

PRODUCT MANUAL

# 产品手册

Bensheng (Tianjin) Health Technology Co., Ltd

## Business situation

Bensheng (Tianjin) Health Technology Co., Ltd. is composed of professionals with senior industry backgrounds and rich market experience, committed to providing high-quality products for the field of life science research and providing high-quality services for scientific researchers. There are over ten thousand types of products, widely used in scientific research institutions, central laboratories, molecular biology and other research fields.

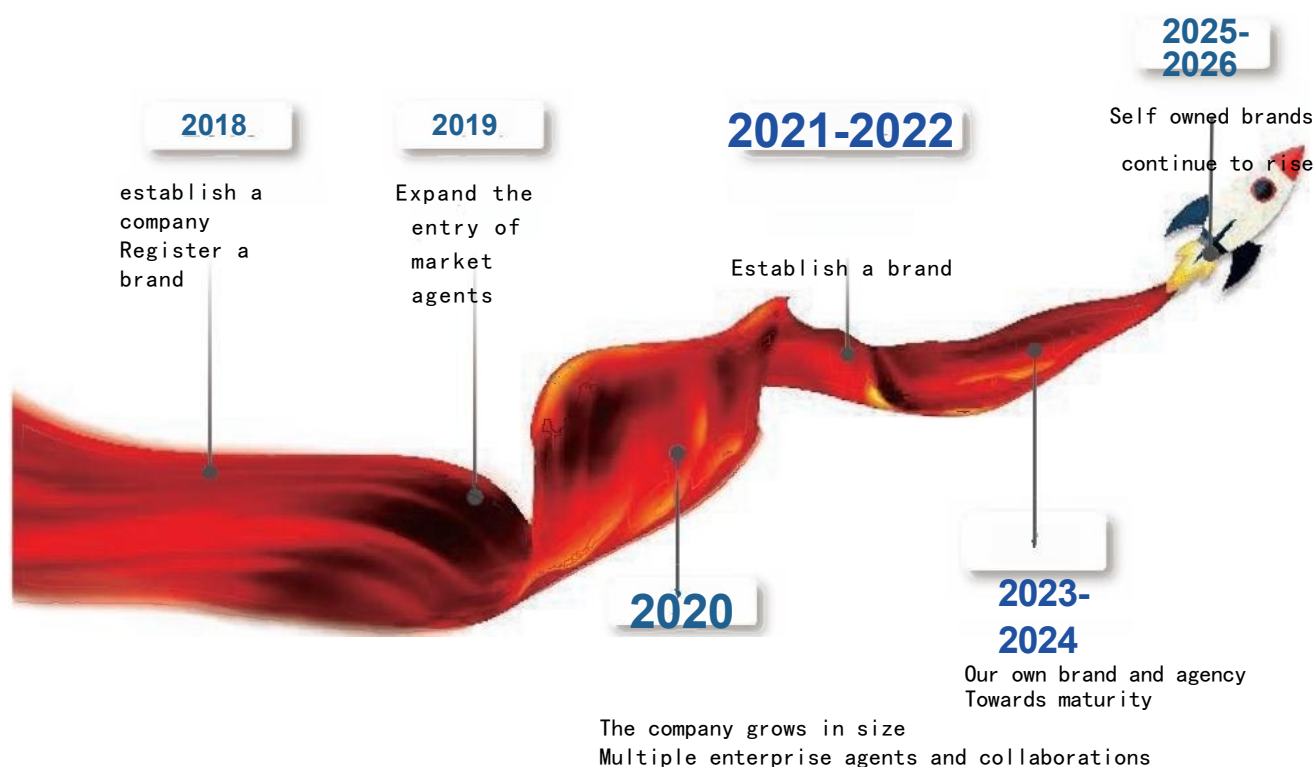
Satisfy the special requirements of R&D customers for product types and packaging, as well as the comprehensive needs of production-oriented enterprises at various stages from small-scale and pilot scale production

## involving products

The products include fluorescent quantitative PCR consumables (eight tube, single tube, 96 well plate, 384 well plate, sealing plate membrane, auxiliary device, etc.), instruments and equipment, ELISA kits, pipette tips, centrifuge tubes, cryovials, culture dishes, culture plates, culture bottles, tips, instruments and gloves, culture media, antibodies, serum, chromatography consumables, needle filters and laboratory commonly used consumables, biochemical consumables, antibodies, culture media, proteins, swabs, blood collection tubes, etc.



## Enterprise Development History



## Corporate Philosophy

I have always regarded quality control as the lifeblood of a company and pursued the continuous improvement of its competitiveness. The company always adheres to the corporate spirit of abiding by laws and regulations, being strict with oneself, being tolerant and willing to take on responsibilities as the standard in its operations. It maintains and expands the market with excellent quality and service, and maximizes the satisfaction of customer needs.

Our development goal is to achieve mutual benefit with our customers. This student! A partner you trust. We are willing to cooperate sincerely with you and create a better future together

**Integrity forges quality**

**Explore and lead the future**

## Enterprise Qualification Certification

■ Own independent brand  
BUNSEN

■ Medical enterprise  
authorized agent

■ Enterprise Credit  
Certification

■ Enterprise Credit  
Rating Certification



## Adapt to customers

- Hospital Laboratory PCR Laboratory
- Central Laboratory
- Liver Disease Center
- Third party testing institutions
- Research institutes
- Colleges and universities
- Pharmaceutical factory
- Reagent manufacturers
- Centers for Disease Control and Prevention, Inspection and Quarantine, etc



## brand collaboration



# 产品目录

01/ culture bottle

◆ 培养系列

03/PCRseries

◆ PCR系列

05/ Sealing film

◆ 封板膜

07/ Deep hole plate

◆ 深孔板

09/ Nut tube

◆ 螺帽管

02/suction head

◆ 吸头系列

04/ Pipette

◆ 移液管

06/ Centrifuge tube

◆ 离心管

08/ elisa test kit

◆ elisa试剂盒

10/ other products

◆ 更多其他



## Culture medium bottle

■ Material: PET/PETG

■ Specifications: 30ml/50ml/60ml  
125ml/250ml/500ml 1000ml/500ml

■ Triangle bottle, large mouth bottle,  
slanted mouth bottle

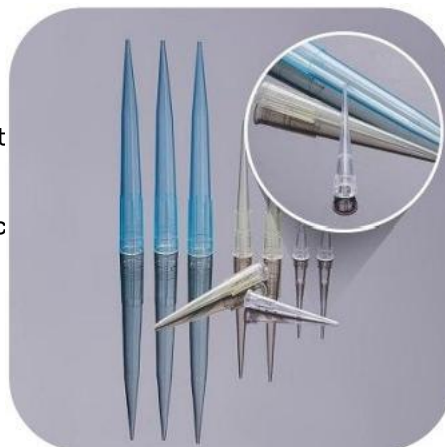
## Product Specifications

| PET square culture medium bottle body: PET bottle<br>cap: HDPE color: transparent |                                       |                                |
|-----------------------------------------------------------------------------------|---------------------------------------|--------------------------------|
| BST0050                                                                           | 50ml PET square culture medium bottle | 72 pieces/pack, 360 pieces/box |
| BST0050S                                                                          | 50ml PET triangular bottle            | 110 pieces/pack 440 pieces/box |
| BST0100                                                                           | 100ml PET large mouth bottle          | 25 pieces/pack 100 pieces/box  |
| BST0125                                                                           | 125ml PET culture medium bottle       |                                |
| BST0500                                                                           | 500ml PET culture medium bottle       | 24 pieces/pack 48 pieces/box   |
| BST0500X                                                                          | 500ml PET slant mouth bottle          | 25 pieces/pack 50 pieces/box   |
| BST0500D                                                                          | 500ml PET large mouth bottle          | 24 pieces/pack 48 pieces/box   |
| BST1000                                                                           | 1000ml PET culture medium bottle      |                                |

| PET G square culture medium bottle body: PET G bottle<br>cap: HDPE color: transparent |                                   |                                |
|---------------------------------------------------------------------------------------|-----------------------------------|--------------------------------|
| BSG0030                                                                               | 30ml PETG culture medium bottle   | 40 pieces/pack 400 pieces/box  |
| BSG0050                                                                               | 500ml PETG culture medium bottle  | 72 pieces/pack, 360 pieces/box |
| BSG0060                                                                               | 60ml PETG culture medium bottle   |                                |
| BSG0125                                                                               | 125ml PETG culture medium bottle  | 25 pieces/pack 100 pieces/box  |
| BSG0250                                                                               | 50ml PETG culture medium bottle   | 30 pieces/pack 60 pieces/box   |
| BSG0500                                                                               | 500ml PETG culture medium bottle  | 24 pieces/pack 48 pieces/box   |
| BSG1000                                                                               | 1000ml PETG culture medium bottle |                                |

## Product Specifications

- 10UL suction head, 10UL extended suction head, 200ul suction head, 200ul extended suction head
- Head, 1000ul suction head, 1250ul suction head, other specific



## Product Advantages

- Ensure that the product is free from heat sources, endotoxins, DNA enzymes, and RNA enzymes:
- Smooth inner wall, optimized aperture, ensuring smooth sample absorption, reducing liquid residue, and ensuring the accuracy of liquid absorption;
- It has good transparency and is convenient to observe the liquid level during use;
- Strong tolerance, can be used for the absorption of various organic solvents, and has good sealing properties;
- Compatibility matches most brands of single channel and multi-channel pipettes.



## Product Specifications

|             |                                                                                         |                                                                |
|-------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------|
| BS-50-S-L   | 50ul boxed filter cartridge suction head, elongated, enzyme free, heat free, sterilized | 96支/盒10盒/组, 5组/箱(4800支/箱)                                      |
| BS-10-S-L   | 10ul boxed filter cartridge suction head, elongated, enzyme free, heat free, sterilized | 96 pieces/box, 10 boxes/group, 5 groups/box (4800 pieces)/Box) |
| BS-20-S-L   | 20ul boxed filter cartridge suction head, elongated, enzyme free, heat free, sterilized |                                                                |
| BS-100-S-L  | 100ul boxed filter cartridge suction head, elongated                                    |                                                                |
| BS-200-S-L  | 200ul boxed filter cartridge suction head, elongated, enzyme free                       |                                                                |
| BS-1000-S-L | <u>1000ul boxed filter cartridge suction head, elongated, enzyme free,</u>              |                                                                |
| BS-10-SS    | 10ul bagged filter cartridge suction head                                               | 1000 pieces/pack, 10 packs/box                                 |
| BS-20-SS    | 20ul bagged filter cartridge suction head                                               |                                                                |
| BS-100-SS   | 100ul bagged filter cartridge suction head                                              |                                                                |
| BS-200-SS   | 200ul bagged filter cartridge suction head                                              |                                                                |
| BS-1000-SS  | 1000ul bagged filter cartridge suction head                                             |                                                                |





Half closed pipe  
cover  
Reserved vacuum hole  
opening

Liquid state

## PCR eight row sequencing

Clean polypropylene (PP) raw materials

The pipe wall is thin and the thickness is uniform

Good sealing to prevent contamination

## Product Specifications

| BS-PCR-081-C    | 0.1ml transparent PCR tube with eight tubes | 125 rows/box, 10 boxes/box |
|-----------------|---------------------------------------------|----------------------------|
| BS-PCR-081-M    | 0.1ml milky white PCR tube                  |                            |
| BS-PCR-082-C    | 0.2ml transparent PCR tube                  |                            |
| BS-PCR-082-M    | 0.2ml milky white PCR tube                  |                            |
| BS-PCR-96-F02-C | 0.2ml 96 well PCR reaction plate            | 10 yuan/box, 20 boxes/box  |



## PCR board

■ Clean polypropylene (PP) raw materials

■ Suitable for 0.1 and 0.2ml thermal cycling modules

■ No DNA enzyme, RNA enzyme, endotoxin



## Sampling pipe rack

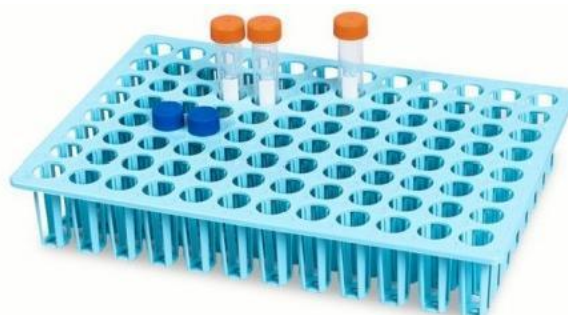
Material: Polypropylene (PP)

48 hole size: 280 × 215x55mm, aperture:  
25mm

96 hole size: 295x × 202x50mm, aperture:  
18mm

Easy to clean, lightweight and beautiful

Good chemical resistance, sturdy and durable



## Product Specifications

|             |                                                                                    |                       |
|-------------|------------------------------------------------------------------------------------|-----------------------|
| BS-96-PCR-G | 96 well sampling tube rack 18mm 96 well/piece 5ml 7ml<br>10ml sampling tube rack   | Pack one as<br>needed |
| BS-48-PCR-G | 48 hole sampling tube test tube rack 26mm 48<br>holes/20ml 30ml sampling tube rack |                       |

## Application Areas

- Mixing suspension with reagents and chemical solutions;
- Transfer cells for empirical analysis or amplification
- Layered reagents used to create higher density gradients;



## Precautions for use

- Serum pipettes are designed for use as blow out pipettes, with scales near the tip of the pipette and connected to rubber balls for blowing out excess solution using air or gravity.



## Product Specifications

|          |                                                |                             |
|----------|------------------------------------------------|-----------------------------|
| BS-1001  | 1ml serum pipette, yellow                      | 50支/袋, 20袋/箱                |
| BS-1002  | 2ml serum pipette, green                       | 50 pieces/bag, 20 bags/box  |
| BS-1005  | 5ml serum pipette, blue                        |                             |
| BS-1010W | 10ml serum pipette, orange color, welded joint |                             |
| BS-1010S | 10ml serum pipette, orange color, stretch port |                             |
| BS-1025  | 25ml serum pipette, red                        | 25 pieces/bag, 10 bags/box  |
| BS-1050  | 50ml serum pipette, purple                     | 25 pieces/bag, 8 bags/box5  |
| BS-1100  | 100ml serum pipette, black                     | 15 pieces/bag, 10 bags/box  |
| BS-0010M | 10ml serum pipette, Orange (new model)         | 50 pieces/box, 10 boxes/box |



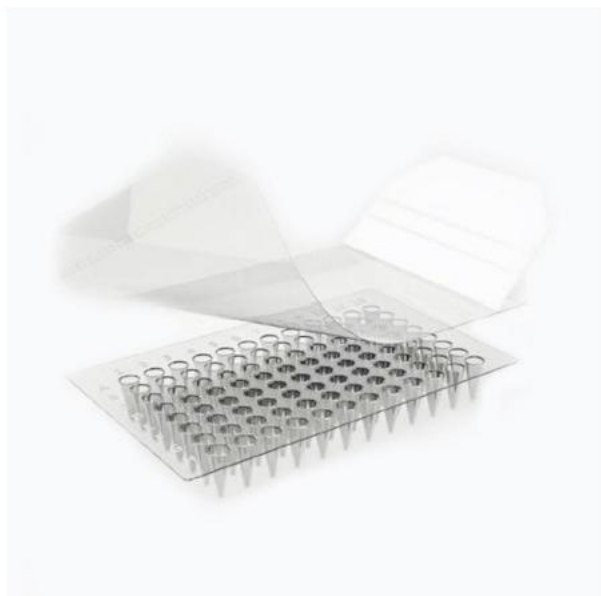
## Product Features

- The material is PP material that complies with USP-6 and does not contain any heavy metal ions
- RCF:30000xg
- The endotoxin content is less than 0.1EU
- Easy to puncture design of the tube cover, comfortable to open feeling
- Can withstand a temperature range of -80 °C to 120 °C
- No DNA enzyme, no RNA enzyme



## Product Specifications

|             |                                                                                                                                    |                                                                          |
|-------------|------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| BS-0150     | 1.5ml microcentrifuge tube<br>微量离心管，低吸附，防爆，无内毒素，无DNA/RNA                                                                           | 500个/盒10盒/箱                                                              |
| BS-0150-S   | 1.5ml microcentrifuge tube<br>1.5ml微量离心管，低吸附，防爆，无内毒素，无DNA/RNA，灭菌                                                                   | 500 pieces/box, 10 boxes/box                                             |
| BS-MCT020-S | 2.0ml microcentrifuge tube<br>2.0ml微量离心管 (MTC200) 低吸附，防爆，锥底，无内毒素，无DNA/RNA，灭菌                                                       |                                                                          |
| BS-0150-H   | 1.5ml microcentrifuge tube<br>1.5ml微量离心管，无内毒素，无DNA，无RNA，灭菌                                                                         |                                                                          |
| BS-015G     | 15ml upright centrifuge tube with pointed bottom, no DNA, no RNA, sterilized, short and chubby tube<br>15ml尖底自立离心管无DNA，无RNA，灭菌，矮胖管 | 200 pieces/pack, 5 packs/box (5 packs)<br>5 package covers for each tube |



## Product Specifications

- Base film PP special adhesive layer release film PET
- Thickness: The total thickness of the layer used is  $Um110 \pm 5$
- Release film white  $Um52 \pm 1$
- Transparent  $Um50 \pm 2$  substrate film
- Adhesive (before sealing)  $N/25mm0.3$
- Functional stickiness (sealed)  $N/25mm9.5$

## Product Features

- Light transmittance%  $\geq 92$ , high temperature resistance  $^{\circ}C \leq 100$   $^{\circ}C$ , low temperature resistance  $^{\circ}C \geq -70$   $^{\circ}C$

BS-PCR-M

Fluorescent quantitative qPCR sealing membrane

100 pieces/box, 50 boxes/box

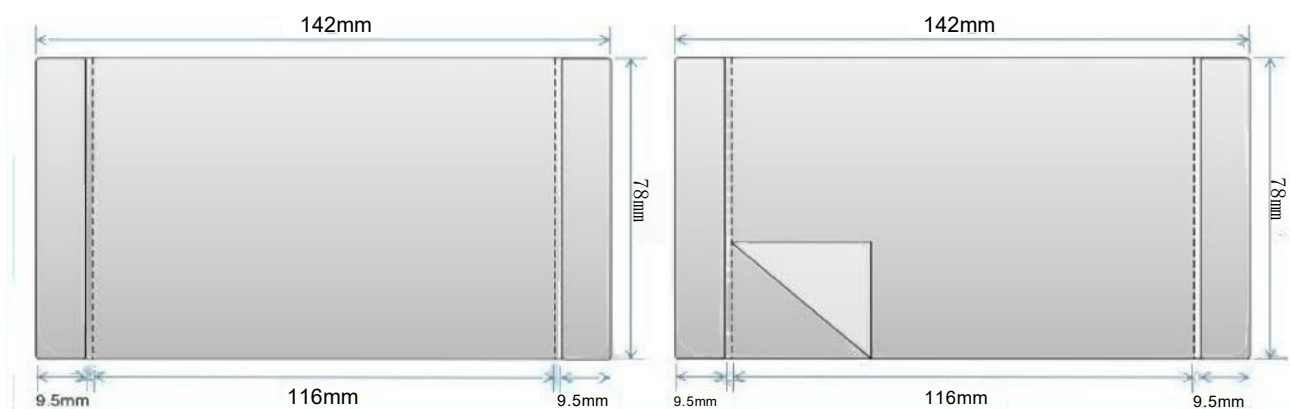
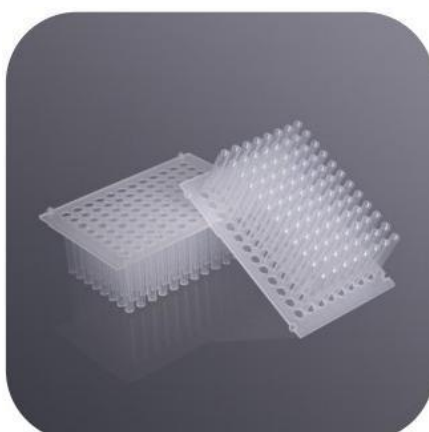


Figure 1 Schematic diagram of the sealing plate membrane used for fluorescence quantitative PCR. The left image is a schematic diagram before use, and the right image is a schematic diagram after partial tearing

## Product Features

■ 96 hole cone bottom/round bottom deep hole plate: has good stability, does not react chemically with solvents inside the plate, does not contain heavy metals, and has higher safety. Round bottom: capable of maximum freezing and refrigeration up to -80 degrees with minimal residual liquid and minimal wall hanging, meeting international standard size (SBS), suitable for automated workstations



## 产品规格

|             |                                                     |                           |
|-------------|-----------------------------------------------------|---------------------------|
| BS-96-2.2-V | 2.2ml96 square hole cone bottom deep hole plate     | 5 yuan/pack, 10 packs/box |
| BS-96-2.2-Y | 2.2ml96 square hole circular bottom deep hole plate |                           |
| BS-VY96-2.2 | Magnetic rod sleeve                                 | 10 yuan/pack 10 packs/box |

## Notes

- The magnetic rod sleeve, combined with the deep hole plate, is suitable for nucleic acid extraction on designated models of nucleic acid extraction machines. During the nucleic acid extraction experiment, it protects the magnetic rod from liquid separation and extends the service life of the magnetic rod.
- Through the up and down movement of the magnetic rod sleeve, the sample is mixed, lysed, bound, washed, and eluted in the corresponding magnetic bead reagents.

## Product Features

- No DNA enzyme, no RNA enzyme.  
Good sealing to prevent evaporation.
- Polypropylene material (PP).
- The integrated design of the cover gasket effectively reduces the risk of contamination during storage.
- Disposable.



## Product Specifications

|                |                                           |                            |
|----------------|-------------------------------------------|----------------------------|
| BS-SCT-0105    | 1.5ml SCT sample storage tube             | 500 pieces/bag, 5 bags/box |
| BS-SCT-020     | 2.0ml SCT sample storage tube             |                            |
| BS-SCT-01502-G | 1.5ml&2.0ml SCT sample storage tube cover |                            |



## Product Features

- Safety, stability, results, convenience
- Nourishing balance
- Tolerate  $-196^{\circ}\text{C} \sim 121^{\circ}\text{C}$ , safe storage under liquid nitrogen gas phase conditions
- Pre installed identification code at the bottom of the pipe
- Pre installed QR code and clear code at the bottom of SBS tube, 100% clear and readable;
- International standard DATAMATRIX QR code laser etching,
- Resistant to organic solvents such as DMSO, wear-resistant and non shedding



## Product Specifications

|           |                                            |                                          |
|-----------|--------------------------------------------|------------------------------------------|
| BS-711011 | 1.0ml freezer tube with three codes in one | 96pcs/盒10盒/层5层/箱                         |
| BS-711911 | 1.9ml freezer tube with three codes in one | 48pcs/box, 10 boxes/layer, 5 layers/box  |
| BS-731911 | 1.9ml freezer tube with three codes in one | 100pcs/box, 10 boxes/layer, 5 layers/box |
| BS-741511 | 1.5ml freezer tube with three codes in one | 48pcs/box, 10 boxes/layer, 5 layers/box  |
| BS-744011 | 4.0ml freezer tube with three codes in one |                                          |

## Product Advantages

- Name: Culture dish
- Material: Polystyrene material
- Color: Transparent
- Specification: 35/60/100/150MM
- Purpose: Suitable for laboratory inoculation, streaking, and bacterial isolation operations, and can be used for the cultivation of plant materials



## Product Specifications

| BS16014-1EGD | 150 * 15mm culture dish                     | 10个/包, 180个/箱                  |
|--------------|---------------------------------------------|--------------------------------|
| BS16001-1E   | 90*15mm culture dish                        | 10 pieces/pack, 500 pieces/box |
| BS16003-1E   | 90*20mm culture dish                        | 15 pieces/pack, 375 pieces/box |
| BS16013-1E   | 130*130mm square culture dish               | 1 piece/pack, 150 pieces/box   |
| BS16001-5E   | 90 * 15 culture dish (machine culture dish) | 10 pieces/pack, 500 pieces/box |
| BS16005-1E   | 90*15 culture dish, Binary grid             |                                |
| BS16006-1E   | 90*15 culture dish, three-part division     |                                |



## Product Features

The BUNSEN native ELISA kit is a highly sensitive, specific, and reproducible experimental method. Due to its stable reagents, easy storage, simple operation, and objective result judgment, as well as its suitability for large-scale screening experiments and detection of small amounts of specimens, it can be used for both qualitative and quantitative analysis. It has been widely used in fields such as microbiology, parasitology, oncology, and cytokines.

## Testing Scope

- Species detected: human, mouse, guinea pig, rabbit, pig, dog, cow, sheep, chicken, duck, monkey ELISA kit and other species.
- Detection range: 20  $\mu$  g/L to 400  $\mu$  g/L
- Detection methods: one-step method, sandwich method, enzyme-linked immunosorbent assay, etc



## Storage conditions and expiration date

- Kit storage: 2-8  $^{\circ}$ C
- Validity period: 6 months
- This type of product is only used for scientific research experiments and cannot be applied in clinical practice



## Sharp bottomed vertical centrifuge tube

- Color: Transparent
- Material: Bottle Body (PP)/Bottle Cap (HDPE/PP)
- Capacity: 1.5ml
- Bottle mouth diameter: 30mm
- Bottle diameter: 36mm
- Height: 64mm
- Weight: 10.2g



## Defined FBS

- Suitable for cultivating delicate cells



## Newborn bovine serum

- Suitable for the cultivation of conventional cells



## Characterized NBS

- Suitable for diagnostic reagent production and virus cultivation.

|          |                      |             |
|----------|----------------------|-------------|
| BS8002   | Newborn bovine serum | 500m/bottle |
| BS800820 | Defined FBS          |             |
| BS800821 | Characterized FBS    |             |

## Product Category

- Injection chromatography bottle
- Inner liner bottle
- Fusion bottle

## Product Specifications

- 1.5/2.0/5.0/10/20/15/18/25ml



## Drip bottle product details



| model    | Product Name                  | Packaging specification |
|----------|-------------------------------|-------------------------|
| BS-0010D | 10ml white cap dropper bottle | 200 pieces/pack         |

## Details of penicillin bottles

| model       | Product Name                                 | Packaging specification      |
|-------------|----------------------------------------------|------------------------------|
| BS-D07      | Low borosilicate 7ML penicillin bottle       | 1596 pieces/box              |
| BS-D0702LBG | 20MM easy to tear aluminum-plastic cover     | 10000 pieces/box             |
| BS-D0702JS  | 20MM double rubber plug                      | 8000 pieces/box              |
| BS-D03      | 3ml penicillin bottle (sodium calcium brown) | 100 pieces/box, 30 boxes/box |
| BS-D013R    | 13-425 red solid cover (with PE gasket)      |                              |
| BS-D013W    | 13-425 white solid cover (with PE gasket)    |                              |
| BS-D013B    | 13-425 black solid cover (with PE gasket)    |                              |

## Pasteur pipette

- Low density polyethylene (LDPE) material
- Graduated, individually packaged
- Ethylene oxide sterilization
- Smooth and transparent
- Cannot undergo high-temperature and high-pressure sterilization treatment



|          |                                           |                               |
|----------|-------------------------------------------|-------------------------------|
| BS-Y1001 | 1mL Pasteur straw, individually packaged  | 500 pieces/box, 4 boxes/box   |
| BS-Y1003 | 3mL Pasteur straw, individually packaged  |                               |
| BS-Y1005 | 5mL Pasteur straw, individually packaged  | 500 pieces/pack, 10 packs/box |
| BS-Y1010 | 10mL Pasteur straw, individually packaged |                               |

## shaking flask

- Made of polycarbonate PC material

High transparency,

Can withstand high temperatures up to 121 °C

The outer wall scale is clear and accurate, making it easy to observe

- Breathable cover, breathable film

Individually Packaged



|           |                                                     |                          |
|-----------|-----------------------------------------------------|--------------------------|
| BS-810125 | 125ml triangular shaker bottle with breathable cap  | 1 piece/bag, 50 bags/box |
| BS-810250 | 250ml triangular shaker bottle with breathable cap  |                          |
| BS-810500 | 500ml triangular shaker bottle with breathable cap  | 1 piece/bag 25 bags/box  |
| BS-811000 | 1000ml triangular shaker bottle with breathable cap |                          |

## Experimental small instrument 验小仪器

- Magnetic stirrer&overhead stirrer
- Vortex mixer&rotary mixer&roller mixer
- Track type shaker
- Mini centrifuge&centrifuge
- vacuum pump
- Pipette&Gun Rack
- Electronic balance&analytical balance Moisture analyzer
- Infrared inoculation ring sterilizer
- Digital constant temperature water bath
- Constant temperature metal bath&mini metal bath&oscillating metal bath&sleeve



HEATING MANTLE



Mun Tube Vortex Moerer



pipette



## Other products

- Cell lysate and protein sample electrophoresis
- Protein quantification related reagents
- Film transfer&secondary antibody
- Immunohistochemistry related reagents
- Chromogenic/luminescent reagents&staining solution
- Ready to use reagent kit
- DNA extraction reagent&DNA electrophoresis
- Nucleic acid solution
- PCR related reagents
- Buffer&Cell Culture&WB Reagent





## 本生(天津)健康科技有限公司

**BenSheng(Tian Jin)Health Technology Co.,Ltd**

地址：中国·天津市武清京津产业新城新材料和高端装备产业园

Tianjin Wuqing Jingjin Industrial New City New  
Materials and High end Equipment Industrial Park,  
China

tel: 18502669006

email : bunsen17@163.com

url : [www.bensenbio.com](http://www.bensenbio.com)

