry
- Healthy material, non-woven fabric, wear-resistant, environment-friendly, odorless, blue
- High quality imported double tendons, 3.5 mm width, durable, good elasticity, better fit with the head
- Size: 53cm



### Ordering information

Cat. No.	Description	Package
BS-21-DPH	Disposable polypropylene hairnet	100pcs/box, 20boxes/case

## Shoe Cover

- Ease of use
- High quality nonwovens material, non-slip and wear-resistant
- Environmental protections and breathable, elegant
- Double rubber band mouth, elastic moderately and difficult to break



### Ordering information

Cat. No.	Description	Package
BS-DSC-001	Disposable shoe cover	100pcs/box, 10boxes/case
BS-DSC-002	Disposable shoe cover, thickened	100pcs/box, 10boxes/case



J-02



**biosharp**  
LIFE SCIENCES

## Protective Suit

- Polypropylene and polyethylene material
- Reasonable structure, easy to wear
- Suitable for laboratory, aquaculture, supermarket and so on as general protection isolation
- Individually packaged
- Disposables
- Nonsterile



### Ordering information

Cat. No.	Description	Package
BC038-L	Disposable protective clothing, L	1pc/bag
BC038-XL	Disposable protective clothing, XL	1pc/bag
BC038-XXL	Disposable protective clothing, XXL	1pc/bag

J-03



## Lab Coat

- Durable, comfortable poly/cotton fabric
- Reasonable structure, easy to wear
- Individually packaged
- Non-sterile
- Reusable



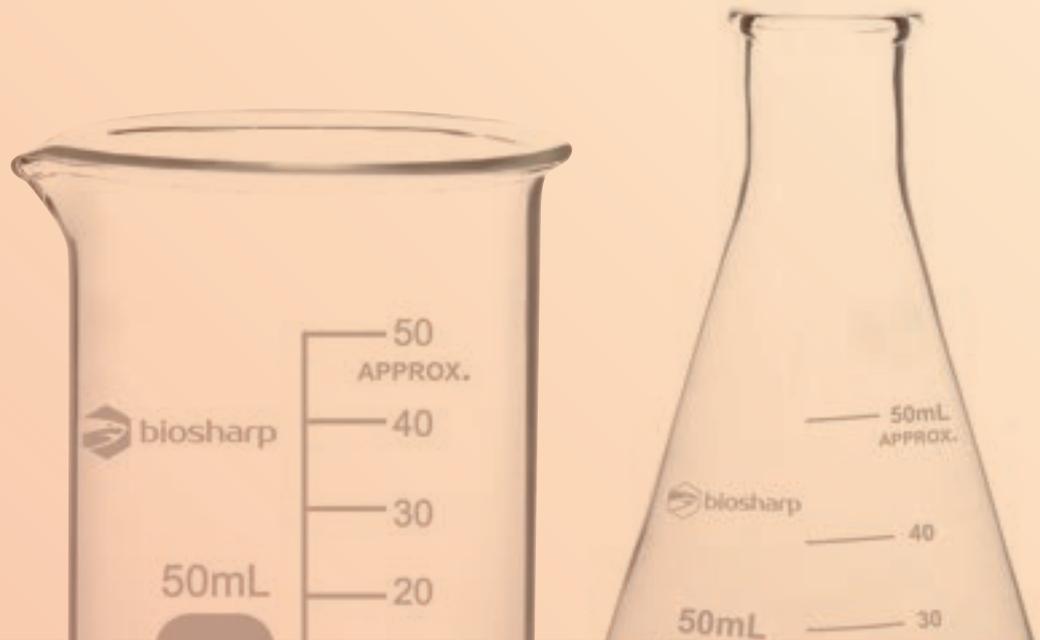
### Ordering information

Cat. No.	Description	Package
BC012-M	Man's Lab Coat, M	20pcs/case
BC012-L	Man's Lab Coat, L	20pcs/case
BC012-XL	Man's Lab Coat, XL	20pcs/case
BC012-XXL	Man's Lab Coat, XXL	20pcs/case
BC012-S-D	Man's Lab Coat, short sleeves, S	1pc/bag
BC012-M-D	Man's Lab Coat, short sleeves, M	1pc/bag
BC012-L-D	Man's Lab Coat, short sleeves, L	1pc/bag

Cat. No.	Description	Package
BC012-XL-D	Man's Lab Coat, short sleeves, XL	1pc/bag
BC012-XXL-D	Man's Lab Coat, short sleeves, XXL	1pc/bag
BC012-XXXL-D	Man's Lab Coat, short sleeves, XXXL	1pc/bag
BC012-S-CB	Man's Lab Coat, with blue edges chest pocket, S	1pc/bag
BC012-M-CB	Man's Lab Coat, with blue edges chest pocket, M	1pc/bag
BC012-L-CB	Man's Lab Coat, with blue edges chest pocket, L	1pc/bag
BC012-XL-CB	Man's Lab Coat, with blue edges chest pocket, XL	1pc/bag
BC012-XXL-CB	Man's Lab Coat, with blue edges chest pocket, XXL	1pc/bag
BC012-XXXL-CB	Man's Lab Coat, with blue edges chest pocket, XXXL	1pc/bag
BC012-S-DB	Man's Lab Coat, short sleeves, with blue edges chest pocket, S	1pc/bag
BC012-M-DB	Man's Lab Coat, short sleeves, with blue edges chest pocket, M	1pc/bag
BC012-L-DB	Man's Lab Coat, short sleeves, with blue edges chest pocket, L	1pc/bag
BC012-XL-DB	Man's Lab Coat, short sleeves, with blue edges chest pocket, XL	1pc/bag
BC012-XXL-DB	Man's Lab Coat, short sleeves, with blue edges chest pocket, XXL	1pc/bag
BC012-XXXL-DB	Man's Lab Coat, short sleeves, with blue edges chest pocket, XXXL	1pc/bag
BC013-S	Women's Lab Coat, S	20pcs/case
BC013-M	Women's Lab Coat, M	20pcs/case
BC013-L	Women's Lab Coat, L	20pcs/case
BC013-S-D	Women's Lab Coat, short sleeves, S	1pc/bag
BC013-M-D	Women's Lab Coat, short sleeves, M	1pc/bag
BC013-L-D	Women's Lab Coat, short sleeves, L	1pc/bag
BC013-XL-D	Women's Lab Coat, short sleeves, XL	1pc/bag
BC013-XXL-D	Women's Lab Coat, short sleeves, XXL	1pc/bag
BC013-XXXL-D	Women's Lab Coat, short sleeves, XXXL	1pc/bag
BC013-S-CB	Women's Lab Coat, with blue edges chest pocket, S	1pc/bag
BC013-M-CB	Women's Lab Coat, with blue edges chest pocket, M	1pc/bag
BC013-L-CB	Women's Lab Coat, with blue edges chest pocket, L	1pc/bag
BC013-XL-CB	Women's Lab Coat, with blue edges chest pocket, XL	1pc/bag
BC013-XXL-CB	Women's Lab Coat, with blue edges chest pocket, XXL	1pc/bag
BC013-XXXL-CB	Women's Lab Coat, with blue edges chest pocket, XXXL	1pc/bag
BC013-S-DB	Women's Lab Coat, short sleeves, with blue edges chest pocket, S	1pc/bag
BC013-M-DB	Women's Lab Coat, short sleeves, with blue edges chest pocket, M	1pc/bag
BC013-L-DB	Women's Lab Coat, short sleeves, with blue edges chest pocket, L	1pc/bag
BC013-XL-DB	Women's Lab Coat, short sleeves, with blue edges chest pocket, XL	1pc/bag
BC013-XXL-DB	Women's Lab Coat, short sleeves, with blue edges chest pocket, XXL	1pc/bag
BC013-XXXL-DB	Women's Lab Coat, short sleeves, with blue edges chest pocket, XXXL	1pc/bag



# Glassware



Beaker  
Erlenmeyer Flask  
Glass Test Tube  
Serological Tube  
Capillary  
Glass Staining Jar

## Beaker

The beaker is a common glassware in laboratory. Biosharp's beaker is made of 3.3 high borosilicate glass. Cylindrical in shape, it features a rounded, broad base for stable standing. A pouring spout on the rim enhances liquid transfer. It's widely used for stirring, mixing, and heating solutions in lab settings.

- Available in capacities of 50mL, 100mL, 250mL, 500mL, 1000mL, 2000mL, and 3000mL
- 3.3 high borosilicate glass, with pouring spout and graduated markings
- Straight-sided wall makes it easy to measure the volume of liquid inside
- Enamel graduation and marking area is durable, convenient for reading and writing
- Uniform in thickness, it hardly breaks when heated



### Ordering information

Cat.No.	Description	Packaging
BS-LFB-50	50mL Low form beaker, with graduation	12pcs/unit, 16units/case
BS-LFB-100	100mL Low form beaker, with graduation	12pcs/unit, 16units/case
BS-LFB-250	250mL Low form beaker, with graduation	12pcs/unit, 4units/case
BS-LFB-3000	3000mL Low form beaker, with graduation	1pc/unit, 6units/case
BS-LFB-500A	500mL Low form beaker, with graduation, heavy wall	1pc/unit, 24units/case
BS-LFB-1000A	1000mL Low form beaker, with graduation, heavy wall	1pc/unit, 24units/case
BS-LFB-2000A	2000mL Low form beaker, with graduation, heavy wall	1pc/unit, 12units/case
BS-LFB-UA	Low form beaker set of 500mL,1L,2L, with graduation, heavy wall	1 set

## Erlenmeyer flask

Biosharp erlenmeyer flask is made of 3.3 high borosilicate glass. It's generally used to storage or measure liquids roughly, also suitable for mixing, heating, and boiling solutions.

- Volume: 100mL, 250mL, 500mL, 1000mL
- 3.3 high borosilicate glass, with pouring spout and graduated markings
- Enamel graduation and marking area is durable, convenient for reading and writing
- Uniform in thickness, it hardly breaks when heated



### Ordering information

Cat.No.	Description	Packaging
BS-ELF-100	100ml Erlenmeyer flask, with graduation	12pcs/unit, 4units/case
BS-ELF-250	250ml Erlenmeyer flask, with graduation	8pcs/unit, 6units/case
BS-ELF-500	500ml Erlenmeyer flask, with graduation	6pcs/unit, 6units/case
BS-ELF-1000	1000ml Erlenmeyer flask, with graduation	6pcs/unit, 4units/case

K-01



## Glass test tube

Glass test tubes are important and commonly used glassware in laboratories. Normally used for mixing substances, heating, or holding a small amount of chemical reagents for analysis. Besides, they are applicable in tissue culture, blood banks, and other laboratory experiments.

- Neutral borosilicate and 3.3 high borosilicate glass are available
- High chemical resistance
- Uniform bottom, smooth and flat tube, rimless
- Non-sterile, autoclavable



### Ordering information

Cat.No.	Description	Material	Packaging	
BS-GT-NB-025-A	2.5mL Glass test tube, neutral borosilicate, 10*50mm	neutral borosilicate	100pcs/box, 10boxes/case	
BS-GT-NB-030-A	3.0mL Glass test tube, neutral borosilicate, 10*75mm		100pcs/box, 10boxes/case	
BS-GT-NB-030-B	3.0mL Glass test tube, neutral borosilicate, 11*70mm		100pcs/box, 10boxes/case	
BS-GT-NB-050-A	5.0mL Glass test tube, neutral borosilicate, 12*75mm		100pcs/box, 20boxes/case	
BS-GT-NB-070-A	7.0mL Glass test tube, neutral borosilicate, 12*100mm		50pcs/box, 40boxes/case	
BS-GT-NB-070-B	7.0mL Glass test tube, neutral borosilicate, 13*100mm		50pcs/box, 40boxes/case	
BS-GT-NB-080-A	8.0mL Glass test tube, neutral borosilicate, 12*110mm		50pcs/box, 20boxes/case	
BS-GT-NB-080-B	8.0mL Glass test tube, neutral borosilicate, 12*120mm		50pcs/box, 20boxes/case	
BS-GT-NB-100-S	10.0mL Glass test tube, neutral borosilicate, 15*100mm		25pcs/box, 40boxes/case	
BS-GT-NB-100-A	10.0mL Glass test tube, neutral borosilicate, 16*100mm		25pcs/box, 40boxes/case	
BS-GT-NB-120-A	12.0mL Glass test tube, neutral borosilicate, 15*125mm		25pcs/box, 40boxes/case	
BS-GT-NB-140-A	14.0mL Glass test tube, neutral borosilicate, 16*125mm		25pcs/box, 24boxes/case	
BS-GT-NB-170-A	17.0mL Glass test tube, neutral borosilicate, 16*160mm		25pcs/box, 40boxes/case	
BS-GT-NB-200-A	20.0mL Glass test tube, neutral borosilicate, 16*150mm		25pcs/box, 40boxes/case	
BS-GT-NB-250-A	25.0mL Glass test tube, neutral borosilicate, 18*150mm		25pcs/box, 12boxes/case	
BS-GT-NB-340-A	34.0mL Glass test tube, neutral borosilicate, 20*150mm		25pcs/box, 24boxes/case	
BS-GT-NB-440-A	44.0mL Glass test tube, neutral borosilicate, 20*200mm		25pcs/box, 24boxes/case	
BS-GT-DNB-025-A	2.5mL Glass test tube, neutral borosilicate, 10*50mm, disposable		3.3 high borosilicate	100pcs/box, 10boxes/case
BS-GT-DNB-030-A	3.0mL Glass test tube, neutral borosilicate, 10*75mm, disposable			100pcs/box, 10boxes/case
BS-GT-DNB-030-B	3.0mL Glass test tube, neutral borosilicate, 11*70mm, disposable			100pcs/box, 10boxes/case
BS-GT-DNB-080-A	8.0mL Glass test tube, neutral borosilicate, 12*110mm, disposable			50pcs/box, 20boxes/case
BS-GT-DNB-080-B	8.0mL Glass test tube, neutral borosilicate, 12*120mm, disposable			50pcs/box, 20boxes/case
BS-GT-DNB-100-A	10.0mL Glass test tube, neutral borosilicate, 16*100mm, disposable			25pcs/box, 40boxes/case
BS-GT-HB-050-A	5.0mL Glass test tube, 3.3 high borosilicate, 12*75mm			100pcs/box, 20boxes/case
BS-GT-HB-070-A	7.0mL Glass test tube, 3.3 high borosilicate, 12*100mm			50pcs/box, 40boxes/case
BS-GT-HB-070-B	7.0mL Glass test tube, 3.3 high borosilicate, 13*100mm			50pcs/box, 40boxes/case
BS-GT-HB-100-A	10.0mL Glass test tube, 3.3 high borosilicate, 16*100mm			25pcs/box, 40boxes/case
BS-GT-HB-140-A	14.0mL Glass test tube, 3.3 high borosilicate, 16*125mm			25pcs/box, 24boxes/case
BS-GT-HB-200-A	20.0mL Glass test tube, 3.3 high borosilicate, 16*150mm	25pcs/box, 40boxes/case		
BS-GT-HB-250-A	25.0mL Glass test tube, 3.3 high borosilicate, 18*150mm	25pcs/box, 12boxes/case		
BS-GT-HB-340-A	34.0mL Glass test tube, 3.3 high borosilicate, 20*150mm	25pcs/box, 24boxes/case		
BS-GT-HB-440-A	44.0mL Glass test tube, 3.3 high borosilicate, 20*200mm	25pcs/box, 24boxes/case		

K-02



## Serological tube

- Neutral borosilicate, uniform in thickness
- High chemical resistance
- Round bottom and flat bottom are available
- Smooth tube with screw top, tubes and caps are in separate packs
- Non-sterile, autoclavable



### Ordering information

Cat.No.	Description	Bottom	Cap Material	Packaging
BS-GT-FNB-100	10.0mL Serological tube	Flat	bakelite	25pcs/box, 40boxes/case
BS-GT-FNP-100	10.0mL Serological tube		polypropylene	25pcs/box, 40boxes/case
BS-GT-RNB-100	10.0mL Serological tube	Round	bakelite	25pcs/box, 40boxes/case
BS-GT-RNP-100	10.0mL Serological tube		polypropylene	25pcs/box, 40boxes/case

## Capillary

Capillary are used to measure the melting point of various solid substances and store the substances. It usually used with melting point measuring point tubes and thermometer, suitable for melting point determination.



### Ordering information

Cat.No.	Description	Packaging
BS-MP-080	Melting point capillary, 0.9-1.1*80mm	500 pcs/pack
BS-MP-100	Melting point capillary, 0.9-1.1*100mm	500 pcs/pack
BS-MP-120	Melting point capillary, 0.9-1.1*120mm	500 pcs/pack
BS-MP-150	Melting point capillary, 0.9-1.1*150mm	500 pcs/pack
BS-MP-160	Melting point capillary, 0.9-1.1*160mm	500 pcs/pack
BS-MP-180	Melting point capillary, 0.9-1.1*180mm	500 pcs/pack
BS-MP-200	Melting point capillary, 0.9-1.1*200mm	500 pcs/pack
BS-SMP-080	Sealing melting point capillary, 0.9-1.1*80mm	500 pcs/pack
BS-SMP-100	Sealing melting point capillary, 0.9-1.1*100mm	500 pcs/pack
BS-SMP-120	Sealing melting point capillary, 0.9-1.1*120mm	500 pcs/pack
BS-SMP-150	Sealing melting point capillary, 0.9-1.1*150mm	500 pcs/pack
BS-SMP-160	Sealing melting point capillary, 0.9-1.1*160mm	500 pcs/pack
BS-SMP-180	Sealing melting point capillary, 0.9-1.1*180mm	500 pcs/pack
BS-SMP-200	Sealing melting point capillary, 0.9-1.1*200mm	500 pcs/pack
BS-SP-011	Spotting capillary, 0.1*100mm	1000 pcs/pack
BS-SP-031	Spotting capillary, 0.3*100mm	1000 pcs/pack
BS-SP-032	Spotting capillary, 0.3*200mm	1000 pcs/pack
BS-SP-051	Spotting capillary, 0.5*100mm	1000 pcs/pack
BS-SP-052	Spotting capillary, 0.5*200mm	1000 pcs/pack

K-03



## Glass Staining Jar

- Made of borosilicate glass material, clear
- With built-in slots for slide staining free from the use of separate slide racks (BS-05-SJ, BS-09-SJ, BS-10-SJ)
- Designed for slide staining with the aid of related separate slide racks (BS-20-SJ, BS-30-SJ, BS-60-SJ)
- Suitable for routine staining, immunohistochemistry and in situ hybridization
- Reusable



BS-05-SJ



BS-09-SJ



BS-10-SJ



BS-20-SJ



BS-30-SJ



BS-60-SJ

K-04



### Ordering information

Cat.No.	Description	Size (cm)	Packaging
BS-05-SJ	Glass staining jar, for 5 of 25*75mm microscope slides	10.5*6	1pc/box
BS-09-SJ	Glass staining jar, for 9 of 25*75mm microscope slides	6.1*6.5*9.2	1pc/box
BS-10-SJ	Glass staining jar, for 10 of 25*75mm microscope slides	9.4*7.4*4.6	1pc/box
BS-20-SJ	Glass staining racks, suitable for BS-20-SR	10.8*8.9*7.8	1pc/box
BS-30-SJ	Glass staining racks, suitable for BS-30-SR	10.5*9.4*10	1pc/box
BS-60-SJ	Glass staining racks, suitable for BS-60-SR	16.6*9.5*10.2	1pc/box

# General Labware



Assay Microplate, Detachable

Plate Strip

Drosophila Culture

Spray Can & Wash Bottle

Timer

Sharps Container

Autoclave Bag

Laboratory Waste Container & Waste Bag

Laboratory Waste Bag, Autoclavable

Autoclave Indicator Tape

Delicate Task Wiper

Absorbent Ball & Absorbent Cotton

Sealing Film Cutter

Thickened Knife Handle

Urine Tube

Gavage Needle

Biological Sampling Mother-Child Bags

Histology Container

Liquid Sampling Bag

Aluminum Foil

Mortar and Pestle

Scissor & Tweezer & Hemostatic Forcep

Magnetic Stand

Mice Cage

Stainless Autoclave Box

Lab Lift Table

Microscope Slides

Magnetic Stirrer Bar

Ear Tag Pliers & Ear Tag

Marker Pen

Hemagglutination Plate

## Assay Microplate, Detachable

Biosharp 96-Well Assay Microplate can be used in a variety of laboratory assays. Strip tubes are made of polystyrene. The flat bottom strips are designed to easily break apart and are pre-assembled in an “egg-crate” style strip holder that allows each individual well to be positioned back into the microplate once broken.

- Manufactured from polystyrene clear tube and ABS frame
- Standard plate strips have well volumes of 360  $\mu$ L
- Uniform well size
- Suitable for general absorbance detection experiments, such as BCA, Bradford and other experiments
- Without protein coating adsorption ability, cannot be used for Elisa experiment
- Disposable
- Non-sterile
- Individual package



### Ordering information

Cat.No.	Description	Packaging
BS-PS-96WB	96-Well assay microplate, detachable, with 8-well tube	1pc/bag, 50pcs/case
BS-PS-96W	96-Well assay microplate, detachable, with 12-well tube	1pc/bag, 50pcs/case
BS-PS-96WB-100	96-Well assay microplate, detachable, with 8-well tube	1pc/bag, 100bags/case
BS-PS-96W-100	96-Well assay microplate, detachable, with 12-well tube	1pc/bag, 100bags/case
BS-PSH-96	Assay microplate frame	5pcs/bag

L-01



## Plate Strip

- Manufactured from polystyrene material
- Standard plate strips have well volumes of 360  $\mu$ L
- Flat bottom, clear tube
- Non-sterile



### Ordering information

Cat.No.	Description	Packaging
BS-PS-8W	Strip tubes, 8-well	100strips/bag, 20bags/case
BS-PS-12W	Strip tubes, 12-well	100strips/bag, 20bags/case

## Drosophila Culture

Biosharp Drosophila Culture products are ideal containers for breeding and observing drosophila. Drosophila vials and bottles provide multiple options for storing fly cultures, easy to use. Drosophila plugs offer minimal shedding and evaporation.

### Drosophila Vials

Drosophila Vials provide multiple options for storing fly cultures. Manufactured from high-quality polypropylene or polystyrene material. The flat bottom, straight wall design allows for convenient racking, stacking, and filling. Disposable vials are a safe and cost-sav-

- High-quality PS and PP material drosophila vials are available
- Flat bottom design
- Convenient racking, stacking, and filling
- Safe and cost-saving alternative to glass vials



### Ordering information

Cat.No.	Description	Packaging
BC021	Drosophila vials, PP material	100pcs/bag, 8bags/case
BC022	Drosophila vials, PS material	100pcs/bag, 8bags/case
BC021-R	Drosophila vials, PP material, rack pack	100pcs/rack, 5racks/case
BC022-R	Drosophila vials, PS material, rack pack	100pcs/rack, 5racks/case

### Drosophila Bottle

Biosharp Drosophila Bottles are precision molded from premium grade polypropylene. Molded graduations in 25 mL increments, up 100 mL. Transparent square-bottom and firm, stiff neck design allows for easier handling.

- Made of high-quality polypropylene materials
- Designed to accept a variety of closures
- Square base makes bottle very stable
- Thin-walled design for excellent visibility



### Ordering information

Cat.No.	Description	Packaging
BC023	Drosophila bottles, polypropylene	1pc/unit, 500units/case
BC023-R	Drosophila bottles, polypropylene, rack pack	16pcs/rack



## Drosophila Plug

Biosharp Standard Drosophila Plugs and high-density drosophila plugs are minimal shedding as well as reduced evaporation. Superior barrier to mite infestation. Stretched yet maintains tight fit after repeated removal and closing.

- Drosophila plugs can reduce evaporation
- Plugs ensure adequate ventilation
- Excellent barrier to mites
- Minimal shedding of drosophila plugs
- Superior barrier to mite infestation
- Reusable



BC024-1



BC024-2



BC025-1



BC025-2

### Ordering information

Cat.No.	Description	Packaging
BC024-1	Drosophila plugs, for vials, high-density	100pcs/bag, 20bags/case
BC024-2	Drosophila plugs, for vials, standard	100pcs/bag, 20bags/case
BC025-1	Drosophila plugs, for bottles, high-density	100pcs/bag, 5bags/case
BC025-2	Drosophila plugs, for bottles, standard	100pcs/bag, 5bags/case

L-03



## Liquid Sampling Bag

- Used for the collection, storage, and transportation of liquid samples
- Polyethylene material
- Round-bottom, self-standing
- With thread lid, lower the contamination
- Irradiation sterilization
- Three volumes: 250mL, 500mL, 1000mL



### Ordering information

Cat.No.	Description	Size (mm)	Packaging
BS-SAM-0250	250mL liquid sampling bag, sterile	135*195mm	10pcs/bag
BS-SAM-0250S	250mL liquid sampling bag, sterile, with sodium thiosulphate		10pcs/bag
BS-SAM-0500	500mL liquid sampling bag, sterile	157*225mm	10pcs/bag
BS-SAM-0500S	500mL liquid sampling bag, sterile, with sodium thiosulphate		10pcs/bag
BS-SAM-1000	1000mL liquid sampling bag, sterile	180*280mm	10pcs/bag
BS-SAM-1000S	1000mL liquid sampling bag, sterile, with sodium thiosulphate		10pcs/bag

## Spray Can & Wash Bottle

Biosharp Spray Can & Wash Bottles ensure leak-proof dispensing of common solvents, and are a great value. The liquid is forced out as a fine spray when press the spray can button. The wash bottles are convenient as a simple 'fill and go' option. Easy-to-use low-density polyethylene wash bottles are break-resistant. Excellent pliability allows comfortable squeeze flow control. Dispense a single drop or a needle sharp stream. If a coarser flow is desired, dispensing tip can be trimmed.

### Spray Can

- Small container in which a liquid such as alcohol is kept under pressure
- Nozzle is made of polypropylene (PP) material
- Durable, flexible and easy to clean
- Comfortable handle
- With water level indication



#### Ordering information

Cat.No.	Description	Packaging
BS-PH-002	Spray can, blue, 500mL	1pc/unit, 30units/case



L-04



### Wash Bottle

- Made of low-density polyethylene
- Three volumes available: 250mL, 500mL, 1000mL
- Wash bottle dispensing tip can be trimmed
- Good chemical resistance such as acid and alkali

#### Ordering information

Cat.No.	Description	Packaging
BS-HC-005	250mL Wash bottle, low-density polyethylene	1pc/unit
BS-HC-006	500mL Wash bottle, low-density polyethylene	1pc/unit
BS-HC-007	1000mL Wash bottle, low-density polyethylene	1pc/unit



## Timer

- ABS material
- Large LCD screen
- Single-channel display
- Wide ranges of time setting: 1s~99min59s
- Supplied with wall mount clip, bench stand, magnetic back
- Count down for lab, darkroom, kitchen & more



### Ordering information

Cat.No.	Description	Packaging
BS-QT-033	Single-channel timer	1pc/unit, 100units/case

## Sharps Container

Biosharp sharps containers are used to place all kinds of small laboratory consumables, like tips, tubes and other discarded plastics. The lid can be completely sealed to prevent the contamination of waste.

- Polypropylene material
- Crafted without any sharp burrs
- Sturdy & durable, not easy to crack
- Easy cleaning



### Ordering information

Cat.No.	Description	Packaging
BS-SC-2L	Sharps container, 2L	13.5*15cm
BS-SC-3L	Sharps container, 3L	16.2*17.1cm

## Autoclave Bag

Biosharp autoclave bags can use for high temperature sterilization of labware, also for high-temperature sampling.

- Polypropylene material, withstand a high temperature of 121 degrees Celsius
- With sealing strip, leak-proof
- Multiple size: 20\*22cm, 20\*32cm, 30\*40cm, 45\*55cm

### Ordering information

Cat.No.	Description	Packaging
BS-ACC-2022	Autoclave bag, with sealing strip, 20*22cm	100pcs/bag, 20bags/case
BS-ACC-2031	Autoclave bag, with sealing strip, 20*32cm	100pcs/bag, 14bags/case
BS-ACC-3040	Autoclave bag, with sealing strip, 30*40cm	50pcs/bag, 15bags/case
BS-ACC-4555	Autoclave bag, with sealing strip, 45*55cm	50pcs/bag, 10bags/case



L-05



## Laboratory Waste Container & Waste Bag

Biosharp's stylish laboratory waste container and bags is used for all kinds of laboratory wastes collection and storage, facilitating centralized treatment.

- High-quality PP material of waste container, strong toughness
- Good sealing rim to confine odors
- The foot-coupled rod is thickened for long service life
- High-quality LDPE material of waste bag, withstand pulling forces



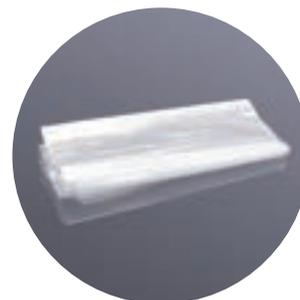
### Ordering information

Cat.No.	Description	Packaging
BC-LWB-040	Laboratory waste container, 40L	40L/pc, 5pcs/case
BC-LWP-040	Laboratory waste bag, 60*70cm	50pcs/bag, 10bags/case

## Laboratory Waste Bag, Autoclavable

Autoclavable laboratory waste bags of Biosharp are manufactured by polypropylene, mainly used for contaminated waste disposal in laboratory.

- Material: polypropylene (PP), high temperature-resistant (~132 degrees Celsius)
- 3 types of color & size are available: clear, red and yellow; 31\*66cm, 41.5\*60cm, 61\*81cm
- Printed version comes with biohazard label and writing area



Standard

### Ordering information

Cat.No.	Size	Color	Style	Package
BS-LWP-ACC-01C	31*66cm	Clear	Standard	50pcs/bag, 4bags/case
BS-LWP-ACC-02C	41.5*60cm			50pcs/bag, 4bags/case
BS-LWP-ACC-03C	61*81cm			50pcs/bag, 4bags/case
BS-LWP-ACP-01C	31*66cm		Printed	50pcs/bag, 4bags/case
BS-LWP-ACP-02C	41.5*60cm			50pcs/bag, 4bags/case
BS-LWP-ACP-03C	61*81cm			50pcs/bag, 4bags/case
BS-LWP-ACP-01R	31*66cm	Red	Printed	50pcs/bag, 4bags/case
BS-LWP-ACP-02R	41.5*60cm			50pcs/bag, 4bags/case
BS-LWP-ACP-03R	61*81cm			50pcs/bag, 4bags/case
BS-LWP-ACP-01Y	31*66cm	Yellow	Printed	50pcs/bag, 4bags/case
BS-LWP-ACP-02Y	41.5*60cm			50pcs/bag, 4bags/case
BS-LWP-ACP-03Y	61*81cm			50pcs/bag, 4bags/case



Printed



L-06



## Autoclave Indicator Tape

Biosharp autoclave indicator tape has an indication function during high temperature & pressure steam sterilization. Tear off an appropriate length of the indicator tape, firmly press onto the surface of items need to be sterilized to ensure good adhesion. Place the items with the attached indicator tape into the steam sterilizer. After the sterilization cycle is completed, check if the color of stripes on tape change from light yellow to black, if does, indicates that items have been exposed to the sterilizing conditions.



### Ordering information

Cat.No.	Description	Packaging
BS-QT-028	Autoclave Indicator Tape, 19mm*50m	1roll/unit, 20units/case
BS-QT-057	Autoclave Indicator Tape, 12.5mm*50m	1roll/unit, 20units/case

## Delicate Task Wiper

- 100% virgin wood pulp, pure texture, highly absorbent
- Ultra-low dust, fine paper and no easily damage
- Provide efficient cleaning, minimizing the generation and spread of dust particles
- Size: 19.5\*10.5cm



### Ordering information

Cat.No.	Description	Packaging
BS-QT-046	Delicate task wipers	280pcs/box, 60boxes/case

L-07



## Absorbent Ball & Absorbent Cotton

- Delicately degrease, bleached, dried and processed
- Cotton balls are plump with soft texture, cotton rolls can be tailored to different uses and needs
- Excellent liquid absorption capacity
- Used with alcohol for surface disinfection



### Ordering information

Cat.No.	Description	Packaging
BS-QT-034B	Absorbent ball	500g/bag, 10bags/case
BS-QT-030	Absorbent cotton	500g/roll, 20rolls/case

## Sealing Film Cutter

- For the storage and cutting of sealing film
- Material: Polymethyl Methacrylate (PMMA)
- Easy to use, convenient
- Dimension: 138\*138\*119mm



### Ordering information

Cat.No.	Description	Packaging
BS-QT-029	Sealing film cutter, 138*138*119mm	1pc

## Thickened Knife Handle

Used for cutting soft tissues in small animal experiments or cutting gels of nucleic acid&protein, after installed the blade properly.

- Material: stainless steel
- Color: silver
- Thickened stainless steel, durable and corrosion resistant



### Ordering information

Cat.No.	Description	Packaging
BS-KH-03M	Thickened knife handle, 125mm	1pc/bag
BS-KH-04M	Thickened knife handle, 138mm	1pc/bag

## Urine Tube

Biosharp urine tubes, used to collect and store samples for examination of urinary sediments.

- PS&PP tubes are available
- With sediment bulb
- Graduated, screw cap
- Good sealing property



### Ordering information

Cat.No.	Description	Packaging
BS-UT-1201	12ml urine tube, PS, with screw cap	200pcs/bag
BS-UT-1202	12ml urine tube, PP, with screw cap	200pcs/bag
BS-UT-1203	10ml urine tube, PS, with puncturable coated film paper cap	200pcs/bag
BS-UT-1204	12ml urine tube, PS, plain top without cap	200pcs/bag

L-08



## Gavage Needle

Biosharp gavage needle mainly designed for oral gavage procedures in mice or rats. The round, drip-shaped needle head to prevent scratching. Depending on the weights of mice or rats, there are multiple specifications to choose from.

- Made of stainless steel, autoclavable
- Straight/curved needle head
- Sturdy and durable, with smooth surface
- Easy to clean, rust-proof
- Suitable for the experiment of drug dosing in rats and mice



### Ordering information

Cat.No.	Description	Recommended for	Packaging
BS-GN-S08-045	Gavage needle, straight, 45mm	Mice	1pc/bag
BS-GN-C08-045	Gavage needle, curved, 45mm		1pc/bag
BS-GN-S12-055	Gavage needle, straight, 55mm		1pc/bag
BS-GN-C12-055	Gavage needle, curved, 55mm		1pc/bag
BS-GN-S12-065	Gavage needle, straight, 65mm		1pc/bag
BS-GN-C12-065	Gavage needle, curved, 65mm		1pc/bag
BS-GN-S16-080	Gavage needle, straight, 80mm	Rats	1pc/bag
BS-GN-C16-080	Gavage needle, curved, 80mm		1pc/bag
BS-GN-S18-085	Gavage needle, straight, 85mm		1pc/bag
BS-GN-C18-085	Gavage needle, curved, 85mm		1pc/bag
BS-GN-S20-090	Gavage needle, straight, 90mm		1pc/bag
BS-GN-C20-090	Gavage needle, curved, 90mm		1pc/bag

L-09



## Biological Sampling Mother-Child Bags

Biosharp's biological sampling mother-child bags are made of high-quality LDPE. With a double-layer design, they are suitable for sample storage and have the corresponding label information attached at the same time. Used for the collection, storage, and transportation of liquid and solid samples.

- Size of mother bag: 150x170mm / 150x230mm. Child bag: 150\*205mm
- Double-layer design, samples and labels separately stored
- Clear, 2 types available: blank/printed with Biohazard symbol
- With sealing strips



### Ordering information

Cat.No.	Description	Packaging
BS-SAM-CN00-1517	Biological sampling mother-child bags, clear, 15*17cm	100pcs/bag, 10bags/case
BS-SAM-CN00-1523	Biological sampling mother-child bags, clear, 15*23cm	100pcs/bag, 10bags/case
BS-SAM-CY00-1517	Biological sampling mother-child bags, clear, printed, 15*17cm	100pcs/bag, 10bags/case
BS-SAM-CY00-1523	Biological sampling mother-child bags, clear, printed, 15*23cm	100pcs/bag, 10bags/case

## Histology Container

- Container material: Polypropylene (PP), Lid material: High-Density Polyethylene (HDPE)
- Designed for liquid sample collection, transportation and storage
- Easy-grip rings are equipped for anti-slip, easy to open & close
- Various capacity specification: 20mL, 40mL, 60mL, 90mL, 120mL, 160mL, 250mL, 500mL, 1000mL
- With clear scales
- Non-sterile



### Ordering information

Cat.No.	Description	Size (mm)	Packaging
BS-PPHC-20	20mL Histology container, PP, non-sterile	Dia.37.5*32.5*H44.3	1000pcs/case
BS-PPHC-40	40mL Histology container, PP, non-sterile	Dia.50.2*45*H42	500pcs/case
BS-PPHC-60	60mL Histology container, PP, non-sterile	Dia.50.2*45*H60	500pcs/case
BS-PPHC-90	90mL Histology container, PP, non-sterile	Dia.50.2*45*H74.8	300pcs/case
BS-PPHC-120	120mL Histology container, PP, non-sterile	Dia.58*53*H79.2	300pcs/case
BS-PPHC-160	160mL Histology container, PP, non-sterile	Dia.58*53*H99.4	200pcs/case
BS-PPHC-250	250mL Histology container, PP, non-sterile	Dia.98.2*89.5*H58.7	154pcs/case
BS-PPHC-500	500mL Histology container, PP, non-sterile	Dia.98.2*89.5*H112	132pcs/case
BS-PPHC-1000	1000mL Histology container, PP, non-sterile	Dia.121.4*112.1*H140	64pcs/case

## Sample Container

- Transparent PP material, assembled with a white screw-threaded cap
- Excellent temperature and chemical resistance
- Leak-proof, with good sealing performance
- Non-sterile, non-enzymatic



### Ordering information

Cat.No.	Description	Size (mm)	Packaging
BS-PPB-25	25ml Sample container, white cap	Dia.33.2*26.3*H54.4	50pcs/bag, 20bags/case
BS-PPB-50	50ml Sample container, white cap	Dia.40*34*H70	50pcs/bag, 12bags/case
BS-PPB-80	80ml Sample container, white cap	Dia.51*44*H61	50pcs/bag, 10bags/case



## Aluminum Foil

Biosharp Aluminum Foils have good heat conducting properties. Widely used for avoiding light in scientific research experiments. Foil is able to withstand heat and cold, and has the lowest moisture-vapor transfer rate of all wrapping materials. Biosharp aluminum foil provide smooth fit with lab consumable. These aluminum foils can be cut to any length.

- Good heat conducting properties
- Thickening
- Uniform texture
- Widely used for avoiding light in scientific research experiments
- Rolled foil can be cut to any length



### Ordering information

Cat.No.	Description	Packaging
BS-QT-027	Aluminum foil, 15um thickness, 300mm*20m	1roll/unit, 50units/case
BS-QT-027B	Aluminum foil, 15um thickness, 300mm*120m	1roll/unit, 12units/case

## Mortar and Pestle

- Ceramic mortar, Agate mortar, Stainless steel mortar
- For sample grinding
- Supplied in mortar and pestle sets
- Autoclavable



### Ordering information

Cat. No.	Description	Packaging
BS-MART-60	Ceramic mortars and pestles, diameter 60mm	1unit/bag
BS-MART-80	Ceramic mortars and pestles, diameter 80mm	1unit/bag
BS-MART-100	Ceramic mortars and pestles, diameter 100mm	1unit/bag
BS-MART-60A	Ceramic mortars and pestles, diameter 60mm	5units/bag
BS-MART-80A	Ceramic mortars and pestles, diameter 80mm	5units/bag
BS-MART-100A	Ceramic mortars and pestles, diameter 100mm	5units/bag
BS-MARA-40	Agate mortars and pestles, diameter 40mm	1unit/bag
BS-MARA-60	Agate mortars and pestles, diameter 60mm	1unit/bag
BS-MARA-80	Agate mortars and pestles, diameter 80mm	1unit/bag
BS-MARA-100	Agate mortars and pestles, diameter 100mm	1unit/bag
BS-MARS-85A	Stainless steel mortars and pestles, diameter 85mm	1unit/bag
BS-MARS-98A	Stainless steel mortars and pestles, diameter 98mm	1unit/bag



## Scissor & Tweezer & Hemostatic Forcep

- 304/420/302 Stainless steel fabrication
- Used for a variety of applications and are available in different lengths
- Autoclavable
- Corrosion-resistant

### Ordering information

Cat. No.	Description	Material	Package
BS-SOR-S-100B	10cm Scissors, straight	420 stainless steel	1pc/bag
BS-SOR-C-100B	10cm Scissors, curved, economy	420 stainless steel	1pc/bag
BS-SOR-C-100P	10cm Scissors, curved	420 stainless steel	1pc/bag
BS-SOR-S-100P	10cm Scissors, straight	420 stainless steel	1pc/bag
BS-SOR-S-125B	12.5cm Scissors, straight	420 stainless steel	1pc/bag
BS-SOR-C-125B	12.5cm Scissors, curved	420 stainless steel	1pc/bag
BS-SOR-S-140B	14cm Scissors, straight	420 stainless steel	1pc/bag
BS-SOR-C-140B	14cm Scissors, curved	420 stainless steel	1pc/bag
BS-SOR-S-100	10cm Scissors, straight	304 stainless steel	1pc/bag
BS-SOR-C-100	10cm Scissors, curved	304 stainless steel	1pc/bag
BS-SOR-S-125	12.5cm Scissors, straight	304 stainless steel	1pc/bag
BS-SOR-C-125	12.5cm Scissors, curved	304 stainless steel	1pc/bag
BS-SOR-S-140	14cm Scissors, straight	304 stainless steel	1pc/bag
BS-SOR-C-140	14cm Scissors, curved	304 stainless steel	1pc/bag
BS-HF-S-125	12.5cm Hemostatic forceps, straight	304 stainless steel	1pc/bag
BS-HF-C-125	12.5cm Hemostatic forceps, curved	304 stainless steel	1pc/bag
BS-HF-S-140	14cm Hemostatic forceps, straight	304 stainless steel	1pc/bag
BS-HF-C-140	14cm Hemostatic forceps, curved	304 stainless steel	1pc/bag
BS-HF-S-160	16cm Hemostatic forceps, straight	304 stainless steel	1pc/bag
BS-HF-C-160	16cm Hemostatic forceps, curved	304 stainless steel	1pc/bag
BS-ZER-S-100	10cm Tweezers, straight	304 stainless steel	1pc/bag
BS-ZER-C-100	10cm Tweezers, curved	304 stainless steel	1pc/bag
BS-ZER-S-125	12.5cm Tweezers, straight	304 stainless steel	1pc/bag
BS-ZER-C-125	12.5cm Tweezers, curved	304 stainless steel	1pc/bag
BS-ZER-S-160	16cm Tweezers, straight	304 stainless steel	1pc/bag
BS-ZER-C-160	16cm Tweezers, curved	304 stainless steel	1pc/bag
BS-ZER-S-200	20cm Tweezers, straight	304 stainless steel	1pc/bag
BS-ZER-C-200	20cm Tweezers, curved	304 stainless steel	1pc/bag
BS-ZER-A-120	12cm Tweezers, square top	302 stainless steel	1pc/bag
BS-ZER-S-140	14cm Tweezers, straight	304 stainless steel	1pc/bag
BS-ZER-C-140	14cm Tweezers, curved	304 stainless steel	1pc/bag
BS-ZER-S-180	18cm Tweezers, straight	304 stainless steel	1pc/bag
BS-ZER-C-180	18cm Tweezers, curved	304 stainless steel	1pc/bag
BS-ZER-S-250	25cm Tweezers, straight	304 stainless steel	1pc/bag
BS-ZER-C-250	25cm Tweezers, curved	304 stainless steel	1pc/bag
BS-ZER-S-300	30cm Tweezers, straight	304 stainless steel	1pc/bag
BS-ZER-C-300	30cm Tweezers, curved	304 stainless steel	1pc/bag
BS-ZER-S-120-F	12cm Fine tweezers, straight	304 stainless steel	1pc/bag
BS-ZER-C-120-F	12cm Fine tweezers, curved	304 stainless steel	1pc/bag



420 Stainless steel fabrication



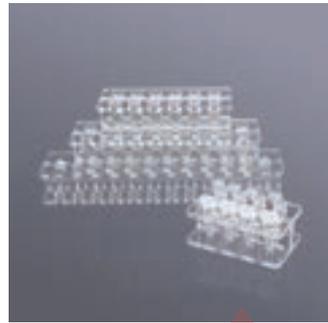
304 Stainless steel fabrication



## Magnetic Stand

Biosharp Magnetic Stand are made of acrylic material. Magnetic stand is designed for the efficient pull down of magnetic beads in centrifuge tubes. The use of magnetic separation devices is essential in any paramagnetic bead-based DNA and RNA purification, protein purification and cell sorting process. The powerful magnet pulls beads to the side of the tube, allowing for the removal of all the liquid supernatant with no contamination with beads.

- Made of acrylic material
- Various specifications are available
- Pulls beads to tube wall to allow removal of all supernatant
- Designed for the efficient pull down of magnetic beads



### Applications

- Pulldowns
- Immunoprecipitations
- Protein purification
- Nucleic Acid Purification
- cell sorting

### Ordering information

Cat.No.	Description	Packaging
BS-MGS-015-08	Magnetic stand, 1.5mL/2mL, 8-well	1pc/unit
BS-MGS-015-12	Magnetic stand, 1.5mL/2mL, 12-well	1pc/unit
BS-MGS-015-18	Magnetic stand, 1.5mL/2mL, 18-well	1pc/unit
BS-MGS-015-24	Magnetic stand, 1.5mL/2mL, 24-well	1pc/unit

L-13



BS-MGS-015-08



BS-MGS-015-12

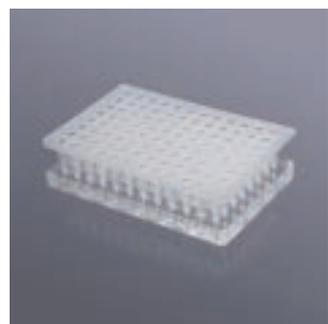


BS-MGS-015-18



BS-MGS-015-24

Cat.No.	Description	Packaging
BS-MGS-050-08	Magnetic stand, 5mL, 8-well	1pc/unit
BS-MGS-050-08-A	Magnetic stand, 8-well, for 5mL conical tubes	1pc/unit
BS-MGS-100-08	Magnetic stand, 10mL, 8-well	1pc/unit
BS-MGS-150-08	Magnetic stand, 15mL, 8-well	1pc/unit
BS-MGS-500-08	Magnetic stand, 50mL, 8-well	1pc/unit
BS-MGS-096	Magnetic stand, for 96-well microplate	1pc/unit
BS-MGS-096H	Magnetic stand, for 96-well microplate, high-position	1pc/unit



BS-MGS-050-08



BS-MGS-100-08



BS-MGS-150-08



BS-MGS-500-08

## Mice Cage

- Polypropylene cage, stainless steel cover and water bottle
- Excellent stackability
- Easy of handling and storage
- Reusable

Cat. No.	Description	Packaging
BS-LCP-M1	Laboratory Mice cage, 290*178*160mm	1unit/box
BS-LCP-JM1	Laboratory Mice cage, 330*215*160mm	1unit/box
BS-LCP-M3	Laboratory Mice cage, 318*202*135mm	1unit/box
BS-LCP-PP5	Laboratory Mice cage, 295*190*125mm	1unit/box
BS-LCP-SS3	Laboratory Mice cage, 480*350*210mm	1unit/box
BS-LCP-SS4	Laboratory Mice cage, 480*350*200mm	1unit/box
BS-LCP-H5	Laboratory Mice cage, 545*395*200mm	1unit/box
BS-LCP-M4	Laboratory Mice cage, 460*315*200mm	1unit/box
BS-LCP-CP4	Laboratory Mice cage, 460*315*200mm	1unit/box
BS-LCP-CP3	Laboratory Mice cage, 318*202*135mm	1unit/box



BS-LCP-SS3



BS-LCP-CP3



BS-LCP-H5



BS-LCP-M4



BS-LCP-CP3



BS-LCP-SS4

## Stainless Autoclave Box

- 304 stainless steel material
- Size: 800mL, 1400mL, 1800mL
- Suitable for holding consumables for sterilization
- Easy to use

Cat. No.	Description	Packaging
BS-SAB-800	800mL Stainless autoclave box	20pcs/case
BS-SAB-B-800	800mL Stainless autoclave box, frosted	20pcs/case
BS-SAB-B-1400	1400mL Stainless autoclave box, frosted	20pcs/case
BS-SAB-B-1800	1800mL Stainless autoclave box, frosted	18pcs/case



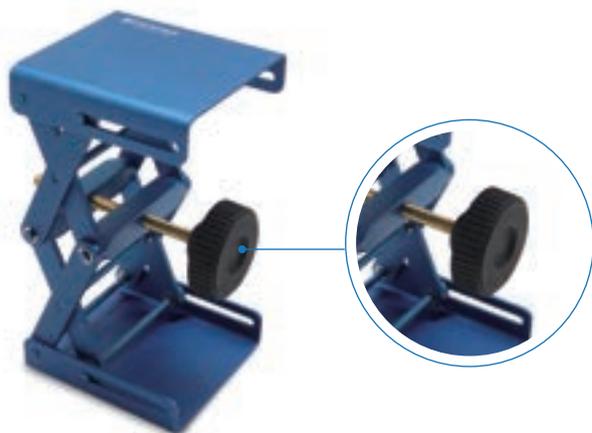
## Lab Lift Table

- Made of aluminum
- Three sizes
- Easy handling and convenient
- Ideal for hold a variety of items including glassware, hot plates and magnetic stirrers
- Exceptional stability and control



### Ordering information

Cat. No.	Description	Package
BS-TABLE-M-A	Lab lift table, blue, maximum height 14cm	1pc/box, 12boxes/case
BS-TABLE-M-B	Lab lift table, red, maximum height 24cm	1pc/box, 8boxes/case
BS-TABLE-M-C	Lab lift table, yellow, maximum height 27cm	1pc/box, 8boxes/case



Color	Size
blue	80mm*76mm
red	120mm*140mm
yellow	150mm*121mm

L-15



## Microscope Slides

Microscope slides are used for observing various samples under a microscope. Biosharp slides are made of high-quality glass with a smooth and flat surface. The dense structure and ultra-clear surface, make it suitable for most microscopic observation experiments.

- Size: 25x75mm
- Thickness: 1.0~1.2mm
- Polished edges can effectively prevent being cut during experiment, greatly reducing the risk
- Three types are available

### Ordering information

Cat.No.	Description	Packaging
BC014	Microscope slides, 25×75mm	50pcs/box, 50boxes/case
BC071	Microscope slides, plain	50pcs/box, 50boxes/case
BC075	Microscope slides, single frosted	50pcs/box, 50boxes/case



## Magnetic Stirrer Bar

- PTFE material
- Ideal for viscous solutions and efficient, high-speed stirring
- Available in three shapes
- Thermal expansion coefficient and friction coefficient of small performance
- Widely used in the experimental solvent stirring process of scientific research institutes
- Durable, inert
- Reusable

### Ordering information

Cat. No.	Description	Package
BS-MSB-A-610	Magnetic stirrer bar, Olive Shape, 6*10mm	1pc/bag
BS-MSB-A-715	Magnetic stirrer bar, Olive Shape, 7*15mm	1pc/bag
BS-MSB-A-820	Magnetic stirrer bar, Olive Shape, 8*20mm	1pc/bag
BS-MSB-A-925	Magnetic stirrer bar, Olive Shape, 9*25mm	1pc/bag
BS-MSB-A-1030	Magnetic stirrer bar, Olive Shape, 10*30mm	1pc/bag
BS-MSB-B-510	Magnetic stirrer bar, polygon shape, 5*10mm	1pc/bag
BS-MSB-B-515	Magnetic stirrer bar, polygon shape, 5*15mm	1pc/bag
BS-MSB-B-615	Magnetic stirrer bar, polygon shape, 6*15mm	1pc/bag
BS-MSB-B-725	Magnetic stirrer bar, polygon shape, 7*25mm	1pc/bag
BS-MSB-B-730	Magnetic stirrer bar, polygon shape, 7*30mm	1pc/bag
BS-MSB-B-830	Magnetic stirrer bar, polygon shape, 8*30mm	1pc/bag
BS-MSB-B-835	Magnetic stirrer bar, polygon shape, 8*35mm	1pc/bag
BS-MSB-B-840	Magnetic stirrer bar, polygon shape, 8*40mm	1pc/bag
BS-MSB-B-845	Magnetic stirrer bar, polygon shape, 8*45mm	1pc/bag
BS-MSB-B-850	Magnetic stirrer bar, polygon shape, 8*50mm	1pc/bag
BS-MSB-C-610	Magnetic stirrer bar, cylindrical shape, 6*10mm	1pc/bag
BS-MSB-C-615	Magnetic stirrer bar, cylindrical shape, 6*15mm	1pc/bag
BS-MSB-C-620	Magnetic stirrer bar, cylindrical shape, 6*20mm	1pc/bag
BS-MSB-C-625	Magnetic stirrer bar, cylindrical shape, 6*25mm	1pc/bag
BS-MSB-C-630	Magnetic stirrer bar, cylindrical shape, 6*30mm	1pc/bag
BS-MSB-C-725	Magnetic stirrer bar, cylindrical shape, 7*25mm	1pc/bag
BS-MSB-C-815	Magnetic stirrer bar, cylindrical shape, 8*15mm	1pc/bag
BS-MSB-C-825	Magnetic stirrer bar, cylindrical shape, 8*25mm	1pc/bag
BS-MSB-C-830	Magnetic stirrer bar, cylindrical shape, 8*30mm	1pc/bag
BS-MSB-C-835	Magnetic stirrer bar, cylindrical shape, 8*35mm	1pc/bag
BS-MSB-C-840	Magnetic stirrer bar, cylindrical shape, 8*40mm	1pc/bag
BS-MSB-C-845	Magnetic stirrer bar, cylindrical shape, 8*45mm	1pc/bag
BS-MSB-C-850	Magnetic stirrer bar, cylindrical shape, 8*50mm	1pc/bag
BS-MSBR-7300	Magnetic stir bar retriever, 7*300mm	1pc/bag
BS-MSBR-7250	Magnetic stir bar retriever, 7*250mm	1pc/bag



## Ear Tag Pliers & Ear Tag

- Materials: Stainless steel
- Autoclavable
- Smooth surface, durable



### Ordering information

Cat.No.	Description	Packaging
BS-ETP-01	Ear tag pliers, 145mm	1pc/box
BS-ET-01	Ear tag, 8mm	100pcs/box
BS-ET-02	Ear tag, 8mm, customized	100pcs/box

## Marker Pen

- Available in three colors
- Permanent ink is water- and fade-proof
- Perfect marking pens for small lab samples, slides, beakers, sample bags, and more

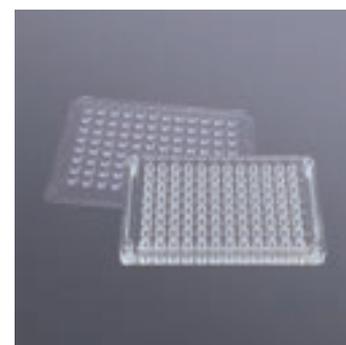


### Ordering information

Cat.No.	Description	Packaging
BC101	Marker pen, black	12pcs/box, 30boxes/case
BC102	Marker pen, blue	12pcs/box, 30boxes/case
BC103	Marker pen, red	12pcs/box, 30boxes/case
BC104	Marker pen, black, 75% alcohol resistant	12pcs/box

## Hemagglutination Plate

- Polyvinyl chloride material
- Size: 13\*9\*1cm
- Three shapes: V-bottom, 90°; V-bottom, 110°; U-bottom



### Ordering information

Cat.No.	Description	Packaging
BS-DBP-96-V	Disposable hemagglutination plate, V-bottom, 90°	10pcs/bag, 200bags/case
BS-DBP-96-VP	Disposable hemagglutination plate, V-bottom, 110°	10pcs/bag, 200bags/case
BS-DBP-96-U	Disposable hemagglutination plate, U-bottom	10pcs/bag, 200bags/case
BS-ABP-96-U	Hemagglutination plate, U-bottom, acrylic	1pc/bag
BS-ABP-96-V	Hemagglutination plate, V-bottom, 90°, acrylic	1pc/bag
BS-ABP-96-VP	Hemagglutination plate, V-bottom, 110°, acrylic	1pc/bag

L-17



# Physical and Chemical Analysis



Ear Washing Ball  
Pipette Bulb  
Rubber Head Dropper  
Iron Support Stand  
Iron Tripod  
Asbestos Gauze  
Weighing Paper  
Weighing Boat  
Measuring cup  
Medicine spoon  
pH Indicator paper  
Triangle flask plug  
Solid PTFE Standard Plug  
White rubber test tube plug  
Sponge silicone tube plug

Burning Spoon  
Test Tube Holder  
Brush  
Water Stop Clamp  
Crucible tongs  
Iron ring set  
Clamp  
Titration Clamp  
Aluminum Test Tube Holder  
Joint Clamp  
Plastic Triangle Funnel  
Brinell Funnel  
Rubber Funnel Holder  
Vacuum Rubber Hose

## Ear Washing Ball

- Materials: rubber
- Mainly used for quantitative extraction of liquid through the suction tube
- Widely used in keyboard dust removal, plant dust removal, environmental analysis and detection, optical lens, digital camera, mechanical watch movement etc



### Ordering information

Cat.No.	Description	Packaging
BS-EWB-30	Ear washing ball 30mL	5pcs/bag
BS-EWB-60	Ear washing ball 60mL	5pcs/bag
BS-EWB-90	Ear washing ball 90mL	5pcs/bag

## Pipette Bulb

- Material: silicone, rubber
- Color: white, blue
- Strong suction force, excellent resilience; It's not sticky during use and will not fade
- Normally used with a glass dropper for the suction and transfer of liquids, it is widely applied in laboratories, chemical detection, teaching, etc.



### Ordering information

Cat.No.	Description	Packaging
BS-PBG-02-W	Pipette bulb, silicone, white, use with 2ml glass dropper	50pcs/bag
BS-PBR-14-B	Pipette bulb, rubber, blue, use with 14ml glass dropper	50pcs/bag

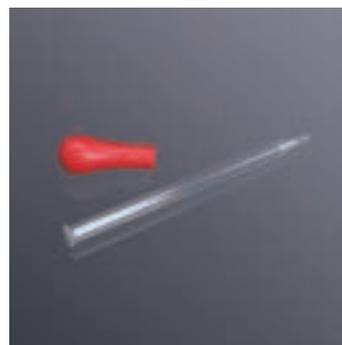
M-01



## Rubber Head Dropper

Rubber head dropper is composed of a rubber cap and a glass tube, mainly used for sucking or dripping a small amount of liquid samples in the laboratory.

- Slender tube opening, convenient for suction
- Extended rubber cap, stronger suction force
- Surface is smooth, resistant to acids, alkalis and corrosion



### Ordering information

Cat.No.	Description	Packaging
BS-GHD-80	Rubber head dropper, 80mm	10pcs/bag
BS-GHD-90	Rubber head dropper, 90mm	10pcs/bag
BS-GHD-100	Rubber head dropper, 100mm	10pcs/bag
BS-GHD-120	Rubber head dropper, 120mm	10pcs/bag
BS-GHD-150	Rubber head dropper, 150mm	10pcs/bag
BS-GHD-180	Rubber head dropper, 180mm	10pcs/bag
BS-GHD-200	Rubber head dropper, 200mm	10pcs/bag

## Iron Support Stand

Iron Support Stand is generally used in experimental operations such as filtration, heating and titration. It is widely used in physics and chemistry experiments.

- Firm and stable, sturdy and durable
- Resistant to acids, alkalis and corrosion
- Used in conjunction with fixed clamps



### Ordering information

Cat.No.	Description	Packaging
BS-IS-01	Iron support stand	1set/unit

## Iron Tripod

- Material: Iron
- High temperature resistance
- Acid and alkali resistance
- Corrosion resistance
- Suitable for alcohol lamp heating beaker and other glass instruments



### Ordering information

Cat.No.	Description	Packaging
BS-IT-01	Iron tripod	5pcs/box

M-02



## Asbestos Gauze

- Material: Asbestos
- High temperature resistance
- Corrosion resistance
- It can be used together with the alcohol lamp and the iron tripod



### Ordering information

Cat.No.	Description	Packaging
BS-AG-125	Asbestos gauze, 125*125mm	10pcs/bag
BS-AG-150	Asbestos gauze, 150*150mm	10pcs/bag
BS-AG-200	Asbestos gauze, 200*200mm	10pcs/bag
BS-AG-250	Asbestos gauze, 250*250mm	10pcs/bag

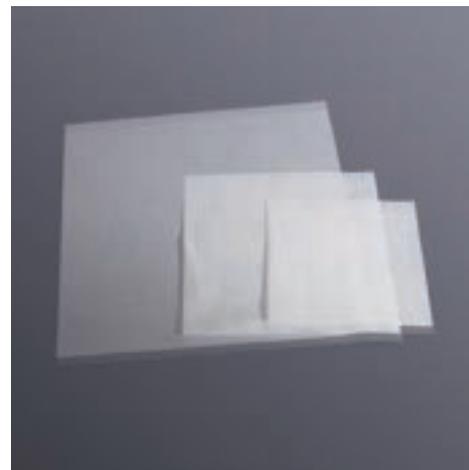
# Physical and Chemical Analysis

## Weighing Paper

Biosharp Weighing Paper is designed for analytical weighing with minimal influence on analytical results for weighing and transporting sample.

These weighing paper are with very smooth surface and good sample recovery. Each weighing paper is strong enough to support dense materials, making them perfect for the laboratory or classroom.

- Three dimentions are available
- Clean and dust-free
- Suitable for weighing various powder reagents
- Smooth surface



### Ordering information

Cat.No.	Description	Packaging
BS-WP-75	Weighing paper, 75*75mm	500 sheets/box
BS-WP-100	Weighing paper, 100*100mm	500 sheets/box
BS-WP-150	Weighing paper, 150*150mm	500 sheets/box



M-03



**biosharp**  
Life sciences

## Weighing Boat

- Designed in multiple sizes and shapes, meet different usage requirements.
- Two colors are available: white, black
- High-impact polystyrene (HIPS) material make it ideal for handling solids and liquids
- Anti-static surface minimizes the loss of samples
- The ingenious rounded-corner design makes it convenient to pour out or scoop up completely
- Non-sterile



### Ordering information

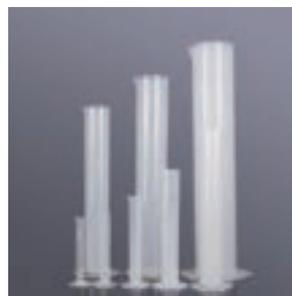
Cat.No.	Description	Size (mm)	Color	Shape	Packaging
BS-CLP-7WF	Weighing Boat, antistatic, 7mL	44*44mm	White	Square	250pcs/bag, 4bags/box, 25boxes/case
BS-CLP-100WF	Weighing Boat, antistatic, 100mL	80*80mm			250pcs/bag, 4bags/box, 10boxes/case
BS-CLP-250WF	Weighing Boat, antistatic, 250mL	140*140mm			250pcs/bag, 4bags/box, 4boxes/case
BS-CLP-5WL	Weighing Boat, antistatic, 5mL	55*35mm		Diamond	250pcs/bag, 4bags/box, 30boxes/case
BS-CLP-30WL	Weighing Boat, antistatic, 30mL	85*65mm			250pcs/bag, 2bags/box, 10boxes/case
BS-CLP-100WL	Weighing Boat, antistatic, 100mL	125*100mm			125pcs/bag, 2bags/box, 6boxes/case
BS-CLP-7BF	Weighing Boat, antistatic, 7mL	44*44mm	Black	Square	250pcs/bag, 4bags/box, 25boxes/case
BS-CLP-100BF	Weighing Boat, antistatic, 100mL	80*80mm			250pcs/bag, 4bags/box, 10boxes/case
BS-CLP-250BF	Weighing Boat, antistatic, 250mL	140*140mm			250pcs/bag, 4bags/box, 4boxes/case
BS-CLP-5BL	Weighing Boat, antistatic, 5mL	55*35mm		Diamond	250pcs/bag, 4bags/box, 30boxes/case
BS-CLP-30BL	Weighing Boat, antistatic, 30mL	85*65mm			250pcs/bag, 2bags/box, 10boxes/case
BS-CLP-100BL	Weighing Boat, antistatic, 100mL	125*100mm			125pcs/bag, 2bags/box, 6boxes/case
BS-CLP-15WC	Weighing Boat, antistatic, 15mL	53*38*13mm	White	Boat-Shaped	250pcs/bag, 4bags/box, 20boxes/case
BS-CLP-25WC	Weighing Boat, antistatic, 25mL	68*50*16mm			250pcs/bag, 2bags/box, 10boxes/case
BS-CLP-120WC	Weighing Boat, antistatic, 120mL	133*85*26mm			125pcs/bag, 2bags/box, 6boxes/case
BS-CLP-15BC	Weighing Boat, antistatic, 15mL	53*38*13mm	Black		250pcs/bag, 4bags/box, 20boxes/case
BS-CLP-25BC	Weighing Boat, antistatic, 25mL	68*50*16mm			250pcs/bag, 2bags/box, 10boxes/case
BS-CLP-120BC	Weighing Boat, antistatic, 120mL	133*85*26mm			125pcs/bag, 2bags/box, 6boxes/case

M-04



## Measuring Cylinder & Cup

- Polypropylene material
- Standard scale
- Chemically resistant
- Easy to use



### Ordering information

Cat.No.	Description	Packaging
BS-HC-017	250mL Measuring cup	250mL
BS-HC-018	500mL Measuring cup	500mL
BS-HC-019	1000mL Measuring cup	1000mL
BS-HC-025	500mL Measuring cylinder	500mL
BS-HC-027	2000mL Measuring cylinder	2000mL
BS-HC-028	250mL Measuring cup	250mL
BS-HC-029	500mL Measuring cup	500mL

## Medicine Spoon

- 201 Stainless Steel material
- Clear contour, thickened spoon head
- Designed for withdrawing small quantities of samples
- Used for powder and solid particles



### Ordering information

Cat.No.	Description	Packaging
BS-MSD-160	160mm Double-headed medicine spoon	10pcs/bag
BS-MSD-180	180mm Double-headed medicine spoon	10pcs/bag
BS-MSD-200	200mm Double-headed medicine spoon	10pcs/bag
BS-MSD-220	220mm Double-headed medicine spoon	10pcs/bag
BS-MSS-160	160mm Single end medicine spoon	10pcs/bag
BS-MSS-180	180mm Single end medicine spoon	10pcs/bag
BS-MSS-200	200mm Single end medicine spoon	10pcs/bag
BS-MSS-220	220mm Single end medicine spoon	10pcs/bag
BS-MSS-260	260mm Single end medicine spoon	10pcs/bag
BS-MST-200	200mm Square medicine spoon	10pcs/bag
BS-MST-300	300mm Square medicine spoon	10pcs/bag

M-05



## pH Indicator Paper

pH Indicator paper are used to test for alkaline or acidity of a solution or substance. pH papers are sold as strips. These strips of paper change color when they come in contact with the material or solution being tested.



### Ordering information

Cat.No.	Description	Packaging
BS-IP-G14	pH Indicator paper, pH 1-14	80strips/pc, 5pcs/bag
BS-IP-S50	pH Indicator paper, pH 0.5-5.0	80strips/pc, 5pcs/bag
BS-IP-S54	pH Indicator paper, pH3.8-5.4	80strips/pc, 5pcs/bag
BS-IP-S70	pH Indicator paper, pH5.4-7.0	80strips/pc, 5pcs/bag
BS-IP-S80	pH Indicator paper, pH6.4-8.0	80strips/pc, 5pcs/bag
BS-IP-S90	pH Indicator paper, pH5.5-9.0	80strips/pc, 5pcs/bag

## Triangle Flask Plug

- Materials: silicone foaming
- Color: white
- Used for various of triangle flasks



### Ordering information

Cat.No.	Description	Packaging
BS-TFP-31	Triangle flask plug, 25*21mm	10pcs/bag
BS-TFP-32	Triangle flask plug, 28*24mm	10pcs/bag
BS-TFP-33	Triangle flask plug, 31*27mm	10pcs/bag
BS-TFP-34	Triangle flask plug, 34*30mm	10pcs/bag
BS-TFP-35	Triangle flask plug, 38*33mm	10pcs/bag
BS-TFP-36	Triangle flask plug, 41*37mm	10pcs/bag
BS-TFP-37	Triangle flask plug, 45*40mm	10pcs/bag

M-06



## Solid PTFE Standard Plug

Biosharp solid PTFE standard plug is suitable for the sealing process of volatile gases or organic reagents in laboratories.

- With a smooth surface, resistant to high temperatures, corrosion, pressure and impact
- Solid, wear-resistant, sturdy and durable



### Ordering information

Cat.No.	Description	Packaging
BS-TSSP-10	#10 Solid PTFE standard plug	1pc/bag
BS-TSSP-12	#12 Solid PTFE standard plug	1pc/bag
BS-TSSP-14	#14 Solid PTFE standard plug	1pc/bag
BS-TSSP-19	#19 Solid PTFE standard plug	1pc/bag
BS-TSSP-24	#24 Solid PTFE standard plug	1pc/bag
BS-TSSP-29	#29 Solid PTFE standard plug	1pc/bag

## White Rubber Test Tube Plug

- Materials: rubber
- Color: white
- Used for various of test tubes



### Ordering information

Cat.No.	Description	Packaging
BS-TTP-01	White rubber test tube plug, 13*8*17mm	20pcs/bag
BS-TTP-02	White rubber test tube plug, 15*11*21mm	20pcs/bag
BS-TTP-03	White rubber test tube plug, 17*13*24mm	20pcs/bag
BS-TTP-04	White rubber test tube plug, 19*14*26mm	20pcs/bag
BS-TTP-05	White rubber test tube plug, 20*15*26mm	20pcs/bag
BS-TTP-06	White rubber test tube plug, 23*17*26mm	20pcs/bag
BS-TTP-07	White rubber test tube plug, 26*19*28mm	20pcs/bag
BS-TTP-08	White rubber test tube plug, 29*22*28mm	20pcs/bag
BS-TTP-09	White rubber test tube plug, 33*25*28mm	20pcs/bag
BS-TTP-10	White rubber test tube plug, 37*28*30mm	20pcs/bag
BS-TTP-11	White rubber test tube plug, 42*32*30mm	20pcs/bag

M-07



## Sponge Silicone Tube Plug

- Materials: sponge silicone
- Color: white
- Used for various of test tubes



### Ordering information

Cat.No.	Description	Size	Packaging
BS-TTP-21	Sponge silicone tube plug , suitable for 10mm test tube	12*8mm	20pcs/bag
BS-TTP-22	Sponge silicone tube plug , suitable for 11mm test tube	13*9mm	20pcs/bag
BS-TTP-23	Sponge silicone tube plug , suitable for 12mm test tube	14*10mm	20pcs/bag
BS-TTP-24	Sponge silicone tube plug , suitable for 13mm test tube	15*11mm	20pcs/bag
BS-TTP-25	Sponge silicone tube plug , suitable for 15mm test tube	17*12mm	20pcs/bag
BS-TTP-26	Sponge silicone tube plug , suitable for 18mm test tube	19*15mm	20pcs/bag
BS-TTP-27	Sponge silicone tube plug , suitable for 20mm test tube	22*17mm	20pcs/bag
BS-TTP-28	Sponge silicone tube plug , suitable for 22mm test tube	25*19mm	20pcs/bag
BS-TTP-29	Sponge silicone tube plug , suitable for 25mm test tube	27*20mm	20pcs/bag

## Burning Spoon

- Material: copper
- Strong wire, sloping camber, strong and durable
- Smooth surface



### Ordering information

Cat.No.	Description	Packaging
BS-RS-01	Burning spoon, 22.5cm*1.8cm	5pcs/bag

## Test Tube Holder

- Mainly used for clamp heating test tubes in laboratory processes
- Two types available: bamboo, stainless steel
- Resistant to acid and alkali corrosion
- Small size, easy to use
- Reusable, solid and long-lasting



### Ordering information

Cat.No.	Description	Material	Packaging
BS-TTH-01	Test tube holder, bamboo	bamboo	10pcs/bag
BS-TTH-02	Stainless steel test tube holder	Stainless steel	5pcs/bag

M-08



## Brush

- Materials: Nylon
- Good scalability and flexibility
- Widely used in experimental process
- Designed for heavy-duty cleaning of beakers, tubes and other glassware



### Ordering information

Cat.No.	Description	Packaging
BS-BB-250	Beaker brush, 250mL	10pcs/bag
BS-BB-500	Beaker brush, 500mL	5pcs/bag
BS-BB-1000	Beaker brush, 1000mL	5pcs/bag
BS-CB-250	Cylinder brush, 250mL	10pcs/bag
BS-CB-500	Cylinder brush, 500mL	5pcs/bag
BS-CB-1000	Cylinder brush, 1000mL	5pcs/bag
BS-TB-01	Tube brush, 185mm	10pcs/bag
BS-TB-02	Tube brush, 220mm	10pcs/bag
BS-TB-03	Tube brush, 270mm	10pcs/bag
BS-TFB-1001	100mL triangle flask brush	5pcs/bag
BS-TFB-2502	250mL triangle flask brush	5pcs/bag
BS-TFB-5003	500mL triangle flask brush	5pcs/bag
BS-TFB-10004	1000mL triangle flask brush	5pcs/bag
BS-VBB-100	100mL volumetric flask brush	5pcs/bag
BS-VBB-250	250mL volumetric flask brush	5pcs/bag
BS-VBB-500	500mL volumetric flask brush	5pcs/bag
BS-VBB-1000	1000mL volumetric flask brush	5pcs/bag
BS-RBB-100	100mL media bottle brush	5pcs/bag
BS-RBB-250	250mL media bottle brush	5pcs/bag
BS-RBB-500	500mL media bottle brush	5pcs/bag
BS-RBB-1000	1000mL media bottle brush	5pcs/bag
BS-RFB-100	100mL round bottomed flask brush	5pcs/bag
BS-RFB-250	250mL round bottomed flask brush	5pcs/bag
BS-RFB-500	500mL round bottomed flask brush	5pcs/bag
BS-RFB-1000	1000mL round bottomed flask brush	5pcs/bag
BS-PDB-60	Petri dish brush, Dia.60mm	5pcs/bag
BS-PDB-90	Petri dish brush, Dia.90mm	5pcs/bag
BS-PDB-120	Petri dish brush, Dia.120mm	5pcs/bag
BS-TPS-01	Balance brush	5pcs/bag

M-09



Life sciences  
biosharp®

## Water Stop Clamp

Biosharp water stop clamp securely seals the rubber tube, effectively isolating the two connected devices. This mechanical clamping mechanism enables precise control over reaction initiation and termination by dynamically blocking or restoring fluid flow pathways.



### Ordering information

Cat.No.	Description	Packaging
BS-WSC-01T	Spring water stop clamp	10pcs/bag
BS-WSC-01L	Spiral water stop clamp	10pcs/bag

## Crucible Tongs

- Materials: Iron plating chromium
- Color: silver
- Mainly used for clamping crucible heating or clamping alcohol lamp and other heat sources



### Ordering information

Cat.No.	Description	Packaging
BS-CT-200	Crucible tongs, 200mm	1pc/bag
BS-CT-250	Crucible tongs, 250mm	1pc/bag
BS-CT-300	Crucible tongs, 300mm	1pc/bag
BS-CT-350	Crucible tongs, 350mm	1pc/bag
BS-CT-400	Crucible tongs, 400mm	1pc/bag
BS-CT-450	Crucible tongs, 450mm	1pc/bag
BS-CT-500	Crucible tongs, 500mm	1pc/bag
BS-CT-550	Crucible tongs, 550mm	1pc/bag
BS-CT-600	Crucible tongs, 600mm	1pc/bag

## Iron Ring Set

- Materials: Iron chrome plating
- Color: silver
- Iron ring set are mainly used for placing different types of round-bottoming flasks, asbestos nets, beakers



### Ordering information

Cat.No.	Description	Packaging
BS-IR-01	Iron ring set, size 21*8.5cm,19.6*7cm,17.8*5cm	3pcs/bag



## Clamp

- Galvanizing flask clamp is made of galvanized material, with smooth surface
- The maximum clip distance of the cross clamp is 20mm
- Three claw clamp is mainly used with iron frame, cross clamp
- The maximum clamping distance of the universal clamp is 58mm



BS-FC-021

### Ordering information

Cat.No.	Description	Packaging
BS-FC-011	7mm*183mm Galvanizing flask clamp	1pc/bag
BS-FC-021	25mm*105mm Cross clamp, spray-painted black	1pc/bag
BS-FC-031	8mm*160mm Three claw clamp, medium size	1pc/bag
BS-FC-041	7mm*185mm Universal clamp, medium size	1pc/bag



BS-FC-011



BS-FC-031



BS-FC-041

## Titration Clamp

The titration clamp is used in conjunction with a retort stand to securely hold the burette during titration analysis. It's sturdy and wear-resistant, resistant to deformation, and durable for long-term use.

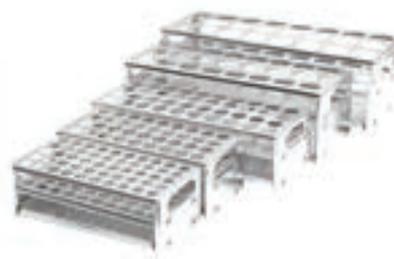


### Ordering information

Cat.No.	Description	Packaging
BS-ATC-01	Aluminium titration clamp	1pc/bag
BS-PTC-01	Plastic titration clamp	1pc/bag

## Aluminum Test Tube Holder

- Smooth surface, light weight, and corrosion resistance
- Sturdy and durable, stable and firm
- Mainly used for placing test tubes with the matching diameter



### Ordering information

Cat.No.	Description	Packaging
BS-ATH-01	Aluminum test tube holder, Dia.12.5mm, 40-well	1pc/unit
BS-ATH-02	Aluminum test tube holder, Dia.15.5mm, 36-well	1pc/unit
BS-ATH-03	Aluminum test tube holder, Dia.18.5mm, 40-well	1pc/unit
BS-ATH-04	Aluminum test tube holder, Dia.20.5mm, 40-well	1pc/unit
BS-ATH-05	Aluminum test tube holder, Dia.22.5mm, 40-well	1pc/unit



## Joint Clamp

Designed for clamping and securing standard ground glass joints in rotary evaporation and other laboratory procedures, ensuring convenient operation.

- Plastic and stainless steel are both available
- Reusable



### Ordering information

Cat.No.	Description	Material	Packaging
BS-PJC-10	10# Plastic joint clamp	Plastic	10pcs/bag
BS-PJC-12	12# Plastic joint clamp		10pcs/bag
BS-PJC-14	14# Plastic joint clamp		10pcs/bag
BS-PJC-19	19# Plastic joint clamp		10pcs/bag
BS-PJC-24	24# Plastic joint clamp		10pcs/bag
BS-PJC-29	29# Plastic joint clamp		10pcs/bag
BS-PJC-34	34# Plastic joint clamp		10pcs/bag
BS-PJC-40	40# Plastic joint clamp		10pcs/bag
BS-PJC-45	45# Plastic joint clamp		10pcs/bag
BS-SJC-12	12# Stainless steel joint clamp	Stainless steel	1pc/bag
BS-SJC-18	18# Stainless steel joint clamp		1pc/bag
BS-SJC-28	28# Stainless steel joint clamp		1pc/bag
BS-SJC-35	35# Stainless steel joint clamp		1pc/bag
BS-SJC-40	40# Stainless steel joint clamp		1pc/bag

M-12



## Plastic Triangle Funnel

- Widely used in laboratory filtration, it works in conjunction with filter paper
- Smooth surface
- Easy to use
- Excellent PP material, resistant to deformation



### Ordering information

Cat.No.	Description	Packaging
BS-PTF-50	Plastic triangle funnel, 50mm	1pc/bag
BS-PTF-60	Plastic triangle funnel, 60mm	1pc/bag
BS-PTF-75	Plastic triangle funnel, 75mm	1pc/bag
BS-PTF-90	Plastic triangle funnel, 90mm	1pc/bag
BS-PTF-100	Plastic triangle funnel, 100mm	1pc/bag
BS-PTF-120	Plastic triangle funnel, 120mm	1pc/bag
BS-PTF-150	Plastic triangle funnel, 150mm	1pc/bag

## Brinell Funnel

- Material: Ceramic
- Color: White
- Mainly used for filtration by vacuum or negative pressure suction
- Can be used together with rubber funnel holder and rubber tube, Upper mouth filter bottle



### Ordering information

Cat.No.	Description	Packaging
BS-BFT-40	Brinell Funnel, 40mm	1pc/box
BS-BFT-60	Brinell Funnel, 60mm	1pc/box
BS-BFT-80	Brinell Funnel, 80mm	1pc/box
BS-BFT-100	Brinell Funnel, 100mm	1pc/box
BS-BFT-120	Brinell Funnel, 120mm	1pc/box
BS-BFT-150	Brinell Funnel, 150mm	1pc/box

## Rubber Funnel Holder

- Materials: Rubber
- Color: green, white
- Mainly used for sealing between the mouth of the filter bottle and the funnel



### Ordering information

Cat.No.	Description	Packaging
BS-RFH-09G	Rubber funnel holder, green	9pcs/bag
BS-RFH-09W	Rubber funnel holder, white	9pcs/bag

M-13



## Vacuum Rubber Hose

- Primarily designed for laboratory vacuum suction filtration systems
- Anti-wear, high durability
- Lightweight, non-brittle
- High water resistance



### Ordering information

Cat.No.	Description	Packaging
BS-VRH-01	Vacuum rubber hose, 1m, 6mm×9mm	1pc/unit
BS-VRH-02	Vacuum rubber hose, 1m, 7mm×13mm	1pc/unit
BS-VRH-03	Vacuum rubber hose, 1m, 8mm×14mm	1pc/unit
BS-VRH-04	Vacuum rubber hose, 1m, 10mm×14mm	1pc/unit

# Cell Culture Medium



Cell Culture Medium  
Classical Cell Culture Medium  
Cell Culture Additives  
Buffer Solution

## Cell Culture Medium

We offer a wide variety of commonly-used cell culture medium formulations. All component raw materials undergo strict quality screening. These chemicals comply with the Chinese Pharmacopoeia (ChP), European Pharmacopoeia (EP), United States Pharmacopoeia (USP), or Japanese Pharmacopoeia (JP). When no existing standard is available, our internal standards are applied to ensure excellent product quality from the source. All culture media products are dissolved using distilled water. Endotoxin levels are quantitatively tested using the Limulus Amebocyte Lysate (LAL) assay to ensure levels are below 1.0 EU/mL.

All products are sterilized through 0.1µm filtration and are ready to use, providing convenience and efficiency. The production environment for all products meets GMP, with a Class 10,000 cleanroom. The production facility is ISO9001 certified, and every step in the process is strictly controlled to ensure consistent and professional product quality.



### Quality Control

To ensure that our validated systems and quality control measures remain effective, each production batch of liquid culture media undergoes sampling and testing to confirm product quality.

- **Chemical Testing:** Osmolality and pH values of the products are measured to confirm compliance with product specifications.
- **Component Analysis:** For certain media products, analytical techniques such as HPLC are used to verify that the component concentrations are within acceptable ranges, ensuring product performance.
- **Growth Performance and Cytotoxicity Assays:** Many liquid media products are tested for cytotoxicity and growth-promoting properties using suspension culture assays. The rapidly growing mouse myeloma cell line Sp2/0-Ag14 is seeded at approximately  $5 \times 10^4$  cells/mL and cultured in parallel with a standardized reference medium to determine the relative logarithmic growth rate. Specialized media are evaluated using appropriate cell lines and compared against recognized reference standards.
- **Endotoxin Testing:** Endotoxin levels are measured using the Limulus Amebocyte Lysate (LAL) test. Our standard culture media consistently meet the industry's lowest endotoxin thresholds.
- **Stability Testing:** The expiration date indicated on each product labeled represents the validated duration of effective performance. Our stability testing program verifies and confirms the expiration dates by regularly monitoring batch performance under recommended storage conditions.
- **Product expiration date:** Refer to the product label for the expiration date.
- **Recommended Storage Conditions:** To maintain optimal product performance, store cell culture products under the conditions specified on the label. Avoid exposing liquid media to light during storage and use.
- **Certificate of Analysis (COA):** Certificates of Analysis for all cell culture products are available upon request. These documents provide detailed testing results for Biosharp liquid cell culture media, supplementing standard label and specification sheet information.

N-01



## Classical Cell Culture Medium

Classical cell culture Medium: Promote growth of different cell types in your research lab with classical cell culture media like DMEM, MEM, and RPMI.

Cat. No.	Description	Size
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### Dulbecco's Modified Eagle's Medium

BL301A	<b>DMEM, liquid (high glucose)</b> Contains no sodium pyruvate or HEPES	500mL
BL304A	<b>DMEM, liquid (high glucose)</b> Contains sodium pyruvate, but no HEPES	500mL
BL1915A	<b>DMEM, liquid (high glucose)</b> Contains Penicillin-Streptomycin Solution, sodium pyruvate, but no HEPES	500mL
BL5558A	<b>DMEM, liquid (high glucose)</b> Contains HEPES, but no sodium pyruvate	500ml
BL5559A	<b>DMEM, liquid (high glucose)</b> Contains sodium pyruvate, HEPES	500ml
BL308A	<b>DMEM, liquid (low glucose)</b> Contains sodium pyruvate, but no HEPES	500mL
BL1916A	<b>DMEM, liquid (low glucose)</b> Contains Penicillin-Streptomycin Solution, sodium pyruvate, but no HEPES	500mL
BL1124A	<b>DMEM, liquid (no glucose)</b> Contains no sodium pyruvate or HEPES	500mL
BL1125A	<b>DMEM, liquid (no glucose)</b> Contains no sodium pyruvate, phenol red, HEPES	500mL

### F12 Nutrient Mixture Medium

BL311A	<b>F12 Nutrient Mixture, liquid</b> Contains sodium pyruvate, but no HEPES	500mL
BL1921A	<b>F12 Nutrient Mixture, liquid</b> Contains Penicillin-Streptomycin Solution, sodium pyruvate, but no HEPES	500mL
BL5141A	<b>F12K Nutrient Mixture, Kaighn' s Modification, liquid</b>	500mL

### DMEM/F-12 (1:1)

BL305A	<b>DMEM/F12, liquid 1:1</b> Contains sodium pyruvate, HEPES	500mL
BL1917A	<b>DMEM/F12, liquid 1:1</b> Contains Penicillin-Streptomycin Solution, sodium pyruvate, HEPES	500mL

N-02



# Cell Culture Medium

## Minimum Essential Medium

BL307A	<b>MEM, liquid</b> Contains no sodium pyruvate or HEPES	500mL
BL1919A	<b>MEM, liquid</b> Contains Penicillin-Streptomycin Solution, but no sodium pyruvate, HEPES	500mL
BL306A	<b>MEM <math>\alpha</math>, liquid</b> Contains sodium pyruvate, ribonucleosides and deoxyribonucleosides, but no HEPES	500mL
BL1920A	<b>MEM <math>\alpha</math>, liquid</b> Contains Penicillin-Streptomycin Solution, sodium pyruvate, but no HEPES	500mL

## Iscove's Modified Dulbecco's Medium

BL312A	<b>IMDM, liquid</b> Contains sodium pyruvate, HEPES	500mL
BL1922A	<b>IMDM, liquid</b> Contains Penicillin-Streptomycin Solution, sodium pyruvate, HEPES	500mL

## Medium 199

BL309A	<b>M199, liquid</b> Contains no sodium pyruvate or HEPES	500mL
BL1923A	<b>M199, liquid</b> Contains Penicillin-Streptomycin Solution, but no sodium pyruvate, HEPES	500mL

## RPMI 1640 Medium

BL303A	<b>RPMI 1640, liquid</b> Contains no sodium pyruvate or HEPES	500mL
BL1918A	<b>RPMI 1640, liquid</b> Contains Penicillin-Streptomycin Solution, sodium pyruvate, but no HEPES	500mL
BL1126A	<b>RPMI 1640, liquid (no glucose)</b> Contains no sodium pyruvate or HEPES	500mL

## Liebovitz's L-15 Medium

BL313A	<b>Liebovitz's L-15 Medium, liquid</b> Contains sodium pyruvate, but no HEPES	500mL
BL1924A	<b>Liebovitz's L-15 Medium, liquid</b> Contains Penicillin-Streptomycin Solution, sodium pyruvate, but no HEPES	500mL

## McCoy's 5A Medium

BL5142A	<b>McCoy's 5A Medium, liquid</b>	500mL
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## Neuronal Medium

The Neuronal Medium is a basal medium specifically developed to meet the unique requirements of neural cell culture. This medium enables long-term maintenance of normal phenotypes and growth of neuronal cells, supporting highly pure neuronal populations without the need for an astrocyte feeder layer.

BL1670A	Neuronal Medium,liquid	500mL
BL1671A	Neuronal-A Medium,liquid	500mL

## Reduced Serum Medium

Reduced Serum Medium is one that is improved and modified based on MEM. It containing HEPES and sodium bicarbonate buffers, supplemented with hypoxanthine, thymidine, sodium pyruvate, L-glutamine, trace elements, and growth factors. It enables normal cell growth with a 50% reduction in serum requirement, supporting the cultivation of various cell lines including Sp2/0, AE-1, CHO-K1, BHK-21, HEK 293T, and Vero.

BL1117A	Reduced Serum Medium, liquid Contains L-glutamine, but no phenol red	100mL
BL1117B		500mL
BL1524A	Reduced Serum Medium, liquid Contains L-glutamine, phenol red	100mL
BL1524B		500mL

## 293 Medium

293 Serum-Free Cell Culture Medium is optimized for high-density culture of all HEK293 cell subtypes, for subculture and large-scale biopharmaceutical production using highly efficient transient transfection cell culture. Not for direct human use or as a drug product.

BL3301B	293 Medium	1L
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## Insect Medium

The serum-free Insect Cell Culture Medium is serum-free, free of animal-derived. It is suitable for sf9, sf21, and HighFive cells. This medium can be used for the resuscitation, subculture, cryopreservation, and expression of insect cells. Not for direct human use or as a drug product.

BL3302B	Insect Medium	1L
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## CHO Medium

The CHO Cell Culture Medium is serum-free, free of animal-derived. It is a basal medium suitable for different subtypes of Chinese Hamster Ovary cells (such as CHO-K1, CHODG44, CHO-S cells, etc.). This medium can be applied to the resuscitation, subculture, expression, and cryopreservation of CHO cells. It is suitable for scientific research applications and large-scale biopharmaceutical production through cell culture. Not for direct human use or as a drug product.

BL3303B	CHO Medium	1L
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## DMEM Formulation

Part Number	BL301A		BL304A		BL5558A		BL5559A		BL1915A	
	mg/L	mM	mg/L	mM	mg/L	mM	mg/L	mM	mg/L	mM
<b>Amino Acids</b>										
Glycine	30	0.4	30	0.4	30	0.4	30	0.4	30	0.4
L-Arginine hydrochloride	84	0.398	84	0.398	84	0.398	84	0.397	84	0.398
L-Cystine 2HCl	63	0.201	63	0.201	63	0.201	63	0.201	63	0.201
L-Glutamine	584	4	584	4	584	4	584	4	584	4
L-Histidine hydrochloride-H <sub>2</sub> O	42	0.2	42	0.2	42	0.2	42	0.2	42	0.2
L-Isoleucine	105	0.801	105	0.801	105	0.801	105	0.803	105	0.801
L-Leucine	105	0.801	105	0.801	105	0.801	105	0.801	105	0.801
L-Lysine hydrochloride	146	0.797	146	0.797	146	0.797	146	0.797	146	0.797
L-Methionine	30	0.201	30	0.201	30	0.201	30	0.201	30	0.201
L-Phenylalanine	66	0.4	66	0.4	66	0.4	66	0.4	66	0.4
L-Serine	42	0.4	42	0.4	42	0.4	42	0.4	42	0.4
L-Threonine	95	0.798	95	0.798	95	0.798	95	0.798	95	0.798
L-Tryptophan	16	0.078	16	0.078	16	0.078	16	0.078	16	0.078
L-Tyrosine disodium salt dihydrate	104	0.39	104	0.398	104	0.39	104	0.398	104	0.398
L-Valine	94	0.803	94	0.803	94	0.803	94	0.803	94	0.803
<b>Vitamins</b>										
Choline chloride	4	0.028	4	0.028	4	0.028	4	0.028	4	0.028
D-Calcium pantothenate	4	0.008	4	0.008	4	0.008	4	0.008	4	0.008
Folic Acid	4	0.009	4	0.009	4	0.009	4	0.009	4	0.009
Niacinamide	4	0.032	4	0.032	4	0.032	4	0.032	4	0.032
Pyridoxine hydrochloride	4	0.019	4	0.0191	4	0.019	4	0.0191	4	0.0191
Riboflavin	0.4	0.001	0.4	0.001	0.4	0.001	0.4	0.001	0	0.001
Thiamine hydrochloride	4	0.011	4	0.011	4	0.011	4	0.011	4	0.011
i-Inositol	7.2	0.04	7.2	0.04	7.2	0.04	7.2	0.04	7	0.04
<b>Inorganic Salts</b>										
Calcium Chloride (CaCl <sub>2</sub> ) (anhyd.)	200	1.801	200	1.801	200	1.801	200	1.801	200	1.801
Ferric Nitrate (Fe(NO <sub>3</sub> ) <sub>3</sub> ·9H <sub>2</sub> O)	0.1	2.48E-04	0.1	2.48E-04	0.1	2.48E-04	0.1	2.48E-04	0.1	2.48E-04
Magnesium Sulfate (MgSO <sub>4</sub> ) (anhyd.)	97.67	0.813	97.67	0.813	97.67	0.813	97.67	0.813	97.7	0.813
Potassium Chloride (KCl)	400	5.333	400	5.333	400	5.333	400	5.333	400	5.333
Sodium Bicarbonate (NaHCO <sub>3</sub> )	3700	44.047	3700	44.047	3700	44.047	3700	44.047	3700	44.047
Sodium Chloride (NaCl)	6400	110.344	6400	110.344	6400	110.344	6400	110.344	6400	110.344
Sodium Phosphate monobasic (NaH <sub>2</sub> PO <sub>4</sub> ·H <sub>2</sub> O)	125	0.905	125	0.905	125	0.905	125	0.905	125	0.905
<b>Other Components</b>										
D-Glucose (Dextrose)	4500	25	4500	25	4500	25	4500	25	4500	25
Phenol Red	15	0.039	15	0.039	15	0.039	15	0.039	15	0.039
Sodium Pyruvate	0	0	110	1	0	0	110	1	110	1
Hepes	0	0	0	0	5958	25.033	5958	25.033	0	0
Penicillin	0	0	0	0	0	0	0	0	100U/mL	-
Streptomycin	0	0	0	0	0	0	0	0	0.1	-



## DMEM Formulation

Part Number	BL308A		BL1916A		BL1124A		BL1125A	
	mg/L	mM	mg/L	mM	mg/L	mM	mg/L	mM
<b>Amino Acids</b>								
Glycine	30	0.4	30	0.4	30	0.4	30	0.4
L-Arginine hydrochloride	84	0.398	84	0.398	84	0.398	84	0.398
L-Cystine 2HCl	63	0.201	63	0.201	63	0.201	63	0.201
L-Glutamine	584	4	584	4	584	4	0	0
L-Histidine hydrochloride-H <sub>2</sub> O	42	0.2	42	0.2	42	0.2	42	0.2
L-Isoleucine	105	0.801	105	0.801	105	0.801	105	0.801
L-Leucine	105	0.801	105	0.801	105	0.801	105	0.801
L-Lysine hydrochloride	146	0.797	146	0.797	146	0.797	146	0.797
L-Methionine	30	0.201	30	0.201	30	0.201	30	0.201
L-Phenylalanine	66	0.4	66	0.4	66	0.4	66	0.4
L-Serine	42	0.4	42	0.4	42	0.4	42	0.4
L-Threonine	95	0.798	95	0.798	95	0.798	95	0.798
L-Tryptophan	16	0.0784	16	0.0784	16	0.0784	16	0.0784
L-Tyrosine disodium salt dihydrate	104	0.398	104	0.398	104	0.398	104	0.398
L-Valine	94	0.803	94	0.803	94	0.803	94	0.803
<b>Vitamins</b>								
Choline chloride	4	0.028	4	0.028	4	0.028	4	0.028
D-Calcium pantothenate	4	0.008	4	0.008	4	0.008	4	0.008
Folic Acid	4	0.009	4	0.009	4	0.009	4	0.009
Niacinamide	4	0.032	4	0.032	4	0.032	4	0.032
Pyridoxine hydrochloride	4	0.019	4	0.019	4	0.019	4	0.019
Riboflavin	0.4	0.001	0.4	0.001	0.4	0.001	0.4	0.001
Thiamine hydrochloride	4	0.011	4	0.011	4	0.011	4	0.011
i-Inositol	7.2	0.04	7.2	0.04	7.2	0.04	7.2	0.04
<b>Inorganic Salts</b>								
Calcium Chloride (CaCl <sub>2</sub> ) (anhyd.)	200	1.801	200	1.801	200	1.801	200	1.801
Ferric Nitrate (Fe(NO <sub>3</sub> ) <sub>3</sub> ·9H <sub>2</sub> O)	0.1	2.48E-04	0.1	2.48E-04	0.1	2.48E-04	0.1	2.48E-04
Magnesium Sulfate (MgSO <sub>4</sub> ) (anhyd.)	97.67	0.813	97.67	0.813	97.67	0.813	97.67	0.813
Potassium Chloride (KCl)	400	5.333	400	5.333	400	5.333	400	5.333
Sodium Bicarbonate (NaHCO <sub>3</sub> )	3700	44.047	3700	44.047	3700	44.047	3700	44.047
Sodium Chloride (NaCl)	6400	110.344	6400	110.344	6400	110.344	6400	110.344
Sodium Phosphate monobasic (NaH <sub>2</sub> PO <sub>4</sub> ·H <sub>2</sub> O)	125	0.905	125	0.905	125	0.905	125	0.905
<b>Other Components</b>								
D-Glucose (Dextrose)	1000	5.555	1000	5.555	0	0	0	0
Phenol Red	15	0.039	15	0.039	15	0.039	0	0
Sodium Pyruvate	110	1	110	1	0	0	0	0
Hepes	0	0	0	0	0	0	0	0
Penicillin	0	0	100U/mL	-	0	0	0	0
Streptomycin	0	0	0.1	-	0	0	0	0

N-06



## DMEM Formulation

Part Number	BL305A		BL1917A	
	mg/L	mM	mg/L	mM
<b>Components</b>				
<b>Amino Acids</b>				
Glycine	18.75	0.25	18.75	0.25
L-Alanine	4.45	0.05	4.45	0.05
L-Arginine hydrochloride	147.5	0.698	147.5	0.698
L-Asparagine-H <sub>2</sub> O	7.5	0.05	7.5	0.05
L-Aspartic acid	6.65	0.05	6.65	0.05
L-Cysteine hydrochloride-H <sub>2</sub> O	17.56	0.099	17.56	0.099
L-Cystine 2HCl	31.29	0.099	31.29	0.099
L-Glutamic Acid	7.35	0.05	7.35	0.05
L-Glutamine	365	2.5	365	2.5
L-Histidine hydrochloride-H <sub>2</sub> O	31.48	0.149	31.48	0.149
L-Isoleucine	54.47	0.415	54.47	0.415
L-Leucine	59.05	0.45	59.05	0.45
L-Lysine hydrochloride	91.25	0.498	91.25	0.498
L-Methionine	17.24	0.115	17.24	0.115
L-Phenylalanine	35.48	0.215	35.48	0.215
L-Proline	17.25	0.15	17.25	0.15
L-Serine	26.25	0.25	26.25	0.25
L-Threonine	53.45	0.445	53.45	0.445
L-Tryptophan	9.02	0.044	9.02	0.044
L-Tyrosine disodium salt dihydrate	55.79	0.21	55.79	0.21
L-Valine	52.85	0.451	52.85	0.451
<b>Vitamins</b>				
Biotin	0.0035	1.43E-05	0.0035	1.43E-05
Choline chloride	8.98	0.064	8.98	0.064
D-Calcium pantothenate	2.24	0.004	2.24	0.004
Folic Acid	2.65	0.006	2.65	0.006
Niacinamide	2.02	0.016	2.02	0.016
Pyridoxine hydrochloride	2	0.009	2	0.009
Riboflavin	0.219	5.82E-04	0.219	5.82E-04
Thiamine hydrochloride	2.17	0.006	2.17	0.006
Vitamin B12	0.68	5.02E-04	0.68	5.02E-04
i-Inositol	12.6	0.07	12.6	0.07
<b>Inorganic Salts</b>				
Calcium Chloride (CaCl <sub>2</sub> ) (anhyd.)	116.6	1.05	116.6	1.05
Cupric sulfate (CuSO <sub>4</sub> ·5H <sub>2</sub> O)	0.0013	5.20E-06	0.0013	5.20E-06
Ferric Nitrate (Fe(NO <sub>3</sub> ) <sub>3</sub> ·9H <sub>2</sub> O)	0.05	1.24E-04	0.05	1.24E-04
Ferrous Sulfate (FeSO <sub>4</sub> ·7H <sub>2</sub> O)	0.417	0.0015	0.417	0.0015
Magnesium Chloride (anhyd.)	28.64	0.301	28.64	0.301
Magnesium Sulfate (MgSO <sub>4</sub> ) (anhyd.)	48.84	0.407	48.84	0.407



## DMEM Formulation Continued

Part Number	BL305A		BL1917A	
	mg/L	mM	mg/L	mM
<b>Components</b>				
Potassium Chloride (KCl)	311.8	4.157	311.8	4.157
Sodium Bicarbonate (NaHCO <sub>3</sub> )	1200	14.283	1200	14.283
Sodium Chloride (NaCl)	6995.5	120.612	6995.5	120.612
Sodium Phosphate dibasic (Na <sub>2</sub> HPO <sub>4</sub> ) (anhyd.)	71.02	0.5	71.02	0.5
Sodium Phosphate monobasic (NaH <sub>2</sub> PO <sub>4</sub> -H <sub>2</sub> O)	62.5	0.452	62.5	0.452
Zinc sulfate (ZnSO <sub>4</sub> -7H <sub>2</sub> O)	0.432	0.001	0.432	0.001
<b>Other Components</b>				
D-Glucose (Dextrose)	3151	17.505	3151	17.505
Phenol Red	8.1	0.021	8.1	0.021
HEPES	3574.5	15.018	3574.5	15.018
Sodium Pyruvate	55	0.5	55	0.5
Hypoxanthine Na	2.39	0.015	2.39	0.015
Linoleic Acid	0.042	1.50E-04	0.042	1.50E-04
Lipoic Acid	0.105	5.10E-04	0.105	5.10E-04
Putrescine 2HCl	0.081	5.03E-04	0.081	5.03E-04
Thymidine	0.365	0.001	0.365	0.001
Penicillin	0	0	100U/mL	-
Streptomycin	0	0	0.1	-

N-08



## RPMI 1640 Formulation

Part Number	BL303A		BL1918A		BL1126A	
	mg/L	mM	mg/L	mM	mg/L	mM
<b>Amino Acids</b>						
Glycine	10	0.133	10	0.133	10	0.133
L-Arginine	200	1.149	200	1.149	200	1.149
L-Asparagine	50	0.378	50	0.378	50	0.378
L-Aspartic acid	20	0.151	20	0.151	20	0.151
L-Cystine 2HCl	65	0.207	65	0.207	65	0.207
L-Glutamic Acid	20	0.136	20	0.136	20	0.136
L-Glutamine	300	2.054	300	2.054	300	2.054
L-Histidine	15	0.096	15	0.096	15	0.096
L-Hydroxyproline	20	0.152	20	0.152	20	0.152
L-Isoleucine	50	0.381	50	0.381	50	0.381
L-Leucine	50	0.381	50	0.381	50	0.381
L-Lysine hydrochloride	40	0.273	40	0.273	40	0.273
L-Methionine	15	0.101	15	0.101	15	0.101
L-Phenylalanine	15	0.09	15	0.09	15	0.09
L-Proline	20	0.173	20	0.173	20	0.173
L-Serine	30	0.285	30	0.285	30	0.285
L-Threonine	20	0.168	20	0.168	20	0.168
L-Tryptophan	5	0.024	5	0.024	5	0.024
L-Tyrosine disodium salt dihydrate	29	0.111	29	0.111	29	0.111
L-Valine	20	0.17	20	0.17	20	0.17
<b>Vitamins</b>						
Biotin	0.2	8.20E-04	0.2	8.20E-04	0.2	8.20E-04
Choline chloride	3	0.021	3	0.021	3	0.021
D-Calcium pantothenate	0.25	5.24E-04	0.25	5.24E-04	0.25	5.24E-04
Folic Acid	1	0.002	1	0.002	1	0.002
Niacinamide	1	0.008	1	0.008	1	0.008
Para-Aminobenzoic Acid	1	0.007	1	0.007	1	0.007
Pyridoxine hydrochloride	1	0.005	1	0.005	1	0.005
Riboflavin	0.2	5.32E-04	0.2	5.32E-04	0.2	5.32E-04
Thiamine hydrochloride	1	0.003	1	0.003	1	0.003
Vitamin B12	0.005	3.69E-06	0.005	3.69E-06	0.005	3.69E-06
i-Inositol	35	0.194	35	0.194	35	0.194
<b>Inorganic Salts</b>						
Calcium nitrate (Ca(NO <sub>3</sub> ) <sub>2</sub> ·4H <sub>2</sub> O)	100	0.423	100	0.423	100	0.423
Magnesium Sulfate (MgSO <sub>4</sub> ) (anhyd.)	48.84	0.407	48.84	0.407	48.84	0.407
Potassium Chloride (KCl)	400	5.333	400	5.333	400	5.333
Sodium Bicarbonate (NaHCO <sub>3</sub> )	2000	23.809	2000	23.809	2000	23.809
Sodium Chloride (NaCl)	5300	91.379	6000	91.379	6000	91.379
Sodium Phosphate dibasic (Na <sub>2</sub> HPO <sub>4</sub> ) (anhyd.)	800	5.633	800	5.633	800	5.633
<b>Other Components</b>						
D-Glucose (Dextrose)	2000	11.111	2000	11.111	0	0
Glutathione (reduced)	1	0.003	1	0.003	1	0.003
Phenol Red	5	0.013	5	0.013	5	0.013
Penicillin	0	0	100U/mL	-	0	0
Streptomycin	0	0	0.1	-	0	0

N-09



## MEM Formulation

Part Number	BL307A		BL1919A	
	mg/L	mM	mg/L	mM
<b>Amino acids</b>				
L-Arginine hydrochloride	126.64	0.6	126.64	0.6
L-Cystine 2HCl	31	0.09	31	0.09
L-Glutamine	292	1.99	292	1.99
L-Histidine hydrochloride-H <sub>2</sub> O	42	0.19	42	0.19
L-Isoleucine	52	0.39	52	0.39
L-Leucine	52	0.39	52	0.39
L-Lysine hydrochloride	72.5	0.39	72.5	0.39
L-Methionine	15	0.1	15	0.1
L-Phenylalanine	32	0.18	32	0.18
L-Threonine	48	0.4	48	0.4
L-Tryptophan	10	0.05	10	0.05
L-Tyrosine disodium salt	52	0.19	52	0.19
L-Valine	46	0.39	46	0.39
<b>Vitamins</b>				
Choline chloride	1	0.007	1	0.007
D-Calcium pantothenate	1	0.0021	1	0.0021
Folic acid	1	0.0023	1	0.0023
Niacinamide	1	0.008	1	0.008
Pyridoxal hydrochloride	1	0.004	1	0.004
Riboflavin	0.1	0.0003	0.1	0.0003
Thiamine hydrochloride	1	0.003	1	0.003
i-Inositol	2	0.011	2	0.011
<b>Inorganic salts</b>				
Calcium Chloride (CaCl <sub>2</sub> ) (anhyd.)	200	1.8021	200	1.8021
Magnesium Sulfate (MgSO <sub>4</sub> ) (anhyd.)	97.67	0.8112	97.67	0.8112
Potassium Chloride (KCl)	400	5.3655	400	5.3655
Sodium Bicarbonate (NaHCO <sub>3</sub> )	2200	26.16	0	0
Sodium Chloride (NaCl)	6800	116.3	6800	116.3
Sodium Phosphate monobasic (NaH <sub>2</sub> PO <sub>4</sub> -H <sub>2</sub> O)	140	1.01	140	1.01
<b>Other Components</b>				
D-Glucose (Dextrose)	1000	5.55	1000	5.55
Phenol Red	11	0.02	10	0.02
Penicillin	0	0	100U/mL	-
Streptomycin	0	0	0.1	-

N-10



## MEM Formulation

Part Number	BL306A		BL1920A	
	mg/L	mM	mg/L	mM
<b>Amino Acids</b>				
Glycine	50	0.666	50	0.666
L-Alanine	25	0.2808	25	0.2808
L-Arginine hydrochloride	105	0.497	105	0.497
L-Asparagine-H <sub>2</sub> O	50	0.333	50	0.333
L-Aspartic acid	30	0.225	30	0.225
L-Cysteine hydrochloride-H <sub>2</sub> O	100	0.568	100	0.568
L-Cystine 2HCl	31	0.099	31	0.099
L-Glutamic Acid	75	0.51	75	0.51
L-Glutamine	292	2	292	2
L-Histidine	31	0.2	31	0.2
L-Isoleucine	52.4	0.4	52.4	0.4
L-Leucine	52	0.396	52	0.396
L-Lysine	73	0.398	73	0.398
L-Methionine	15	0.101	15	0.101
L-Phenylalanine	32	0.193	32	0.193
L-Proline	40	0.347	40	0.347
L-Serine	25	0.238	25	0.238
L-Threonine	48	0.403	48	0.403
L-Tryptophan	10	0.049	10	0.049
L-Tyrosine disodium salt	52	0.231	52	0.231
L-Valine	46	0.393	46	0.393
<b>Vitamins</b>				
Ascorbic Acid	50	0.284	50	0.284
Biotin	0.1	4.10E-04	0.1	4.10E-04
Choline chloride	1	0.007	1	0.007
D-Calcium pantothenate	1	0.002	1	0.002
Folic Acid	1	0.002	1	0.002
Niacinamide	1	0.008	1	0.008
Pyridoxal hydrochloride	1	0.004	1	0.004
Riboflavin	0.1	2.66E-04	0.1	2.66E-04
Thiamine hydrochloride	1	0.003	1	0.003
Vitamin B12	1.36	0.001	1.36	0.001
i-Inositol	2	0.011	2	0.011
<b>Inorganic Salts</b>				
Calcium Chloride (CaCl <sub>2</sub> ) (anhyd.)	200	1.802	200	1.802
Magnesium Sulfate (MgSO <sub>4</sub> ) (anhyd.)	97.67	0.814	97.67	0.814
Potassium Chloride (KCl)	400	5.333	400	5.333
Sodium Bicarbonate (NaHCO <sub>3</sub> )	2200	26.19	2200	26.19
Sodium Chloride (NaCl)	6800	117.241	6800	117.241
Sodium Phosphate monobasic (NaH <sub>2</sub> PO <sub>4</sub> -H <sub>2</sub> O)	140	1.0145	140	1.0145

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## MEM Formulation Continued

Part Number	BL306A		BL1920A	
	mg/L	mM	mg/L	mM
<b>Components</b>				
<b>Ribonucleosides</b>				
Adenosine	10	0.0374	10	0.0374
Cytidine	10	0.041	10	0.041
Guanosine	10	0.035	10	0.035
Uridine	10	0.041	10	0.041
<b>Deoxyribonucleosides</b>				
2'Deoxyadenosine	10	0.039	10	0.039
2'Deoxyctidine HCl	11	0.041	11	0.041
2'Deoxyguanosine	10	0.037	10	0.037
Thymidine	10	0.041	10	0.041
<b>Other Components</b>				
D-Glucose (Dextrose)	1000	5.555	1000	5.555
HEPES	5958	25.033	0	0
Lipoic Acid	0.2	9.71E-04	0.2	9.71E-04
Phenol Red	10	0.0265	10	0.0265
Sodium Pyruvate	110	1	110	1
Penicillin	0	0	100U/mL	-
Streptomycin	0	0	0.1	-



## F12 Formulation

Part Number	BL311A		BL1921A		BL5141A	
	mg/L	mM	mg/L	mM	mg/L	mM
<b>Amino Acids</b>						
Glycine	7.5	0.1	7.5	0.1	15	0.2
L-Alanine	8.9	0.1	8.9	0.099999994	18	0.202
L-Arginine hydrochloride	211	1	211	1	422	2
L-Asparagine-H <sub>2</sub> O	15.01	0.1	15.01	0.1	30	0.2
L-Aspartic acid	13.3	0.1	13.3	0.1	26.6	0.2
L-Cysteine hydrochloride-H <sub>2</sub> O	35.12	0.199	35.12	0.199	70	0.398
L-Glutamic Acid	14.7	0.1	14.7	0.1	29	0.197
L-Glutamine	146	1	146	1	292	2
L-Histidine hydrochloride-H <sub>2</sub> O	21	0.1	21	0.1	45.8	0.218
L-Isoleucine	4	0.03	4	0.03	7.88	0.06
L-Leucine	13.1	0.1	13.1	0.1	26.2	0.2
L-Lysine hydrochloride	36.5	0.199	36.5	0.199	73	0.399
L-Methionine	4.5	0.03	4.5	0.03	8.96	0.06
L-Phenylalanine	5	0.03	5	0.03	9.92	0.06
L-Proline	34.5	0.3	34.5	0.3	69	0.6
L-Serine	10.5	0.1	10.5	0.1	21	0.2
L-Threonine	11.9	0.1	11.9	0.099999994	23	0.193
L-Tryptophan	2.04	0.01	2.04	0.01	4.1	0.02
L-Tyrosine disodium salt dihydrate	7.81	0.029	7.81	0.02980916	13.5	0.052
L-Valine	11.7	0.1	11.7	0.1	23	0.197
<b>Vitamins</b>						
Biotin	0.0073	2.99E-05	0.0073	2.99E-05	0.07	2.87E-04
Choline chloride	14	0.1	14	0.1	14	0.1
D-Calcium pantothenate	0.5	0.001	0.5	0.001	0.5	0.001
Folic Acid	1.3	0.003	1.3	0.003	1.3	0.003
Niacinamide	0.036	2.95E-04	0.036	2.95E-04	0.037	3.03E-04
Pyridoxine hydrochloride	0.06	2.91E-04	0.06	2.91E-04	0.06	2.91E-04
Riboflavin	0.037	9.84E-05	0.037	9.84E-05	0.04	1.06E-04
Thiamine hydrochloride	0.3	8.90E-04	0.3	8.90E-04	0.3	8.90E-04
Vitamin B12	1.4	0.001	1.4	0.001	1.4	0.001
i-Inositol	18	0.1	18	0.1	18	0.1
<b>Inorganic Salts</b>						
Calcium Chloride (CaCl <sub>2</sub> ) (anhyd.)	33.22	0.299	33.22	0.299	102	0.919
Cupric sulfate (CuSO <sub>4</sub> ·5H <sub>2</sub> O)	0.0025	1.00E-05	0.0025	1.00E-05	0.002	8.00E-06
Ferric sulfate (FeSO <sub>4</sub> ·7H <sub>2</sub> O)	0.834	0.003	0.834	0.003	0.8	0.003
Magnesium Chloride (anhyd.)	57.22	0.602	57.22	0.602	49.7	0.523
Magnesium Sulfate (MgSO <sub>4</sub> ) (anhyd.)	0	0	0	0	192	1.6
Potassium Chloride (KCl)	223.6	2.981	223.6	2.981	285	3.8
Sodium Bicarbonate (NaHCO <sub>3</sub> )	1176	14	1176	14	2500	29.762
Sodium Chloride (NaCl)	7599	131.017	7599	131.017	7530	129.828
Sodium Phosphate dibasic (Na <sub>2</sub> HPO <sub>4</sub> ) (anhyd.)	142	1	142	1	115.5	0.813
Sodium Phosphate monobasic (NaH <sub>2</sub> PO <sub>4</sub> ) (anhyd.)	0	0	0	0	59	0.424
Zinc sulfate (ZnSO <sub>4</sub> ·7H <sub>2</sub> O)	0.863	0.002	0.863	0.002	0.144	5.00E-04
<b>Other Components</b>						
D-Glucose (Dextrose)	1802	10.011	1802	10.011	1260	7
Hypoxanthine Na	4.77	0.031	4.77	0.031	4	0.031
Linoleic Acid	0.084	3.00E-04	0.084	3.00E-04	0	0
Lipoic Acid	0.21	0.001	0.21	0.001	0.21	0.001
Phenol Red	1.2	0.003	1.2	0.003	3	0.007
Putrescine 2HCl	0.161	0.001	0.161	0.001	0.32	0.002
Sodium Pyruvate	110	1	110	1	220	2
Thymidine	0.7	0.002	0.7	0.002	0.7	0.002
Penicillin	0	0	100U/mL	-	0	0
Streptomycin	0	0	0.1	-	0	0

N-13



## M199 Formulation

Part Number	BL309A		BL1923A	
	mg/L	mM	mg/L	mM
<b>Amino Acids</b>				
Glycine	50	0.666	50	0.666
L-Alanine	25	0.283	25	0.283
L-Arginine hydrochloride	70	0.331	70	0.331
L-Aspartic acid	30	0.225	30	0.225
L-Cysteine hydrochloride-H <sub>2</sub> O	0.1	5.68E-04	0.1	5.68E-04
L-Cystine 2HCl	26	0.108	26	0.108
L-Glutamic Acid	75	0.51	75	0.51
L-Glutamine	100	0.684	100	0.684
L-Histidine hydrochloride-H <sub>2</sub> O	21.88	0.104	21.88	0.104
L-Hydroxyproline	10	0.076	10	0.076
L-Isoleucine	40	0.305	40	0.305
L-Leucine	60	0.458	60	0.458
L-Lysine hydrochloride	70	0.382	70	0.382
L-Methionine	15	0.101	15	0.101
L-Phenylalanine	25	0.151	25	0.151
L-Proline	40	0.347	40	0.347
L-Serine	25	0.238	25	0.238
L-Threonine	30	0.252	30	0.252
L-Tryptophan	10	0.049	10	0.049
L-Tyrosine disodium salt dihydrate	58	0.222	58	0.222
L-Valine	25	0.213	25	0.213
<b>Vitamins</b>				
Ascorbic Acid	0.05	2.84E-04	0.05	2.84E-04
Biotin	0.01	4.10E-05	0.01	4.10E-05
Choline chloride	0.5	0.003	0.5	0.003
D-Calcium pantothenate	0.01	2.10E-05	0.01	2.10E-05
Folic Acid	0.01	2.27E-05	0.01	2.27E-05
Menadione (Vitamin K3)	0.01	5.81E-05	0.01	5.81E-05
Niacinamide	0.025	2.05E-04	0.025	2.05E-04
Nicotinic acid (Niacin)	0.025	2.03E-04	0.025	2.03E-04
Para-Aminobenzoic Acid	0.05	3.65E-04	0.05	3.65E-04
Pyridoxal hydrochloride	0.025	1.23E-04	0.025	1.23E-04
Pyridoxine hydrochloride	0.025	1.21E-04	0.025	1.21E-04
Riboflavin	0.01	2.66E-05	0.01	2.66E-05
Thiamine hydrochloride	0.01	2.97E-05	0.01	2.97E-05
Vitamin A (acetate)	0.1	3.05E-04	0.1	3.05E-04
Vitamin D2 (Calciferol)	0.1	2.52E-04	0.1	2.52E-04
alpha Tocopherol phos. Na salt	0.01	1.80E-05	0.01	1.80E-05
i-Inositol	0.05	2.78E-04	0.05	2.78E-04

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## M199 Formulation Continued

Part Number	BL309A		BL1923A	
	mg/L	mM	mg/L	mM
<b>Inorganic Salts</b>				
Calcium Chloride (CaCl <sub>2</sub> ) (anhyd.)	200	1.801	200	1.801
Ferric nitrate (Fe(NO <sub>3</sub> )-9H <sub>2</sub> O)	0.7	0.002	0.7	0.002
Magnesium Sulfate (MgSO <sub>4</sub> ) (anhyd.)	97.67	0.813	97.67	0.813
Potassium Chloride (KCl)	400	5.333	400	5.333
Sodium Bicarbonate (NaHCO <sub>3</sub> )	2200	26.19	2200	26.19
Sodium Chloride (NaCl)	6100	105.172	6800	117.241
Sodium Phosphate monobasic (NaH <sub>2</sub> PO <sub>4</sub> ) (anhyd.)	140	1.0144	140	1.0144
<b>Other Components</b>				
2-deoxy-D-ribose	0.5	0.003	0.5	0.003
Adenine sulfate	10	0.024	10	0.024
Adenosine 5'-phosphate	0.2	5.76E-04	0.2	5.76E-04
Adenosine 5'-triphosphate	1	0.001	1	0.001
Cholesterol	0.2	5.17E-04	0.2	5.17E-04
D-Glucose (Dextrose)	1000	5.555	1000	5.555
Glutathione (reduced)	0.05	1.63E-04	0.05	1.63E-04
Guanine hydrochloride	0.3	0.001	0.3	0.001
Hypoxanthine Na	0.4	0.003	0.4	0.003
Phenol Red	20	0.0533	20	0.0533
Ribose	0.5	0.003	0.5	0.003
Sodium Acetate	50	0.609	50	0.609
Thymine	0.3	0.00225	0.3	0.00225
Tween 80	20	-	20	-
Uracil	0.3	0.002	0.3	0.002
Xanthine-Na	0.34	0.002	0.34	0.002
Penicillin	0	0	100U/mL	-
Streptomycin	0	0	0.1	-

N-15



## IMDM Formulation

Part Number	BL312A		BL1922A	
	mg/L	mM	mg/L	mM
<b>Components</b>				
<b>Amino Acids</b>				
Glycine	30	0.4	30	0.4
L-Alanine	25	0.28	25	0.28
L-Arginine hydrochloride	84	0.398	84	0.398
L-Asparagine (freebase)	25	0.189	25	0.189
L-Aspartic acid	30	0.225	30	0.225
L-Cystine 2HCl	91.4	0.292	91.4	0.292
L-Glutamic Acid	75	0.51	75	0.51
L-Glutamine	584	4	584	4
L-Histidine hydrochloride-H <sub>2</sub> O	42	0.2	42	0.2
L-Isoleucine	105	0.801	105	0.801
L-Leucine	105	0.801	105	0.801
L-Lysine hydrochloride	146	0.797	146	0.797
L-Methionine	30	0.201	30	0.201
L-Phenylalanine	66	0.4	66	0.4
L-Proline	40	0.347	40	0.347
L-Serine	42	0.4	42	0.4
L-Threonine	95	0.798	95	0.798
L-Tryptophan	16	0.078	16	0.078
L-Tyrosine disodium salt	104	0.462	104	0.462
L-Valine	94	0.803	94	0.803
<b>Vitamins</b>				
Biotin	0.013	5.33E-05	0.013	5.33E-05
Choline chloride	4	0.028	4	0.028
D-Calcium pantothenate	4	0.008	4	0.008
Folic Acid	4	0.009	4	0.009
Niacinamide	4	0.032	4	0.032
Pyridoxal hydrochloride	4	0.019	4	0.019
Riboflavin	0.4	0.001	0.4	0.001
Thiamine hydrochloride	4	0.011	4	0.011
Vitamin B12	0.013	9.59E-06	0.013	9.59E-06
i-Inositol	7.2	0.04	7.2	0.04
<b>Inorganic Salts</b>				
Calcium Chloride (CaCl <sub>2</sub> ) (anhyd.)	165	1.486	165	1.486
Magnesium Sulfate (MgSO <sub>4</sub> ) (anhyd.)	97.67	0.813	97.67	0.813
Potassium Chloride (KCl)	330	4.4	330	4.4
Potassium Nitrate (KNO <sub>3</sub> )	0.076	7.52E-04	0.076	7.52E-04
Sodium Bicarbonate (NaHCO <sub>3</sub> )	3024	36	0	0
Sodium Chloride (NaCl)	4505	77.672	4500	77.672
Sodium Phosphate monobasic (NaH <sub>2</sub> PO <sub>4</sub> -H <sub>2</sub> O)	125	0.905	125	0.905
Sodium Selenite (Na <sub>2</sub> SeO <sub>3</sub> -5H <sub>2</sub> O)	0.017	9.83E-05	0.0173	6.58E-05
<b>Other Components</b>				
D-Glucose (Dextrose)	4500	25	4500	25
HEPES	5958	25.033	5958	25.033
Phenol Red	15	0.039	15	0.039
Sodium Pyruvate	110	1	110	1
Penicillin	0	0	100U/mL	-
Streptomycin	0	0	0.1	-

N-16



## L-15 Formulation

Part Number	BL313A		BL1924A	
	mg/L	mM	mg/L	mM
<b>Components</b>				
<b>Amino acids</b>				
Glycine	200	2.667	200	2.667
L-Alanine	225	2.528	225	2.528
L-Arginine	500	2.873	500	2.873
L-Asparagine	250	1.893	250	1.893
L-Cysteine	120	0.991	120	0.991
L-Glutamine	300	2.054	300	2.054
L-Histidine	250	1.612	250	1.612
L-Isoleucine	250	1.908	250	1.908
L-Leucine	125	0.954	125	0.954
L-Lysine	75	0.513	75	0.513
L-Methionine	75	0.503	75	0.503
L-Phenylalanine	125	0.757	125	0.757
L-Serine	200	1.904	200	1.904
L-Threonine	300	2.521	300	2.521
L-Tryptophan	20	0.098	20	0.098
L-Tyrosine	300	1.657	300	1.657
L-Valine	100	0.854	100	0.854
<b>Vitamins</b>				
Choline chloride	1	0.007	1	0.007
D-Calcium pantothenate	1	0.002	1	0.002
Folic Acid	1	0.002	1	0.002
Niacinamide	1	0.008	1	0.008
Pyridoxine hydrochloride	1	0.004	1	0.004
Riboflavin 5'-phosphate Na	0.1	2.09E-04	0.1	2.09E-04
Thiamine monophosphate	1	0.002	1	0.002
i-Inositol	2	0.011	2	0.011
<b>Inorganic Salts</b>				
Calcium Chloride (CaCl <sub>2</sub> ) (anhyd.)	140	1.261	140	1.261
Magnesium Chloride (anhyd.)	93.7	0.986	93.7	0.986
Magnesium Sulfate (MgSO <sub>4</sub> ) (anhyd.)	97.67	0.813	97.67	0.813
Potassium Chloride (KCl)	400	5.333	400	5.333
Potassium Phosphate monobasic (KH <sub>2</sub> PO <sub>4</sub> )	60	0.441	60	0.441
Sodium Chloride (NaCl)	8000	137.931	8000	137.931
Sodium Phosphate dibasic (Na <sub>2</sub> HPO <sub>4</sub> ) (anhyd.)	190	1.338	190	1.338
<b>Other Components</b>				
D+ Galactose	900	5	900	5
Phenol Red	10	0.026	10	0.026
Sodium Pyruvate	550	5	550	5
Penicillin	0	0	100U/mL	-
Streptomycin	0	0	0.1	-

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## McCoy's 5A Formulation

Part Number	BL5142A	
	mg/L	mM
<b>Components</b>		
<b>Amino acids</b>		
Glycine	7.5	0.1
L-Alanine	13.9	0.15617977
L-Arginine hydrochloride	42.14	0.19952606
L-Asparagine	45.03	0.3409091
L-Aspartic acid	19.97	0.15015037
L-Cysteine	31.5	0.2603306
L-Glutamic Acid	22.1	0.15034014
L-Glutamine	219.2	1.5013698
L-Histidine hydrochloride-H <sub>2</sub> O	20.96	0.09980952
L-Hydroxyproline	19.7	0.15038168
L-Isoleucine	39.36	0.300458
L-Leucine	39.36	0.300458
L-Lysine hydrochloride	36.5	0.19945355
L-Methionine	14.9	0.099999994
L-Phenylalanine	16.5	0.1
L-Proline	17.3	0.15043478
L-Serine	26.3	0.25047618
L-Threonine	17.9	0.15042016
L-Tryptophan	3.1	0.015196078
L-Tyrosine-2Na·2H <sub>2</sub> O	26.1	0.1
L-Valine	17.6	0.15042736
<b>Vitamins</b>		
Ascorbic Acid	0.5	0.002840909
Choline Chloride	5	0.035714287
D-Biotin	0.2	8.20E-04
D-Pantothenic Acid (hemicalcium)	0.2	4.19E-04
Folic Acid	10	0.022675738
Niacinamide	0.5	0.00409836
Nicotinic Acid	0.5	0.004065041
p-Aminobenzoic Acid	1	0.00729927
Pyridoxal hydrochloride	0.5	0.002450981
Pyridoxine hydrochloride	0.5	0.002427185
Riboflavin	0.2	5.32E-04
Thiamine hydrochloride	0.2	5.93E-04
Vitamin B12	2	0.001476015
i-Inositol	36	0.2
<b>Inorganic Salts</b>		
Calcium Chloride (CaCl <sub>2</sub> ) (anhyd.)	100	0.901
Magnesium Sulfate (anhyd.)	97.6	0.813
Potassium Chloride (KCl)	400	5.333
Sodium Bicarbonate (NaHCO <sub>3</sub> )	2200	26.19
Sodium Chloride	6460	111.379
Sodium Phosphate monobasic (NaH <sub>2</sub> PO <sub>4</sub> ·H <sub>2</sub> O)	580	4.203
<b>Other Components</b>		
D-Glucose	3000	16.666
Glutathione (reduced)	0.5	0.001
Peptone	600	-
Phenol Red	10	0.026

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## Cell Culture Additives

In normal cell culture procedures, in addition to the liquid medium, serum is added to provide certain nutrients and growth factors to maintain normal cell growth. The typical addition ratio ranges from 5% to 20%. Serum is rich in various nutrients, growth hormones, and trace elements, making it an essential component in cell culture experiments.

All serum products from our company undergo strict quality control, including sterile collection, mixing, multiple 0.1 µm filtrations, and aliquoting. This ensures that the indicators promoting cell growth and proliferation exceed national standards, meeting the needs of various cell culture and antibody preparation experiments.

Cat. No.	Description	Volume
BL201A	<b>Fetal Bovine Serum, Premium</b>	100mL
BL205A	<b>Fetal Bovine Serum, Super</b>	500mL
BL205B		10×50mL
BL205C		50mL
BL1047A		500mL
BL1047B	<b>Fetal Bovine Serum, Super Premium</b>	10×50mL
BL1047C		50mL
BL1048A		500mL
BL209A	<b>Horse Serum</b>	100mL
BL210A	<b>Goat Serum</b>	100mL
BL1049A	<b>Porcine Serum</b>	100mL
BL1050A	<b>Chicken Serum</b>	100mL
BL1051A	<b>Donkey Serum</b>	100mL
BL1052A	<b>Rabbit Serum</b>	100mL
BL1053A	<b>Mouse Serum</b>	100mL

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## Comparison Table of Main Parameters of Serum

	Fetal Bovine Serum, Premium	Fetal Bovine Serum, Super	Fetal Bovine Serum, Super Premium	Newborn Calf Serum
Appearance	yellow to reddish brown liquid	yellow to reddish brown liquid	yellow to reddish brown liquid	yellow to reddish brown liquid
pH	7.0-8.2	7.0-8.2	7.0-8.5	7.0-8.5
Hemoglobin	≤ 0.02% (w/V)	≤ 0.02% (w/V)	≤ 0.02% (w/V)	≤ 0.02% (w/V)
Protein	3.5~5.0% (w/V)	3.5~5.0% (w/V)	3.5~5.0% (w/V)	3.5~5.0% (w/V)
Osmolality	250~310mOsmol/kg	250~310mOsmol/kg	250~310mOsmol/kg	250~310mOsmol/kg
Sterility Testing	No Growth Detected	No Growth Detected	No Growth Detected	No Growth Detected
Mycoplasma	Not Detected	Not Detected	Not Detected	Not Detected
Coliphage Testing	Not Detected	Not Detected	Not Detected	Not Detected
Endotoxin	≤ 10.0Eu/mL	≤ 10.0Eu/mL	≤ 10.0Eu/mL	≤ 10.0Eu/mL
Maximum cell growth concentration	≥ 2.0×10 <sup>5</sup> ↑/mL	≥ 1.0×10 <sup>6</sup> ↑/mL	≥ 1.5×10 <sup>6</sup> ↑/mL	≥ 1.5×10 <sup>6</sup> ↑/mL
Cell doubling time	≤ 22H	≤ 20H	≤ 16H	≤ 18H
Relative Cloning Efficiency(RCE)	≥ 80%	≥ 85%	≥ 88%	≥ 85%

## Buffer Solution

Balanced Salt Solutions (BSS) are frequently used in cell culture experiments to maintain structural and physiological integrity. They are used for washing, dilution, preservation, and reagent preparation. All products are dissolved in distilled water and tested using Limulus Amebocyte Lysate (LAL) for endotoxin levels (<1.0 EU/mL). Sterilized through 0.1 µm filtration and ready to use. Multiple formulations are available to meet diverse experimental needs.

Cat. No.	Description	Volume
BL302A	1×PBS (cell culture)	500mL
BL316A	10×PBS (cell culture)	500mL
BL310A	1×D-PBS	500mL
BL1108A	1×DPBS (Contains Ca, Mg)	500mL
BL1109A	10×DPBS (Contains no Ca, Mg)	500mL
BL559A	HBSS (Contains no Ca, Mg or phenol red)	500mL
BL560A	HBSS (Contains no Ca, Mg, Contains phenol red)	500mL
BL561A	HBSS ( Contains no phenol red.Contains Ca, Mg,)	500mL
BL562A	HBSS (Contains Ca, Mg, phenol red)	500mL
BL1110A	1×EBSS (Contains Ca, Mg, phenol red)	500mL
BL1111A	1×EBSS (Contains no Ca, Mg or phenol red)	500mL
BL1112A	10×EBSS (Contains Ca, Mg, phenol red)	500mL
BL1061A	HEPES	100mL
BL158A	0.9% SPSS sterile	500mL
BL112A	Ultrapure Water (Sterile)	100mL
BL112B		500mL
BL1847A	Sterilize dddH <sub>2</sub> O	1mL×10
BL1847B		1mL×100
BL1847C		500mL
BL1216A	10% Glucose solution, Sterile	100mL
BL1217A	20% Glucose solution, Sterile	100mL
BL1218A	50% Glucose solution, Sterile	100mL
BL556A	Poly-L-Lysine Solution (10×, 15-30)	10mL
BL1440A	Poly-L-Lysine Solution (10×, 3-7)	10mL
BL1441A	Poly-L-Lysine Solution (10×, 7-15)	10mL
BL1174A	Platelet diluent (counting fluid)	100mL
BL1175A	RBC diluent (counting fluid)	100mL
BL1224A	WBC Dilution (counting fluid)	100mL
BL1545A	Eosinophil Dilution (counting fluid)	100mL
BL1406A	Tyrode's Solution	500mL
BL1407A	Advanced Tyrode's Solution	500mL



## Antibiotics and Mycoplasma Removal Agents

Due to the complexity of experimental operations and environments, contamination is a concern during routine cell culture. Contaminants mainly include microorganisms and cross-contamination by other cell lines, with microorganisms being the primary concern. Common preventive measures include the addition of antibiotics to the medium and disinfection of the culture environment. The types and dosages of antibiotics generally require dose-response test to determine efficacy.

We offers a range of commonly used antibiotics and antifungal agents for cell culture, including penicillin, streptomycin, gentamicin, amphotericin, puromycin, mycoplasma removal agents, and microbicide. These can be selected based on specific cell types and experimental requirements.

Cat. No.	Description	Volume
BL505A	<b>Penicillin-Streptomycin Solution, 100X</b>	100mL
BL528A	<b>Puromycin Solution (10mg/ml)</b>	1mL
BL528B		5×1mL
BL140A	<b>Amphotericin B Solution (10mg/ml)</b>	5mL
BL140B		10mL
BL141A	<b>Penicillin-Streptomycin-Gentamicin Solution, 100X</b>	100mL
BL142A	<b>Penicillin-Streptomycin-Amphotericin B Solution, 100X</b>	100mL
BL1302A	<b>G418 Solution (50mg/mL)</b>	20mL
BL1303A	<b>Neomycin Sulfate Solution (50mg/mL)</b>	1mL
BL1881A	<b>Zeocin Solution (100mg/ml)</b>	1mL
BL1881B		5×1mL
BL1882A	<b>Blasticidin S Solution (10mg/ml)</b>	1mL
BL1882B		5×1mL
BL1883A	<b>Phleomycin Solution (20mg/ml)</b>	1mL
BL591A	<b>Mycoplasma Elimination Reagent (1000×)</b>	1mL
BL591B		5×1mL
BL1078A	<b>Microorganism Elimination Reagent for laboratory</b>	500mL
BL1079A	<b>Nabac Elimination Reagent</b>	400μL
BL1080A	<b>Microorganism Elimination Reagent for Incubator</b>	500mL
BL1081A	<b>Microorganism Elimination Reagent for Incubator Water Tray</b>	100mL
BL1082A	<b>Microorganism Elimination Reagent for Water Bath</b>	100mL



## Culture Medium Supplements

In various cell culture experiments, specific nutrients are sometimes added to optimize cell growth or induce desired effects.

**HAT/HT Medium Supplements** consist of Hypoxanthine, Aminopterin, and Thymidine. Normally, cells use two nucleotide synthesis pathways: de novo synthesis and salvage pathways. Aminopterin acts as a folic acid analog to block the de novo synthesis of purines and pyrimidines. Thus, only cells that can utilize the salvage pathway survive. These supplements are used for selecting specific cells, such as HPRT-deficient clones, monoclonal antibody (mAb) production, and luciferase (LUC)-based assays.

Cat. No.	Description	Volume
BL317A	HT Media Supplement (50×)	10mL
BL318A	HAT Media Supplement (50×)	10mL
BL1313A	HT Media Supplement Solution(50×)	10mL
BL1313B		10×10mL
BL1314A	HATMediaSupplement Solution(50×)	10mL
BL1314B		10×10mL

**B-27 and N-2 Supplements** are commonly used to support the survival and maturation of neurons. Neuronal cells are sensitive and fragile and prone to death during cultivation. Studies show N-2 promotes the survival, growth, and differentiation of post-mitotic neurons and suppresses non-neuronal cell growth. B-27 is particularly effective for long-term maintenance of neuronal cultures. Both play critical roles in neuronal culture.

Cat. No.	Description	Volume
BL319A	aB-27 Supplement, serum free (50×)	10mL
BL320A	N-2 Supplement (100×)	5mL
BL321A	aB-27 Supplement, serum free, without vitamin A (50×)	10mL

**L-Glutamine (L-Gln)**, also known as 2-amino-4-carbamoylbutyric acid, is an amide of glutamic acid and a coding amino acid in protein synthesis. It is a non-essential amino acid in mammals and can be synthesized from glucose. With a molecular weight of 161.15, it is widely used as a medium additive in mammalian cell culture. The dry powder and frozen solution are stable, but L-Glutamine degrades faster in liquid media. For optimal cell performance, fresh supplementation is recommended. Our product is a 200 mM solution, filtered through a 0.22 µm membrane for immediate use without additional sterilization.

Cat. No.	Description	Volume
BL549A	L -Glutamine (100X)	100mL

**Sodium Pyruvate** is a common additive in cell culture, often used alongside glucose as an alternative carbon source. It prevents lactic acid accumulation from glucose metabolism. It is also beneficial in clonal cultures, serum reduction, and mitigating phototoxicity from fluorescent substances.

Cat. No.	Description	Volume
BL1277A	Sodium Pyruvate Solution (100 mM)	100mL

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# Cell Culture Medium

**Non-Essential Amino Acids (NEAA)** is a mixture of seven non-essential amino acids (glycine, L-alanine, L-asparagine, L-aspartic acid, L-glutamic acid, L-proline, L-serine). NEAA reduces the metabolic burden of synthesizing these amino acids, promoting proliferation and viability. Typically used with MEM base medium, it can also be added to other media as needed. Supplied as a 100× concentrate, it should be diluted according to the culture medium volume.

Cat. No.	Description	Volume
BL1115A	Non-Essential Amino Acids (100×)	100mL

**ITS Supplement (Insulin-Transferrin-Selenium)** is a medium supplement that can significantly reduce the amount of fetal bovine serum required, commonly used in serum-free or low-serum systems. It can reduce serum usage from 10% to 2–4%. ITS-A adds sodium pyruvate, and ITS-X adds ethanolamine based on the original ITS formulation.

Cat. No.	Description	Volume
BL1886A	ITS Media Supplement (100X)	10mL
BL1887A	ITS-A Media Supplement (100X)	10mL
BL1888A	ITS-X Media Supplement (100X)	10mL

**Dexamethasone (CAS: 50-02-2)**, with a molecular weight of 392.5, is a glucocorticoid hormone. It impacts cell survival, signaling, and gene expression. Effects include inhibiting inducible nitric oxide synthase (IC<sub>50</sub> = 5 nM), stimulating Na-K pumps in smooth muscle cells, reducing cyclin A and Cdk2 activity, blocking G1/S cell cycle transition in osteoblasts, inhibiting Rb protein phosphorylation, and inducing apoptosis in human thymocytes. Our product is a 1 mg/mL ethanol solution, sterilized and ready for 100× dilution.

Cat. No.	Description	Volume
BL171A	Dexamethason Solution (100×, 1mg/ml)(100×, 1mg/mL)	10mL
BL171B		50mL

**LPS Solution (Lipopolysaccharide from E. coli 055:B5)** is a ready-to-use water solution. LPS is a hallmark component of gram-negative bacterial cell walls. Its lipid A portion stimulates the innate immune system via Toll-like receptor 4 (TLR4), which recognizes pathogen-associated molecular patterns (PAMPs). This product is used for in vitro activation of B cells, monocytes, macrophages, and other responsive cells.

Cat. No.	Description	Volume
BL1386A	LPS Solution, 1mg/ml	0.5mL

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