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贝兰伯



Bioland Product Catalog

贝兰伯产品手册

Zhejiang Bioland Biotechnology Co., LTD

With the core technology of the global industry standard, Bioland Biotechnology is trusted by the experts of the dedicated biotechnology industry, who are striving for a better life and making a difference to human life by using the advanced products of Bioland Biotechnology.

As a leading manufacturer and exporter of laboratory plastic products in China, Bioland has been committed to producing high-quality products that meet standards in the life sciences sector since its establishment in 2020. Bioland is a supplier/manufacturer of products that fully meet the requirements of international regulations and has a group of young and enthusiastic technical experts who have been dedicated to research and development, quality maintenance.

Bioland Biotechnology draws on the founding team's more than 20 years of experience in the life sciences industry to understand the application requirements of its customers and do its best to meet their needs for the latest life sciences technologies. Through aggressive R&D investments, we are committed to providing innovative solutions in a wide range of fields.

Sterility

The sterility of Bioland products is fully validated and qualified to be in compliance with ISO 11137-1 regulatory requirements that includes the routine control of sterilization process. Randomized selection, examination and monitoring ensures the overall process and products, labeled as sterile, are within the predetermined limits with an SAL (Sterility Assurance Level) of 10^{-6} .

Non-cytotoxic

The cytotoxicity of Bioland products is routinely tested according to the principles of the MEM Elution, described by the ISO guidelines.

Non-pyrogenic

Endotoxin level of Bioland products are tested according to the principles of the LAL (Limulus Amoebocyte Lysate) test, described in the FDA guidelines for medical products, and certified to be non-pyrogenic with a documented endotoxin level of less than 0.05 EU/ml.

DNase/RNase-free

Bioland products are routinely tested according to the Standard Operating Procedure of Bioland Life Sciences and certified to be less than 1×10^6 Kunitz units for DNase, 1×10^6 Kunitz units for RNase.

Human DNA-free

The human DNA of Bioland products are routinely tested according to the Standard Operating Procedure of Bioland, and certified to be less than 2 pg for human DNA.

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CE ISO 9001 ISO 13485



ABOUT BIOLAND

Bioland Biotechnology is an excellent partner in global pharmaceutical, biotechnology, and pharmaceutical research and development, Bioconsumables used in biotechnology research and production, helping customers develop and launch innovative biological drugs to serve human health. To achieve this mission, we combine advanced production and manufacturing, scientific and professional technology, excellent production processes, and technological insights. To meet the application needs of more customers, Bioland has developed and improved its life consumables product line.

Bioland is located at the bank of the Taihu Lake- Changxing National Economic Development Zone, Zhejiang Province. The company has obtained the certification of "National High tech Enterprise" and the certification of ISO9001-2015 and ISO13485-2016. Bioland products can be used in GMP workshops, and have been automated in 10000/100000 level dust-free workshops. The quality standards are in line with world famous brands.

Bioland's main products include: cell culture; IVD/PCR testing consumables; Molecular detection Micropipette series ; Diagnostic reagents packaging supplies; Centrifugal filtration products; Nucleic acid extraction series products; Microbial testing; Featured customized products: Widely used in hospitals, universities, research institutes, biopharmaceuticals, vaccines, antigens, medical aesthetics, stem cells, CDMO, CXO, microbiological analysis and other applied biological research and development production fields.

Coming From China, Marketing To The World.

CERTIFICATE OF HONOR



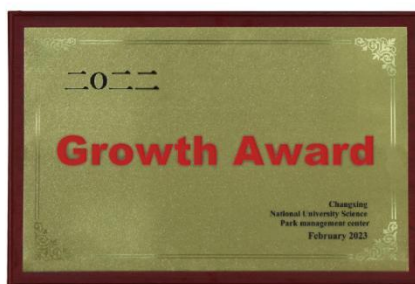
ISO 9001 : 2015



ISO 13485 : 2016



High-tech Enterprise Certificate



Growth Award



"Double Innovation" Demonstration Enterprise

Coming From China,
Marketing To The World.

BIOLAND

PCR Consumables



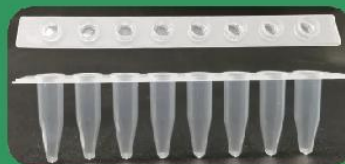
Applications: gene expression, mutation, medicine, forensic science and applied science, gene detection, methylation analysis, cloning, sequencing

Wide range of applications
Traditional link design



Cover connection design
Can effectively prevent cross-contamination
and ensure the safety of the experiment

EW format design,
high overall flatness,
more convenient to open
and close



Bioland™ PCR Consumables

Bioland PCR consumables are made of 100% virgin polypropylene.

The thin-wall designed for effective thermal conductivity and ensures efficient PCR reaction.

The tight sealing between the tube and cap ensure minimal evaporation and prevents sample leakages.

High side holes ensure consistent sealing. Convenient positioning of each hole.

The Pcr cap is provided in 2 different forms: flat and dome, Flat type is useful when labeling is required ,while dome type prevents the reaction solution from binding to the cap surface, Provided single pcr tube with a cap attached, and strip tubes, composed of 8 bodies and 8 caps connected horizontally.

RNase/DNase-free、Human DNA-free、Non-pyrogenic、Non-cytotoxic.



PCR Single Tube



PCR Strip Tube



PCR Plate

Bioland™ PCR tube

Order number	Description	Package
PCR001-F	PCR Single Tube; 0.1ml; Flat; Clear	1000EA/Pk; 10Pk/Cs
PCR001-FF	PCR Single Tube; 0.1ml; Flat; Matte	1000EA/Pk; 10Pk/Cs
PCR001-C	PCR Single Tube; 0.1ml; Dome; Clear	1000EA/Pk; 10Pk/Cs
PCR002-F	PCR Single Tube; 0.2ml; Flat; Clear	1000EA/Pk; 10Pk/Cs
PCR002-C	PCR Single Tube; 0.2ml; Dome; Clear	1000EA/Pk; 10Pk/Cs
PCR005-F	PCR Single Tube; 0.5ml; Flat; Clear	1000EA/Pk; 10Pk/Cs

Bioland™ PCR 8-Strips Tube

Order number	Description	Package
PCR001-8F	Pcr 8 strips tube; 0.1ml; Flat; Clear	125strip/Pk; 10Pk/Cs
PCR001-8C	Pcr 8 strips tube; 0.1ml; Dome; Clear	125strip/Pk; 10Pk/Cs
PCR001-8FD	Pcr 8 strips tube; 0.1 ml; Connecting cap; Matte	125strip/Pk; 10Pk/Cs
PCR001-8FW	Pcr 8 strips tube; 0.1ml; Flat; White	125strip/Pk; 10Pk/Cs
PCR002-8F	Pcr 8 strips tube; 0.2ml; Flat; Clear	125strip/Pk; 10Pk/Cs
PCR002-8C	Pcr 8 strips tube; 0.2ml; Dome; Clear	125strip/Pk; 10Pk/Cs
PCR002-8FD	Pcr 8 strips tube; 0.2ml; Connecting cap; Clear	125strip/Pk; 10Pk/Cs
PCR002-8FW	Pcr 8 strips tube; 0.2ml; Flat; White	125strip/Pk; 10Pk/Cs
PCR002-08-96	Pcr 8 strips tube; Detachable; 0.2ml; Flat; Clear	125strip/Pk; 10Pk/Cs

Bioland™ PCR Plate

Order number	Description	Package
PCR001-96	96-well, 0.1ml; No skirt; Clear	15/PK; 150/Cs
PCR001-96W	96-well, 0.1ml; No skirt; White	15/PK; 150/Cs
PCR001-96S	96-well, 0.1ml; Half skirt; Clear	15/PK; 150/Cs
PCR001-96SW	96-well, 0.1ml; Half skirt; White	15/PK; 150/Cs
PCR002-96	96-well, 0.2ml; No skirt; Clear	10/PK; 100/Cs
PCR002-96W	96-well, 0.2ml; No skirt; White	10/PK; 100/Cs
PCR002-96S	96-well, 0.2ml; Half skirt; Clear	10/PK; 100/Cs
PCR002-96SW	96-well, 0.2ml; Half skirt; White	10/PK; 100/Cs
PCR001-96C	96-well, 0.1ml; Clear; Full skirt	15/PK; 150/Cs

PCR001-96CW	96-well, 0.1ml; White; Full skirt	15/PK; 150/Cs
PCR001-96P	96-well, 0.1ml; Clear; Full skirt, enhancement	15/PK; 150/Cs
PCR001-96PW	96-well, 0.1ml; White; Full skirt enhancement	15/PK; 150/Cs
PCR001-384S	384 well plate; 25ul; With skirt; scrub	15/PK; 150/Cs
PCR001-384SW	PCR 384 well plate; 25ul; With skirt; white	15/PK; 150/Cs

Bioland™ PCR 96-well plate

Suitable for ABI QPCR models

310 Genetic Analyzer, 3130xl Genetic Analyzer, 3500xl Dx Genetic Analyzer, 3730xl DNA Analyzer, 7500 Fast System, 7900HT Fast System, StepOnePlus™, Veriti Dx Fast Thermal Cycler, Veriti Fast Thermal Cycler, 3730 DNA Analyzer, 3130 Genetic Analyzer, 3500 Dx Genetic Analyzer, 7500 Fast Dx System, ViiA™ 7Dx Fast System, ViiA™ 7 Fast System, 3500 Genetic Analyzer, 3500xl Genetic Analyzer



Order number	Description	Package
QPCR001-96S	0.1ml; Half skirt; Frosted, suitable for QPCR	15 pieces/box; 10Pk/Cs
QPCR001-96SW	0.1ml; Half skirt; White, suitable for QPCR	15 pieces/box; 10Pk/Cs
QPCR002-96S	0.2ml; Half skirt; Clear, suitable for QPCR	10 pieces/box; 10Pk/Cs
QPCR002-96SW	0.2ml; Half skirt; White, suitable for QPCR	10 pieces/box; 10Pk/Cs

Bioland™ New EW PCR 8- Strips tubes

the latest launch EW designed PCR 8-tube strip,

Easier opening and closing

Easy to open

No liquid splashing

Ensures experimental safety effectively

RNase/DNase-free

Human DNA-free

Non-pyrogenic

Non-cytotoxic



Order number	Description	Package
PCR001N-8F	0.1ml; Flat; Clear	125strip/Pk; 10Pk/Cs
PCR001N-8FW	0.1ml; Flat; White	125strip/Pk; 10Pk/Cs
PCR002N-8F	0.2ml; Flat; Clear	125strip/Pk; 10Pk/Cs
PCR002N-8FW	0.2ml; Flat; White	125strip/Pk; 10Pk/Cs

Bioland™ New EW PCR 12-Strips tubes

the latest launch EW designed PCR 12-tubes strip,

Easier opening and closing

Easy to open

No liquid splashing

Ensures experimental safety effectively

RNase/DNase-free

Human DNA-free

Non-pyrogenic

Non-cytotoxic



Order number	Description	Package
PCR001N-12F	0.1ml; Flat; Clear	125strip/Pk; 10Pk/Cs
PCR001N-12FW	0.1ml; Flat; White	125strip/Pk; 10Pk/Cs
PCR002N-12F	0.2ml; Flat; Clear	125strip/Pk; 10Pk/Cs
PCR002N-12FW	0.2ml; Flat; White	125strip/Pk; 10Pk/Cs

Bioland™ PCR 8-StripsTube Rack

Suitable for most PCR 8-Strip tubes

Order NO.	Description	Package
CF08-96	8-StripsTube Rack ; 96well	100Pcs/Cs



Bioland™ PCR Self-adhesive sealing plate film

- Clear Adhesive Film creates a secure seal across the entire microplate to prevent evaporation and well-to-well contamination.
- Adhesive provides tight seal over wells to prevent leaks and evaporation.
- Easy to apply and remove.
- The high resolution allows for optical analysis during the real-time PCR process
- Temperature range: -70~100°C
- For general analysis, genomics, storage and bioanalysis, high-throughput screening, and drug discovery



Order NO.	Description	Package
CPM04-65A	Sealing film; lengthx Width: 136x80mm; thickness: 65um	100 片/包
CPM04-65B	Pressure sensitive film; lengthx Width: 143x79mm; thickness: 65um	100 片/包
CPM04-65C	Pressure sensitive film; lengthx Width: 143x79mm; thickness: 65um sterile	100 片/包

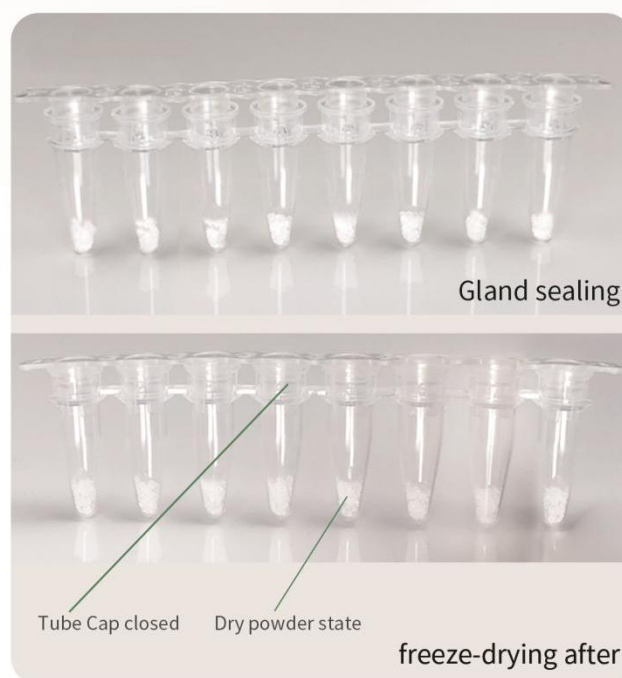
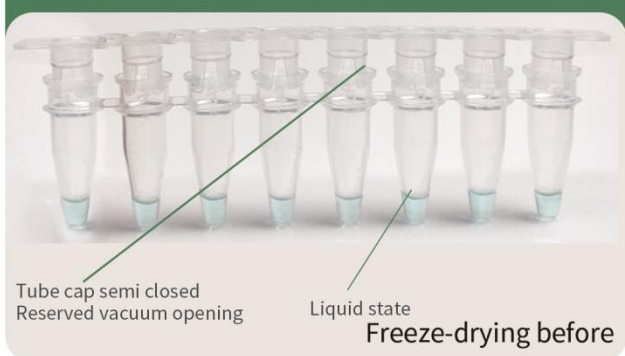
8 strips Freeze drying tube



Product Description

The PCR freeze-drying tube developed by Bioland can be used for the cryopreservation of reagents. Solved the problem of transmission. The harsh conditions required for storage of liquid reagents. Customers can freeze dry the reagents and pre-buried in the PCR 8 pipeline. More convenient to use, ready to use when opened.

Can be used for freeze-drying of liquid reagents
Simultaneously capable of meeting PCR reactions and compatible with multiple fluorescence quantitative PCR instruments
The thin-walled design endows the tube with good heat transfer performance, ensuring efficient PCR reaction
Top with optical window, suitable for fluorescence quantitative PCR applications
RNase/DNase-free, Human DNA-free, Non-pyrogenic, Non-cytotoxic.



Order NO.	Description	Package
FD002-8	8-strips Freeze drying tube , PP , 0.2ml; with cap	100 stes/Pk;10pk/Cs
FD002-8P	8-strips Freeze drying tube , PP , 0.2ml; without cap	100 strips/PK;10Pk/Cs
FD002-8C	8-strips Freeze drying tube caps , PP , 0.2ml; with body	100 strips/PK;10Pk/Cs

Consumables For Cell Culture



Applications: cytology, genetics, immunology, experimental medicine, oncology, biomolecules, monoclonal antibody, genetic engineering, vaccines, stem cells, cells

**Bioland™ Consumables For
Cell Culture**

Bioland™ Cell culture Flask

No dead end bottleneck design, greatly ensure the harvest without residue.

The rectangular and trapezoidal bottom design makes our bottles smaller.

The cover plate welded by ultrasonic is strong and leak-proof, and there is no metal element precipitation in the adhesive.

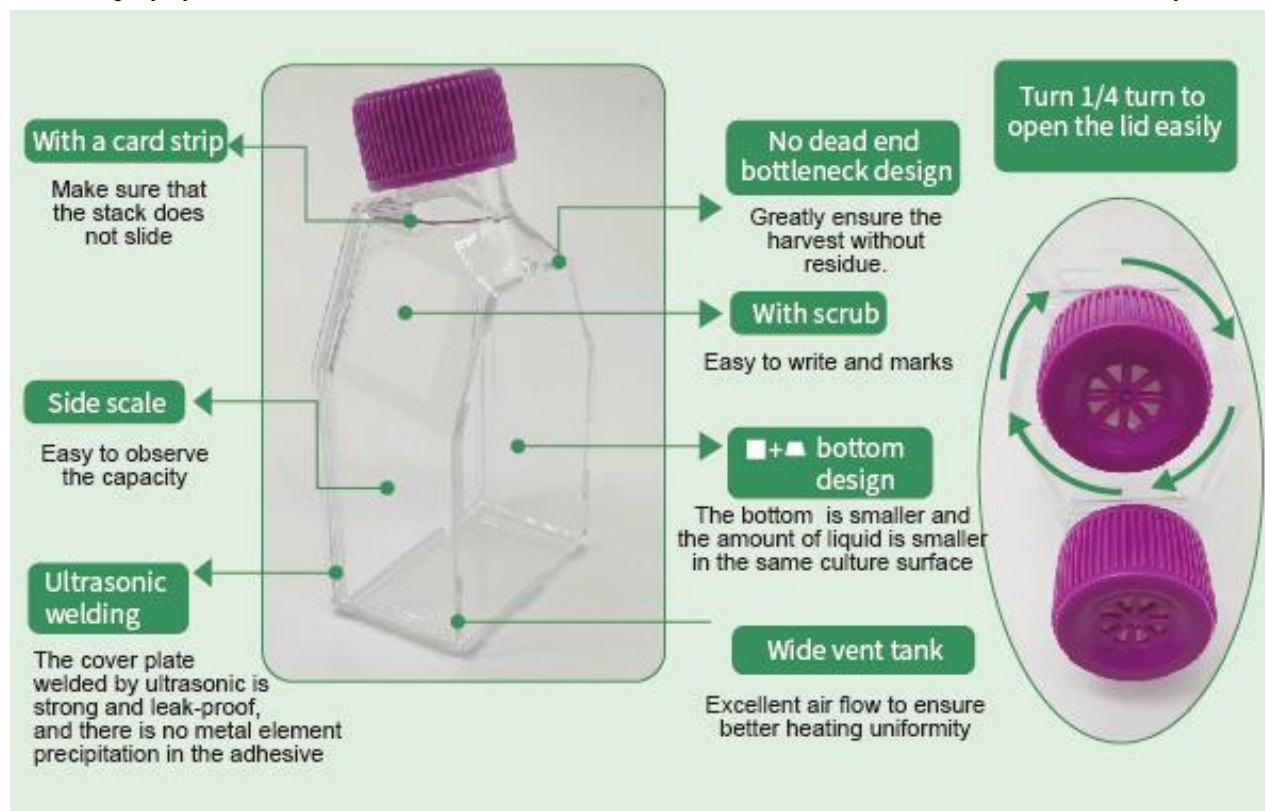
Wide vent tank, improve air flow to ensure heat uniformity.

25cm² for cell resuscitation and small scale expansion;

75cm² suitable for most cell expansion;

175cm² is suitable for eukaryotic protein expression and packaging of viruses.

- Special surface treatment, better wall adhesion effect, more uniform
- The upward-sloping neck design allows easier access to pipettes or cell scrapers/scoops
- Irradiation sterilization
- Made of polystyrene
- RNase/DNase-free
- Human DNA-free
- Non-pyrogenic
- Non-cytotoxic



Order number	Description	Package
CCB06-025	25cm ² ; Filter membrane cover; Easy to stick wall; Recommended working volume: 5-7ml Full capacity: 71ml Maximum lying capacity: 16ml	12/PK; 240/Cs
CCB06-025S	25cm ² ; Seal cover; Easy to stick wall; Recommended working volume: 5-7ml Full capacity: 71ml Maximum lying capacity: 16ml	12/PK; 240/Cs
CCB06-075	75cm ² ; Filter membrane cover; Easy to stick wall; Recommended working volume: 15-25ml Full capacity: 254ml Maximum lying capacity: 70ml	5/PK; 100/Cs
CCB06-075S	75cm ² ; Seal cover; Easy to stick wall; Recommended working volume: 15-25ml Full capacity: 254ml Maximum lying capacity: 70ml	5/PK; 100/Cs
CCB06-175	175cm ² ; Filter membrane cover; Easy to stick wall; Recommended working volume: 45-55ml Full capacity: 635ml Maximum lying capacity: 210ml	5/PK; 40/Cs
CCB06-175S	175cm ² ; Seal cover; Easy to stick wall; Recommended working volume: 45-55ml Full capacity: 635ml Maximum lying capacity: 210ml	5/PK; 40/Cs
CCB06-225	225cm ² ; Filter membrane cover; Easy to stick wall; Recommended working volume: 60-75ml Full capacity: 825ml Maximum lying capacity: 300ml	5/PK; 30/Cs
CCB06-225S	225cm ² ; Seal cover; Easy to stick wall; Recommended working volume: 60-75ml Full capacity: 825ml Maximum lying capacity: 300ml	5/PK; 30/Cs

Bioland™ Cell Culture Plate

Each well is marked with a number and a letter for easy location. One end of the cap has two bevel guides to prevent cross contamination. The low volatilization tank around the hole can effectively reduce the liquid evaporation in the hole. Increased hole edges greatly reduce the risk of cross-contamination.

The innovative cover edge diversion design greatly improves the air flow exchange in the board

Special surface treatment, better wall adhesion effect, more uniform

6 Well, 12 Well, 24 Well, 48 Well, 96 Well available

The bottom thickness is uniform and flat

irradiation sterilization

RNase/DNase-free

Human DNA-free

Non-pyrogenic

Non-cytotoxic



Ventilation Diversion Design

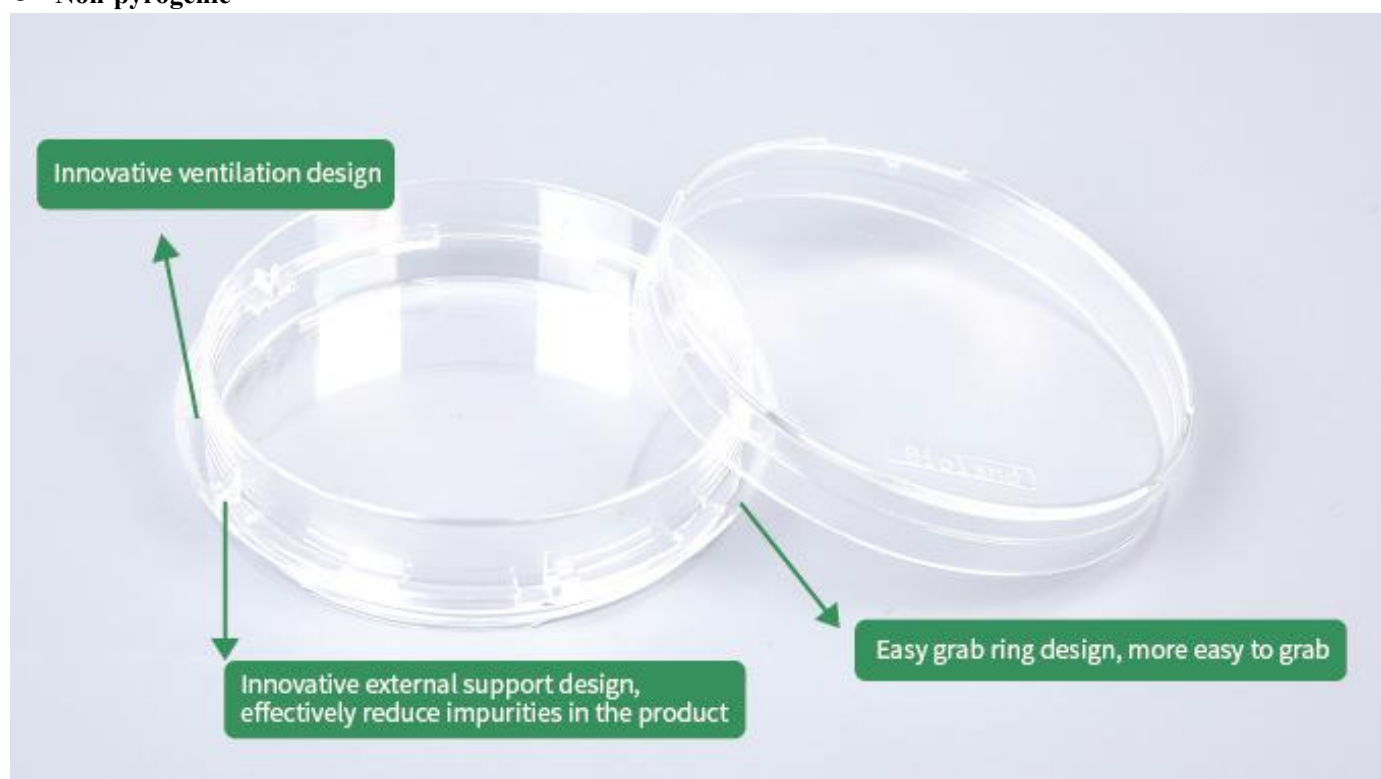


External Support Design

Order number	Description	Package
CCP06-006	6 Well; Clear; TC-treat	1 / pack; 50 pieces/Cs
CCP06-012	12 Well; Clear; TC-treat	1 / pack; 50 pieces/Cs
CCP06-024	24 Well; Clear; TC-treat	1 / pack; 50 pieces/Cs
CCP06-048	48 Well; Clear; TC-treat	1 / pack; 50 pieces/Cs
CCP06-096	96 Well; Clear; TC-treat	1 / pack; 50 pieces/Cs
CCP06-096W	96 Well; White ; TC-treat	1 / pack; 50 pieces/Cs
CCP06-096S	96 Well; Black; TC-treat	1 / pack; 50 pieces/Cs
CCP06N-096W	Inspection Plate,96 Well; White ; TC Non-treat	1 / pack; 50 pieces/Cs
CCP06N-096S	Inspection Plate,96 Well; Black ; TC Non-treat	1 / pack; 50 pieces/Cs

Bioland™ Cell Culture Dish

- Innovative design of cell culture dishes improved the guarantee of experimental results. At the same time, it brings more comfortable feeling in use
- Innovative external support design reduces the risk of impurities from wear falling into the dish
- Innovative easy-to-grab design effectively avoids the risk of the bottom dish not holding or falling when picking
- easy to grab ring opening design, so that the air is more smooth, the air in the dish can get excellent exchange
- Special surface treatment, better wall adhesion effect, more uniform
- flat and Clear for microscopic observation
- The bottom thickness is uniform and flat
- irradiation sterilization
- **RNase/DNase-free**
- **Human DNA-free**
- **Non-pyrogenic**



Order number	Description	Package
CCD06-035A	Easy to grasp ventilation type; 35x12mm	10/package;500/Cs
CCD06-060A	Easy to grasp ventilation type; 60x15mm	10/package;500/Cs
CCD06-100A	Easy to grasp ventilation type; 100x20mm	10/package;300/Cs
CCD06-150A	Easy to grasp ventilation type; 150x20mm	5/package;100/Cs

Bioland™ Cell Culture Series, Non-Tc Treat

The suspension cells with round cell bodies have large growth space in culture medium, can grow for a long time, and have strong reproduction, which is convenient for cell metabolism research.

Bioland offers specialized suspension cell culture consumables for this purpose. Typical examples are: S180 sarcoma cells/white blood cells /K562 cells /HL-60 cells

- RNase/DNase-free
- Human DNA-free
- Non-pyrogenic
- Non-cytotoxic
- sterile



Order number	Description	Package
CCB06N-025	25cm ² Cell culture Flask; Non-Tc Treat, Filter membrane cap	12/PK; 240/Cs
CCB06N-025S	25cm ² Cell culture Flask; Non-Tc Treat, Seal cover	12/PK; 240/Cs
CCB06N-075	75cm ² Cell culture Flask; Non-Tc Treat, Filter membrane cap	5/PK; 100/Cs
CCB06N-075S	75cm ² Cell culture Flask; Non-Tc Treat, Seal cover	5/PK; 100/Cs
CCB06N-175	175cm ² Cell culture Flask; Non-Tc Treat, Filter membrane cap	5/PK; 40/Cs
CCB06N-175S	175cm ² Cell culture Flask; Non-Tc Treat, Seal cover	5/PK; 40/Cs
CCB06N-225	225cm ² Cell culture Flask; Non-Tc Treat, Filter membrane cap	5/PK; 30/Cs
CCB06N-225S	225cm ² Cell culture Flask; Non-Tc Treat, Seal cover	5/PK; 30/Cs
CCD06N-035A	Cell Culture Dish; Non-Tc Treat, 35x12mm	10/PK; 500/Cs
CCD06N-060A	Cell Culture Dish; Non-Tc Treat, 60x15mm	10/PK; 500/Cs
CCD06N-100A	Cell Culture Dish; Non-Tc Treat, 100x20mm	10/PK; 300/Cs
CCD06N-150A	Cell Culture Dish; Non-Tc Treat, 150x20mm	5/PK; 100/Cs
CCP06N-006	6-well Cell Culture Plate; Non-Tc Treat	1/PK; 50/Cs
CCP06N-012	12-well Cell Culture Plate; Non-Tc Treat	1/PK; 50/Cs
CCP06N-024	24-well Cell Culture Plate; Non-Tc Treat	1/PK; 50/Cs
CCP06N-048	48-well Cell Culture Plate; Non-Tc Treat	1/PK; 50/Cs
CCP06N-096	96-well Cell Culture Plate; Non-Tc Treat	1/PK; 50/Cs

Bioland™ Disposable sterile Erlenmeyer Flask

- Erlenmeyer Flask suitable for Suspension culture. Such as: bacteria, fungi, animal cells, plant cells and so on.
- Can also be applied to some pairs
- Cells with high oxygen requirements. It is also an ideal choice for medium preparation and storage.
- Seal cover and filter cover are provided
- Made of PETG material, excellent clarity, the scale is molded
- 125ml, 250ml, 500ml, 1000ml are available
- RNase/DNase-free
- Human DNA-free
- Non-pyrogenic
- Non-cytotoxic
- sterile



Order number	Description	Package
FPB07-125	Filter membrane cap; 125ml Recommended working volume: 25ml-45ml	1 /PK; 40/CS
FPB07-125S	Seal Cap; 125ml Recommended working volume: 25ml-45ml	1 /PK; 40/CS
FPB07-250	Filter membrane cap; 250ml Recommended working volume: 50ml-90ml	1 /PK; 40/CS
FPB07-250S	Seal Cap; 250ml Recommended working volume: 50ml-90ml	1 /PK; 40/CS
FPB07-500	Filter membrane cap; 500ml Recommended working volume: 100ml-175ml	1 /PK; 20/CS
FPB07-500S	Seal Cap; 500ml Recommended working volume: 100ml-175ml	1 /PK; 20/CS
FPB07-1000	Filter membrane cap; 1000ml Recommended working volume: 200ml-350ml	1 /PK; 15/CS
FPB07-1000S	Seal Cap; 1000ml Recommended working volume: 200ml-350ml	1 /PK; 15/CS
FPB07-3000	Filter membrane cap; 3000ml Recommended working volume: 600-1350ml	1 /PK; 6/CS
FPB07-5000	Filter membrane cap; 5000ml Recommended working volume: 1000-2500ml	1 /PK; 4/CS
SC05-3-100A	Sterile transfer Cap for 2L, 3L, 5L, MPC	1/PK; 2/CS
SC05-3-100B	Sterile transfer Cap for 2L, 3L, 5L, Heat seal	1/PK; 2/CS
SC05-3-100C	Sterile transfer Cap for 2L, 3L, 5L, Sampling	1/PK; 2/CS

Bioland™ Disposable Serological Pipette

It is suitable for tissue and cell culture

Tested for sterility, accuracy and endotoxin levels, certified pyrogen free

Polystyrene material, high clarity, Clear scale, accurate pipetting

liquid-tight

- RNase/DNase-free
- Human DNA-free
- Non-pyrogenic
- Non-cytotoxic
- Sterile

Order number	Description	Package
PT06-1	1ml, Sterile ,individual packaging	50/PK; 1000/CS
PT06-2	2ml, Sterile ,individual packaging	50/PK; 500/CS
PT06-5	5ml, Sterile ,individual packaging	50/PK; 200/CS
PT06-10	10ml, Sterile ,individual packaging Stretch type	50/PK; 200/CS
PT06-10A	10ml, Sterile ,individual packaging Welded type	50/PK; 200/CS
PT06-25	25ml, Sterile ,individual packaging	25/PK; 200/CS
PT06-50	50ml, Sterile ,individual packaging	25/PK; 100/CS
PT06-100	100ml, Sterile ,individual packaging	20/PK; 100/CS



Bioland™ Cell Strainer

- Ideal for stem cell and tissue-derived primary cell preparation
- Suitable for Bioland, Corning, Thermo and other mainstream brands 50ml centrifuge tube/cell culture tube
- Adopted PP shell, Nylon filter
- Different pore size:40,70 or 100um.
- Human DNA-free
- Non-pyrogenic
- Non-cytotoxic
- Sterile

Order number	Description	Package
CS05-040	Blue; 40um	1 /PK; 50/CS
CS05-070	Natural; 70um	1 /PK; 50/CS
CS05-100	Yello; 100um	1 /PK; 50/CS

Bioland™ Sterile media square bottles / PET Serum bottle

- Suitable for packaging and transporting liquid media, buffers and serums
- Square design for greater use of storage space
- Leak-proof, graduated
- PET material, with durability and Clear clarity and other advantages
- Human DNA-free
- Non-pyrogenic
- Non-cytotoxic
- Sterile

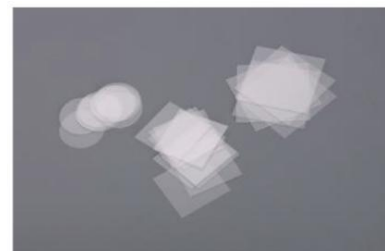
Order number	Description	Package
MCB09-50	50ml; White Cap	72 /PK; 144/CS
MCB09-125	125ml; Natural Cap	25/PK; 100/CS
MCB09-250	250ml; Natural Cap	30/PK; 60/CS
MCB09-500	500ml; Natural Cap	24/PK; 48/CS
MCB09-1000	1000ml; Natural Cap	12/PK; 24/CS



Bioland™ Cell Culture Coverslip

- High optical glass material, surface treatment, can promote the growth of cells directly on the slide
- Stick to the wall, not easy to fall off, to avoid the loss of cells due to metastasis
- No processing required, ready to use, No.1 thickness (0.13-0.17mm)
- It is suitable for immunohistochemistry, immunofluorescence, in situ hybridization and other experiments

Order number	Description	Package
CCG33-12C	Circle; Diameter: 12mm	100 /Box
CCG33-15C	Circle; Diameter: 15mm	100 /Box
CCG33-20C	Circle; Diameter: 20mm	100 /Box
CCG33-25C	Circle; Diameter: 25mm	100 /Box
CCG33-28C	Circle; Diameter: 28mm	100 /Box



Bioland™ Glass culture medium bottle with scale

High borosilicate material, in line with USP Type I standards. Can keep the PH value of the medium or biological sample stable for a long time. No effluent pollution.

- * Made of German ISOLAB standard borosilicate hydrochloric acid 3.3 glass
- * Can withstand high temperature autoclave sterilization
- * Special dumping port design ensures that the dumping is solution avoiding dripping
- * with scale
- * With writing area
- * Optional standard Cap or puncture Cap



Order NO.	Description	Package
435-125	435-125 125ml medium bottle without lid, transparent; No Cap, 56x123mm	60Pcs/CS
755-125A	125ml medium bottle with lid, transparent; PBT resin Cap; Chloroprene rubber pad, 56x123mm	60Pcs/CS
755-125B	125ml culture medium bottle with puncture cap, transparent; PBT resin can puncture cap; Chloroprene rubber pad, 56x123mm	60Pcs/CS
755-125W	125ml culture medium bottle with puncture cap, transparent; With wheaton puncture Cap (DWK: 240680), 56x123mm	60Pcs/CS
437-250	250ml medium bottle without cap, transparent; 66x156mm	40Pcs/CS
757-250A	250ml medium bottle with lid, transparent; PBT resin Cap; Chloroprene rubber pad, 66x156	40Pcs/CS
757-250B	250ml culture medium bottle with puncture cap, transparent; PBT resin can puncture cap; Chloroprene rubber pad, 66x156mm	40Pcs/CS
757-250W	250ml culture medium bottle with puncture cap, transparent; Fitted with wheaton Puncture Cap (DWK: 240680) 66x156mm	40Pcs/CS
439-500	500ml medium bottle without Cap, transparent, 85x182mm	24Pcs/CS
759-500A	500ml medium bottle with cap, transparent; PBT resin cap; Chloroprene rubber pad, 85x182mm	24Pcs/CS
759-500B	500ml culture medium bottle with puncture cap, transparent; PBT resin can puncture cap; Chloroprene rubber pad, 85x182mm	24Pcs/CS
759-500W	500ml culture medium bottle with puncture cap, transparent; With wheaton puncture cap (DWK: 240680) 85x182mm	24Pcs/CS
33-430A	standard Cap, PBT resin Cap; Chloroprene rubber pad, 33mm	100 Pcs/Box
33-430B	puncture cap, PBT resin puncture cover; Chloroprene rubber pad, 33mm	100 Pcs/ Box

Bioland™ Confocal Dish

Bioland™ Confocal Dish easily performs high-quality imaging in a 35 mm petri dish.

Combining the convenience of a standard 35mm petri dish with the imaging benefits of a cover glass provides the excellent optical properties required for high magnification microscopy and confocal image analysis.

- Improve the quality of high-resolution cell culture images
- Reduce evaporation and contamination of the medium
- Human DNA-free
- Non-pyrogenic
- Non-cytotoxic
- Sterile

Recommended use:

Fluorescence microscopy imaging, phase contrast microscopy imaging, confocal microscopy imaging, live cell imaging
Differential interferometric contrast microscopy, Fluorescence in Situ Hybridization (FISH)



Order number	Description	Package
CDG35-16	Dish diameter: 35mm; Glass bottom diameter: 16mm	10/PK; 100/CS
CDG35-20	Dish diameter: 35mm; Glass bottom diameter: 20mm	10/PK; 100/CS

Bioland™ 96 Well Black/Clear Bottom Plate, TC Surface

96-Well Optical-Bottom Plates with Polymer Base have a solid polystyrene black or white upper structures with a polystyrene film at the bottom of the plate.

The plates are optimized for fluorescence and luminescence in cell culture and microscopic applications.

White or black polystyrene upper structure with polymer or coverglass bottom plates combine the optical clarity of virgin crystalline polystyrene with optimal surface for a wide range of HTS applications.

Background, autofluorescence and crosstalk are improved when you use Black or White microplates

Black microplates are recommended for fluorescence measurements;

with minimum back-scattered light and background fluorescence

- White microplates are recommended for luminescence measurements; with maximum reflection and minimal autoluminescence
- Available in black for fluorescence assays or white for luminescence and fluorescence assays;
- both with clear bottoms
- Polymer base plate
- Working range, 50-200μL/well
- RNase/DNase-free
- Human DNA-free
- Non-pyrogenic
- Non-cytotoxic
- Sterile



Order number	Description	Package
PG06-W96CC	96-well white glass bottom microporous plate; Cell culture surface	1/PK; 20/CS
PG06-96CC	96-well black glass bottom microplate; Cell culture surface	1/PK; 20/CS
PG06-W96C	96-well white polymer bottom microporous plate; Cell culture surface	1/PK; 20/CS
PG06-96C	96-well black polymer bottom microporous plate; Cell culture surface	1/PK; 20/CS
PG06-W96	96-well white polymer bottom microporous plate; Untreated surface	1/PK; 20/CS
PG06-96	96-well black polymer bottom microporous plate; Untreated surface	1/PK; 20/CS

Bioland™ Cell Culture Inserts in Multi-Well Plates

- **The membrane is made of polycarbonate membrane with superhydrophilic surface**
- Most cell types can be grown without substrate coating using the Biolaand cell culture chamber
- Four pore sizes: 0.4, 3, 5, and 8 micron
- There are three sizes of 6-well, 12-well and 24-well cell culture plates available
- RNase/DNase-free
- Human DNA-free
- Non-pyrogenic
- Non-cytotoxic

- Sterile



Polycarbonate membranes have higher pore density, allow more exchange through the membrane, and have excellent cell adhesion properties, making them ideal for transport studies and other applications where optimal cell growth is required. Polycarbonate membranes are also very suitable for barrier analysis. It has a higher, more sustained, and more stable transepithelial resistance over a longer period of time than other membranes.

应用:

- Detection of tumor migration and invasion
- Epithelial and endothelial cell barrier assays
- Leather/skin and epithelial tissue model
- Study of chemotaxis
- Co-culture research:
- Cell to cell interactions
- Cell-mother cell interaction
- Cell-substrate interaction

Order number	Description	Package
Bioland™Cell Culture Chamber, 6-well plate kit		
CER06-004	PC membrane; Membrane aperture: 0.4um	1 set/bag; 10 sets/Cs
CER06-030	PC membrane; Membrane aperture: 3um	1 set/bag; 10 sets/Cs
CER06-050	PC membrane; Membrane aperture: 5um	1 set/bag; 10 sets/Cs
CER06-080	PC membrane; Membrane aperture: 8um	1 set/bag; 10 sets/Cs
Bioland™Cell Culture Chamber, 12-well plate kit		
CER12-004	PC membrane; Membrane aperture: 0.4um	1 set/bag; 10 sets/Cs
CER12-030	PC membrane; Membrane aperture: 3um	1 set/bag; 10 sets/Cs
CER12-050	PC membrane; Membrane aperture: 5um	1 set/bag; 10 sets/Cs
CER12-080	PC membrane; Membrane aperture: 8um	1 set/bag; 10 sets/Cs
Bioland™Cell Culture Chamber, 24-well plate kit		
CER24-004	PC membrane; Membrane aperture: 0.4um	1 set/bag; 10 sets/Cs
CER24-030	PC membrane; Membrane aperture: 3um	1 set/bag; 10 sets/Cs
CER24-050	PC membrane; Membrane aperture: 5um	1 set/bag; 10 sets/Cs
CER24-080	PC membrane; Membrane aperture: 8um	1 set/bag; 10 sets/Cs

Bioland™ Disposable vacuum filter/sterilizing filter

Self-contained filter system with filter funnel (top filter) receiving bottle and interface.

- Pre-filtration is very convenient and is an ideal tool for removing bacteria or impurities from a large number of biological liquids in the laboratory
- Polyether sulfone (PES), cellulose acetate (CA), polyvinylidene fluoride (PVDF) and other microporous filter membranes are provided
- Different membrane pore sizes can be used for the treatment of different biological liquids.
- Ergonomic design, the upper and lower containers are graduated, making the filtration more convenient and easy to operate
- Filtration efficiency (0.22μm): LRV > 7 deficient Shortwave monomonas, ATCC19146, ASTM Bacterial Challenge test
- Sterile, RNase/DNase-free, Non-pyrogenic, Non-cytotoxic, no surfactant, very low extraction
- Biosafety testing, USP<87>, USP<88>
- Single-use, pre-sterilized with gamma rays
- Very low protein adsorption rate <1.5% (PES)
- Ultra-high flow rates and fluxes filter liquids faster and more
- The GL45 interface is suitable for conventional laboratory receiving containers.
- A 0.1um aperture can be used for mycoplasma removal in liquids
- The pore size of 0.22um can be used for debacterialization and filtration of liquid
- The aperture of 0.45um can be used for liquid clarification and filtration



Order number	Description	Package
Bioland™ Disposable vacuum filter/Sterilizing filter; Polyethersulfone membrane (PES)		
PES50-S250	250ml; PES membrane; Diameter: 50mm; Aperture: 0.1um	1/PK; 12/CS
PES90-S500	500ml; PES membrane; Diameter: 90mm; Aperture: 0.1um	1/PK; 12/CS
PES90-S1000	1000ml; PES membrane; Diameter: 90mm; Aperture: 0.1um	1/PK; 12/CS
PES50-250	250ml; PES membrane; Diameter: 50mm; Aperture: 0.22um	1/PK; 12/CS
PES75-500	500ml; PES membrane; Diameter: 90mm; Aperture: 0.22um	1/PK; 12/CS
PES90-1000	1000ml; PES membrane; Diameter: 90mm; Aperture: 0.22um	1/PK; 12/CS
PES50-L250	250ml; PES membrane; Diameter: 50mm; Aperture: 0.45um	1/PK; 12/CS
PES90-L500	500ml; PES membrane; Diameter: 90mm; Aperture: 0.45um	1/PK; 12/CS
PES90-L1000	1000ml; PES membrane; Diameter: 90mm; Aperture: 0.45um	1/PK; 12/CS
Bioland™ Disposable vacuum filter/Sterilizing filter; Polyvinylidene fluoride membrane (PVDF)		
PVDF50-S250	250ml; PVDF membrane; Diameter: 50mm; Aperture: 0.1um	1/PK; 12/CS
PVDF90-S500	500ml; PVDF membrane; Diameter: 90mm; Aperture: 0.1um	1/PK; 12/CS
PVDF90-S1000	1000ml; PVDF membrane; Diameter: 90mm; Aperture: 0.1um	1/PK; 12/CS
PVDF50-250	250ml; PVDF membrane; Diameter: 50mm; Aperture: 0.22um	1/PK; 12/CS
PVDF75-500	500ml; PVDF membrane; Diameter: 90mm; Aperture: 0.22um	1/PK; 12/CS
PVDF90-1000	1000ml; PVDF membrane; Diameter: 90mm; Aperture: 0.22um	1/PK; 12/CS
PVDF50-L250	250ml; PVDF membrane; Diameter: 50mm; Aperture: 0.45um	1/PK; 12/CS
PVDF90-L500	500ml; PVDF membrane; Diameter: 90mm; Aperture: 0.45um	1/PK; 12/CS
PVDF90-L1000	1000ml; PVDF membrane; Diameter: 90mm; Aperture: 0.45um	1/PK; 12/CS
Bioland™ Disposable vacuum filter/Sterilizing filter; Cellulose acetate membrane (CA)		
CA50-250	250ml; CA membrane; Diameter: 50mm; Aperture: 0.22um	1/PK; 12/CS
CA75-500	500ml; CA membrane; Diameter: 90mm; Aperture: 0.22um	1/PK; 12/CS
CA90-1000	1000ml; CA membrane; Diameter: 90mm; Aperture: 0.22um	1/PK; 12/CS
CA50-L250	250ml; CA membrane; Diameter: 50mm; Aperture: 0.45um	1/PK; 12/CS
CA90-L500	500ml; CA membrane; Diameter: 90mm; Aperture: 0.45um	1/PK; 12/CS
CA90-L1000	1000ml; CA membrane; Diameter: 90mm; Aperture: 0.45um	1/PK; 12/CS

Note: Bioland™ Disposable vacuum filter/sterilizing filter can provide more membrane materials, more aperture specifications, contact customer service staff.

Bioland™ Disposable Sterile Top Filter

- It provides polyether sulfone (PES), cellulose acetate (CA), polyvinylidene fluoride (PVDF) and other microporous filter membranes, which can be used for the treatment of different biological liquids.
- Single-use, pre-sterilized with gamma rays
- Filtration efficiency (0.22μm): LRV > 7 deficient Shortwave monomonas,
- ATCC19146, ASTM Bacterial Challenge test
- Biosafety testing, USP<87>, USP<88>
- Sterile, RNase/DNase-free, Non-pyrogenic, Non-cytotoxic, no surfactant, very low extraction
- Very low protein adsorption rate <1.5% (PES)
- Ultra-high flow rates and fluxes filter liquids faster and more
- The GL45 interface is suitable for conventional laboratory receiving containers.
- Ergonomic design, the upper and lower containers are graduated, making the filtration more convenient and easy to operate



Order number	Description	Package
Bioland™ Top Filter; Polyethersulfone membrane (PES)		
PES50-S250N	250ml; PES membrane; Diameter: 50mm; Aperture: 0.1um	1/PK; 24/CS
PES90-S500N	500ml; PES membrane; Diameter: 90mm; Aperture: 0.1um	1/PK; 24/CS
PES90-S1000N	1000ml; PES membrane; Diameter: 90mm; Aperture: 0.1um	1/PK; 24/CS
PES50-250N	250ml; PES membrane; Diameter: 50mm; Aperture: 0.22um	1/PK; 24/CS
PES75-500N	500ml; PES membrane; Diameter: 90mm; Aperture: 0.22um	1/PK; 24/CS
PES90-1000N	1000ml; PES membrane; Diameter: 90mm; Aperture: 0.22um	1/PK; 24/CS
PES50-L250N	250ml; PES membrane; Diameter: 50mm; Aperture: 0.45um	1/PK; 24/CS
PES90-L500N	500ml; PES membrane; Diameter: 90mm; Aperture: 0.45um	1/PK; 24/CS
PES90-L1000N	1000ml; PES membrane; Diameter: 90mm; Aperture: 0.45um	1/PK; 24/CS
Bioland™ Top Filter; Polyvinylidene fluoride membrane (PVDF)		
PVDF50-250N	250ml; PVDF membrane; Diameter: 50mm; Aperture: 0.22um	1/PK; 24/CS
PVDF75-500N	500ml; PVDF membrane; Diameter: 90mm; Aperture: 0.22um	1/PK; 24/CS
PVDF90-1000N	1000ml; PVDF membrane; Diameter: 90mm; Aperture: 0.22um	1/PK; 24/CS
PVDF50-L250N	250ml; PVDF membrane; Diameter: 50mm; Aperture: 0.45um	1/PK; 24/CS
PVDF90-L500N	500ml; PVDF membrane; Diameter: 90mm; Aperture: 0.45um	1/PK; 24/CS
PVDF90-L1000N	1000ml; PVDF membrane; Diameter: 90mm; Aperture: 0.45um	1/PK; 24/CS
Bioland™ Top Filter; Cellulose acetate membrane (CA)		
CA50-250N	250ml; CA membrane; Diameter: 50mm; Aperture: 0.22um	1/PK; 24/CS
CA75-500N	500ml; CA membrane; Diameter: 90mm; Aperture: 0.22um	1/PK; 24/CS
CA90-1000N	1000ml; CA membrane; Diameter: 90mm; Aperture: 0.22um	1/PK; 24/CS
CA50-L250N	250ml; CA membrane; Diameter: 50mm; Aperture: 0.45um	1/PK; 24/CS
CA90-L500N	500ml; CA membrane; Diameter: 90mm; Aperture: 0.45um	1/PK; 24/CS
CA90-L1000N	1000ml; CA membrane; Diameter: 90mm; Aperture: 0.45um	1/PK; 24/CS

Note: Bioland™ Disposable vacuum filter/sterilizing filter can provide more membrane materials, more aperture specifications, contact customer service staff.

Bioland™ Sterile filter Receiving Bottle/Storage Bottle

- The use of radiation sterilization can reduce the contamination of the sample.
- Use with Bioland™Top Filter or as a container to store media.
- GL45 connector, screw cap, leak proof
- Biosafety testing, USP<87>, USP<88>
- RNase/DNase-free
- Human DNA-free
- Non-pyrogenic
- Non-cytotoxic
- Sterile



Order number	Description	Package
GL06-250	250ml, Bottle body PS, Cap HDPE	1/PK; 24/CS
GL06-500	500ml, Bottle body PS, Cap HDPE	1/PK; 24/CS
GL06-1000	1000ml, Bottle body PS, Cap HDPE	1/PK; 24/CS

Bioland™ PETG Biograde Frozen Bottle

Suitable for the preparation and storage of active drugs, intermediates, buffers, media and other laboratory liquids. The low permeability of CO₂ and O₂ in commonly used plastics PETG can be used as a storage for Ph-sensitive substances.

- 100,000 clean workshop production
- PETG bottle body; HDPE bottle cap
- Sterile, enzyme-free, pyrogen free, cytotoxic free
- Bag packing
- Square design for greater use of storage space
- Leak-proof, graduated
- Used for packaging and transporting liquid media, buffers and serums



Order number	Description	Package
MCB19-30	PETG bottle body; Cap HDPE; 30ml; Natural lid	6/PK; 144/CS
MCB19-50	PETG bottle body; Cap HDPE; 60ml; Natural lid	6/PK; 144/CS
MCB19-125	PETG bottle body; Cap HDPE; 125ml; Natural lid	5/PK; 100/CS
MCB19-250	PETG bottle body; Cap HDPE; 250ml; Natural lid	5/PK; 60/CS
MCB19-500	PETG bottle body; Cap HDPE; 500ml; Natural lid	4/PK; 48/CS
MCB19-1000	PETG bottle body; Cap HDPE; 1000ml; Natural lid	4/PK; 24/CS

Bioland™ Biograde Serological Pipette

- The unique scale design guarantees higher accuracy: $\pm 1\%$
- Ink-free printing to avoid contamination caused by ink shedding
- The polyethylene sintered filter element ensures the ventilation flow while avoiding the pollution of fiber and wool
- With the color of the joint, the specification is clear
- Shorter than the conventional design, more convenient operation, narrow space operation more flexible
- Plastic packaging, avoid paper scraps, hydrogel powder pollution
- Class 100,000 clean workshop production, in line with ISO9001-2015, ISO13485-2016 quality management system certification
- RNase/DNase-free
- Human DNA-free
- Non-pyrogenic
- Non-cytotoxic
- Sterile



Order number	Description	Package
PTB06-5	5ml, sterile individual packaging	50/PK; 200/CS
PTB06-10	10ml, sterile individual packaging	50/PK; 200/CS
PTB06-25	25ml, sterile individual packaging	25/PK; 200/CS

Microbiological Testing

Microorganisms include: bacteria, viruses, fungi and some small protozoa, microscopic algae and other a large group of organisms. Because of its small size, light weight, strong adaptability and strong reproductive ability, microorganisms are widely distributed in nature and closely related to human beings. It exists in medicine, agriculture, food, cosmetics, feed, medicine, the environment and other people can touch every corner



Bioland™ Microbiological Testing

Bioland™ Petri dish

Designed for microbiology to grow microorganisms on solid media

The shallow petri dish can improve the space utilization of the incubator as much as possible

After mirror treatment, high optical quality of petri dishes can be ensured

Used for bacterial culture

- RNase/DNase-free
- Human DNA-free
- Non-pyrogenic
- Non-cytotoxic
- Sterile

Order number	Description	Package
BCD06-060B	Diameter: 60, height: 15mm	10/PK; 500/CS
BCD06-090A	Diameter: 90, height: 15mm	10/PK; 500/CS
BCD06-090B	Diameter: 90, height: 20mm	10/PK; 300/CS



Bioland™ Disposable Loop & Needle

Suitable for microbe inoculation

- Available in 1ul and 10ul sizes
- Sterile, RNase/DNase free, pyrogen free
- Made of polypropylene material, high temperature and high pressure sterilization

Order number	Description	Package
MIR05-01	Blue; 1ul	10/PK; 500/CS
MIR05-10	Orange; 10ul	10/PK; 500/CS



Bioland™ L-shaped Spreader

Disposable spreader is used for spreading microorganisms which is sterilized before the release.

suitable for spreading of microbes samples

- Sterile, RNase/DNase free, pyrogen free
- Made of polypropylene material, high temperature and high pressure sterilization
- Individual packaging

Order number	Description	Package
LS05-1S	L-shaped Spreader ;orange; Individual packaging	10/PK; 500/CS



Bioland 15ml/50ml Membrane reaction tube/centrifuge tube/shaker tubes

It is especially suitable for suspension cell culture, clonal selection, bacterial solution/strain resuscitation, small volume suspension culture and low protein adsorption of serological research.

The external dimension is the same as that of the 15ml/50ml centrifuge tube, which is suitable for most 15ml/50ml centrifuge devices.

The tube body is made of USP Class VI medical grade polypropylene. The cap is made of USP Class VI medical grade HDPE. High transparency, easy observation, belt scale

0.22um PTFE membrane can provide high dissolved oxygen, bacteria resistance and air permeability

· Sterile, RNase/DNase-free, Human DNA-free, Non-pyrogenic, Non-cytotoxic.

15ml centrifugal force tolerance :13000xg; 50ml centrifugal force tolerance: 17000xg

Order NO.	Description	Package
ATS05-10-15	1 15ml, 10mm, PTFE	10Pcs/Pk;10Pk/Cs
ATS05-12-50	50ml, 12mm, PTFE	10Pcs/Pk;10Pk/Cs



Bioland™ Sterile microbial detection filter membrane

Bioland™ Microbial detection membrane was selected as unsupported, natural hydrophilic mixed cellulose filter membrane, using different pore sizes to enrich designated bacteria for culture. It can be widely used in various microbial analysis and research.

- Available in individual and continuous packaging, the continuous packaging grille film is suitable for Bioland™

Membrane Dispenser Curve

- In line with ISO7704, the most suitable for microbial retention and growth, microbial recovery >90%
- Filtration efficiency: LRV>7(ATCC 19146 deficient Shortwave monas, ASTM Bacterial Challenge Test) High flow rate
- The grid lines on the membrane facilitate colony identification and counting, and do not affect colony growth
- Gamma rays pre-filtered, valid for 3 years



For "membrane filtration method" for solid, liquid, gas and other samples for microbial detection, especially for food hygiene industry or water monitoring in the total number of bacteria, fecal coliform, Escherichia coli, sterility testing, Pseudomonas aeruginosa, Staphylococcus aureus, etc., general microscopic inspection particle count or analysis.

Order NO.	Description	Package
MCE47-022S	Sterile microbial detection filter membrane; Diameter: 47mm ; Aperture: 0.22um	200 pcs/Pk
MCE47-045S	Sterile microbial detection filter membrane; Diameter: 47mm ; Aperture: 0.45um	200 pcs/Pk
MCE47-022SS	Sterile microbial detection filter membrane For Machine distribution; Diameter: 47mm ; Aperture: 0.22um	200 pcs/Pk
MCE47-045SS	Sterile microbial detection filter membrane For Machine distribution; Diameter: 47mm ; Aperture: 0.45um	200 pcs/Pk

Bioland™ Membrane Dispenser Curve

General microbiological analysis; Beer; Bottled Water; Pharmaceutical Products Analysis; Environmental Analysis; Bioburden Testing; Water Monitoring, Extensive use of sterile filters is often required. The Bioland™ automatic film extractor is designed for this purpose, making the process of mass film extraction easy and fast. The film extractor is lightweight, easy to install, and contactless, avoiding hand contact with the filter and reducing the risk of contamination.

- Used for automatic membrane extraction of microbial detection membrane
- Automatic infrared induction film collection
- Filter membrane pre-sterilization, no contact to take the membrane, to avoid secondary pollution installation process is simple and fast
 - Indicates the number of membranes used and the number of membranes remaining
- High speed film removal < 1 second
- Lightweight appearance, easy to move and use
- Can be used for AC power supply 110/220V or 18650 lithium battery
- The detection efficiency is effectively improved



Order NO.	Description	Package
MCE47-01S	Membrane Dispenser Curve	1 Set/Cs

Bioland™ High borosilicate solvent filter

High borosilicate glass material

42mm sand chips or 47mm and 50mm filters are available

Resistant to most aqueous and organic solvents

Can be autoclaved

Order NO.	Description	Package
HG09-250	High borosilicate solvent filter; 250ml	1 Set/Cs
HG09-500	High borosilicate solvent filter; 500ml	1 Set/Cs
HG09-1000	High borosilicate solvent filter; 1000ml	1 Set/Cs
HG09-2000	High borosilicate solvent filter; 2000ml	1 Set/Cs
HG09-3000	High borosilicate solvent filter; 3000ml	1 Set/Cs
HG09-5000	High borosilicate solvent filter; 5000ml	1 Set/Cs
HG09-10000	High borosilicate solvent filter; 10000ml	1 Set/Cs



Bioland™ Stainless steel multiplex filter

The filter bracket is equipped with an independent control valve for each bracket, allowing for flexible and convenient disinfection with high efficiency.

It has the capability to simultaneously detect three or six samples with high sensitivity, low false positive rate, and simple operation. Constructed from 316L sanitary grade stainless steel material,

it is resistant to acid and alkali corrosion and can be easily disinfected at high temperatures, ensuring stable and reliable analysis results.

The aluminum clip's tight design facilitates easy combination of the filter cup with the middle filter head, ensuring a strict seal without any leakage.

Widely utilized in chemical analysis, biochemical pharmaceuticals, health inspection, environmental testing, water quality analysis, food and beverage industries as well as scientific research.

Order NO.	Description	Package
SSF3-300	Stainless steel multiplex filter; 3 Channels*300ml	1Set/Cs
SSF3-500	Stainless steel multiplex filter; 3 Channels*500ml	1Set/Cs
SSF6-300	Stainless steel multiplex filter; 6 Channels*300ml	1Set/Cs
SSF6-500	Stainless steel multiplex filter; 6 Channels*500ml	1Set/Cs



Centrifugal And Cryogenic Tube



It is mainly used in: the precipitate after chemical reaction; natural biology is bigger than molecule, inorganic matter, organic matter; in the field of biochemistry, it is used to collect cell, organelle, bio-molecular matter and so on

Bioland™ Centrifugal And Cryogenic Tube

Bioland™ Low Retention microcentrifuge tube

- Microcentrifuge Tubes offer sample security while maintaining an easy to open cap. The larger round cap design assists in opening and the smooth surface reduces the possibility of ripped or torn gloves.
- High clarity and clearly visible graduation marks allow for quick sample check.
- Uniform tube concentricity aides in the robustness needed during centrifugation.
- Tubes are available in amber to protect your light sensitive samples
- Graduation marks on the microcentrifuge tube allow for effective sample reference
- Frosted top and side writing pads
- Uniform wall thickness improve durability
- -80°C cold storage capable
- Available in bulk bags
- For stringent sterility requirements individually wrapped sterile tubes are available
- Color options: Natural, Amber. Red. Blue, Green, Yellow and Violet and a mixed color packaging
- virgin polypropylene , ensure sample integrity during boiling, freezing and centrifugation
- Sterile product is certified free of RNase, DNase, DNA, ATP, bioburden and endotoxins
- Nonsterile product is certified free of RNase, DNase, DNA and pyrogens.
- Max. RCF 20000xG
- Can be autoclaved
- Low adsorption microcentrifuge tube reduces liquid wall hanging and material adsorption

Order number	Description	Package
TP05-005	0.5ml; Not sterilized; Natural colour	1000/PK; 10000/CS
TP05-005-S	0.5ml;Sterile; Natural colour	100/PK; 1000/Box,10000/Cs
TP05-015	1.5ml; Not sterilized; Natural colour	500/PK; 5000/Cs
TP05-015-S	1.5ml;Sterile; Natural colour	100/PK; 500/Box,5000/Cs
TP05-020	2ml; Not sterilized; Natural colour	500/PK; 5000/Cs
TP05-020-S	2ml;Sterile; Natural colour	100/PK; 500/Box,5000/Cs
TP05-050	5ml; Not sterilized; Natural colour	200/PK; 2000/CS
TP05-050-S	5ml;Sterile; Natural colour	100/PK; 200/Box,2000/Cs
TP05-005B	0.5ml;Non-sterilized; Amber	1000/PK; 10000/CS
TP05-005B-S	0.5ml;Sterile; Amber	100/PK; 1000/Box,10000/Cs
TP05-015B	1.5ml;Non-sterilized; Amber	500/PK; 5000/Cs
TP05-015B-S	1.5ml;Sterile; Amber	100/PK; 500/Box,5000/Cs
TP05-020B	2ml;Non-sterilized; Amber	500/PK; 5000/Cs
TP05-020B-S	2ml;Sterile; Amber	100/PK; 500/Box,5000/Cs



Note: Bioland™ Microcentrifuge tubes are available in a variety of color specifications. Contact bioland customer service for details.

Bioland™ Screw Cap Microcentrifuge Tubes

- Polypropylene material, durable, chemical resistance, natural color
- Screw cap, leak proof
- Can be high temperature autoclaved
- RNase/DNase free, pyrogen free
- The maximum centrifugal force: 20000Xg

Order number	Description	Package
STP05-005	0.5 ml; Not sterilized; Natural colour	500/PK; 5000/CS
STP05-015	1.5 ml; Not sterilized; Natural colour	500/PK; 5000/CS
STP05-020	2ml; Not sterilized; Natural colour	500/PK; 5000/CS



Bioland™ 15mL and 50mL Conical Sterile Polypropylene Centrifuge Tubes

- 15mL & 50mL Conical Sterile Polypropylene Centrifuge Tubes are premium,
 - high-quality conical tubes that are environmentally friendly,
 - offer the highest cleanliness with a recyclable plastic rack ;
increased traceability with the large writing area.
- Labware Products are made from high-purity resins and molded using our state-of-the-art processes.
- Nonpyrogenic: Endotoxin tested (0.6 EU/mL)
 - Non-Cytotoxic
 - Biologically inert: USP biological reactivity class VI
 - High level of sterility: SAL 10-6
 - RNase/DNase-free
 - Leak proof
 - Made from virgin resins and molded using state-of-the-art processes;
 - 50ml provides Skirted-bottom self-supporting type.
 - 50ml maximum centrifugal force:17000xg.
 - 15ml maximum centrifugal force: 13500xg.
 - Available in bag and rack styles
 - Available in polystyrene for blood research applications

Order number	Description	Package
ATS05-15	Sterile; 15ml; Bulk	25/PK; 500/ Cs
ATS05-15L	Sterile; 15ml; Rack	50/Rack; 500/Cs
ATS05-50	Sterile; 50ml; Bulk	25/PK; 500/ Cs
ATS05-50L	Sterile; 50ml; Rack	25/Rack; 500/Cs
ATS05-50A	Sterile;Skirted, 50ml; Rack	25/PK; 500/ Cs



Bioland™ Amber Conical Centrifuge Tubes

Order number	Description	Package
ATSL05B-15	Amber,Sterile; 15ml; Bulk	25/PK; 500/ Cs
ATSL05B-15L	Amber,Sterile; 15ml; Rack	50/Rack; 500/Cs
ATSL05B-50	Amber,Sterile; 50ml; Bulk	25/PK; 500/ Cs
ATSL05B-50L	Amber,Sterile; 50ml; Rack	25/Rack; 500/Cs



Bioland™ Low Retention Conical Centrifuge Tubes

Order number	Description	Package
ATSL05-LR-15	Sterile; 15ml; Bulk	25/PK; 500/ Cs
ATSL05-LR-15L	Sterile; 15ml; Rack	50/Rack; 500/Cs
ATSL05-LR-50	Sterile; 50ml; Bulk	25/PK; 500/ Cs
ATSL05-LR-50L	Sterile; 50ml; Rack	25/Rack; 500/Cs



Bioland™ Round bottom centrifugal tube -high transparency

- Made of polypropylene material
- Reusable, high temperature autoclave sterilization
- With scale;Writing area

Available in a variety of sizes from 2ml to 100ml, with two choices of button and screw

Order number	Description	Package
ATS06-15R	15ml; Round bottom; ungraduated	24/PK, 960/Cs
ATS06-15RS	15ml; Round bottom; Tape scale	24/PK, 960/Cs



Bioland™ Round bottom centrifuge tube

- Made of polypropylene material
- Reusable (high temperature autoclave)
- With scale; Writing Area
- Provide a variety of specifications from 2ml to 100ml, and provide two options: press cap and screw cap



Order NO.	Description	Package
CTL05-2P	2mlRound bottom centrifuge tube;Press cap; 10x42mm	500/PK; 5000/CS
CTL05-5P	5mlRound bottom centrifuge tube; Press cap; 13x54mm	300/PK; 3000/CS
CTL05-7P	7mlRound bottom centrifuge tube;Press cap; 14x81mm	200/PK; 2000/CS
CTL05-10P	10mlRound bottom centrifuge tube; Press cap; 14.5x82mm	200/PK; 2000/CS
CTL05-10S	10mlRound bottom centrifuge tube; screw cap; 16x102mm	100/PK; 1000/CS
CTL05-15P	15mlRound bottom centrifuge tube; Press cap; 18x98mm	100/PK; 1000/CS
CTL05-15S	15mlRound bottom centrifuge tube; screw cap; 16x115mm	100/PK; 1000/CS
CTL05-30S	30mlRound bottom centrifuge tube;screw cap; 27.5x107mm	50/PK; 500/CS
CTL05-50P	50mlRound bottom centrifuge tube; Press cap; 28x105mm	50/PK; 500/CS
CTL05-50S	50mlRound bottom centrifuge tube; screw cap; 28.5x115mm	50/PK; 500/CS
CTL05-100P	100mlRound bottom centrifuge tube; Press cap; 38x106mm	30/PK; 300/CS
CTL05-100S	100mlRound bottom centrifuge tube; screw cap; 38x116mm	30/PK; 300/CS

Bioland high speed centrifugal apparatus

High speed centrifuges are available in various capacities from 10ml to 2000ml. At the same time, it provides a variety of bottom shapes such as round bottom, flat bottom and Conical bottom. More abundant provides a variety of sealing structures.

Bioland HIGH-SPEED centrifugals can be adapted to most brands on the market. Such as: Thermofisher, Beckman, Hitachi, Sigma, Eppendorf and other brands. All you need to do is to find the right centrifuge for you from Bioland's centrifuge parameter sheet.

According to the type, it is divided into: centrifugal tube and centrifugal bottle _____



High-speed centrifugal tube



High-speed centrifugal bottle

From the bottom type is divided into: Flat bottom, Conical bottom, Round bottom _____



Flat bottom



Conical bottom



Round bottom

From the material is divided into: Polypropylene and Polycarbonate _____



Polypropylene



Polycarbonate

Note: High speed centrifuge bottle is not permanent use. Different mechanical strength and centrifugal time, the fatigue degree of the product is different, please arrange the number of repeated use according to the experimental plan



Bioland high speed centrifugal tube

Bioland high speed centrifuge tubes/bottles fit the vast majority of centrifuges on the market. It has good sealing property and can effectively prevent sample leakage. You can choose the product that suits you according to the size table



Bioland™ High speed polypropylene centrifugal tube

- High-Speed PP Centrifuge Tubes are chemically compatible with a wider variety of lab reagents and repeatedly autoclavable for extended performance.
- It can be used in refrigerated centrifuges or non-refrigerated centrifuges with centrifugal force up to 5000xg
- Suitable for ThermoFisher, Sigma, Beckman, Eppendorf, Tomy and other mainstream centrifugals
- Comes with polypropylene linerless closures—easy to clean and provides leakproof protection under normal conditions up to 10,000 x g
- Tubes must be filled to at least 80% capacity for proper performance
- Great chemical resistance
- Can be autoclaved repeatedly
- Autoclavable
- Leakproof

Note: During high temperature autoclave sterilization, please completely remove the cover and place it on the top of the container, remember not to rotate the screw seal



Order number	Description	Package
CTH05-10	10ml,Length * Diameter:81.4x16.0mm	10/PK; 100/CS
CTH05-30	30ml Length * Diameter:94.3x25.5mm	10/PK; 100/CS
CTH05-50	50ml, Length * Diameter: 106.7x28.8mm	10/PK; 100/CS
CTH05-100	100ml Length * Diameter:; 105.7x38.2mm	10/PK; 100/CS

Bioland™ High speed centrifugal tube

Suitable for most centrifuges on the market.

It has good sealing property and can effectively prevent sample leakage.

Provides flat bottom, conical bottom, round bottom three types of bottom. Various seal cap designs are available to reduce leakage of centrifugal bottles.

The combination seal cover is easier to open.

Centrifugal tubes made of either polypropylene or polycarbonate can be autoclaved at high temperature.

The centrifugal tube made of polypropylene has excellent chemical resistance, and the centrifugal tube made of polycarbonate has excellent light transmission and low temperature resistance.

You can choose the product that suits you according to the size table.

High speed centrifuge tube with gasket seal cap

Order number	Maximum capacity(ml)	Material	Size(mm)	Centrifugal force(Xg)	Packing Quantity
CTH05-S10	10ml	PP	16x81.2	50000xg	10Pcs/Pk; 100Pcs/Cs
CTH05-S30	30ml	PP	25x94	50000xg	10Pcs/Pk; 100Pcs/Cs
CTH05-S50	50ml	PP	28.5x105	50000xg	10Pcs/Pk; 100Pcs/Cs
CTH05-S100	82ml	PP	38x105	50000xg	10Pcs/Pk; 100Pcs/Cs
CTH07-S10	10ml	PC	16x82.8	50000xg	10Pcs/Pk; 100Pcs/Cs
CTH07-S30	30ml	PC	25.3x94.5	50000xg	10Pcs/Pk; 100Pcs/Cs
CTH07-S50	50ml	PC	28.5x105	50000xg	10Pcs/Pk; 100Pcs/Cs
CTH07-S100	82ml	PC	38x105	50000xg	10Pcs/Pk; 100Pcs/Cs



Conical bottom High speed centrifuge tube with standard cap

Order number	Maximum capacity(ml)	Material	Size(mm)	Centrifugal force(Xg)	Packing Quantity
CTH05-C15	10ml	PP	16x81.2	50000xg	10Pcs/Pk; 100Pcs/Cs
CTH05-C35	35ml	PP	25x94	50000xg	10Pcs/Pk; 100Pcs/Cs
CTH05-C50	50ml	PP	28.5x105	50000xg	10Pcs/Pk; 100Pcs/Cs



Centrifuge bottle

Bioland Standard high-speed centrifuge bottle



Polypropylene



Polycarbonate

Order number	Maximum capacity(ml)	Material	Size(mm)	Centrifugal force(Xg)	Packing Quantity
CB05-250	250ml	PP	61.8x123	27000xg	6/pk; 24/cs
CB05-500S	500ml	PP	69.5x169	13500xg	6/pk; 12/cs
CB05-500	500ml	PP	73.5x168	13500xg	6/pk; 12/cs
CB05-1000S	1000ml	PP	97.5x170	7000xg	2/pk; 6/cs
CB05-1000	1000ml	PP	97.5x171	7000xg	2/pk; 6/cs
CB07-250	250ml	PC	61.8x124	27000xg	6/pk; 24/cs
CB07-500S	500ml	PC	69.5x170	13500xg	6/pk; 12/cs
CB07-500	500ml	PC	73.5x169	13500xg	6/pk; 12/cs

Bioland High speed centrifuge bottle with gasket sealing cap



Polypropylene



450ml



Polycarbonate

Order number	Maximum capacity(ml)	Material	Size(mm)	Centrifugal force(Xg)	Packing Quantity
CB05-S250	250ml	PP	61.8x127	27000xg	6/pk; 24/cs
CB05-S450	450ml	PP	68x158	13500xg	6/pk; 12/cs
CB05-S500S	500ml	PP	69.5x173	13500xg	6/pk; 12/cs
CB05-S500	500ml	PP	73.5x173	13500xg	6/pk; 12/cs
CB07-S450	450ml	PC	68x158	13500xg	6/pk; 12/cs
CB07-S500S	500ml	PC	69.5x173	13500xg	6/pk; 12/cs
CB07-S500	500ml	PC	73.5x173	13500xg	6/pk; 12/cs



Bioland[®] High speed centrifugal bottle with combined seal lid can be adapted to mainstream centrifuges such as Thermo and Beckman.

Order number	Maximum capacity(ml)	Material	Size(mm)	Centrifugal force(Xg)	Packing Quantity
CB05-C250	250ml	PP	61.8x130	30000xg	6Pcs/Pk; 24Pcs/Cs
CB05-C250A	250ml	PP	61x141	30000xg	6Pcs/Pk; 24Pcs/Cs
CB05-C500S	500ml	PP	69x179	24500xg	6Pcs/Pk; 12Pcs/Cs
CB05-C500	500ml	PP	73.5x177	24500xg	6Pcs/Pk; 12Pcs/Cs
CB05-C500A	500ml	PP	69x171	24500xg	2Pcs/Pk; 6Pcs/Cs
CB05-C1000	1000ml	PP	97x202	20500xg	2Pcs/Pk; 6Pcs/Cs
CB05-C1000A	1000ml	PP	97x202	20500xg	2Pcs/Pk; 6Pcs/Cs
CB05-C1000B	1000ml	PP	97x194	20500xg	2Pcs/Pk; 6Pcs/Cs
CB05-C1000C	1000ml	PP	97x194	20500xg	2Pcs/Pk; 6Pcs/Cs
CB05-C1000P	1000ml	PP	95x220	20500xg	2Pcs/Pk; 6Pcs/Cs
CB07-C500A	500ml	PC	69x171	24500xg	6Pcs/Pk; 12Pcs/Cs

CB07-C1000A	1000ml	PC	97x202	20500xg	2Pcs/Pk; 6Pcs/Cs
CB07-C1000B	1000ml	PC	97x194	20500xg	2Pcs/Pk; 6Pcs/Cs
CB07-C1000C	1000ml	PC	97x194	20500xg	2Pcs/Pk; 6Pcs/Cs

Bioland[®] Rectangular centrifugal bottle



Order number	Maximum capacity(ml)	Material	Size(mm)	Centrifugal force(Xg)	Packing Quantity
CB02-D1500	1500ml	HDPE	157x95x168	6800xg	2Pcs/Pk; 6Pcs/Cs
CB05-D1500	1500ml	PP	157x95x168	6800xg	2Pcs/Pk; 6Pcs/Cs
CB05-D2000A	2000ml	PP	189x97.5x190	6800xg	2Pcs/Pk; 6Pcs/Cs
CB05-D2000B	2000ml	PP	175x111x210	6800xg	2Pcs/Pk; 6Pcs/Cs
CB05-D2400	2400ml	PP	178x113x187	6800xg	2Pcs/Pk; 6Pcs/Cs

Bioland™ Centrifuge Bottles

- Perform biopharmaceutical aseptic fluid transfer or sampling applications with the tri-clover flange of Centrifuge Bottles, molded of translucent polypropylene. Ideal for large-volume cell harvesting, pelleting and protein purification, translucent bottles are autoclavable and have excellent chemical resistance properties.
- For low- to moderate-speed centrifugation of biological and chemical samples
- leakproof assurance at higher speeds and fill volumes
- For proper performance, bottle must be filled at least 80% of total capacity.
- Suitable for ThermoFisher, Sigma, Beckman, Eppendorf, Tomy and other mainstream centrifugals

Alert: When autoclaving, remove cover completely and place on top of container, remember not to rotate seal by thread



Order number	Description	Package
CB05-250	250ml, Diameter * Height: 61.8x127.7mm	6/PK; 60/CS
CB05-500S	500ml, Diameter * Height: 69.5x170mm	6/PK; 30/CS
CB05-500	500ml, Diameter * Height: 74x170mm	6/PK; 30/CS
CB05-1000S	1000ml, Diameter * Height: 98x169mm	6/PK; 12/CS
CB05-1000	1000ml, Diameter * Height: 97.5x167mm	6/PK; 12/CS

Bioland™ PP Conical-Bottom Centrifuge Bottle

Process large batches more easily with centrifuge tubes, which are made from high-purity resins and can resist forces up to 7000 RCF.

- Made of polypropylene material; sterility
- Excellent chemical resistance
- Available in 175ml, 250ml and 500ml sizes
- The 175ml, 250ml and 500ml all have leak-proof sealing caps

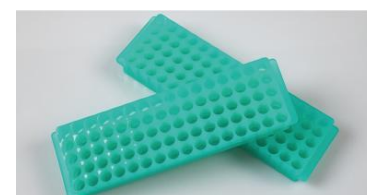


Order number	Description	Package
PBC05-175	Wide mouth Conical-Bottom; 175ml; Diameter * Height: 61x130mm	1/PK; 40/CS
PBC05-250	Wide mouth Conical-Bottom; 250ml; Diameter * Height: 61x164mm	1/PK; 40/CS
PBC06-250	Narrow mouth Conical-Bottom; 250ml; Diameter * Height: 60x164mm	1/PK; 102/CS
PBC06-500	Narrow mouth Conical-Bottom; 500ml; Diameter * Height: 95x148mm	1/PK; 40/CS

Bioland™ Microcentrifuge tube Rack

- Made of polypropylene material
- Excellent chemical resistance; Can be autoclaved at high temperature
- Suitable for 1.5ml and 2.0ml microcentrifuge tubes

Order number	Description	Package
CF015-60	60-holes for 1.5ml and 2.0ml	1/PK; 50/CS
CF015-80	80-holes for 1.5ml and 2.0ml	1/PK; 50/CS
CF015-96	96-holes for 1.5ml and 2.0ml	1/PK; 50/CS



Bioland™ Conical Centrifuge Tube Rack

- Made of polypropylene material
- Excellent chemical resistance; Can be autoclaved at high temperature

Order number	Description	Package
CF05-15	15-holes for 5ml and 15ml	1/PK; 50/CS
CF15-25	25-holes for 15ml	1/PK; 50/CS
CF50-25	25-holes for 50ml	1/PK; 50/CS



Bioland™ Conical-Bottom Centrifuge Bottle Rack

Made of stainless steel and ABS coating

Suitable for Bioland™ tip bottomed bottles, Corning tip bottomed bottles, NUNC tip bottomed bottles

Order number	Description	Package
SCF09-250	Suitable for 225-250ml centrifugal bottles	Individual package
SCF09-500	Suitable for 450-500ml centrifugal bottles	Individual package



Bioland™ Plexiglass Aggreko centrifugal tube Rack

- Made of transparent plexiglass
- 0.5ml, 1.5ml, 2.0ml, 5ml, 7ml, 10ml, 15ml, 50ml various specifications

Order number	Description	Package
PTF-152-24	24-holes for 1.5ml and 2.0ml aperture : 11mm	Individual package
PTF-152-40	40-holes for 1.5ml and 2.0ml aperture : 11mm	Individual package
PTF-152-48	48-holes for 1.5ml and 2.0ml aperture : 11mm	Individual package
PTF-050-24	24-holes for 5ml aperture : 14mm	Individual package
PTF-050-40	40-holes for 5ml aperture : 14mm	Individual package
PTF-710-24	24-holes for 7ml and 10ml aperture : 16mm	Individual package
PTF-710-40	40-holes for 7ml and 10ml aperture : 16mm	Individual package
PTF-1015-24	24-holes for 10ml and 15ml aperture : 16mm	Individual package
PTF-1015-40	40-holes for 10ml and 15ml aperture : 16mm	Individual package
PTF-500-8	8-holes for 50ml aperture : 29mm	Individual package
PTF-500-10	10-holes for 50ml aperture : 29mm	Individual package
PTF-500-20	20-holes for 50ml aperture : 29mm	Individual package



Bioland™ Biobanking and Cell Culture Cryogenic Tubes

Store samples from general cold storage to the vapor phase of liquid nitrogen with Biobanking and Cell Culture Cryogenic Tubes, Non-cytotoxic, non-mutagenic raw materials and pyrogen-free IVD compatible tubes for added sample security

Certified SAL of 10⁻⁶ for the highest sterility assurance available

Suitable for storage from general cold storage refrigeration (+4°C) down to the vapor phase of liquid nitrogen

Bulk

- External rotating frozen storage tube flat bottom self - standing
- The circular bottom of the inner rotating frozen storage tube has star support feet, which can also be self-supporting
- The cryogenic tube is made of high quality polypropylene test tube, which is not deformed under high temperature and high pressure disinfection
- Large bandwidth white writing area, scale in 0.5 mL increments
- RNase/DNase-free
- Human DNA-free
- Non-pyrogenic
- Non-cytotoxic
- Sterile

Order number	Description	Package
External Cryogenic Tubes		
AC05-10	External screw cap, 1.0ml	50/PK; 500/CS
AC05-20	External screw cap, 2.0ml	50/PK; 500/CS
AC05-50	External screw cap, 5.0ml	50/PK; 500/CS
Internal Cryogenic Tubes		
WC05-10	Internal, 1.0ml, star standing	50/PK; 500/CS
WC05-20	Internal, 2.0ml, star standing	50/PK; 500/CS
WC05-50	Internal, 5.0ml, star standing	50/PK; 500/CS



Bioland™ CryBoxes

Plastic CryBoxes designed to store cryogenic vials and tubes. Choose from a variety of durable plastic styles with keyed lids and printed location grids, or select economical cardboard/chipboard CryBoxes for short-term storage.

Durable, all-plastic CryBoxes for short- or long-term storage

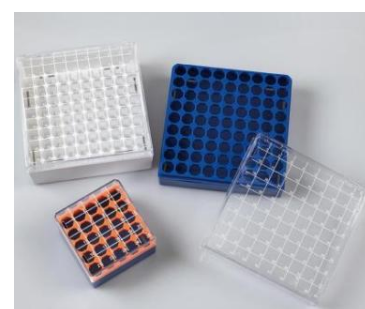
Keyed lids on plastic CryBoxes prevent misalignment

Plastic boxes are autoclavable for decontamination and usable at temperature range from -196°C to +121°C

Printed grid on plastic lids for easy inventory management

- Suitable for storing 25, 81, 100 frozen storage tubes
- Suitable for 1-2ml frozen storage tube
- Clear polycarbonate material
- 5X5, 9 x 9, 10 x 10

Order number	Description	Package
FB07-25	5X5; 25-holes; Grid type	1/PK; 10/CS
FB07-81	9X9; 81-holes; Grid type	1/PK; 10/CS
FB07-100	10X10; 100-holes; Slot type	1/PK; 10/CS



Bioland™ Freezing Container

Freeze cells in tubes from 1 to 5 mL using the Freezing Container. The simple-to-use system is designed to achieve a rate of cooling very close to -1°C/minute, the optimal rate for cell preservation. It holds 12 to 18 tubes, and a screw top lid secures samples inside in the event of accidental container tipping.

- Provides precise cooling rates for frozen cells (approx. -1°C/ min)
- Appropriate amount of isopropyl alcohol should be injected when using
- The top of the cover is designed for easy stacking

Order number	Description	Package
CB07-020	18-holes, Suitable for 1.5 ml and 2.0 ml cryopreserved tubes	1/PK; 50/CS
CB07-050	12-holes, Suitable for 5ml cryopreserved tubes	1/PK; 50/CS



Bioland™ Storage Canes

Store Bioland cryostorage tubes in Storage Canes, available in standard or stepped format to accommodate a variety of vial sizes and designs.

- Made of stainless steel compared to other brands of aluminum heavier, will not float, so there is no need for any fixed.
- It can hold frozen storage tubes with a diameter of 10mm-12.5mm and a length of 25mm-50mm.
- According to the size of the bucket, three models are designed: Type 3 (15cm long), Type 4 (20cm long), Type 5 (25cm long).
- The use is very convenient and flexible, when using, the cell freezing tube or glass ampoule to be frozen on the freezing clip, according to the thickness of the freezing tube or glass ampoule clip adjust the tightness of the freezing clip, and then insert the bucket, and then the bucket can be stored in liquid nitrogen. Because the support strip is heavy, it does not float, so it does not need any fixing. To remove the cells, just push the hole in the corresponding frozen tube or ampoule with your finger to make it exit.

●

Order number	Description	Package
SS-315	Length: 15cm; Can support 3 frozen storage tubes	10/PK; 100/CS
SS-420	Length: 20cm; Can support 4 frozen storage tubes	10/PK; 100/CS
SS-525	Length: 25cm; Can support 5 frozen storage tubes	10/PK; 100/CS



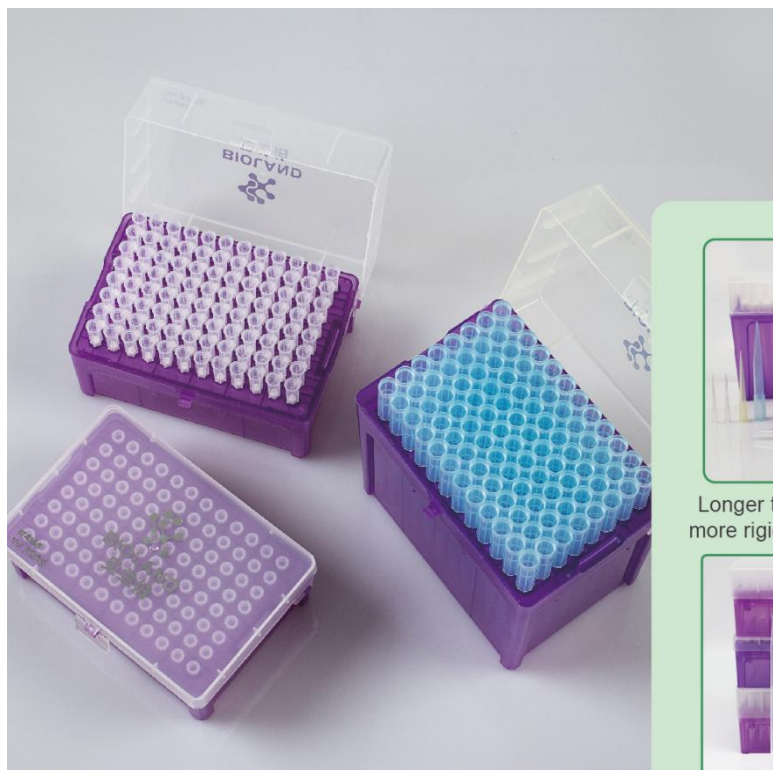
Bioland™ Antifreeze gloves

- Can tolerate - 240 °C low temperature
- The surface of gloves is made of the first layer of cowhide, durable and frost proof
- The inner layer is made of sponge velvet, which is warm, anti-freezing, moisture-absorbent, soft and comfortable
- Available in 6 lengths

Order number	Description	Package
AG05-25	Length: 25cm	1Pair/PK; 120Pair/CS
AG05-30	Length: 30cm	1Pair/PK; 120Pair/CS
AG05-35	Length: 35cm	1Pair/PK; 120Pair/CS
AG05-40	Length: 40cm	1Pair/PK; 120Pair/CS
AG05-45	Length: 45cm	1Pair/PK; 120Pair/CS
AG05-60	Length: 60cm	1Pair/PK; 120Pair/CS



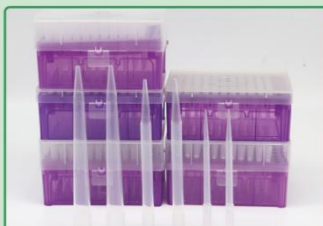
Pipette Tip series



**BIOLAND All Suction
Can Effectively Reduce
Wall-hanging Liquid**



Longer than standard suckers and more rigid than conventional suckers



Ultra-long tube body, can be easily in the bottom of 5ml cryopreservation tube samples



Compared with the traditional suction head more retractable, with a scale



Bioland introduced the stacked suction head, effectively solve the suction head time and labor costs



Light Pipetting Ease up on

To relieve the wrist caused by
repeated pipetting

Clear Display Screen

Equipped with a clear pipette range display. Large font, black and white. It greatly improves the visual comfort and effectively reduces the visual fatigue in long-term work.

Order number	Description	Capacity
4640110BL	Single track; micronozzle	0.2-2ul
4640000BL	Single track; micronozzle	1-10ul
4640010BL	Single track; Universal nozzle	1-10ul
4640020BL	Single track; micronozzle	2-20ul
4640030BL	Single track; Universal nozzle	2-20ul
4640090BL	Single track; Universal nozzle	5-50ul
4640040BL	Single track; Universal nozzle	10-100ul
4640050BL	Single track; Universal nozzle	20-200ul
4640060BL	Single track; Universal nozzle	100-1000ul
4640100BL	Single track; Universal nozzle	0.5-5ml
4640070BL	Single track; Universal nozzle	1-10ml

Order number	Description	Capacity
4660010BL	Eight paths	5-50ul
4660020BL	Eight paths	30-300ul
4660040BL	Eight paths	5-50ul
4660050BL	Eight paths	30-300ul

Bioland™ Micropipette tip(Non-Filtered)

Micropipette tips are made from 100% virgin polypropylene utilizing state of the art molds and molding methods. Micropipette tips are molded with high clarity resin and many include graduation marks and micro point design. Packaging options range from bags to aseptic boxes. Bioland™ bagged suction bags are made of special composite materials for excellent puncture resistance. Can be autoclaved at high temperature.

- RNase/DNase-free
- Human DNA-free
- Non- Pyrogen/Endotoxin
- Non-cytotoxic
- Sterile
- Bioburden
- PCR inhibitors
- Endotoxin ATP

Order number	Description	Package
AT-S10	10ul standard tips, bulk, Clear	1000/PK,10000/CS
AT-10	10ul Extended tips, bulk, Clear	1000/PK,10000/CS
AT-200	200ul Extended tips, bulk, Clear	1000/PK,10000/CS
AT-200Y	200ul standard tips, bulk, Yellow	1000/PK,10000/CS
AT-300	300ul standard tips, bulk, Clear	1000/PK,10000/CS
AT-1250	1250ul standard tips, bulk, Clear	1000/PK,10000/CS
AT-1250B	1250ul Extended tips, bulk, Blue	1000/PK,10000/CS
AT-5000	5ml standard tips, bulk, Clear	100/PK,1000/CS
AT-N5000	5ml standard tips, bulk, Clear, Suitable for Eppendorf pipettes	100/PK,1000/CS
AT-10000	10ml standard tips, bulk, Clear	100/PK,1000/CS
AT-N10000	10ml standard tips, bulk, Clear, Suitable for Eppendorf pipettes	100/PK,1000/CS
Bioland™ Tip in Rack; sterile		
AT-S10-S	10ul Standard tips, Tip in Rack; sterile, Clear	96/Rack, 4800/Cs
AT-10-S	10ul Extended tips, Tip in Rack; sterile, Clear	96/Rack, 4800/Cs
AT-200-S	200ul Extended tips, Tip in Rack; sterile, Clear	96/Rack, 4800/Cs
AT-200Y-S	200ul Standard tips, Tip in Rack; sterile, Yellow	96/Rack, 4800/Cs
AT-200X-S	200ul Extra long tips, Tip in Rack; sterile, Clear	96/Rack, 4800/Cs
AT-300-S	300ul Extended tips, Tip in Rack; sterile, Clear	96/Rack, 4800/Cs
AT-1250-S	1250ul Extended tips, Tip in Rack; sterile, Clear	96/Rack, 2880/Cs
AT-1250B-S	1250ul Extended tips, Tip in Rack; sterile, Blue	96/Rack, 2880/Cs
AT-5000-S	5ml Standard tips, Tip in Rack; sterile, Clear	40/Rack, 600/Cs
AT-N5000-S	5ml Standard tips, Tip in Rack; sterile, Clear, Suitable for Eppendorf pipettes	24/Rack, 360/Cs
AT-10000-S	10ml standard tips, bulk, Clear	24/Rack, 360/Cs
AT-N10000-S	10ml standard tips, bulk, Clear,Suitable for Eppendorf pipettes	24/Rack, 360/Cs

Bioland™ Refill Micropipette tip

Refill packing is more economical than boxed packing. More convenient than bulk, no need to insert the tip in the rack.

Still upset about being a sucker? Still worried about the price of a box of suckers? Bioland introduced the stacked suction head effectively solves the suction head generation time and the labor cost aseptic stacked design cost may reduce to other brand bag price.



Order number	Description	Package
Bioland™ Refill tips; sterile		
AT-10-SS	10ul Extended tips, Refill tip; sterile, Clear	480/PK, 4800/CS
AT-200-SS	200ul Extended tips, Refill tip; sterile, Clear	480/PK, 4800/CS
AT-1250-SS	1250ul Extended tips, Refill tip; sterile, Clear	384/PK, 3840/CS

Bioland™ Filter pipette tip

The filter element is made of ultra-high molecular weight polyethylene and has good hydrophobicity. The filter element effectively forms a protective structure between the pipette and the sample to ensure the safety of sampling;

Reduce the harm of the gas residue in the gun body to the operator during the pipetting process and improve the repeatability of the experiment.

Provides low adsorption and ordinary filter element suction head, no coating design, will not contaminate the sample, low adsorption suction head surface is completely hydrophobic treatment. Can be autoclaved at high temperature. Available in sterile racks and ordinary bulks.



Order number	Description	Package
Bioland™ Filter pipette tip		
ATF-10-S	10ul tips, Tip in Rack; sterile, Clear	96/Rack, 4800/Cs
ATF-20-S	20ul tips, Tip in Rack; sterile, Clear	96/Rack, 4800/Cs
ATF-S20-S	10ul tips, Tip in Rack; sterile, Clear, Suitable for micro connector pipettes	96/Rack, 4800/Cs
ATF-50-S	50ul tips, Tip in Rack; sterile, Clear	96/Rack, 4800/Cs
ATF-100-S	100ul tips, Tip in Rack; sterile, Clear	96/Rack, 4800/Cs
ATF-200-S	200ul tips, Tip in Rack; sterile, Clear	96/Rack, 4800/Cs
ATF-300-S	300ul tips, Tip in Rack; sterile, Clear	96/Rack, 4800/Cs
ATF-1250-S	1250ul tips, Tip in Rack; sterile, Clear	96/Rack, 2880/Cs

ATF-5000-S	5ml tips, Tip in Rack; sterile, Clear	40/Rack, 600/Cs
ATF-N5000-S	5ml tips, Tip in Rack; sterile, Clear, Suitable for Eppendorf pipettes	24/Rack, 360/Cs
ATF-N10000-S	10ml tips, Tip in Rack; sterile, Clear, Suitable for Eppendorf pipettes	24/Rack, 360/Cs
ATF-10000-S	10ml tips, Tip in Rack; sterile, Clear	24/Rack, 360/Cs

Bioland™ Barrier Extended Length Pipette Tips

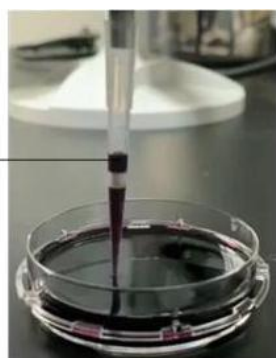
Barrier Extended Length Pipette Tips provides maximum protection against aerosols. The Barrier Extended Length Pipette Tips greatly reduced the aerosol and liquid pollution, and more safely protected our experimental personnel and pipette. Sterile tips are DNase, RNase, DNA, ATP, PCR Inhibitor, and Endotoxin Free

Recommended for:

- Liquid Handling
- Molecular Biology
- PCR
- Biotechnology

General filter Tips

Pipette contamination

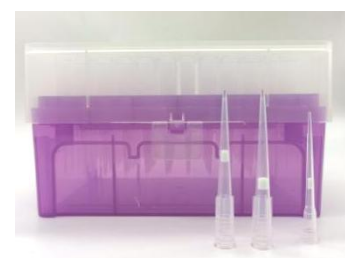


Self-sealing filter element pipette tips

No pollution



Order number	Description	Package
Bioland™ Barrier Extended Length Pipette Tips, Sterile		
ATF-10-A-S	10ul, Tip in Rack, Clear, Length:43.5mm	96/Rack, 4800/Cs
ATF-20-A-S	20ul, Tip in Rack, Clear, Length:50.5mm	96/Rack, 4800/Cs
ATF-50-A-S	50ul, Tip in Rack, Clear, Length:50.5mm	96/Rack, 4800/Cs
ATF-100-A-S	100ul, Tip in Rack, Clear, Length:50.5mm	96/Rack, 4800/Cs
ATF-200-A-S	200ul, Tip in Rack, Clear, Length: 59mm	96/Rack, 4800/Cs
ATF-200X-A-S	200ul Extra long,Tip in Rack, Clear, Length:89mm	96/Rack, 2880/Cs
ATF-300-A-S	300ul,Tip in Rack, Clear, Length:89mm	96/Rack, 2880/Cs
ATF-1250-A-S	1250ul,Tip in Rack, Clear, Length:118mm	96/Rack, 2880/Cs



Bioland™ Pipette Tip Racks

Order number	Description	
TEB-10	Suitable for Bioland 10ul Pipette Tip ; 96 holes	50/CS
TEB-200	Suitable for Bioland 200ul Pipette Tip ; 96 holes	50/CS
TEB-1250	Suitable for Bioland 1250ul Pipette Tip ; 96 holes	30/CS
TEB-5000	Suitable for Bioland 5ml Pipette Tip; 40 holes	15/CS
TEB-N5000	Suitable for Bioland 5ml Pipette Tip; 24 holes	15/CS
TEB-10000	Suitable for Bioland 10ml Pipette Tip; 24 holes	15/CS





Bioland column pipette Tips——Special Tips for RAININ brand

Pipette pipette Tips are disposable, adaptive pipette Tips for accurate, and consistent transfer of small amounts of liquid in a variety of research applications.

Bioland column pipette heads are made of medical-grade polypropylene, high temperature sterilizable and chemically stable. The connector has a cylindrical design that perfectly matches pipettes designed with a light touch Tip LTS system.

For more effective prevention of cross contamination, pipette tips with filter elements are provided. The filter element is made of sintered high density polyethylene particles to block the mist and protect the pipette from contamination.

In order to meet the needs of different customers, we provide four packaging methods: bag, box, filter cartridge box and stack.

Order NO.	Description	Package
Bioland™ pipette Tips; Bulk, RNase/DNase-free, Human DNA-free, Non-pyrogenic		
A-LTS-20	10ul, 20ul; Bulk	1000pcs/Pk; 10Pk/Cs
A-LTS-200	200ul; Bulk	1000pcs/Pk; 10Pk/Cs
A-LTS-300	300ul; Bulk	1000pcs/Pk; 10Pk/Cs
A-LTS-1250	1000ul; Bulk	1000pcs/Pk; 10Pk/Cs

Order NO.	Description	Package
Bioland™ pipette Tips; Rack; Sterile, RNase/DNase-free, Human DNA-free, Non-pyrogenic		
A-LTS-20-S	10ul, 20ul; Sterile, Rack	96pcs/Box; 4880Pcs/Cs
A-LTS-200-S	200ul; Sterile, Rack	96pcs/Box; 4880Pcs/Cs
A-LTS-300-S	300ul; Sterile, Rack	96pcs/Box; 4880Pcs/Cs
A-LTS-1250-S	1000ul; Sterile, Rack	96pcs/Box; 4880Pcs/Cs

Order NO.	Description	Package
Bioland™ Filter Pipette Tips; Sterile, RNase/DNase-free, Human DNA-free, Non-pyrogenic		
ATF-LTS-20	10ul, 20ul; Bulk	1000pcs/Pk; 10Pk/Cs
ATF-LTS-200	200ul; Bulk	1000pcs/Pk; 10Pk/Cs
ATF-LTS-300	300ul; Bulk	1000pcs/Pk; 10Pk/Cs
ATF-LTS-1250	1000ul; Bulk	1000pcs/Pk; 10Pk/Cs
ATF-LTS-20-S	10ul, 20ul; Sterile, Rack	96pcs/Box; 4880Pcs/Cs
ATF-LTS-200-S	200ul; Sterile, Rack	96pcs/Box; 4880Pcs/Cs
ATF-LTS-300-S	300ul; Sterile, Rack	96pcs/Box; 4880Pcs/Cs
ATF-LTS-1250-S	1000ul; Sterile, Rack	96pcs/Box; 2880Pcs/Cs

Order NO.	Description	Package
Bioland™ Refill Pipette Tips; Sterile, RNase/DNase-free, Human DNA-free, Non-pyrogenic		
A-LTS-20-SS	10ul, 20ul; Sterile, Refill	960Pcs/Rack; 10Rack/Cs
A-LTS-200-SS	200ul; Sterile, Refill	960Pcs/Rack; 10Rack/Cs
A-LTS-300-SS	300ul; Sterile, Refill	768Pcs/Rack; 10Rack/Cs
A-LTS-1250-SS	1000ul; Sterile, Refill	768Pcs/Rack; 10Rack/Cs

Bioland™ Reagent Reservoirs

- Suitable for 8-channel or 12-channel pipette or 8-channel, 12-channel, 96-hole, 384-hole automatic pipette station;
- Low residue, low metal content, high temperature autoclave sterilization

Order number	Description	Package
SLG08-20	8 channel storage tanks; 20ml/ channel	5/PK; 50/CS
SLG08-20-S	8 channel storage tanks; 20ml/ channel; Sterile	5/PK; 50/CS
SLG12-14	12 channel storage tanks; 14ml/ channel	5/PK; 50/CS
SLG12-14-S	12 channel storage tanks; 14ml/ channel; Sterile	5/PK; 50/CS
SLG96-195	96 hole storage tank; 195ml	5/PK; 50/CS
SLG96-195-S	96 hole storage tank; 195ml; Sterile	5/PK; 50/CS
SLG384-185	384 hole storage tank; 185ml	5/PK; 50/CS
SLG384-185-S	384 hole storage tank; 185ml; Sterile	5/PK; 50/CS



Bioland™ Pipettor tip fitting table

Pipette brand	Gilson	Eppendorf	Thermo	Brand	Rainin	Be common	Sartorius	DragonLab
AT-10	Yes	Yes	Yes	Yes		Yes	Yes	Yes
AT-200	Yes	Yes	Yes	Yes		Yes	Yes	Yes
AT-300	Yes	Yes	Yes	Yes		Yes	Yes	Yes
AT-1250	Yes	Yes	Yes	Yes		Yes	Yes	Yes
AT-5000	No	No	Yes	Yes		No	No	No
AT-N5000	No	Yes	No	No		No	Yes	Yes
AT-10000	Yes	No	Yes	No		Yes	To be verified	No
AT-N10000	No	Yes	No	Yes		No	To be verified	Yes
AT-10-S	Yes	Yes	Yes	Yes		Yes	Yes	Yes
AT-200-S	Yes	Yes	Yes	Yes		Yes	Yes	Yes
AT-300-S	Yes	Yes	Yes	Yes		Yes	Yes	Yes
AT-1250-S	Yes	Yes	Yes	Yes		Yes	Yes	Yes
AT-5000-S	No	No	Yes	Yes		No	No	No
AT-N5000-S	No	Yes	No	No		No	Yes	Yes
AT-10000-S	Yes	No	Yes	No		Yes	To be verified	No
AT-N10000-S	No	Yes	No	Yes		No	To be verified	Yes
ATF-10	Yes	Yes	Yes	Yes		Yes	Yes	Yes
ATF-20	Yes	Yes	Yes	Yes		Yes	Yes	Yes
ATF-50	Yes	Yes	Yes	Yes		Yes	Yes	Yes
ATF-100	Yes	Yes	Yes	Yes		Yes	Yes	Yes
ATF-200	Yes	Yes	Yes	Yes		Yes	Yes	Yes
ATF-1250	Yes	Yes	Yes	Yes		Yes	Yes	Yes
ATF-10-S	Yes	Yes	Yes	Yes		Yes	Yes	Yes
ATF-20-S	Yes	Yes	Yes	Yes		Yes	Yes	Yes
ATF-50-S	Yes	Yes	Yes	Yes		Yes	Yes	Yes
ATF-100-S	Yes	Yes	Yes	Yes		Yes	Yes	Yes
ATF-200-S	Yes	Yes	Yes	Yes		Yes	Yes	Yes
ATF-1250-S	Yes	Yes	Yes	Yes		Yes	Yes	Yes
ATF-5000-S	No	No	Yes	Yes		No	No	No
ATF-N5000-S	No	Yes	No	No		No	Yes	Yes
ATF-10000-S	Yes	No	Yes	No		No	To be verified	No
ATF-N10000-S	No	Yes	No	Yes		Yes	To be verified	Yes
AT-10-SS	Yes	Yes	Yes	Yes		Yes	Yes	Yes
AT-200-SS	Yes	Yes	Yes	Yes		Yes	Yes	Yes
AT-1250-SS	Yes	Yes	Yes	Yes		Yes	Yes	Yes

Elisa Plate Series



The enzyme label plate is a plate used for enzyme-linked immunosorbent assay (Elisa) on the enzyme label instrument. In enzyme-linked immunosorbent assay (Elisa) , antigens, antibodies and other biological molecules are adsorbed to the surface of the plate through various mechanisms, and then react with the sample and the antigen or antibody in different steps, the enzyme marker is used for detection

Bioland™ Elisa plate/ Clear Flat-Bottom Immuno 96-Well Plates

Clear plate is suitable for quantitative and qualitative solid-phase immunoassay and combination assay.

Clear polystyrene

Choice of four surfaces for optimal binding

Alphanumerically labeled rows and columns

The black plate is suitable for fluorescence immunoassay and combination assay.

The white plate is suitable for self-luminescence and chemiluminescence;

Suitable for most standard equipment



Bioland™ Elisa plate There are three levels of protein adsorption:

Low binding power: preferentially binding molecules containing significant hydrophobic regions (lipids, lipoproteins, large proteins)

Intermediate binding power: Binding biomolecules with hydrophilic/hydrophobic properties (medium and large proteins, immunoglobulins, albumin)

High binding power: Preference for biomolecules with hydrophilic/hydrophobic properties (small to large proteins, immunoglobulins, albumin, LPS, proteins)

Bioland™ Immunoplate Plate type(96well plate)

Order number	Description	Package
PT06-96I	Clear; Medium binding force; F-bottom 85.4*127.6*14.4	10/PK; 100/CS
PT06-96S	Clear; High binding force; F-bottom, 85.4*127.6*14.4	10/PK; 100/CS
PW06-96I	White; Medium binding force; F-bottom, 85.4*127.6*14.4	10/PK; 100/CS
PW06-96S	White; High binding force; F-bottom, 85.4*127.6*14.4	10/PK; 100/CS
PB06-96I	Black; Medium binding force; F-bottom, 85.4*127.6*14.4	10/PK; 100/CS
PB06-96S	Black; High binding force; F-bottom, 85.4*127.6*14.4	10/PK; 100/CS

Bioland™ Immunoplate Strip Single Well

Order number	Description	Package
PT06-1ID	Clear; Medium binding force; C-bottom, 85.4*127.6*14.4	10/PK; 100/CS
PT06-1SD	Clear; High binding force; C-bottom, 85.4*127.6*14.4	10/PK; 100/CS
PW06-1ID	White; Medium binding force; C-bottom, 85.4*127.6*14.4	10/PK; 100/CS
PW06-1SD	White; High binding force; C-bottom, 85.4*127.6*14.4	10/PK; 100/CS

Bioland™ Immunoplate Strip 8-Well

Order number	Description	Package
PT06-8ID	Clear; Medium binding force; F-bottom, 85.4*127.6*14.4	10/PK; 100/CS
PT06-8SD	Clear; High binding force; F-bottom, 85.4*127.6*14.4	10/PK; 100/CS
PW06-8ID	White; Medium binding force; F-bottom, 85.4*127.6*14.4	10/PK; 100/CS
PW06-8SD	White; High binding force; F-bottom, 85.4*127.6*14.4	10/PK; 100/CS
PB06-8ID	Black; Medium binding force; F-bottom, 85.4*127.6*14.4	10/PK; 100/CS
PB06-8SD	Black; High binding force; F-bottom, 85.4*127.6*14.4	10/PK; 100/CS

Bioland™ Immunoplate Strip 12-Well

Order number	Description	Package
PT06-12ID	Clear; Medium binding force; F-bottom, 85.4*127.6*14.4	10/PK; 100/CS
PT06-12SD	Clear; High binding force; F-bottom, 85.4*127.6*14.4	10/PK; 100/CS
PW06-12ID	White; Medium binding force; F-bottom, 85.4*127.6*14.4	10/PK; 100/CS
PW06-12SD	White; High binding force; F-bottom, 85.4*127.6*14.4	10/PK; 100/CS
PB06-12ID	Black; Medium binding force; F-bottom, 85.4*127.6*14.4	10/PK; 100/CS
PB06-12SD	Black; High binding force; F-bottom, 85.4*127.6*14.4	10/PK; 100/CS

Bioland™ Deep Well Plate / storage plate

Bioland also dedicated to developing and manufacturing various products for sample storage.

Bioland Deep Well Plates are suitable for various experiments in the field of biology such as HTS applicable assay, sample storage, cell culture and more. Deep Well Plates which are made of high quality polypropylene display high chemical resistance to most polar organic solvents, acids and weak bases. Deep Well Plates are designed with numbers and alphabets on the top to allow for easy sampling.

Applicable to: KingFisher, Tianlong, Huada, Aikang, Kehua, Shengxiang, Da'an, Capp, Zhijiang Biology, ABI, Roche, Beckman, Eppendorf, Bori, Qingdao Lubo, Hangzhou Youning and other models

- Easy to transport and storage, layered (stacking)
- For multi-channel pipette and automatic equipment
- Numeric labeling
- Available Storage at -80~121°C
- Non-pyrogenic
- DNase/RNase-free
- Human DNA-free
- Autoclavable;
- Little residue, low metal content;
- Max. RCF: 4000g x g
- Polypropylene material;
- Good stability; Excellent chemical resistance, can withstand DMSO, phenols, chloroform, inert to water
- 96-well 2.2ml can be used for magnetic bead extraction kit, suitable for nucleic acid extraction instrument of multiple manufacturers
- Can choose self-adhesive sealing plate film, silicone sealing pad, heat sealing film three sealing plate sealing methods



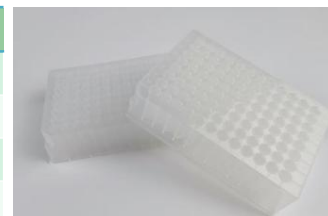
Bioland™ Square-well storage plate/deep-well plate

Order number	Description	Package
SBS24-10-V	Square-well; 24-well; 10ml; V-bottom	5/PK; 50/CS
SBS24-10-V-S	Square-well; 24-well; 10ml; Sterile, V-bottom	5/PK; 50/CS
SBS48-46-U	Square-well; 48-well; 4.6ml; U-bottom	5/PK; 50/CS
SBS48-46-U-S	Square-well; 48-well; 4.6ml; U-bottom, Sterile	5/PK; 50/CS
SBS96-G22-U	I-shaped, Square-well; 96-well; 2.2ml; U-bottom	5/PK; 50/CS
SBS96-G22-U-S	I-shaped, Square-well; 96-well; 2.2ml; U-bottom, Sterile	5/PK; 50/CS
SBS96-22-U	Square-well; 96-well; 2.2ml; U-bottom	5/PK; 50/CS
SBS96-22-U-S	Square-well; 96-well; 2.2ml; U-bottom, Sterile	5/PK; 50/CS
SBS96-22-V	Square-well; 96-well; 2.2ml; V-bottom	5/PK; 50/CS
SBS96-22-V-S	Square-well; 96-well; 2.2ml; V-bottom, Sterile	5/PK; 50/CS
SBS96-22-C	Square-well; 96-well; 2.2ml; Conical bottom	5/PK; 50/CS
SBS96-22-C-S	Square-well; 96-well; 2.2ml; Conical bottom, Sterile	5/PK; 50/CS
SBS96-16-U	Square-well; 96-well; 1.6ml; U-bottom	5/PK; 50/CS
SBS96-16-U-S	Square-well; 96-well; 1.6ml; U-bottom, Sterile	5/PK; 50/CS
SBS96-16-V	Square-well; 96-well; 1.6ml; V-bottom	5/PK; 50/CS
SBS96-16-V-S	Square-well; 96-well; 1.6ml; V-bottom, Sterile	5/PK; 50/CS
SBS96-13-U	Square-well; 96-well; 1.0ml/1.3ml; U-bottom	10/PK; 100/CS
SBS96-13-U-S	Square-well; 96-well; 1.0ml/1.3ml; U-bottom, Sterile	10/PK; 100/CS
SBS96-500-C	Square-well; 96-well; 500ul; Conical bottom	10/PK; 100/CS
SBS96-500-C-S	Square-well; 96-well; 500ul; Conical bottom, Sterile	10/PK; 100/CS
SBS384-240-V	Square-well; 384-well; 240ul; Conical bottom	5/PK; 50/CS
SBS384-240-V-S	Square-well; 384-well; 240ul; Conical bottom, Sterile	5/PK; 50/CS



Bioland™ Round-well storage plate/deep-well plate

Order number	Description	Package
SBC48-35-U	Round-well; 48-well; 3.5ml; U-bottom	5/PK; 50/CS
SBC48-35-U-S	Round-well; 48-well; 3.5ml; U-bottom, Sterile	5/PK; 50/CS
SBC96-20-U	Round-well; 96-well; 2.0ml; U-bottom	5/PK; 50/CS
SBC96-20-U-S	Round-well; 96-well; 2.0ml; U-bottom, Sterile	5/PK; 50/CS
SBC96-12-U	Round-well; 96-well; 1.3ml; U-bottom	5/PK; 50/CS
SBC96-12-U-S	Round-well; 96-well; 1.3ml; U-bottom, Sterile	5/PK; 50/CS
SBC96-10-U	Round-well; 96-well; 1.0ml; U-bottom	5/PK; 50/CS
SBC96-10-U-S	Round-well; 96-well; 1.0ml; U-bottom, Sterile	5/PK; 50/CS
SBC96-10-V	Round-well; 96-well; 1.0ml; V-bottom	5/PK; 50/CS
SBC96-10-V-S	Round-well; 96-well; 1.0ml; V-bottom, Sterile	5/PK; 50/CS
SBC96-400-U	Round-well; 96-well; 400ul; U-bottom	10/PK; 100/CS
SBC96-400-U-S	Round-well; 96-well; 400ul; U-bottom, Sterile	10/PK; 100/CS
SBC96-360-V	Round-well; 96-well; 360ul; V-bottom	10/PK; 100/CS
SBC96-360-V-S	Round-well; 96-well; 360ul; V-bottom, Sterile	10/PK; 100/CS



Bioland™ Seals, Tapes, and Foils

- Provide three kinds of sealing plate products: silicone sealing pad, self-adhesive sealing plate film, heat sealing plate film
- Silicone sealing pad can be pierced



Bioland™ 96-Well Cap Mats

Order number	Description	Package
SBS01-24	24-well; Square well; 17.2x17.2mm, Autoclavable	10/PK; 50/Box
SBS01-48	48-well; rectangle-well; 8.4x17.2mm, Autoclavable	10/PK; 50/Box
SBS01-96	96-well; Square well; 8.4x8.4mm, Autoclavable	10/PK; 50/Box
SBC01-96X	96-well; Round well; Φ8.3mm, Autoclavable	10/PK; 50/Box
SBC01-96	96-well; Round well; Φ7.3mm, Autoclavable	10/PK; 50/Box
SBC01-96PCR	PCR 96-well; Round well; Φ5.7mm, Autoclavable	10/PK; 50/Box
SBS01-384	96-well; Square well; 3.4x3.4mm, Autoclavable	10/PK; 50/Box



Bioland™ Self-adhesive aluminum film

SF125-841	130mm*78.3mm	100/Box
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Bioland™ Heat sealing film

SF125-842	Length * Width:125x82mm; Smooth; piercable	100/Box
SF125-843	Length * Width:125x82mm; Smooth; Thicken; impenetrable	100/Box
SF125-844	Length * Width:125x82mm; Pitted surface; Thicken; piercable	100/Box
SF125-845	Length * Width:125x82mm; Pitted surface; Thicken; impenetrable	100/Box

Bioland™ 8 Strip Tip Comb

- Used with Bioland™ nucleic acid extraction square well deep well plate
- Bioland™ magnetic sleeve are available in 8, 12, 24 and 96 sizes
- Suitable for 2.0ml/2.2ml deep well plate
- Suitable for most nucleic acid extractors



Order number	Description	Package
SBS08-96	8 Strip Tip Comb; Standard type	2 PCS/bag; 100 PCS/CS
SBS08-96S	8 Strip Tip Comb; Standard type; Sterile	2 PCS/bag; 100 PCS/CS
SBS08S-96	8 Strip Tip Comb; No handle model	2 PCS/bag; 100 PCS/CS
SBS08S-96S	8 Strip Tip Comb; Without handle; Sterile	2 PCS/bag; 100 PCS/CS
SBS08J-96	8 Strip Tip Comb; Wide back style	2 PCS/bag; 100 PCS/CS
SBS08J-96S	8 Strip Tip Comb; Wide back style; Sterile	2 PCS/bag; 100 PCS/CS
SBS08C-96	8 Strip Tip Comb; With buckle; Cone bottom	2 PCS/bag; 100 PCS/CS
SBS08C-96S	8 Strip Tip Comb; With buckle; Cone bottom; Sterile	2 PCS/bag; 100 PCS/CS
SBS08N-96	8 Strip Tip Comb; With buckle; Round bottom	2 PCS/bag; 100 PCS/CS
SBS08N-96S	8 Strip Tip Comb; With buckle; Round bottom; Sterile	2 PCS/bag; 100 PCS/CS
SBS12-96	12 Strip Tip Comb	2 PCS/bag; 100 PCS/CS
SBS12-96S	12 Strip Tip Comb; Sterile	2 PCS/bag; 100 PCS/CS
SBS24S-96	24 Strip Tip Comb; Thin sleeve;	2 PCS/bag; 30 PCS/CS
SBS24S-96S	24 Strip Tip Comb; Thin sleeve; Sterile	2 PCS/bag; 30 PCS/CS
SBS24-96	24 Strip Tip Comb; Large capacity standard model	1 PCS/bag; 30 PCS/CS
SBS24-96S	24 Strip Tip Comb; Large capacity standard model; Sterile	1 PCS/bag; 30 PCS/CS
SBS24L-96	24 Strip Tip Comb; Large capacity standard model	1 PCS/bag; 30 PCS/CS
SBS24L-96S	24 Strip Tip Comb; Large capacity standard model; Sterile	1 PCS/bag; 30 PCS/CS
SBS96-96	Magnetic sleeve 96 tip column	2 PCS/bag; 30 PCS/CS
SBS96-96S	Magnetic sleeve 96 tip column; Sterile	2 PCS/bag; 30 PCS/CS



Sample Tubes Freezing Series

Bioland™ Sample Tubes Freezing Series

Bioland™ Micro Tubes

Screw Cap Micro Tubes robust design and material selection are well suited for work with biologics and offer rich features, including ultra-clear externally threaded tubes and UV protective amber tubes.

Packaged in bulk bags and non-sterile clean claims are;

RNase/DNase, DNA, pyrogen and endotoxin free.

Screw Cap micro tube volume range of 0.5, 1.5 and 2.0ml and are ideal for sample preparation, storage and transportation

Conical bottom or self standing offered with knurls in ultra clear natural or UV protective amber color

Tether caps and standard non tether caps are available in a rainbow of color options

- Autoclavable and can be frozen and thawed repeatedly
- RNase/DNase-free
- Human DNA-free
- Non- Pyrogen/Endotoxin
- Non-cytotoxic
- Sterile packaging is also available in small package sizes of 100 PCS/pallet
- Cap colors available: red, orange, yellow, green, blue, pink, purple, white, brown, natural colors

Bioland™ Natural Screw Cap Micro Tubes

Order number	Description	Package
ST05-005	0.5ml; Skirted;	500/PK; 5000/CS
ST05-005-S	0.5ml; Skirted; Sterile	500/PK; 5000/CS
ST05-015	1.5ml; Skirted;	500/PK; 5000/CS
ST05-015-S	1.5ml; Skirted;Sterile	500/PK; 5000/CS
ST05-015N	1.5ml; No-Skirted;	500/PK; 5000/CS
ST05-015N-S	1.5ml; No-Skirted; Sterile	500/PK; 5000/CS
ST05-020	2.0ml; Skirted;	500/PK; 5000/CS
ST05-020-S	2.0ml; Skirted; Sterile	500/PK; 5000/CS



Bioland™ Amber Screw Cap Micro Tubes

Order number	Description	Package
STA05-005	0.5ml; Not Clear Amber, Skirted;	500/PK; 5000/CS
STA05-005-S	0.5ml; Not Clear Amber, Skirted; Sterile	500/PK; 5000/CS
STA05-015	1.5ml; Not Clear Amber, Skirted;	500/PK; 5000/CS
STA05-015-S	1.5ml; Not Clear Amber, Skirted; Sterile	500/PK; 5000/CS
STA05-020	2.0ml; Not Clear Amber, Skirted;	500/PK; 5000/CS
STA05-020-S	2.0ml; Not Clear Amber, Skirted; Sterile	500/PK; 5000/CS
STB05-005	0.5ml; Semi-clear Amber; Skirted;	500/PK; 5000/CS
STB05-005-S	0.5ml; Semi-clear Amber; Skirted; Sterile	500/PK; 5000/CS
STB05-015	1.5ml; Semi-clear Amber; Skirted;	500/PK; 5000/CS
STB05-015-S	1.5ml; Semi-clear Amber; Skirted; Sterile	500/PK; 5000/CS
STB05-020	2.0ml; Semi-clear Amber; Skirted;	500/PK; 5000/CS
STB05-020-S	2.0ml; Semi-clear Amber; Skirted; Sterile	500/PK; 5000/CS
STX05-005	0.5ml; Not Clear Brownish yellow, Skirted;	500/PK; 5000/CS
STX05-005-S	0.5ml; Not Clear Brownish yellow, Skirted; Sterile	500/PK; 5000/CS
STX05-015	1.5ml; Not Clear Brownish yellow, Skirted;	500/PK; 5000/CS
STX05-015-S	1.5ml; Not Clear Brownish yellow, Skirted; Sterile	500/PK; 5000/CS
STX05-020	2.0ml; Not Clear Brownish yellow, Skirted;	500/PK; 5000/CS
STX05-020-S	2.0ml; Not Clear Brownish yellow, Skirted; Sterile	500/PK; 5000/CS



Bioland™ Tether Screw Cap Micro Tubes

Order number	Description	Package
ST05-005-C	0.5ml; Tether caps; White mark; Skirted;	500/PK; 5000/CS
ST05-005-C-S	0.5ml; Tether caps; White mark; Skirted; Sterile	500/PK; 5000/CS
ST05-015-C	1.5ml; Tether caps; White mark; Skirted;	500/PK; 5000/CS
ST05-015-C-S	1.5ml; Tether caps; White mark; Skirted; Sterile	500/PK; 5000/CS
ST05-015N-C	1.5ml; Tether caps; Skirted;	500/PK; 5000/CS
ST05-015N-C-S	1.5ml; Tether caps; Skirted; Sterile	500/PK; 5000/CS
ST05-020-C	1.5ml; Tether caps; White mark; Skirted;	500/PK; 5000/CS
ST05-020-C-S	1.5ml; Tether caps; White mark; Skirted; Sterile	500/PK; 5000/CS
STB05-005-C	0.5ml; Tether caps; Semi-clear amber ; Skirted;	500/PK; 5000/CS
STB05-005-C-S	0.5ml; Tether caps; Semi-clear amber; Skirted; Sterile	500/PK; 5000/CS
STB05-015-C	1.5ml; Tether caps; Semi-clear amber ; Skirted;	500/PK; 5000/CS
STB05-015-C-S	1.5ml; Tether caps; Semi-clear amber; Skirted; Sterile	500/PK; 5000/CS
STB05-015N-C	1.5ml; Tether caps; Semi-clear amber ; No-Skirted;	500/PK; 5000/CS
STB05-015N-C-S	1.5ml; Tether caps; Semi-clear amber; No-Skirted; Sterile	500/PK; 5000/CS
STB05-020-C	2.0ml; Tether caps; Semi-clear amber ; Skirted;	500/PK; 5000/CS
STB05-020-C-S	2.0ml; Tether caps; Semi-clear amber; Skirted; Sterile	500/PK; 5000/CS



Bioland™ 5ml Screw Cap Micro Tubes, Skirted

- There is a risk of leakage of 5-7ml pressed sample tubes under high and low negative pressures
- The 5-7ml sample tube can be selected with screw cap and snap cap

Order number	Description	Package
ST05-050	5ml; Screw cap; With washer; With scale;	300/PK; 3000/CS
ST05-050-S	5ml; Screw cap; With washer; With scale; Sterile	300/PK; 3000/CS
ST05-S50	5ml; Screw cap; With washer; With scale;	300/PK; 3000/CS
ST05-S50-S	5ml; Screw cap; With washer; With scale; Sterile	300/PK; 3000/CS
ST05-507	5-7ml; Screw cap	200/PK; 2000/CS
ST05-507-S	5-7ml; Screw cap, Sterile	200/PK; 2000/CS
STP05-507	5-7ml; Snap cap	200/PK; 2000/CS
STP05-507-S	5-7ml; Snap cap, Sterile	200/PK; 2000/CS



Bioland™ 13mm Sample tube color cap

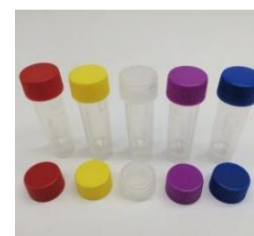
- Color caps help customers distinguish between samples and reagents
- 13mm sample tube color cap can be adapted to 0.5ml, 1.5ml, 2.0ml
- And 1.5ml non-selfstand sample tubes
- RNase/DNase-free
- Human DNA-free
- Non- Pyrogen/Endotoxin
- Non-cytotoxic
- Sterile packaging was also provided



Order number	Description	Package
Bioland™13mm Sample tube color cap		
ST05-2R	13mm Sample tube color cap; Red	500/PK; 10PK/CS
ST05-2O	13mm Sample tube color cap;Orange	500/PK; 10PK/CS
ST05-2Y	13mm Sample tube color cap;Yellow	500/PK; 10PK/CS
ST05-2G	13mm Sample tube color cap;Green	500/PK; 10PK/CS
ST05-2B	13mm Sample tube color cap;Blue	500/PK; 10PK/CS
ST05-2P	13mm Sample tube color cap;Pink	500/PK; 10PK/CS
ST05-2V	13mm Sample tube color cap;Violet	500/PK; 10PK/CS
ST05-2W	13mm Sample tube color cap;White	500/PK; 10PK/CS
ST05-2A	13mm Sample tube color cap;Amber	500/PK; 10PK/CS
ST05-2N	13mm Sample tube color cap; Natural	500/PK; 10PK/CS

Bioland™ 18mm Sample tube color cap

- Color caps help customers distinguish between samples and reagents
- 18mm sample tube color cap can be adapted to 5ml tubes
- RNase/DNase-free
- Human DNA-free
- Non- Pyrogen/Endotoxin
- Non-cytotoxic
- Sterile packaging was also provided



Order NO.	Description	Package
ST05-5R	18mm Sample tube color cap; Red	300/PK; 10PK//CS
ST05-5O	18mm Sample tube color cap;Orange	300/PK; 10PK//CS
ST05-5Y	18mm Sample tube color cap;Yellow	300/PK; 10PK//CS
ST05-5G	18mm Sample tube color cap;Green	300/PK; 10PK//CS
ST05-5B	18mm Sample tube color cap;Blue	300/PK; 10PK//CS
ST05-5P	18mm Sample tube color cap;Pink	300/PK; 10PK//CS
ST05-5V	18mm Sample tube color cap;Violet	300/PK; 10PK//CS
ST05-5W	18mm Sample tube color cap;White	300/PK; 10PK//CS
ST05-5A	18mm Sample tube color cap;Amber	300/PK; 10PK//CS
ST05-5N	18mm Sample tube color cap; Natural	300/PK; 10PK//CS

Reagent Bottles Series



Resin		LDPE	HDPE	PP	PC	PET
Maximum Service Temperature °C		80	120	135	135	70
HDT Temperature°C		45	65	107	138	70
Embrittlement Temperature°C		-100	-100	0	-135	-40
Clear		Half Clear	Half Clear	Half Clear	Half Clear	Half Clear
High temperature and pressure sterilization		No	No	Yes	Yes	No
Sterilization	Gas	Yes	Yes	Yes	Yes	Yes
	Dry Heat	No	No	No	No	No
	Radiation	Yes	Yes	No	Yes	Yes
	Disinfectant	Yes	Yes	Yes	Yes	Part
Specific gravity		0.92	0.95	0.9	1.2	1.27
Flexibility		Excellent	Rigid	Rigid	Rigid	Medium
Permeability cc.-mil/100in ² -24 hr.-atm)	N ₂	180	42	48	50	10
	O ₂	500	185	240	300	25
	CO ₂	2700	580	800	1075	125

Notes:

1. Autoclaving is recommended at 121 ° C, 15 PSIG (1 bar) for 20 minutes.
2. For best results, use a low exhaust cycle.
3. Please unscrew or place the cap on the bottle, do not screw the seal before the operation of the Bioland[®] product

Bioland™ Narrow-Mouth PP Bottles with Closure: Autoclavable

Perform lab applications requiring excellent chemical resistance and autoclaving

Polypropylene copolymer bottles are translucent, providing good clarity for viewing contents.

Made from high-quality, laboratory-grade plastic materials for dependably low leachables and extractables.

Linerless caps provide the ultimate in leakproof protection without the use of a liner that can wrinkle, cause leaks, or contaminate your reagents

- Autoclavable
- Leakproof design
- Manufactured from non-toxic materials
- RNase/DNase-free
- Ideal for storing, sampling, transporting and packaging products
- Note: Completely disengage threads or remove cap before autoclaving.



Order number	Description	Package
Bioland™ Narrow-Mouth PP Bottles with Closure: Autoclavable; RNase/DNase-free		
NB05-4	4ml; PP bottle body; PP bottle cap	50/PK; 500/CS
NB05-8	8ml; PP bottle body; PP bottle cap	50 PCS/tray; 500 PCS/CS
NB05-15	15ml; PP bottle body; PP bottle cap	50 PCS/tray; 500 PCS/CS
NB05-30	30ml; PP bottle body; PP bottle cap	50 PCS/tray; 500 PCS/CS
NB05-60	60ml; PP bottle body; PP bottle cap	50 PCS/tray; 500 PCS/CS
NB05-125	125ml; PP bottle body; PP bottle cap	50 PCS/tray; 250 PCS/CS
NB05-250	250ml; PP bottle body; PP bottle cap	25 PCS/tray; 125 PCS/CS
NB05-500	500ml; PP bottle body; PP bottle cap	10/PK; 100/CS
NB05-1000	1000ml; PP bottle body; PP bottle cap	6/PK; 48/CS
NB05-2000	2000ml; PP bottle body; PP bottle cap	Individual packaging; 25/CS
Bioland™ Narrow-Mouth PP Bottles with Closure: Autoclavable; RNase/DNase-free; Sterile		
NB05-4-S	4ml; PP bottle body; PP bottle cap; Sterile	50/PK; 500/CS
NB05-8-S	8ml; PP bottle body; PP bottle cap; Sterile	50 PCS/tray; 500 PCS/CS
NB05-15-S	15ml; PP bottle body; PP bottle cap; Sterile	50 PCS/tray; 500 PCS/CS
NB05-30-S	30ml; PP bottle body; PP bottle cap; Sterile	50 PCS/tray; 500 PCS/CS
NB05-60-S	60ml; PP bottle body; PP bottle cap; Sterile	50 PCS/tray; 500 PCS/CS
NB05-125-S	125ml; PP bottle body; PP bottle cap; Sterile	50 PCS/tray; 250 PCS/CS
NB05-250-S	250ml; PP bottle body; PP bottle cap; Sterile	25 PCS/tray; 125 PCS/CS
NB05-500-S	500ml; PP bottle body; PP bottle cap; Sterile	10/PK; 100/CS
NB05-1000-S	1000ml; PP bottle body; PP bottle cap; Sterile	6/PK; 48/CS
NB05-2000-S	2000ml; PP bottle body; PP bottle cap; Sterile	Individual packaging; 25/CS
Bioland™ Narrow-Mouth PP Bottles with Closure: Autoclavable; RNase/DNase-free; Bulk Pack		
NBG05-4	4ml; PP bottle body; PP bottle cap	500/CS
NBG05-8	8ml; PP bottle body; PP bottle cap	500/CS
NBG05-15	15ml; PP bottle body; PP bottle cap	500/CS
NBG05-30	30ml; PP bottle body; PP bottle cap	500/CS
NBG05-60	60ml; PP bottle body; PP bottle cap	500/CS
NBG05-125	125ml; PP bottle body; PP bottle cap	250/CS
NBG05-250	250ml; PP bottle body; PP bottle cap	125/CS
NBG05-500	500ml; PP bottle body; PP bottle cap	100/CS
NBG05-1000	1000ml; PP bottle body; PP bottle cap	48/CS

Bioland™ Round Narrow-Mouth HDPE Bottles

- Ideal for packaging and shipping liquids, Bioland Round Narrow-Mouth HDPE Bottles are highly reliable and durable for long-term use, and offer excellent chemical resistance.
- These semi-rigid, translucent, all-purpose bottles are specifically designed for long-term, demanding lab use and offer excellent chemical resistance.
- Linerless polypropylene closures ensure leakproof† protection without the use of liner that can wrinkle, cause leaks or contaminate your reagents
- Made only from high quality, laboratory-grade plastic materials for dependably low leachables and extractables.
- Uniform walls provide durability and resistance to splitting or punctures
- Leakproof
- Can be used in a freezer up to -100°C (-149°F)
- Versatile and indispensable in the lab
- Manufactured from non-toxic materials
- RNase/DNase-free
- Sterile and non-sterile are provided



Order number	Description	Package
Bioland™ Narrow-Mouth HDPE Lab Quality Bottles with Closure		
NB02-4	4ml; HDPE bottle body; PP bottle cap	50/PK; 500/CS
NB02-8	8ml; HDPE bottle body; PP bottle cap	50 PCS/tray; 500 PCS/CS
NB02-15	15ml; HDPE bottle body; PP bottle cap	50 PCS/tray; 500 PCS/CS
NB02-30	30ml; HDPE bottle body; PP bottle cap	50 PCS/tray; 500 PCS/CS
NB02-60	60ml; HDPE bottle body; PP bottle cap	50 PCS/tray; 500 PCS/CS
NB02-125	125ml; HDPE bottle body; PP bottle cap	50 PCS/tray; 250 PCS/CS
NB02-250	250ml; HDPE bottle body; PP bottle cap	25 PCS/tray; 125 PCS/CS
NB02-500	500ml; HDPE bottle body; PP bottle cap	10/PK; 100/CS
NB02-1000	1000ml; HDPE bottle body; PP bottle cap	6/PK; 48/CS
NB02-2000	2000ml; HDPE bottle body; PP bottle cap	Individual packaging; 25/CS
Bioland™ Narrow-Mouth HDPE Lab Quality Bottles with Closure; Sterile		
NB02-4-S	4ml; HDPE bottle body; PP bottle cap; Sterile	50/PK; 500/CS
NB02-8-S	8ml; HDPE bottle body; PP bottle cap; Sterile	50 PCS/tray; 500 PCS/CS
NB02-15-S	15ml; HDPE bottle body; PP bottle cap; Sterile	50 PCS/tray; 500 PCS/CS
NB02-30-S	30ml; HDPE bottle body; PP bottle cap; Sterile	50 PCS/tray; 500 PCS/CS
NB02-60-S	60ml; HDPE bottle body; PP bottle cap; Sterile	50 PCS/tray; 500 PCS/CS
NB02-125-S	125ml; HDPE bottle body; PP bottle cap; Sterile	50 PCS/tray; 250 PCS/CS
NB02-250-S	250ml; HDPE bottle body; PP bottle cap; Sterile	25 PCS/tray; 125 PCS/CS
NB02-500-S	500ml; HDPE bottle body; PP bottle cap; Sterile	10/PK; 100/CS
NB02-1000-S	1000ml; HDPE bottle body; PP bottle cap; Sterile	6/PK; 48/CS
NB02-2000-S	2000ml; HDPE bottle body; PP bottle cap; Sterile	Individual packaging; 25/CS
Bioland™ Narrow-Mouth HDPE Lab Quality Bottles with Closure; Bulk Pack		
NBG02-4	4ml; HDPE bottle body; PP bottle cap	500/CS
NBG02-8	8ml; HDPE bottle body; PP bottle cap	500/CS
NBG02-15	15ml; HDPE bottle body; PP bottle cap	500/CS
NBG02-30	30ml; HDPE bottle body; PP bottle cap	500/CS
NBG02-60	60ml; HDPE bottle body; PP bottle cap	500/CS
NBG02-125	125ml; HDPE bottle body; PP bottle cap	250/CS
NBG02-250	250ml; HDPE bottle body; PP bottle cap	125/CS
NBG02-500	500ml; HDPE bottle body; PP bottle cap	100/CS
NBG02-1000	1000ml; HDPE bottle body; PP bottle cap	48/CS

Bioland™ Round Narrow-Mouth Amber HDPE Bottles



Order number	Capacity	Package
Bioland™ Narrow-Mouth Amber HDPE Lab Quality Bottles with Closure		
ANB02-4	4ml; HDPE bottle body; PP bottle cap; Amber	50/PK; 500/CS
ANB02-8	8ml; HDPE bottle body; PP bottle cap; Amber	50 PCS/tray; 500 PCS/CS
ANB02-15	15ml; HDPE bottle body; PP bottle cap; Amber	50 PCS/tray; 500 PCS/CS
ANB02-30	30ml; HDPE bottle body; PP bottle cap; Amber	50 PCS/tray; 500 PCS/CS
ANB02-60	60ml; HDPE bottle body; PP bottle cap; Amber	50 PCS/tray; 500 PCS/CS
ANB02-125	125ml; HDPE bottle body; PP bottle cap; Amber	50 PCS/tray; 250 PCS/CS
ANB02-250	250ml; HDPE bottle body; PP bottle cap; Amber	25 PCS/tray; 125 PCS/CS
ANB02-500	500ml; HDPE bottle body; PP bottle cap; Amber	10/PK; 100/CS
ANB02-1000	1000ml; HDPE bottle body; PP bottle cap; Amber	6/PK; 48/CS
ANB02-2000	2000ml; HDPE bottle body; PP bottle cap; Amber	Individual packaging; 25/CS
Bioland™ Narrow-Mouth Amber HDPE Lab Quality Bottles with Closure; Sterile		
ANB02-4-S	4ml; HDPE bottle body; PP bottle cap; Sterile; Amber	50/PK; 500/CS
ANB02-8-S	8ml; HDPE bottle body; PP bottle cap; Sterile; Amber	50 PCS/tray; 500 PCS/CS
ANB02-15-S	15ml; HDPE bottle body; PP bottle cap; Sterile; Amber	50 PCS/tray; 500 PCS/CS
ANB02-30-S	30ml; HDPE bottle body; PP bottle cap; Sterile; Amber	50 PCS/tray; 500 PCS/CS
ANB02-60-S	60ml; HDPE bottle body; PP bottle cap; Sterile; Amber	50 PCS/tray; 500 PCS/CS
ANB02-125-S	125ml; HDPE bottle body; PP bottle cap; Sterile; Amber	50 PCS/tray; 250 PCS/CS
ANB02-250-S	250ml; HDPE bottle body; PP bottle cap; Sterile; Amber	25 PCS/tray; 125 PCS/CS
ANB02-500-S	500ml; HDPE bottle body; PP bottle cap; Sterile; Amber	10/PK; 100/CS
ANB02-1000-S	1000ml; HDPE bottle body; PP bottle cap; Sterile; Amber	6/PK; 48/CS
ANB02-2000-S	2000ml; HDPE bottle body; PP bottle cap; Sterile; Amber	Individual packaging; 25/CS
Bioland™ Narrow-Mouth Amber HDPE Lab Quality Bottles with Closure; Bulk Pack		
ANBG02-4	4ml; HDPE bottle body; PP bottle cap; Amber	500/CS
ANBG02-8	8ml; HDPE bottle body; PP bottle cap; Amber	500/CS
ANBG02-15	15ml; HDPE bottle body; PP bottle cap; Amber	500/CS
ANBG02-30	30ml; HDPE bottle body; PP bottle cap; Amber	500/CS
ANBG02-60	60ml; HDPE bottle body; PP bottle cap; Amber	500/CS
ANBG02-125	125ml; HDPE bottle body; PP bottle cap; Amber	250/CS
ANBG02-250	250ml; HDPE bottle body; PP bottle cap; Amber	125/CS
ANBG02-500	500ml; HDPE bottle body; PP bottle cap; Amber	100/CS
ANBG02-1000	1000ml; HDPE bottle body; PP bottle cap; Amber	48/CS

Bioland™ Wide-Mouth PP Bottles with Closure, Autoclavable

- Store specimens where autoclaving is required with Made from high-quality, laboratory-grade plastic materials for reliably low leachables and extractables.
- Excellent chemical resistance to most acids, bases and alcohol
- Translucent for easy viewing of liquid levels
- Wide mouth for easy filling
- Linerless polypropylene closures ensure leakproof† protection without the use of liner that can wrinkle, cause leaks or contaminate your reagents
- Autoclavable
- Leakproof design
- RNase/DNase-free
- Manufactured from non-toxic materials
- Sterile and non-sterile are provided

Note: Completely disengage threads or remove cap before autoclaving.



Order number	Description	Package
Bioland™ Wide-Mouth Lab Quality PP Bottles with Closure; RNase/DNase-free		
WB05-30	30ml; PP bottle body; PP bottle cap	50/Tray; 500/CS
WB05-60	60ml; PP bottle body; PP bottle cap	50/Tray; 500/CS
WB05-125	125ml; PP bottle body; PP bottle cap	50/Tray; 250/CS
WB05-250	250ml; PP bottle body; PP bottle cap	25/Tray; 125/CS
WB05-500	500ml; PP bottle body; PP bottle cap	10/PK; 100/CS
WB05-1000	1000ml; PP bottle body; PP bottle cap	6/Pk; 48/CS
WB05-2000S	2000ml; PP bottle body; PP bottle cap; caliber 63mm	Individual packaging; 25/CS
WB05-2000	2000ml; PP bottle body; PP bottle cap	Individual packaging; 25/CS
WB05-4000S	4000ml; PP bottle body; PP bottle cap; caliber 63mm	Individual packaging; 6/CS
WB05-4000	4000ml; PP bottle body; PP bottle cap	Individual packaging; 6/CS
Bioland™ Wide-Mouth PP Bottles with Closure; RNase/DNase-free; Sterile		
WB05-30-S	30ml; PP bottle body; PP bottle cap; Sterile	50/Tray; 500/CS
WB05-60-S	60ml; PP bottle body; PP bottle cap; Sterile	50/Tray; 500/CS
WB05-125-S	125ml; PP bottle body; PP bottle cap; Sterile	50/Tray; 250/CS
WB05-250-S	250ml; PP bottle body; PP bottle cap; Sterile	25/Tray; 125/CS
WB05-500-S	500ml; PP bottle body; PP bottle cap; Sterile	10/PK; 100/CS
WB05-1000-S	1000ml; PP bottle body; PP bottle cap; Sterile	6/Pk; 48/CS
WB05-2000S-S	2000ml; PP bottle body; PP bottle cap; caliber 63mm; Sterile	Individual packaging; 25/CS
WB05-2000-S	2000ml; PP bottle body; PP bottle cap; Sterile	Individual packaging; 25/CS
WB05-4000S-S	4000ml; PP bottle body; PP bottle cap; caliber 63mm; Sterile	Individual packaging; 6/CS
WB05-4000-S	4000ml; PP bottle body; PP bottle cap; Sterile	Individual packaging; 6/CS
Bioland™ Wide-Mouth PP Bottles with Closure; RNase/DNase-free; Bulk Pack		
WBG05-30	30ml; PP bottle body; PP bottle cap	500/CS
WBG05-60	60ml; PP bottle body; PP bottle cap	500/CS
WBG05-125	125ml; PP bottle body; PP bottle cap	250/CS
WBG05-250	250ml; PP bottle body; PP bottle cap	125/CS
WBG05-500	500ml; PP bottle body; PP bottle cap	100/CS
WBG05-1000	1000ml; PP bottle body; PP bottle cap	48/CS

Bioland™ Wide-Mouth HDPE Bottles with Closure

- Wide-Mouth HDPE Bottles Ideal for storing, sampling, transporting and packaging products. excellent chemical resistance to most acids, bases and alcohols and are suitable for freezer use to -100°C .Leakproof design.
- Made only from high-quality, laboratory-grade plastic materials for dependably low leachables and extractables.
- uniform walls provide durability and resistance to splitting or punctures
- Linerless caps provide the ultimate in leakproof† protection without the use of a liner that can wrinkle, cause leaks, or contaminate your reagents
- RNase/DNase-free
- Manufactured from non-toxic materials
- Sterile and non-sterile are provided



Order number	Description	Package
Bioland™ Wide-Mouth Lab Quality HDPE Bottles; RNase/DNase-free		
WB02-30	30ml; HDPE bottle body; PP bottle cap	50/Tray; 500/CS
WB02-60	60ml; HDPE bottle body; PP bottle cap	50/Tray; 500/CS
WB02-125	125ml; HDPE bottle body; PP bottle cap	50/Tray; 250/CS
WB02-250	250ml; HDPE bottle body; PP bottle cap	25/Tray; 125/CS
WB02-500	500ml; HDPE bottle body; PP bottle cap	10/PK; 100/CS
WB02-1000	1000ml; HDPE bottle body; PP bottle cap	6/Pk; 48/CS
WB02-2000S	2000ml; HDPE bottle body; PP bottle cap; Caliber:63mm	Individual packaging; 25/CS
WB02-2000	2000ml; HDPE bottle body; PP bottle cap	Individual packaging; 25/CS
WB02-4000S	4000ml; HDPE bottle body; PP bottle cap; Caliber:63mm	Individual packaging; 6/CS
WB02-4000	4000ml; HDPE bottle body; PP bottle cap	Individual packaging; 6/CS
Bioland™ Wide-Mouth Lab Quality HDPE Bottles; RNase/DNase-free;Sterile		
WB02-30-S	30ml; HDPE bottle body; PP bottle cap	50/Tray; 500/CS
WB02-60-S	60ml; HDPE bottle body; PP bottle cap	50/Tray; 500/CS
WB02-125-S	125ml; HDPE bottle body; PP bottle cap	50/Tray; 250/CS
WB02-250-S	250ml; HDPE bottle body; PP bottle cap	25/Tray; 125/CS
WB02-500-S	500ml; HDPE bottle body; PP bottle cap	10/PK; 100/CS
WB02-1000-S	1000ml; HDPE bottle body; PP bottle cap	6/Pk; 48/CS
WB02-2000S-S	2000ml; HDPE bottle body; PP bottle cap; Caliber:63mm	Individual packaging; 25/CS
WB02-2000-S	2000ml; HDPE bottle body; PP bottle cap	Individual packaging; 25/CS
WB02-4000S-S	4000ml; HDPE bottle body; PP bottle cap; Caliber:63mm	Individual packaging; 6/CS
WB02-4000-S	4000ml; HDPE bottle body; PP bottle cap	Individual packaging; 6/CS
Bioland™ Wide-Mouth HDPE Bottles; RNase/DNase-free; Bulk Pack		
WBG02-30	30ml; HDPE bottle body; PP bottle cap	500/CS
WBG02-60	60ml; HDPE bottle body; PP bottle cap	500/CS
WBG02-125	125ml; HDPE bottle body; PP bottle cap	250/CS
WBG02-250	250ml; HDPE bottle body; PP bottle cap	125/CS
WBG02-500	500ml; HDPE bottle body; PP bottle cap	100/CS
WBG02-1000	1000ml; HDPE bottle body; PP bottle cap	48/CS

Bioland™ Wide-Mouth Amber HDPE Bottles with Closure

For light sensitive materials



Order number	Description	Package
Bioland™ Wide-Mouth Lab Quality Amber HDPE Bottles; RNase/DNase-free		
AWB02-30	30ml; HDPE bottle body; PP bottle cap; Amber	50/Tray; 500/CS
AWB02-60	60ml; HDPE bottle body; PP bottle cap; Amber	50/Tray; 500/CS
AWB02-125	125ml; HDPE bottle body; PP bottle cap; Amber	50/Tray; 250/CS
AWB02-250	250ml; HDPE bottle body; PP bottle cap; Amber	25/Tray; 125/CS
AWB02-500	500ml; HDPE bottle body; PP bottle cap; Amber	10/PK; 100/CS
AWB02-1000	1000ml; HDPE bottle body; PP bottle cap; Amber	6/Pk; 48/CS
AWB02-2000S	2000ml; HDPE bottle body; PP bottle cap; Caliber:63mm; Amber	Individual packaging; 25/CS
AWB02-2000	2000ml; HDPE bottle body; PP bottle cap; Amber	Individual packaging; 25/CS
AWB02-4000S	4000ml; HDPE bottle body; PP bottle cap; Caliber:63mm; Amber	Individual packaging; 6/CS
AWB02-4000	4000ml; HDPE bottle body; PP bottle cap; Amber	Individual packaging; 6/CS
Bioland™ Wide-Mouth Lab Quality Amber HDPE Bottles; RNase/DNase-free; Sterile		
AWB02-30-S	30ml; HDPE bottle body; PP bottle cap; Amber; Sterile	50/Tray; 500/CS
AWB02-60-S	60ml; HDPE bottle body; PP bottle cap; Amber; Sterile	50/Tray; 500/CS
AWB02-125-S	125ml; HDPE bottle body; PP bottle cap; Amber; Sterile	50/Tray; 250/CS
AWB02-250-S	250ml; HDPE bottle body; PP bottle cap; Amber; Sterile	25/Tray; 125/CS
AWB02-500-S	500ml; HDPE bottle body; PP bottle cap; Amber; Sterile	10/PK; 100/CS
AWB02-1000-S	1000ml; HDPE bottle body; PP bottle cap; Amber; Sterile	6/Pk; 48/CS
AWB02-2000S-S	2000ml; HDPE bottle body; PP bottle cap; Caliber:63mm; Amber; Sterile	Individual packaging; 25/CS
AWB02-2000-S	2000ml; HDPE bottle body; PP bottle cap; Amber; Sterile	Individual packaging; 25/CS
AWB02-4000S-S	4000ml; HDPE bottle body; PP bottle cap; Caliber:63mm; Amber; Sterile	Individual packaging; 6/CS
AWB02-4000-S	4000ml; HDPE bottle body; PP bottle cap; Amber; Sterile	Individual packaging; 6/CS
Bioland™ Wide-Mouth Lab Quality Amber HDPE Bottles; RNase/DNase-free; 大 Package		
AWBG02-30	30ml; HDPE bottle body; PP bottle cap; Amber	500/CS
AWBG02-60	60ml; HDPE bottle body; PP bottle cap; Amber	500/CS
AWBG02-125	125ml; HDPE bottle body; PP bottle cap; Amber	250/CS
AWBG02-250	250ml; HDPE bottle body; PP bottle cap; Amber	125/CS
AWBG02-500	500ml; HDPE bottle body; PP bottle cap; Amber	100/CS
AWBG02-1000	1000ml; HDPE bottle body; PP bottle cap; Amber	48/CS

Bioland™ Heavy-Duty Vacuum Bottles with Closure

- Hold full vacuum for up to 24 hours with Heavy-Duty PP Vacuum Bottles.
- Ideal for heavy-duty biotechnology lab use,
- these thick-walled bottles can withstand repeated room-temperature vacuum applications.
- Use as a waste aspirator bottle or as an autoclavable vessel for scaleup activities
- in cell culture applications.
- The bottle cap is designed to withstand wear and tear, and the wide diameter thick
- and durable vacuum bottle has ultra-high strength
- Reinforced polypropylene white cap design with gasket for complete leak proof
- Bioland™ vacuum bottles are available in polypropylene, HDPE and amber HDPE
- For the storage and transportation of liquids and dry materials, as well as storage tanks and waste containers for automated instruments. Each bottle can be equipped with a three-way cap.
- For liquid dispenser or rehydration device



Order number	Capacity	Height	Outside diameter	Inner diameter of bottle mouth	Package
Bioland™ Heavy-Duty PP Vacuum Bottles with Closure; leakproof					
PB05-1000	1000ml	228mm	88mm	39mm	25/CS
PB05-2000	2000ml	260mm	119mm	39mm	20/CS
PB05-4000	4000ml	335mm	154mm	64mm	6/CS
Bioland™ Heavy-Duty HDPE Vacuum Bottles with Closure; leakproof					
PB02-1000	1000ml	228mm	88mm	39mm	25/CS
PB02-2000	2000ml	260mm	119mm	39mm	20/CS
PB02-4000	4000ml	335mm	154mm	64mm	6/CS

Bioland™ Polypropylene, Carboy with Handle

- Autoclavable Carboys for large batches of culture media, vaccine product production, bulk media and chemical storage. These carboys feature a large mouth for easy filling/dispensing, and are made of natural polypropylene with white 83B polypropylene closure and TPE (thermoplastic elastomer) gasket.
- Round design, graduated, leak-proof, excellent chemical resistance, wide shoulders with handles for easy handling and dumping
- Storage vats with drain taps are ideal for storing and distributing solutions, media, distilled water, reagents, etc. Polypropylene storage VAT can be high temperature autoclave sterilization, used to store solvents, media, reagents, vaccines, etc. Compared with HDPE, LDPE uses fewer catalysts and is more suitable for containing reagents sensitive to polymerization catalysts



- Amber HDPE storage vats are the best choice for storing and mixing photosensitive chemicals, reagents, buffers and standards
- There are options with and without a Spigot
- Note: Completely disengage threads or remove cap before autoclaving.

Order number	Capacity	Height	Outside diameter	Inner diameter of bottle mouth	Package
Bioland™ Polypropylene, Carboy with Handle; leak-proof					
B05-10L	10L	389mm	250mm	64mm	1/PK
B05-20L	20L	528mm	286mm	64mm	1/PK
B05-50L	50L	678mm	379mm	64mm	1/PK
Bioland™ Polypropylene, Carboy with Handle; with Spigot ; leak-proof					
FB05-10L	10L	389mm	250mm	64mm	1/PK
FB05-20L	20L	528mm	286mm	64mm	1/PK
FB05-50L	50L	678mm	379mm	64mm	1/PK
Bioland™ Brown polypropylene, Carboy brown Handle; leak-proof					
B05-10L-B	10L	389mm	250mm	64mm	1/PK

Bioland™ Filling/Venting Closures

- Made of white polypropylene with a white gold silicone hose, the SC05-3-64 series is available in two diameters
- Bioland™ special three-way cover can be used for solvent dispensing, waste liquid collection, rehydration and more



Order number	Description	Package
SC05-3-39	Three-way cover; Cover size 53mm tube diameter 6.35mm; Suitable for Bioland™ 1000ml, 2000ml vacuum bottles	1/PK
SC05-3-64A	Three-way cover; Cover size 83mm tube diameter 6.35mm; Suitable for Bioland™ 4000ml, 5000ml vacuum bottles and vats	1/PK
SC05-3-64B	Three-way cover; Cover size 83mm Tube diameter 12.7mm; Suitable for Bioland™ 4000ml, 5000ml vacuum bottles and vats	1/PK
SC05-53B	Standard cover; Bioland 1 liter, 2 liter vacuum pressure bottles	1/PK
SC05-83B	Standard cover; Suitable for Bioland 4 L, 10 L, 20 L, 50 L vats	1/PK

Bioland™ Special Spigot

- Made of white/blue polypropylene material; The connector is made of high density polyethylene
- Bioland™ special faucet can be connected to 16mm hose
- Equipped with 6-8mm hose connector
- Suitable for Bioland™ storage vats with drain spout



Order number	Description	Package
WT05-10	Suitable for FB05-10L, FB05-20L, FB05-50L, FB04-10L, FB04-20L, FB04-50L	1/PK

Bioland™ Powder free latex gloves

- Easy to access, easy to wear
- Thickened treatment, excellent flexibility
- The original Asian hand-shaped design, both hands can be used, can not be divided into left and right hands
- Pure natural latex, glove surface powder free

Order NO.	Description	Package
Bioland™ Powder free latex gloves		
B02-120-A	6-7cm; XS	100Pcs/PK; 10Pk/Cs
B02-120-B	7-8cm; S	100Pcs/PK; 10Pk/Cs
B02-120-C	8-9cm; M	100Pcs/PK; 10Pk/Cs
B02-120-D	9-10cm; L	100Pcs/PK; 10Pk/Cs
Bioland™ Powder free latex gloves; Sterile		
B03-120-B	6-7cm; XS	30Pairs/PK; 10Pk/Cs
B03-120-C	7-8cm; S	30Pairs/PK; 10Pk/Cs
B03-120-D	8-9cm; M	30Pairs/PK; 10Pk/Cs



Bioland™ Nitrile gloves

- Excellent high-density material, tensile resistance and durability
- Fingertip pitting increases friction and improves sensitivity and handling
- Anti-skid, anti-oil, excellent grip strength
- Excellent puncture resistance, enhanced plasticity, strong gloves puncture resistance

Order NO.	Description	Package
Bioland™ Nitrile gloves		
B04-120-B	7-8cm; S	100Pcs/PK; 10Pk/Cs
B04-120-C	8-9cm; M	100Pcs/PK; 10Pk/Cs
B04-120-D	9-10cm; L	100Pcs/PK; 10Pk/Cs



Bioland™ Disposable masks

- Moisture-proof layer - non-woven fabric: using ultra-soft fine fiber, good skin affinity, excellent comfort
- Ultra-soft fine fiber layer - non-woven fabric: with acid, alkali, moisture resistance and other properties
- Filter layer - filter cloth: The use of anti-bacterial filter paper can effectively hinder bacterial dust, thereby reducing bacterial invasion

Order NO.	Description	Package
M2007-B	Blue; 17x9.5cm	50Pcs/Box; 10Box/Cs



Bioland™ Goggles

- Widen the flanks: effectively prevent splashing into the eyes, more comprehensive protection, more secure
- PC lens: polycarbonate reinforced lens anti-impact, anti-scratch, anti-strong UV
- Comfortable nose support: ergonomic design, comfortable to wear, not easy to fall off, reduce the burden of the nose
- Telescopic mirror legs: four adjustable telescopic mirror legs, with personal face shape, can be adjusted at will



Order NO.	Description	Package
G2007-N	Dark blue frame; The mirror leg is adjustable; PC lens	1Pair/Pk; 12Pairs/Box

Bioland™ Anti-fog goggles

- PC material: High transparency, impact resistance, effective protection of eyes
- Nose bridge design: Special nose bridge design, more soft, more fit
- Vent design: effectively prevent lens fog obstructing vision
- Effective blocking 99% UV



Order NO.	Description	Package
AG2007-T	PC material: High transparency	1Pair/Pk; 12Pairs/Box

Bioland™ Anti-splash face screen

- Made of plexiglass material
- New style, strong protective performance, comfortable to wear
- Impact resistance, high temperature resistance, acid and alkali resistance, anti-splash
- Headwear: light and durable, flexible structure, comfortable to wear



Order NO.	Description	Package
F2007-T	plexiglass material	1Pair/Pk; 12Pairs/Box

Bioland™ uvex™ Customized myopia goggles

- Perfect for Asian face shape and optimal protection
- The polycarbonate lenses together with the transparent flanks provide comprehensive protection
- Optical Level 1 panorama is a lens that gives a wide field of view
- Wrap the legs to ensure a perfect fit to the head
- Weighs only 26g
- Best wear comfort
- Compliant with European Standard (EN), National Standard (GB), American standard (ANSI)
- Available in three leg colors: dark blue, sky blue, black



Order NO.	Description	Package
MG2007-N	measured degree	1 glasses/Box

Bioland™ Lab emergency eye wash device

Fixed dust protection for outdoor operation

Function: eye wash, dust

Working pressure: 0.20-0.40Mpa

Flow rate: Spray :2.0-3.0/ Eye wash :0.2-0.3

Laboratory emergency eye wash device is a safe eye wash protection device for special working oc chemical, pharmaceutical, and petroleum



Order NO.	Description	Package
EW2007-P	Lab emergency eye wash device	1Set/Cs

Bioland™ Vertical eye wash device

- Easy to operate, high strength, firm structure
- Bright yellow nano ABS coating, coating thickness is 250-300 microns
- Good oil resistance, acid resistance, alkali resistance, salt solution and other properties
- Luminous safety signage may also be added
- Can be equipped with pedals, hands and feet linkage, more convenient and fast
- Widely used in petroleum, chemical industry, electronics, electric power, electroplating, paper making, semiconductor, environmental protection, printing and dyeing textile, construction, food, new energy, machinery manufacturing, automobile and ship repair, casting, painting, and other fields.



Order NO.	Description	Package
EW2007-V	Vertical eye wash device	1 Set/Cs

Bioland™ Multi-functional eye washing device

- Anti-corrosion treatment, stainless steel and ABS coating.
- Bright yellow ABS coating, coating thickness of 250-300 microns
- Shower head 120-180 L/min Eye washer nozzle 12 L/min
- Has good resistance to oil, acid, alkali, salt solution performance.
- Pedal can be added, hand and foot linkage control, more convenient and fast.
- Lighting device can be added
- Can be added anti - freezing evacuation device, electric heating device
- Widely used in petroleum, chemical industry, electronics, electric power, electroplating, paper making, semiconductor, environmental protection, printing and dyeing textile, construction, food, new energy, machinery manufacturing, automobile and ship repair, casting, spray paint, and other fields.



Order NO.	Description	Package
EW2007-C		1 Set/Cs

Bioland™ Membrane Filter Series



Applications: Routine filtration, chromatography sample filtration, environmental monitoring and analysis, gas filtration, biological liquid clarification or sterilization filtration



Bioland™ Microporous filtration membrane

Available microporous filtration membranes include: polyether sulfone membrane (PES), mixed cellulose membrane (MCE), Nylon (Nylon), polyvinylidene fluoride membrane (PVDF), polytetrafluoroethylene membrane (PTFE), polypropylene membrane (PP), glass fiber membrane (GF), cellulose acetate membrane (CA), cellulose nitrate membrane (NC), etc. Diameter 13mm ~ 293mm, aperture 0.1μm ~ 10μm, etc., at the same time can be customized according to user needs of other specifications of the disc film.

In particular, 0.7μm/1.0μm/1.2μm/1.6μm/2.7μm glass fiber membrane has a wide range of applications in kit production, DNA adsorption and purification, food industry and protein precipitation.

High porosity

High flow rate

High purity

High strength

Diversification of membrane size



Bioland™ Cellulose acetate filter membrane (CA filter membrane)

- Made of pure cellulose acetate, it is ideal for biological sample preparation, clinical analysis, sterility testing and scintillation count testing.
- The protein adsorption of cellulose acetate is extremely low
- Naturally hydrophilic, suitable for aqueous solution and alcohol medium
- Compared with ordinary vinegar fiber membrane, it has higher solvent resistance, especially to low molecular alcohols
- Improved thermal stability and physical strength, can withstand 180°C high temperature
- Suitable for all sterilization methods without damaging the integrity of the membrane



Order NO.	Description	Package
CA13-022	Diameter 13mm;Pore size 0.22um	200Pcs/PK
CA13-045	Diameter 13mm;Pore size 0.45um	200Pcs/PK
CA25-022	Diameter 25mm;Pore size 0.22um	50Pcs/PK; 100Pcs/Box
CA25-045	Diameter 25mm;Pore size 0.45um	50Pcs/PK; 100Pcs/Box
CA47-022	Diameter 47mm;Pore size 0.22um	50Pcs/PK; 100Pcs/Box
CA47-045	Diameter 47mm;Pore size 0.45um	50Pcs/PK; 100Pcs/Box
CA50-022	Diameter 50mm;Pore size 0.22um	50Pcs/PK; 100Pcs/Box
CA50-045	Diameter 50mm;Pore size 0.45um	50Pcs/PK; 100Pcs/Box
CA90-022	Diameter 90mm;Pore size 0.22um	50Pcs/PK

CA90-045	Diameter 90mm;Pore size 0.45um	50Pcs/PK
CA142-022	Diameter 142mm;Pore size 0.22um	50Pcs/PK
CA142-045	Diameter 142mm;Pore size 0.45um	50Pcs/PK

Bioland™ Nitrocellulose filter membrane (NC filter membrane)

Nitrocellulose membranes (NC membranes) are used in most everyday applications and are produced under strictly controlled conditions. Bioland™ nitrocellulose membranes ensure a very narrow pore size distribution and extremely low extraction dissolution levels, with excellent biocompatibility, increased strength and flexibility, all of which can benefit the end user.

The nitrocellulose membrane is more robust and can maintain the integrity of the membrane itself during the whole process of picking, loading and sterilization

Maintained good integrity after sterilization at 121°C

Fold shrinkage is low

Accurate aperture distribution improves surface capture and analysis

Low level of dissolution ensures sample integrity

Sample preparation, water quality analysis, food and beverage quality control, aqueous filtration, bactericidal filtration, mycoplasma removal



Order NO.	Description	Package
NC13-022	Diameter 13mm;Pore size 0.22um	200Pcs/PK
NC13-045	Diameter 13mm;Pore size 0.45um	200Pcs/PK
NC25-022	Diameter 25mm;Pore size 0.22um	50Pcs/PK; 100Pcs/Box
NC25-045	Diameter 25mm;Pore size 0.45um	50Pcs/PK; 100Pcs/Box
NC47-022	Diameter 47mm;Pore size 0.22um	50Pcs/PK; 100Pcs/Box
NC47-045	Diameter 47mm;Pore size 0.45um	50Pcs/PK; 100Pcs/Box
NC50-022	Diameter 50mm;Pore size 0.22um	50Pcs/PK; 100Pcs/Box
NC50-045	Diameter 50mm;Pore size 0.45um	50Pcs/PK; 100Pcs/Box
NC90-022	Diameter 90mm;Pore size 0.22um	50Pcs/PK
NC90-045	Diameter 90mm;Pore size 0.45um	50Pcs/PK
NC142-022	Diameter 142mm;Pore size 0.22um	50Pcs/PK
NC142-045	Diameter 142mm;Pore size 0.45um	50Pcs/PK

Bioland™ Mixed cellulose ester filter membrane (MCE filter membrane)

The mixed cellulose ester film was made of cellulose nitrate (NC) and cellulose acetate (CA). Compared with the purer nitrate cellulose film, the mixed cellulose film has better flatness and uniformity, providing better contrast for the detection of particles and microorganisms, and reducing eye fatigue. Mixed cellulose membranes are very effective in applications that require higher flow rates and larger filtration capacities.。

- Strong contrast, easy particle detection
- The filter membrane provides a high internal surface area and is suitable for products with higher adsorption power
- Higher load capacity, good thermal stability
- Biological inertia, good thermal stability
- No surfactant, will not contaminate the sample
- The uniform membrane microporous structure increases the flow rate
- It is used in cytology, sample preparation, bacterial biology research, particle counting, yeast/mold and E.coli counting



Order NO.	Description	Package
MCE13-022	Diameter 13mm;Pore size 0.22um	200Pcs/PK
MCE13-045	Diameter 13mm;Pore size 0.45um	200Pcs/PK
MCE25-022	Diameter 25mm;Pore size 0.22um	50Pcs/PK; 100Pcs/Box
MCE25-045	Diameter 25mm;Pore size 0.45um	50Pcs/PK; 100Pcs/Box
MCE47-022	Diameter 47mm;Pore size 0.22um	50Pcs/PK; 100Pcs/Box
MCE47-045	Diameter 47mm;Pore size 0.45um	50Pcs/PK; 100Pcs/Box
MCE50-022	Diameter 50mm;Pore size 0.22um	50Pcs/PK; 100Pcs/Box
MCE50-045	Diameter 50mm;Pore size 0.45um	50Pcs/PK; 100Pcs/Box
MCE90-022	Diameter 90mm;Pore size 0.22um	50Pcs/PK
MCE90-045	Diameter 90mm;Pore size 0.45um	50Pcs/PK
MCE142-022	Diameter 142mm;Pore size 0.22um	50Pcs/PK
MCE142-045	Diameter 142mm;Pore size 0.45um	50Pcs/PK

Bioland™ Polyethersulfone membrane (PES membrane)

Polyether sulfone membrane (PES membrane) has natural hydrophilicity. Compared with other membrane varieties, PES membrane has very good water wetness, so polyether sulfone membrane (PES membrane) has high water flux. PES membrane showed very low protein adsorption capacity and was widely used in food, medicine and other fields.

- Asymmetric membrane pore structure, with higher water flux
- High strength, high flow rate, pH: 2-12
- Low eluate and low protein adsorption
- Particle retention rate: >99.99%
- Can be autoclaved at high temperature
- Can have good high temperature resistance and acid-proof alkaline



Order NO.	Description	Package
PES13-022	Diameter 13mm;Pore size 0.22um	200Pcs/PK
PES13-045	Diameter 13mm;Pore size 0.45um	200Pcs/PK
PES25-022	Diameter 25mm;Pore size 0.22um	50Pcs/PK; 100Pcs/Box
PES25-045	Diameter 25mm;Pore size 0.45um	50Pcs/PK; 100Pcs/Box
PES47-022	Diameter 47mm;Pore size 0.22um	50Pcs/PK; 100Pcs/Box
PES47-045	Diameter 47mm;Pore size 0.45um	50Pcs/PK; 100Pcs/Box
PES50-022	Diameter 50mm;Pore size 0.22um	50Pcs/PK; 100Pcs/Box
PES50-045	Diameter 50mm;Pore size 0.45um	50Pcs/PK; 100Pcs/Box
PES90-022	Diameter 90mm;Pore size 0.22um	50Pcs/PK
PES90-045	Diameter 90mm;Pore size 0.45um	50Pcs/PK
PES142-022	Diameter 142mm;Pore size 0.22um	50Pcs/PK
PES142-045	Diameter 142mm;Pore size 0.45um	50Pcs/PK

Bioland™ Nylon membrane (Nylon membrane)

High quality Nylon membrane (Nylon membrane) is suitable for filtering aqueous solutions and most organic solutions, widely used in biological sample preparation and filtration of other membranes are not suitable or difficult to use. Nylon film (Nylon film) has good hydrophilicity and no wetting agent, because any microporous filter film containing wetting agent will be extracted in the filtration of aqueous solution or organic solvent and pollute the sample

- Good flexibility, durability, tear resistance
- It can be sterilized at 135°C
- High protein binding, suitable for protein-free aqueous solution and organic solution, alcohol and DMSO resistance, pH: 2-13
- For filtration of aqueous and organic mobile phases, vacuum pump degassing, tissue media, microbial media, buffer solution and solution filtration

Order NO.	Description	Package
NY6613-022	Diameter 13mm;Pore size 0.22um	200Pcs/PK
NY6613-045	Diameter 13mm;Pore size 0.45um	200Pcs/PK
NY6625-022	Diameter 25mm;Pore size 0.22um	50Pcs/PK; 100Pcs/Box
NY6625-045	Diameter 25mm;Pore size 0.45um	50Pcs/PK; 100Pcs/Box
NY6647-022	Diameter 47mm;Pore size 0.22um	50Pcs/PK; 100Pcs/Box
NY6647-045	Diameter 47mm;Pore size 0.45um	50Pcs/PK; 100Pcs/Box
NY6650-022	Diameter 50mm;Pore size 0.22um	50Pcs/PK; 100Pcs/Box
NY6650-045	Diameter 50mm;Pore size 0.45um	50Pcs/PK; 100Pcs/Box
NY6690-022	Diameter 90mm;Pore size 0.22um	50Pcs/PK
NY6690-045	Diameter 90mm;Pore size 0.45um	50Pcs/PK
NY66142-022	Diameter 142mm;Pore size 0.22um	50Pcs/PK
NY66142-045	Diameter 142mm;Pore size 0.45um	50Pcs/PK



Bioland™ Polyteflon filter membrane (PTFE filter membrane)

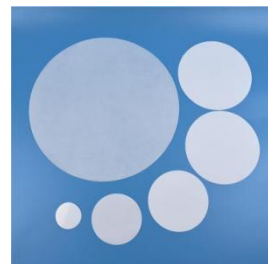
The main application of PTFE filter membrane is to clarify those corrosive agents, organic solvents and strong oxidizing solutions.

Including the preparation of liquid samples before the HPLC machine, to avoid the entry of foreign particles and damage to the chromatographic column, generally using 0.45um aperture. Air and gas sterilization using polytetrafluoroethylene membrane (PTFE film) hydrophobic, blocking gaseous water, usually use 0.2um and 0.45um pore size, online sterilization application must use 0.2um pore size. The use of 0.2um polytetrafluoroethylene membrane (PTFE membrane) is required for multi-head vacuuming units, fermenters and sterile respirators for sterile filtration tubes and containers.

- The chemical stability and inertness of polytetrafluoroethylene filter membrane (PTFE filter membrane) make it suitable for highly corrosive organic solvents, strong acids and strong bases
- Polytetrafluoroethylene (PTFE) filter membrane is also very suitable for HPLC sample preparation
- Its natural hydrophobicity is also ideal for air and gas sterilization
- Can be used at temperatures up to 120°C

- The hydrophobic polytetrafluoroethylene filter membrane (PTFE filter membrane) can effectively block gaseous water and aerosol
- Suitable for the filtration of strong corrosive solutions, organic solutions and gases, pH:1-14

Order NO.	Description	Package
PTFE13-022	Diameter 13mm;Pore size 0.22um; hydrophilic	200Pcs/PK
PTFE13-045	Diameter 13mm;Pore size 0.45um; hydrophilic	200Pcs/PK
PTFE25-022	Diameter 25mm;Pore size 0.22um; hydrophilic	50Pcs/PK; 100Pcs/Box
PTFE25-045	Diameter 25mm;Pore size 0.45um; hydrophilic	50Pcs/PK; 100Pcs/Box
PTFE47-022	Diameter 47mm;Pore size 0.22um; hydrophilic	50Pcs/PK; 100Pcs/Box
PTFE47-045	Diameter 47mm;Pore size 0.45um; hydrophilic	50Pcs/PK; 100Pcs/Box
PTFE50-022	Diameter 50mm;Pore size 0.22um; hydrophilic	50Pcs/PK; 100Pcs/Box
PTFE50-045	Diameter 50mm;Pore size 0.45um; hydrophilic	50Pcs/PK; 100Pcs/Box
PTFE90-022	Diameter 90mm;Pore size 0.22um; hydrophilic	50Pcs/PK
PTFE90-045	Diameter 90mm;Pore size 0.45um; hydrophilic	50Pcs/PK
PTFE142-022	Diameter 142mm;Pore size 0.22um; hydrophilic	50Pcs/PK
PTFE142-045	Diameter 142mm;Pore size 0.45um; hydrophilic	50Pcs/PK
PTFE13-022W	Diameter 13mm;Pore size 0.22um; hydrophobic	200Pcs/PK
PTFE13-045W	Diameter 13mm;Pore size 0.45um; hydrophobic	200Pcs/PK
PTFE25-022W	Diameter 25mm;Pore size 0.22um; hydrophobic	50Pcs/PK; 100Pcs/Box
PTFE25-045W	Diameter 25mm;Pore size 0.45um; hydrophobic	50Pcs/PK; 100Pcs/Box
PTFE47-022W	Diameter 47mm;Pore size 0.22um; hydrophobic	50Pcs/PK; 100Pcs/Box
PTFE47-045W	Diameter 47mm;Pore size 0.45um; hydrophobic	50Pcs/PK; 100Pcs/Box
PTFE50-022W	Diameter 50mm;Pore size 0.22um; hydrophobic	50Pcs/PK; 100Pcs/Box
PTFE50-045W	Diameter 50mm;Pore size 0.45um; hydrophobic	50Pcs/PK; 100Pcs/Box
PTFE90-022W	Diameter 90mm;Pore size 0.22um; hydrophobic	50Pcs/PK
PTFE90-045W	Diameter 90mm;Pore size 0.45um; hydrophobic	50Pcs/PK
PTFE142-022W	Diameter 142mm;Pore size 0.22um; hydrophobic	50Pcs/PK
PTFE142-045W	Diameter 142mm;Pore size 0.45um; hydrophobic	50Pcs/PK



Bioland™ Poly (vinylidene fluoride Filter membrane (PVDF filter membrane)

Low protein binding, suitable for general biological filtration, not suitable for filtration of strong corrosive liquids, can not tolerate acetone, DMSO, THF, DMF, dichloromethane, chloroform, etc

- High mechanical strength and tenacity
- High wear resistance
- High permeability resistance to gases and liquids
- Thermal stability is good
- High wear resistance
- Having both rigid and flexible forms
- Resistance to UV and nuclear radiation
- Impact resistance, high weather resistance
- Both hydrophilic and hydrophobic filter membranes are provided
- Resistant to most chemicals and solvents pH:2-12

Order NO.	Description	Package
PVDF13-022	Diameter 13mm;Pore size 0.22um; hydrophilic	200Pcs/PK
PVDF13-045	Diameter 13mm;Pore size 0.45um; hydrophilic	200Pcs/PK
PVDF25-022	Diameter 25mm;Pore size 0.22um; hydrophilic	50Pcs/PK; 100Pcs/Box
PVDF25-045	Diameter 25mm;Pore size 0.45um; hydrophilic	50Pcs/PK; 100Pcs/Box
PVDF47-022	Diameter 47mm;Pore size 0.22um; hydrophilic	50Pcs/PK; 100Pcs/Box
PVDF47-045	Diameter 47mm;Pore size 0.45um; hydrophilic	50Pcs/PK; 100Pcs/Box
PVDF50-022	Diameter 50mm;Pore size 0.22um; hydrophilic	50Pcs/PK; 100Pcs/Box
PVDF50-045	Diameter 50mm;Pore size 0.45um; hydrophilic	50Pcs/PK; 100Pcs/Box
PVDF90-022	Diameter 90mm;Pore size 0.22um; hydrophilic	50Pcs/PK
PVDF90-045	Diameter 90mm;Pore size 0.45um; hydrophilic	50Pcs/PK
PVDF142-022	Diameter 142mm;Pore size 0.22um; hydrophilic	50Pcs/PK
PVDF142-045	Diameter 142mm;Pore size 0.45um; hydrophilic	50Pcs/PK
PVDF13-022W	Diameter 13mm;Pore size 0.22um; hydrophobic	200Pcs/PK
PVDF13-045W	Diameter 13mm;Pore size 0.45um; hydrophobic	200Pcs/PK
PVDF25-022W	Diameter 25mm;Pore size 0.22um; hydrophobic	50Pcs/PK; 100Pcs/Box
PVDF25-045W	Diameter 25mm;Pore size 0.45um; hydrophobic	50Pcs/PK; 100Pcs/Box
PVDF47-022W	Diameter 47mm;Pore size 0.22um; hydrophobic	50Pcs/PK; 100Pcs/Box
PVDF47-045W	Diameter 47mm;Pore size 0.45um; hydrophobic	50Pcs/PK; 100Pcs/Box
PVDF50-022W	Diameter 50mm;Pore size 0.22um; hydrophobic	50Pcs/PK; 100Pcs/Box
PVDF50-045W	Diameter 50mm;Pore size 0.45um; hydrophobic	50Pcs/PK; 100Pcs/Box
PVDF90-022W	Diameter 90mm;Pore size 0.22um; hydrophobic	50Pcs/PK
PVDF90-045W	Diameter 90mm;Pore size 0.45um; hydrophobic	50Pcs/PK
PVDF142-022W	Diameter 142mm;Pore size 0.22um; hydrophobic	50Pcs/PK
PVDF142-045W	Diameter 142mm;Pore size 0.45um; hydrophobic	50Pcs/PK

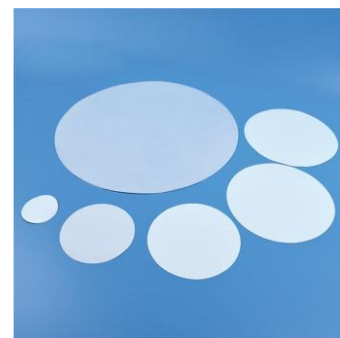


Bioland™ Polypropylene filter membrane (PP filter membrane)

Polypropylene filter membrane is made of polypropylene microfiber hot melt adhesion together, is a kind of membrane material belonging to deep filtration.

- Non-toxic, can be widely used in medicine, chemical, food, beverage and other fields
- Excellent chemical resistance, it can resist acid, alkali, solvent, including polar solvent (except benzene xylene)
- High temperature resistance, can be 121°C, 30 minutes hot pressing disinfection, working temperature below 100°C
- Good strength, no deformation, no media fall off, no re-pollution
- Low resistance, fast flow
- Polypropylene filter membrane is hydrophobic, especially for gas filtration

Order NO.	Description	Package
PP13-022	Diameter 13mm;Pore size 0.22um	200Pcs/PK
PP13-045	Diameter 13mm;Pore size 0.45um	200Pcs/PK
PP25-022	Diameter 25mm;Pore size 0.22um	50Pcs/PK; 100Pcs/Box
PP25-045	Diameter 25mm;Pore size 0.45um	50Pcs/PK; 100Pcs/Box
PP47-022	Diameter 47mm;Pore size 0.22um	50Pcs/PK; 100Pcs/Box
PP47-045	Diameter 47mm;Pore size 0.45um	50Pcs/PK; 100Pcs/Box
PP50-022	Diameter 50mm;Pore size 0.22um	50Pcs/PK; 100Pcs/Box
PP50-045	Diameter 50mm;Pore size 0.45um	50Pcs/PK; 100Pcs/Box
PP90-022	Diameter 90mm;Pore size 0.22um	50Pcs/PK
PP90-045	Diameter 90mm;Pore size 0.45um	50Pcs/PK
PP142-022	Diameter 142mm;Pore size 0.22um	50Pcs/PK
PP142-045	Diameter 142mm;Pore size 0.45um	50Pcs/PK

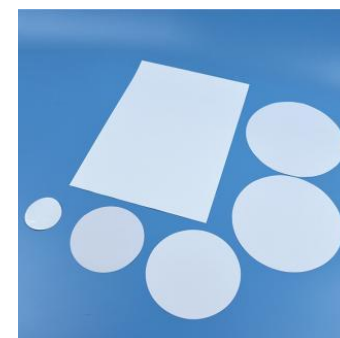


Bioland™ Polycarbonate filter membrane (PC filter membrane)

Polycarbonate membrane is hydrophilic, high chemical cleanliness, no impurities, low water adsorption performance, non-specific protein binding level is low..

- It does not adhere to the stain and has a large optical contrast, which is conducive to the observation under the microscope
- True surface interception allows easy sample determination and shorter analysis time
- There are completely transparent track etched films to choose from
- Low adsorption, filtrate adsorption amount is negligible, no moisture absorption
- No crumbs, filtrate cleanliness is high
- Biological inertia

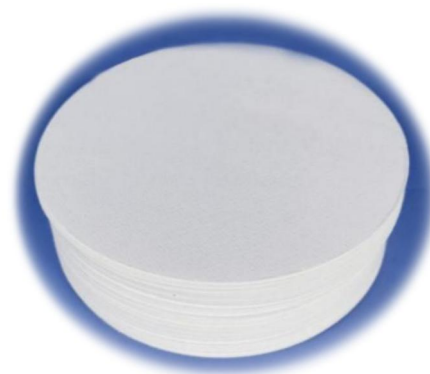
Order NO.	Description	Package
PC25-001	Diameter 25mm;Pore size 0.1um	50Pcs/PK; 100Pcs/Box
PC25-002	Diameter 25mm;Pore size 0.2um	50Pcs/PK; 100Pcs/Box
PC25-004	Diameter 25mm;Pore size 0.4um	50Pcs/PK; 100Pcs/Box
PC25-010	Diameter 25mm;Pore size 1um	50Pcs/PK; 100Pcs/Box
PC25-020	Diameter 25mm;Pore size 2um	50Pcs/PK; 100Pcs/Box
PC25-030	Diameter 25mm;Pore size 3um	50Pcs/PK; 100Pcs/Box
PC25-050	Diameter 25mm;Pore size 5um	50Pcs/PK; 100Pcs/Box
PC25-080	Diameter 25mm;Pore size 8um	50Pcs/PK; 100Pcs/Box



PC47-001	Diameter 47mm;Pore size 0.1um	50Pcs/PK; 100Pcs/Box
PC47-002	Diameter 47mm;Pore size 0.2um	50Pcs/PK; 100Pcs/Box
PC47-004	Diameter 47mm;Pore size 0.4um	50Pcs/PK; 100Pcs/Box
PC47-010	Diameter 47mm;Pore size 1um	50Pcs/PK; 100Pcs/Box
PC47-020	Diameter 47mm;Pore size 2um	50Pcs/PK; 100Pcs/Box
PC47-030	Diameter 47mm;Pore size 3um	50Pcs/PK; 100Pcs/Box
PC47-050	Diameter 47mm;Pore size 5um	50Pcs/PK; 100Pcs/Box
PC47-080	Diameter 47mm;Pore size 8um	50Pcs/PK; 100Pcs/Box

Bioland™ Glass fiber filter membrane (GF filter membrane)

Glass microfiber filter paper is made of 100% borosilicate glass and is divided into two types: adhesive and non-adhesive. Fast flow rate and high load. Very fine particles can be trapped down to the submicron range. Can withstand high temperature up to 550°C. Ideal for air filtration and gravimetric analysis of volatile substances after burning. Glass microfiber filter paper has a capillary structure, which can absorb more liquid than the equivalent cellulose filter paper, making it suitable for spot testing and liquid flash counting methods. The filter paper can be made completely transparent for subsequent microscopic observation.



GF/F: 0.7um Non-adhesive glass microfiber filter membrane

Can intercept 0.7 um particles. It has very fast flow rate and very high load capacity. It meets the strict requirements of EPA for the filter particle retention size of 0.6-0.8um and the structure of pure borosilicate glass. It is also used for DNA binding and purification. Very effective in filtering protein precipitation, GF/F is used in combination with GF/D to clarify biochemical solutions and nucleic acids that are extremely difficult to filter.

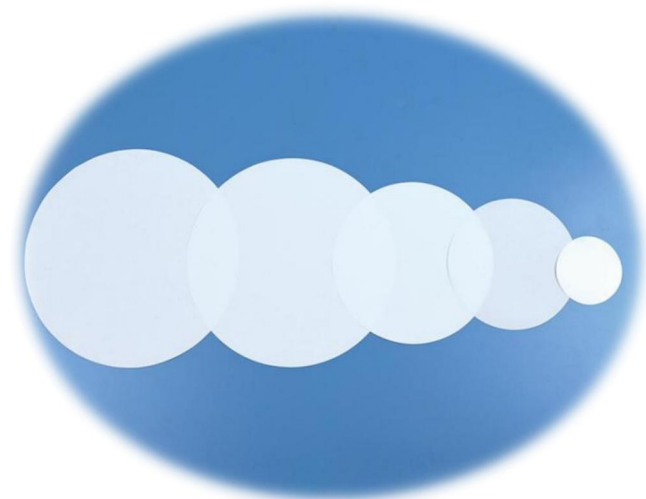
GF/B: 1.0um Non-adhesive glass microfiber filter membrane

With high wet strength and high load characteristics. Good retention of small particles, fast flow rate. Suitable for liquid clarification or solid quantitative analysis of turbid particle suspensions. It can be used as a fine interception membrane prefiltration membrane, and can also be used in liquid scintillation counting (LSC) technology.

GF/C: 1.2um Non-adhesive glass microfiber filter membrane

Fine particulate matter has good retention and fast flow rate. Standard glass fiber filter paper for the detection of total suspended solids in drinking water, natural and industrial wastewater. It can quickly and efficiently clarify small particulate water liquids.

Detection of total suspended solids (TSS) and total dissolved solids (TDS) in water. It is also used in the field of cell harvesting, LSC and affinity analysis with high load requirements on the filter membrane.



GF/A: 1.6um Non-adhesive glass microfiber filter membrane

Fine particles have good retention, fast flow speed and high load capacity. It can be used for efficient filtration in the laboratory, such as wastewater filtration in industrial wastewater monitoring, algal and bacterial cultures, food analysis, protein filtration, and radioimmunoassays for weak beta rays. Recommended for gravimetric determination of airborne particles, smoke sampling and adsorption monitoring of atmospheric pollution.

GF/D: 2.7um Non-adhesive glass microfiber filter membrane

Faster flow rate and overall filtration speed. The filter paper is very thick and has a high load capacity. As a filter membrane pre-filter membrane, it can effectively extend the service life of the filter membrane with small aperture. When combined with GF/F, GF/B,

GF/C, GF/A, efficient gradient prefiltration membranes can be formed.

GF/10 Glass microfiber filter membrane with adhesive

Used for infrared weighing and automatic air filtration device in the roller filter membrane.

Grade	Pore size	Thickness	Resistance temperature	Velocity of flow
GF/F	0.7um	420um	550°C	41 ml/min
GF/B	1.0um	675um	550°C	81 ml/min
GF/C	1.2um	260um	550°C	105 ml/min
GF/A	1.6um	260um	550°C	143 ml/min
GF/D	2.7um	675um	550°C	681 ml/min
GF/10	—	350um	180°C	Medium speed

Order NO.	Description	Package
GF25-007	Diameter 25mm;Pore size 0.7um	50Pcs/PK; 100Pcs/Box
GF25-010	Diameter 25mm;Pore size 1um	50Pcs/PK; 100Pcs/Box
GF25-012	Diameter 25mm;Pore size 1.2um	50Pcs/PK; 100Pcs/Box
GF25-016	Diameter 25mm;Pore size 1.6um	50Pcs/PK; 100Pcs/Box
GF25-027	Diameter 25mm;Pore size 2.7um	50Pcs/PK; 100Pcs/Box
GF25-100	GF/10 Diameter 25mm	50Pcs/PK; 100Pcs/Box
GF47-007	GF/F Diameter 47mm;Pore size 0.7um	50Pcs/PK; 100Pcs/Box
GF47-010	GF/B Diameter 47mm;Pore size 1um	50Pcs/PK; 100Pcs/Box
GF47-012	GF/C Diameter 47mm;Pore size 1.2um	50Pcs/PK; 100Pcs/Box
GF47-016	GF/A Diameter 47mm;Pore size 1.6um	50Pcs/PK; 100Pcs/Box
GF47-027	GF/D Diameter 47mm;Pore size 2.7um	50Pcs/PK; 100Pcs/Box
GF47-100	GF/10 Diameter 47mm	50Pcs/PK; 100Pcs/Box
GF90-007	GF/F Diameter 90mm;Pore size 0.7um	50Pcs/PK
GF90-010	GF/B Diameter 90mm;Pore size 1um	50Pcs/PK
GF90-012	GF/C Diameter 90mm;Pore size 1.2um	50Pcs/PK
GF90-016	GF/A Diameter 90mm;Pore size 1.6um	50Pcs/PK
GF90-027	GF/D Diameter 90mm;Pore size 2.7um	50Pcs/PK
GF90-100	GF/10 Diameter 90mm	50Pcs/PK
GF110-007	GF/F Diameter 110mm;Pore size 0.7um	50Pcs/PK
GF110-010	GF/B Diameter 110mm;Pore size 1um	50Pcs/PK
GF110-012	GF/C Diameter 110mm;Pore size 1.2um	50Pcs/PK
GF110-016	GF/A Diameter 110mm;Pore size 1.6um	50Pcs/PK
GF110-027	GF/D Diameter 110mm;Pore size 2.7um	50Pcs/PK
GF110-100	GF/10 Diameter 110mm	50Pcs/PK
GF125-007	GF/F Diameter 125mm;Pore size 0.7um	50Pcs/PK
GF125-010	GF/B Diameter 125mm;Pore size 1um	50Pcs/PK
GF125-012	GF/C Diameter 125mm;Pore size 1.2um	50Pcs/PK
GF125-016	GF/A Diameter 125mm;Pore size 1.6um	50Pcs/PK
GF125-027	GF/D Diameter 125mm;Pore size 2.7um	50Pcs/PK
GF125-100	GF/10 Diameter 125mm	50Pcs/PK
GF142-007	GF/F Diameter 142mm;Pore size 0.7um	50Pcs/PK
GF142-010	GF/B Diameter 142mm;Pore size 1um	50Pcs/PK
GF142-012	GF/C Diameter 142mm;Pore size 1.2um	50Pcs/PK
GF142-016	GF/A Diameter 142mm;Pore size 1.6um	50Pcs/PK
GF142-027	GF/D Diameter 142mm;Pore size 2.7um	50Pcs/PK
GF142-100	GF/10 Diameter 142mm	50Pcs/PK
GF150-007	GF/F Diameter 150mm;Pore size 0.7um	50Pcs/PK
GF150-010	GF/B Diameter 150mm;Pore size 1um	50Pcs/PK
GF150-012	GF/C Diameter 150mm;Pore size 1.2um	50Pcs/PK
GF150-016	GF/A Diameter 150mm;Pore size 1.6um	50Pcs/PK
GF150-027	GF/D Diameter 150mm;Pore size 2.7um	50Pcs/PK
GF150-100	GF/10 Diameter 150mm	50Pcs/PK

Bioland™ Non-Sterile Syringe Filter

The Syringe Filter produced by the clean workshop has good consistency between batches, which ensures the quality and use value of the product to the greatest extent from the raw materials and production process, and the filtration effect is first-class. Can provide a variety of filter membrane materials and specifications, can also be developed according to customer needs. At present, the commonly used filter materials are: Nylon (Nylon), polyvinylidene fluoride (PVDF), polytetrafluoroethylene (PTFE), mixed cellulose (MCE), cellulose acetate (CA), polypropylene (PP), polyether sulfone (PES) and so on. Widely used in HPLC, GC and other sample preparation and industrial production laboratory quality detection.

Features:

Low dissolution

The particle retention rate is higher than 99%

Fast speed

High flux

Threaded interface design

Strong pressure resistance

Optional glass fiber pre-filter for increased throughput



Typical applications:

Food industry: alcohol, beverage and other terminal filtration

Chromatographic analysis: HPLC/GC sample pretreatment

Ultra pure water terminal filtration

Environmental water sample detection and analysis

Purification of airborne particulates and air sterilization in the fermentation industry

NY(nylon) : widely used, water phase, organic phase can be used, alkali and acid resistance, protein binding ability is strong, not recommended for protein containing liquid filtration

PES(polyether sulfone) : suitable for aqueous phase, low protein adsorption, suitable for biological medium or serum filtration, filtration speed

CA(cellulose acetate) and MCE(mixed cellulose) : Suitable for aqueous phase with narrow pH tolerance range

RC(regenerated cellulose) : strong chemical compatibility, but not resistant to strong acids and bases, low protein adsorption

PVDF(polyvinylidene fluoride) : strong chemical compatibility, low protein adsorption, but can not filter DMSO

PTFE(polytetrafluoroethylene) : hydrophobic membrane filter organic phase, hydrophilic membrane can be used for aqueous phase and organic phase, chemical compatibility is the strongest, almost universal

Bioland™ Non-Sterile Syringe Filter

Widely used in gravimetric analysis, microanalysis, colloid separation and sterility test. Also suitable for HPLC,MS,LC-MS and other analytical instruments sample preparation, purification, pre-treatment, preparation of biological products, tissue culture medium, buffer solution and other liquid sample filtration, aggressive solution purification, clarification, filtration of a small number of samples, remove impurities in the sample, precipitation.

- The needle filter is made of polypropylene and can be connected to the syringe
- Fast, convenient and reliable filtration treatment device for small volume samples
- Five filter membrane materials: PTFE, PVDF, PES, NYLON, MCE
- Three diameter specifications
- Three pore sizes: 0.1um, 0.22um, 0.45um

Filter membrane diameter	Filter area	Residual volume(ul)	Filtration volume	Withstand pressure
4mm	0.125cm ²	5ul	1ml	87PSI
13mm	0.92cm ²	10ul	10ml	87PSI
25mm	2.98cm ²	50ul	100ml	87PSI

Bioland™ 4mm Non-Sterile Syringe Filter

Order NO.	Description	Package
PT04-N022	PTFE Filter membrane; 4mm; 0.22um	100Pcs/Pk;1000Pcs /Cs
PT04-N045	PTFE Filter membrane; 4mm; 0.45um	100Pcs/Pk;1000Pcs /Cs
PE04-N022	PES Filter membrane; 4mm; 0.22um	100Pcs/Pk;1000Pcs /Cs
PE04-N045	PES Filter membrane; 4mm; 0.45um	100Pcs/Pk;1000Pcs /Cs
NY04-N022	NYLON Filter membrane; 4mm; 0.22um	100Pcs/Pk;1000Pcs /Cs
NY04-N045	NYLON Filter membrane; 4mm; 0.45um	100Pcs/Pk;1000Pcs /Cs



Bioland™ 13mm Non-Sterile Syringe Filter

Order NO.	Description	Package
PT13-N022	PTFE Filter membrane; 13mm; 0.22um	100Pcs/Pk;1000Pcs /Cs
PT13-N045	PTFE Filter membrane; 13mm; 0.45um	100Pcs/Pk;1000Pcs /Cs
PV13-N010	PVDF Filter membrane; 13mm; 0.1um	100Pcs/Pk;1000Pcs /Cs
PV13-N022	PVDF Filter membrane; 13mm; 0.22um	100Pcs/Pk;1000Pcs /Cs
PV13-N045	PVDF Filter membrane; 13mm; 0.45um	100Pcs/Pk;1000Pcs /Cs
PE13-N022	PES Filter membrane; 13mm; 0.22um	100Pcs/Pk;1000Pcs /Cs
PE13-N045	PES Filter membrane; 13mm; 0.45um	100Pcs/Pk;1000Pcs /Cs
MC13-N022	MCE Filter membrane; 13mm; 0.22um	100Pcs/Pk;1000Pcs /Cs
MC13-N045	MCE Filter membrane; 13mm; 0.45um	100Pcs/Pk;1000Pcs /Cs
NY13-N022	NYLON Filter membrane; 13mm; 0.22um	100Pcs/Pk;1000Pcs /Cs
NY13-N045	NYLON Filter membrane; 13mm; 0.45um	100Pcs/Pk;1000Pcs /Cs



Bioland™ 25mm Non-Sterile Syringe Filter

Order NO.	Description	Package
PT30-N022	PTFE Filter membrane; 25mm; 0.22um	100Pcs/Pk;1000Pcs /Cs
PT30-N045	PTFE Filter membrane; 25mm; 0.45um	100Pcs/Pk;1000Pcs /Cs
PV30-N010	PVDF Filter membrane; 25mm; 0.1um	100Pcs/Pk;1000Pcs /Cs
PV30-N022	PVDF Filter membrane; 25mm; 0.22um	100Pcs/Pk;1000Pcs /Cs
PV30-N045	PVDF Filter membrane; 25mm; 0.45um	100Pcs/Pk;1000Pcs /Cs
PE30-N022	PES Filter membrane; 25mm; 0.22um	100Pcs/Pk;1000Pcs /Cs
PE30-N045	PES Filter membrane; 25mm; 0.45um	100Pcs/Pk;1000Pcs /Cs
MC30-N022	MCE Filter membrane; 25mm; 0.22um	100Pcs/Pk;1000Pcs /Cs
MC30-N045	MCE Filter membrane; 25mm; 0.45um	100Pcs/Pk;1000Pcs /Cs
NY30-N022	NYLON Filter membrane; 25mm; 0.22um	100Pcs/Pk;1000Pcs /Cs
NY30-N045	NYLON Filter membrane; 25mm; 0.45um	100Pcs/Pk;1000Pcs /Cs



Bioland™ Sterile Syringe Filter

Filtration is one of the fastest methods of liquid sterilization and can reduce the impact of the sterilization process on the active ingredients of the liquid. Sterile needle filters are widely used in all areas of the life sciences to debacteria a variety of biological liquids in small volumes, such as proteins, media, additives, buffers, reagents or pharmaceuticals. Sterile needle filters are ideal sterilizing consumables for life science applications in pharmaceutical, environmental, biotechnology, food & beverage, agriculture and more.



0.1 um filter is used to remove mycoplasma
 0.22um filter is used to remove all bacteria
 0.45um filter is used to remove particles from the liquid.

Applications:

Sterilization or clarification of biological liquids
 Tissue culture medium preparation
 Protein or enzyme product filtration
 Hybridization buffer
 Gas aqueous solution

Bioland™ Sterile Syringe Filter

Used for various biological liquid filtration sterilization or clarification. Bioland™PES membranes, in particular, have excellent flow rates, fluxes, and extremely low protein binding rates, making them ideal for handling a wide range of bioaqueous liquids.

Single-use, γ-ray pre-sterilization, bactericidal filtration efficiency (0.22μm): LRV > 7 deficient Shortwave monomonas, ATCC19146, ASTM Bacterial Challenge test

No pyrogen, no surfactant, very low extract, very low protein binding <1.5% (PES)

Ultra-high flow rates and fluxes filter liquids faster and more!

Bioland™ 13mm Sterile Syringe Filter

Order NO.	Description	Package
PT13-022	PTFE Filter membrane; 13mm; 0.22um hydrophilic	100Pcs/Pk;1000Pcs /Cs
PT13-045	PTFE Filter membrane; 13mm; 0.45um hydrophilic	100Pcs/Pk;1000Pcs /Cs
PV13-010	PVDF Filter membrane; 13mm; 0.1um hydrophilic	100Pcs/Pk;1000Pcs /Cs
PV13-022	PVDF Filter membrane; 13mm; 0.22um hydrophilic	100Pcs/Pk;1000Pcs /Cs
PV13-045	PVDF Filter membrane; 13mm; 0.45um hydrophilic	100Pcs/Pk;1000Pcs /Cs
PT13-022W	PTFE Filter membrane; 13mm; 0.22um hydrophobic	100Pcs/Pk;1000Pcs /Cs
PT13-045W	PTFE Filter membrane; 13mm; 0.45um hydrophobic	100Pcs/Pk;1000Pcs /Cs
PV13-010W	PVDF Filter membrane; 13mm; 0.1um hydrophobic	100Pcs/Pk;1000Pcs /Cs
PV13-022W	PVDF Filter membrane; 13mm; 0.22um hydrophobic	100Pcs/Pk;1000Pcs /Cs
PV13-045W	PVDF Filter membrane; 13mm; 0.45um hydrophobic	100Pcs/Pk;1000Pcs /Cs
PE13-022	PES Filter membrane; 13mm; 0.22um	100Pcs/Pk;1000Pcs /Cs
PE13-045	PES Filter membrane; 13mm; 0.45um	100Pcs/Pk;1000Pcs /Cs
MC13-022	MCE Filter membrane; 13mm; 0.22um	100Pcs/Pk;1000Pcs /Cs
MC13-045	MCE Filter membrane; 13mm; 0.45um	100Pcs/Pk;1000Pcs /Cs
NY13-022	NYLON Filter membrane; 13mm; 0.22um	100Pcs/Pk;1000Pcs /Cs
NY13-045	NYLON Filter membrane; 13mm; 0.45um	100Pcs/Pk;1000Pcs /Cs



Bioland™ 25mm Sterile Syringe Filter

Order NO.	Description	Package
PT30-022	PTFE Filter membrane; 25mm; 0.22um hydrophilic	50Pcs/Pk;500Pcs /Cs
PT30-045	PTFE Filter membrane; 25mm; 0.45um hydrophilic	50Pcs/Pk;500Pcs /Cs
PV30-010	PVDF Filter membrane; 25mm; 0.1um hydrophilic	50Pcs/Pk;500Pcs /Cs
PV30-022	PVDF Filter membrane; 25mm; 0.22um hydrophilic	50Pcs/Pk;500Pcs /Cs
PV30-045	PVDF Filter membrane; 25mm; 0.45um hydrophilic	50Pcs/Pk;500Pcs /Cs
PT30-022W	PTFE Filter membrane; 25mm; 0.22um hydrophobic	50Pcs/Pk;500Pcs /Cs
PT30-045W	PTFE Filter membrane; 25mm; 0.45um hydrophobic	50Pcs/Pk;500Pcs /Cs
PV30-010W	PVDF Filter membrane; 25mm; 0.1um hydrophobic	50Pcs/Pk;500Pcs /Cs
PV30-022W	PVDF Filter membrane; 25mm; 0.22um hydrophobic	50Pcs/Pk;500Pcs /Cs
PV30-045W	PVDF Filter membrane; 25mm; 0.45um hydrophobic	50Pcs/Pk;500Pcs /Cs
PE30-022	PES Filter membrane; 25mm; 0.22um	50Pcs/Pk;500Pcs /Cs
PE30-045	PES Filter membrane; 25mm; 0.45um	50Pcs/Pk;500Pcs /Cs
MC30-022	MCE Filter membrane; 25mm; 0.22um	50Pcs/Pk;500Pcs /Cs
MC30-045	MCE Filter membrane; 25mm; 0.45um	50Pcs/Pk;500Pcs /Cs
NY30-022	NYLON Filter membrane; 25mm; 0.22um	50Pcs/Pk;500Pcs /Cs



NY30-045	NYLON Filter membrane; 25mm; 0.45um	50Pcs/Pk;500Pcs /Cs
PP30-022	PTFE Filter membrane; 25mm; 0.22um hydrophilic	50Pcs/Pk;500Pcs /Cs
PP30-045	PTFE Filter membrane; 25mm; 0.45um hydrophilic	50Pcs/Pk;500Pcs /Cs

Bioland™ 33mm Sterile Syringe Filter

Order NO.	Description	Package
PT33-022	PTFE Filter membrane; 33mm; 0.22um hydrophilic	50Pcs/Pk;500Pcs /Cs
PT33-045	PTFE Filter membrane; 33mm; 0.45um hydrophilic	50Pcs/Pk;500Pcs /Cs
PV33-010	PVDF Filter membrane; 33mm; 0.1um hydrophilic	50Pcs/Pk;500Pcs /Cs
PV33-022	PVDF Filter membrane; 33mm; 0.22um hydrophilic	50Pcs/Pk;500Pcs /Cs
PV33-045	PVDF Filter membrane; 33mm; 0.45um hydrophilic	50Pcs/Pk;500Pcs /Cs
PT33-022W	PTFE Filter membrane; 33mm; 0.22um hydrophobic	50Pcs/Pk;500Pcs /Cs
PT33-045W	PTFE Filter membrane; 33mm; 0.45um hydrophobic	50Pcs/Pk;500Pcs /Cs
PV33-010W	PVDF Filter membrane; 33mm; 0.1um hydrophobic	50Pcs/Pk;500Pcs /Cs
PV33-022W	PVDF Filter membrane; 33mm; 0.22um hydrophobic	50Pcs/Pk;500Pcs /Cs
PV33-045W	PVDF Filter membrane; 33mm; 0.45um hydrophobic	50Pcs/Pk;500Pcs /Cs
PE33-022	PES Filter membrane; 33mm; 0.22um	50Pcs/Pk;500Pcs /Cs
PE33-045	PES Filter membrane; 33mm; 0.45um	50Pcs/Pk;500Pcs /Cs
MC33-022	MCE Filter membrane; 33mm; 0.22um	50Pcs/Pk;500Pcs /Cs
MC33-045	MCE Filter membrane; 33mm; 0.45um	50Pcs/Pk;500Pcs /Cs
NY33-022	NYLON Filter membrane; 33mm; 0.22um	50Pcs/Pk;500Pcs /Cs
NY33-045	NYLON Filter membrane; 33mm; 0.45um	50Pcs/Pk;500Pcs /Cs



Bioland™ Fermenter vent filter

- PTFE filter membrane, polypropylene reinforced mesh and shell, high temperature autoclave
- Bubble point: 0.2μm> 140kPa
- Ladder hose connector (6-12mm)
- Application field Small fermenter type air purification equipment
- Standard flow rate of 0.2μm membrane filtered air: Δp=0.2kPa 1.1 L/min
- Δp=0.5kPa 2.9 L/min
- Δp=10kPa 5.0 L/min

Order NO.	Description	Package
MAF60-022	Diameter: 60mm;Pore size: 0.22um	10Pcs/Pk
MAF60-022S	Diameter: 60mm;Pore size: 0.22um, sterile	1Pcs/Pk; 10Pcs/Box
MAF60-022SS	Sterile; Certification; Diameter: 60mm; Aperture: 0.22um	1Pcs/Pk; 10Pcs/Box



Bioland™ Membrane Chemical Tolerance table

Solvent	CA	CN	PC	GMF	NYL	PP	PES	PTFE	PVDF
Acetic acid 5%	M	S	S	S	S	S	S	S	S
Glacial acetic acid	U	U		S	M	S	S	S	S
Acetone	U	U	U	S	S	S	U	S	U
acetonitrile	U	U		S	S	S	S	S	S
Ammonia, 6N		U	U	M	S	S	S	S	M
Amyl acetate	U	U	S	S	S	S	M	S	M
Pentleaven	S	S		S	S	S	U	S	S
Benzene *	S	S	M	S	M	M	S	S	S
Benzo-leaven *	M	M	M	S	M	M	U	S	S
Boric acid	S	S	S	S	M	S		S	S
Tezah	S	S	S	S	S	S	S	S	S
Butyryl chloride *				S	U	U		S	S
Carbon tetrachloride *	U	S	M	S	M	M	S	S	S
Chlorobenzene *		S		S			U	S	S
Chloroform *	U	S	U	S	U	M	U	S	S
Citric acid				S	M		S	S	S
cresol	U	S		S	U	S	U	S	U
cyclohexane	S	S	S	S	S	S	S	S	S
cyclohexanone	U	U		S	U	S	U	S	S
Diethylacetamide	S	U		S	S	S		S	U
Dimethylformamide	U	U		S	S	S	U	S	U
dioxane	U	U	U	S	S	S	M	S	M
Dimethyl inkstone	U	U	S	S	S	S	U	S	M
Ethanol	U	U	S	S	S	S	S	S	S
ether	M	M	S	S	S	S	S	S	M
Ethyl acetate	U	U	M	S	S	S	U	S	M
Glycol	M	M	S	S	S	S	S	S	S
Methanol	M	S	S	S	S	S	S	S	S
Formic acid	M	M		S	U	S	S	S	S
Freon TF	S	S	S	S	S	S	S	S	S
hexane	S	S	S	S	S	S	S	S	S
Hydrochloric acid (concentrated)	U	U	S	S	U	M	S	S	S
Hydrochloric acid	U	U		U	U	M		S	S
isobutanol	S	M	S	S	S	S		S	S
Isopropyl alcohol	S	M		S	S	S		S	S

S - indicates satisfaction

M - indicates not satisfied

U - indicates that it is not satisfied

Note: This chemical tolerance table is for general guidance only. For uncertain factors such as temperature and exposure time, please refer to your actual conditions for testing.

Bioland™ Stainless steel disc filter

- Bioland™ stainless steel disc filters are available in both single and double layer types
- Four sizes available: 100mm, 150mm, 200mm, 300mm
- Made of 316L stainless steel material, acid and alkali resistant
- It has the characteristics of fast filter speed, long service life, reasonable structure and easy to use
- The filter can withstand a maximum pressure of 0.6MPa
- Widely used in colleges and universities, scientific research units, pharmaceutical factories, hospitals and other media, blood products, liquid sterilization or clarification filtration

Note: For flow test, the selected pressure is 0.2MPa, and the pore size of the microporous filter membrane is 0.8μm

Order NO.	membrane diameter	inlet diameter	Outlet diameter	Flow rate	height
Bioland™ Single-layer stainless steel disc filter					
SSF-100	100mm	7mm	7mm	80 L/h	250mm
SSF-150	150mm	9mm	9mm	150 L/h	250mm
SSF-200	200mm	9mm	9mm	270 L/h	260mm
SSF-300	300mm	12mm	12mm	600 L/h	260mm
Bioland™ Double layer stainless steel disc filter					
SSF-100D	100mm	7mm	7mm	80 L/h	270mm
SSF-150D	150mm	9mm	9mm	150 L/h	270mm
SSF-200D	200mm	9mm	9mm	250 L/h	280mm
SSF-300D	300mm	12mm	12mm	500 L/h	280mm



Bioland™ Stainless steel cylinder filter

Reasonable structure, beautiful appearance of pressurized sterilization filter

Made of 316L stainless steel

Acid and alkali resistance, high surface finish, easy to clean, fast filter speed, durable, easy to use and so on

The filter can withstand a maximum pressure of 0.6MPa

Widely used in colleges and universities, scientific research units, pharmaceutical factories, hospitals and other media, blood products, liquid sterilization or clarification filtration

Note: For flow test, the selected pressure is 0.2MPa, and the pore size of the microporous Filter membrane is 0.22μm

Order NO.	capacity	membrane diameter	inlet diameter	Outlet diameter	Flow rate
SSF-500C	500ml	100mm	6mm	7.8mm	0.7 L/m
SSF-1000C	1000ml	100mm	6mm	7.8mm	0.7 L/m
SSF-2000C	2000ml	150mm	6mm	9mm	2.2 L/m
SSF-5000C	5000ml	200mm	6mm	9mm	4 L/m
SSF-10000C	10000ml	300mm	6mm	12mm	10 L/m 钟



Bioland™ MCX (Mixed-Mode Cation SPE Column) Mixed cationic solid phase extraction column

A mixed adsorbent with strong cation exchange and reverse retention. Highly selective for alkaline analytes, stable in organic solvents. Equivalent to Waters Oasis MCX

Typical applications are: beta-receptor agonists; Sulfamide, trimethoprim, Ulotropine, malachite green; Crystal violet, melamine; And aconitine limit inspection in Chinese medicine

Average particle size: 50um; Average diameter: 300A; Specific surface area: 600m²/g

Order NO.	Gram weight of stuffing	Column specifications	Package
MCX-01-30mg	30mg	1mL	50 per box
MCX-01-60mg	60mg	1mL	50 per box
MCX-03-30mg	30mg	3mL	50 per box
MCX-03-60mg	60mg	3mL	50 per box
MCX-06-150mg	150mg	6mL	30 per box
MCX-06-200mg	200mg	6mL	30 per box
MCX-06-500mg	500mg	6mL	30 per box
MCX-12-500mg	500mg	12mL	30 per box
MCX-12-1000mg	1000mg	12mL	20 per box



Bioland™ WCX weak cationic solid phase extraction column

Order NO.	Gram weight of stuffing	Column specifications	Package
WCX-01-30mg	30mg	1mL	50 per box
WCX-01-60mg	60mg	1mL	50 per box
WCX-03-30mg	30mg	3mL	50 per box
WCX-03-60mg	60mg	3mL	50 PCS/box
WCX-06-150mg	150mg	6mL	30 per box
WCX-06-200mg	200mg	6mL	30 per box
WCX-06-500mg	500mg	6mL	30 per box
WCX-12-500mg	500mg	12mL	30 PCS/box
WCX-12-1000mg	1000mg	12mL	20 per box



Bioland™ Florisil Solid phase Extraction column (Flocean silica, magnesium silicate)

Florisil is a highly selective adsorbent. It is composed of silica, magnesium oxide and sodium sulfide. Similar to silica gel, this adsorbent is strongly polar and can extract polar compounds from non-polar solutions. In addition to the separation of organochlorine pesticides, Florisil is also used for the extraction separation of PCBs, PAHs, etc., and is also mostly used in AOAC and EPA methods. The particle size of Florisil is 100-200 mesh.

Typical applications are: purification of pesticide residues, separation, separation of internal secretions and oil removal. PCBs, PAHs, separation of nitrogen-containing compounds in hydrocarbons and antibiotic substances are essential sample pretreatment columns for NY761 analysis

Average particle size: 45-74μm; Average diameter: 120A; Specific surface area: 700m²/g



Order NO.	Gram weight of stuffing	Column specifications	Package
Florisil-01-100mg	100mg	1mL	50 PCS/box
Florisil-03-200mg	200mg	3mL	50 per box
Florisil-03-500mg	500mg	3mL	50 per box
Florisil-06-500mg	500mg	6mL	30 per box
Florisil-06-1000mg	1000mg	6mL	30 PCS/box
Florisil-12-1000mg	1000mg	12mL	30 per box
Florisil-12-2000mg	2000mg	12mL	20 per box

Bioland™ MAX Solid phase extraction column (mixed anionic extraction column)

An extraction column based on a water-wettable polymer with anion exchange mixing mechanism. Dual retention modes are provided: ion exchange and reverse phase retention, and the fillers are stable in the PH0-14 range. Exchange strength: 0.9meg/g. PH application range 2-8.

Suitable for rapid essence enrichment of anions, organic acids, nucleic acids, nucleotides, surfactants, etc.

Typical applications are: acid drugs; Oxytetracycline, aureomycin, doxycycline, carboxy, quinoline and their metabolites; Sudan red

Average particle size: 50-60μm; Average aperture: 300A; Specific surface area: 600m²/g

Order NO.	Gram weight of stuffing	Column size	Package
MAX-01-30mg	30mg	1mL	50 per box
MAX-01-60mg	60mg	1mL	50 per box
MAX-03-30mg	30mg	3mL	50 per box
MAX-03-60mg	60mg	3mL	50 per box
MAX-06-150mg	150mg	6mL	30 per box
MAX-06-200mg	200mg	6mL	30 per box
MAX-06-500mg	500mg	6mL	30 per box
MAX-12-500mg	500mg	12mL	30 per box
MAX-12-1000mg	1000mg	12mL	20 per box

Bioland™ WAX weak anion extraction column

Order NO.	Gram weight of stuffing	Column specifications	Package
WAX-01-30mg	30mg	1mL	50 per box
WAX-01-60mg	60mg	1mL	50 per box
WAX-03-30mg	30mg	3mL	50 per box
WAX-03-60mg	60mg	3mL	50 per box
WAX-06-150mg	150mg	6mL	30 per box
WAX-06-200mg	200mg	6mL	30 per box
WAX-06-500mg	500mg	6mL	30 per box
WAX-12-500mg	500mg	12mL	30 per box
WAX-12-1000mg	1000mg	12mL	20 per box



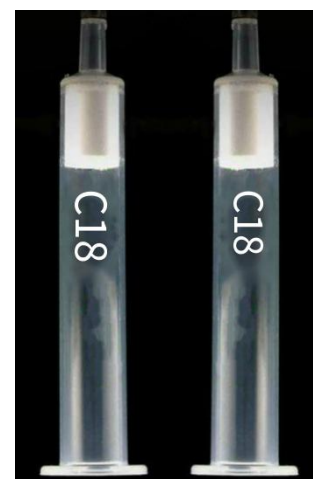
Bioland™ C18 solid phase extraction column

Reversed phase C18 extraction column based on silica gel. It has the characteristics of high bonding density, low loss and high recovery.

Application: Drugs and their metabolites in blood, plasma, urine. Desalting of samples of proteins, DNA macromolecules. Enrichment of organic matter in environmental water samples. Organic acids in beverages. Similar to reversed phase liquid chromatography column, suitable for extraction and purification of: antibiotics, barbiturate hydrochloric acid, phthalazine, caffeine, drugs, dyes, aromatic oils, fat-soluble vitamins, fungicides, weeder, pesticides, carbohydrates, p-hydroxytoluate substituted esters, phenols, phthalates, steroids, surface active agents, theophylline, water-soluble vitamins, etc.

Average particle size: 50-60 μ m; Average aperture: 300A; Specific surface area: 600m²/g

Order NO.	Gram weight of stuffing	Column specifications	Package
C18-01-100mg	100mg	1ml	50 per box
C18-01-300mg	300mg	1ml	50 per box
C18-03-100mg	100mg	3ml	50 per box
C18-03-200mg	200mg	3ml	50 per box
C18-03-500mg	500mg	3ml	50 per box
C18-06-500mg	500mg	6ml	30 per box
C18-06-1000mg	1000mg	6ml	30 per box
C18-12-1000mg	1000mg	12ml	30 per box
C18-12-2000mg	2000mg	12ml	20 per box



Bioland™ Silica solid phase extraction column

Polar adsorbents are primarily used to adsorb analytes from non-polar solvents such as hydrocarbon halogenated hydrocarbons or less polar esters or ethers and then elute them with more polar solvents such as polar ether ester alcohol acetonitrile water. It can also be used as a medium strength cation exchange adsorbent in water medium, and as a carrier for liquid-liquid partition separation.

Application: vitamins, food additives lipids, synthetic organic compounds natural products, plant pigments, pesticides in food.

Average particle size: 60 μ m; Average diameter: 120A; Specific surface area: 500m²/g

Order NO.	Weight of packing	Column specifications	Package
Silica-01-100mg	100mg	1mL	50 per box
Silica-03-200mg	200mg	3mL	50 per box
Silica-03-500mg	500mg	3mL	50 per box
Silica-06-500mg	500mg	6mL	30 per box
Silica-06-1000mg	1000mg	6mL	30 per box
Silica-12-1000mg	1000mg	12mL	30 per box
Silica-12-2000mg	2000mg	12mL	20 per box



Bioland™ CN solid phase extraction column

Cyanopolar binding adsorbent, with both polar and non-polar interactions. It can be used as a non-polar adsorbent to extract both polar and non-polar substances from aqueous solution samples, and can also extract polar substances from solvents with relatively little polarity.

Application: Drugs and their metabolites

Average particle size: 60μm; Average diameter: 120A; Specific surface area: 500m²/g

Order NO.	Gram weight of stuffing	Column specifications	Package
CN-01-100mg	100mg	1mL	50 per box
CN-03-200mg	200mg	3mL	50 per box
CN-03-500mg	500mg	3mL	50 per box
CN-06-500mg	500mg	6mL	30 per box
CN-06-1000mg	1000mg	6mL	30 per box
CN-12-2000mg	2000mg	12mL	20 per box



Bioland™ C8 solid phase extraction column

C8 and C18 have very similar properties, but because the carbon chain is shorter, the retention of non-polar compounds is weaker than C18. When the analyte retention on C18 is too strong for elution, C8 can be used instead. At the same time, because the carbon chain of C8 is short, it is difficult to effectively cover the residual silanol group on the surface of silica gel, so the retention of polar compounds of C8 is stronger than that of C18, but the polarity interaction still loses the main characteristics of C8.

Experiments show that C8 adsorbent can extract both fat-soluble and water-soluble vitamins in human blood.

Average particle size: 50μm; Average diameter: 70A; Specific surface area: 600m²/g

Order NO.	Gram weight of stuffing	Column specifications	Package
C8-01-100mg	100mg	1mL	50 per box
C8-03-200mg	200mg	3mL	50 per box
C8-03-500mg	500mg	3mL	50 per box
C8-06-500mg	500mg	6mL	30 per box
C8-06-1000mg	1000mg	6mL	30 per box
C8-12-1000mg	1000mg	12mL	30 per box
C8-12-2000mg	2000mg	12mL	20 per box



Bioland™ GCB Solid Phase Extraction column (graphitized carbon)

Activated carbon has a large adsorption capacity, but the adsorption is irreversible, and the extract is difficult to elute, so it is not suitable as an adsorbent for SPE. Graphitized carbon black overcomes the irreversible shortcomings of activated carbon adsorption, and maintains a high affinity and a large adsorption capacity for polar and non-polar oil-medium substances, with high purification effect, high recovery and high reproducibility and other excellent characteristics, used for agricultural residue analysis and sample pretreatment with high pigment content. In addition, graphitized carbon black is not a porous substance, and the time to achieve adsorption equilibrium is short, which can save the time of sample processing.

Matrix: Graphitized Carbon Shape; Average particle size: 70-120 μ m; Specific surface area: 100m²/g

Order NO.	Gram weight of stuffing	Column specifications	Package
GCB-01-100mg	100mg	1mL	50 per box
GCB-03-200mg	200mg	3mL	50 PCS/box
GCB-03-500mg	500mg	3mL	50 per box
GCB-06-500mg	500mg	6mL	30 per box
GCB-06-1000mg	1000mg	6mL	30 per box
GCB-12-1000mg	1000mg	12mL	30 PCS/box
GCB-12-2000mg	2000mg	12mL	20 per box



Bioland™ PRS Solid Phase Extraction column (strong cation exchange extraction column based on silica gel)

A strong cation exchange extraction column based on silica gel. The bonding functional group is propyl sulfonic acid, slightly less acidic than CSX (benzene sulfonic acid). PRS does not exhibit weak polarity as compared to SCX. In non-polar solvents, PRS has polarity and hydrogen bonding, because of its low pKa value, cationic compounds must be eluted by strong ionic strength eluent or neutralize its charge, can be used to extract weak cations, such as pyridine, etc., but also widely used in malachite green sample pretreatment.

Average particle size: 60 μ m; Average aperture: 500A; Specific surface area: 480m²/g

Order NO.	Gram weight of stuffing	Column specifications	Package
PRS-01-100mg	100mg	1mL	50 per box
PRS-03-200mg	200mg	3mL	50 per box
PRS-03-500mg	500mg	3mL	50 per box
PRS-06-500mg	500mg	6mL	30 per box
PRS-06-1000mg	1000mg	6mL	30 per box
PRS-12-1000mg	1000mg	12mL	30 per box
PRS-12-2000mg	2000mg	12mL	20 per box



Bioland™ PSA Solid phase extraction column (ethylenediamine-n-propyl)

The selectivity of ethylenediamine-n-propyl is similar to that of amino, as a positive or reversed phase column, the polarity is stronger than C18 and weaker than silica gel, and it has good selectivity for a variety of compounds with moderate polarity or a wide range of polarity in different systems. Also available as a weak anion exchange column, GREEN MALL® PSA has two amino groups, provides a higher ion exchange capacity and exhibits two pKa values of 10.1 and 10.9, respectively. Therefore, GREEN MALL®PSA can effectively remove fatty acids (including oleic acid, palmitic acid, linolenic acid, etc.), organic acids, some polar pigments and sugars from food that affect the detection of agricultural residues. At the same time, the presence of diamino can also act as a chelating agent for metal ions.

Average particle size: 60μm; Average diameter: 60A; Specific surface area: 480m²/g

Order NO.	Gram weight of stuffing	Column specifications	Package
PSA-01-100mg	100mg	1mL	50 per box
PSA-03-200mg	200mg	3mL	50 per box
PSA-03-500mg	500mg	3mL	50 per box
PSA-06-500mg	500mg	6mL	30 per box
PSA-06A-500mg	500mgCarb+500mgPSA	6mL	30 per box
PSA-06B-500mg	500mgGCB+500mgPSA	6mL	30 per box
PSA-06-1000mg	1000mg	6mL	30 per box
PSA-12-1000mg	1000mg	12mL	30 per box
PSA-12-2000mg	2000mg	12mL	20 per box



Bioland™ SCX Solid Phase extraction column (silica gel based strong cation exchange column)

Polymer matrix adsorbents often have mixed retention mechanisms, and GREEN MALL's polymer matrix SPE products are no exception. GREEN MALL's SCX is a polymer-based mixed adsorbents with strong cation exchange and hydrophobic properties of reversed-phase chromatographic stationary phase. It contains strongly acidic sulfonic acid functional groups. Selective retention of alkaline and neutral compounds, can show relative non-polar forces, usually used for alkaline substances such as melamine, amphetamine, pramine, piperidine extraction, as well as for the extraction of positive alkaline compounds, equivalent to Watrs Oasis MCX, Phenonemex Strata-X-C.

Average particle size: 60μm; Average aperture: 300A; Specific surface area: 600m²/g

Order NO.	Gram weight of stuffing	Column specifications	Package
SCX-01-30mg	30mg	1mL	50 per box
SCX-01-60mg	60mg	1mL	50 per box
SCX-03-60mg	60mg	3mL	50 per box
SCX-03-200mg	200mg	3mL	50 PCS/box
SCX-03-500mg	500mg	3mL	50 per box
SCX-06-200mg	200mg	6mL	30 per box
SCX-06N-500mg	AL-N 500mg	6ml	30 per box
SCX-06-500mg	500mg	6mL	30 PCS/box
SCX-06-1000mg	1000mg	6mL	30 per box
SCX-12-1000mg	1000mg	12mL	20 per box
SCX-12-2000mg	2000mg	12mL	20 per box



Bioland™ GCB/NH2 Solid Phase Extraction column (amino)

GraphiCarb/NH2 consists of equal amounts of graphitized carbon black and aminopropyl bonded silica gel mixed column, in pesticide residue analysis, has a special separation and extraction effect, such as pigment, fatty acid and phenolic removal, organic phosphorus extraction in tea.

Order NO.	Weight of packing	Column specifications	Package
NH2-01-100mg	100mg	1mL	50 per box
NH2-03-200mg	200mg	3mL	50 per box
NH2-03-500mg	500mg	3mL	50 per box
NH2-06-500mg	500mg	6mL	30 per box
NH2-06A-500mg	500mgCarb+500mgNH2	6mL	30 per box
NH2-06B-500mg	500mgGCB+500mgNH2	6mL	30 per box
NH2-06-1000mg	1000mg	6mL	30 per box
NH2-12-1000mg	1000mg	12mL	30 per box
NH2-12-2000mg	2000mg	12mL	20 per box



Bioland™ Alumina solid phase extraction column

provides Alumina-N neutral alumina; Alumina-A acidic alumina; Alumina-B basic alumina three options.

Alumina-N neutral alumina strong polarity SPE adsorbent, surface treatment is neutral, can be through the interaction with aluminum metal center, with the surface silanol group to form hydrogen bond or point charge surface for ion exchange adsorption molecules. It has strong retention ability for heterocyclic substances containing nitrogen, phosphorus and sulfur, rich point compounds such as aromatic hydrocarbons and organic amines. It is widely used for sample pretreatment of Sudan red and malachite green. Alumina-N has a grain size of 50-200μm.

AL-N neutral alumina solid phase extraction column

Order NO.	Gram weight of stuffing	Column specifications	Package
ALN-01-100mg	100mg	1mL	50 per box
ALN-03-200mg	200mg	3mL	50 per box
ALN-03-500mg	500mg	3mL	50 per box
ALN-06-500mg	500mg	6mL	30 per box
ALN-06-1000mg	1000mg	6mL	30 per box
ALN-12-1000mg	1000mg	12mL	30 per box
ALN-12-2000mg	2000mg	12mL	20 per box
ALN-12-5000mg	5000mg	12mL	20 per box
ALN-20-2500mg	2500mg	20mL	20 per box



Bioland™ AL-A acid Alumina solid phase extraction column

Alumina-A is an alumina adsorbent with an acidic surface (PH=4.5) with a particle size of 50-200µm. It can be used as strong polar adsorbent and medium cation exchanger.

Order NO.	Gram weight of stuffing	Column specifications	Package
ALA-01-100mg	100mg	1mL	50 per box
ALA-03-200mg	200mg	3mL	50 per box
ALA-03-500mg	500mg	3mL	50 per box
ALA-06-500mg	500mg	6mL	30 per box
ALA-06-1000mg	1000mg	6mL	30 per box
ALA-12-1000mg	1000mg	12mL	30 per box
ALA-12-2000mg	2000mg	12mL	20 per box
ALA-12-5000mg	5000mg	12mL	20 per box
ALA-20-2500mg	2500mg	20mL	20 per box



Bioland™ AL-B Alkaline Alumina solid phase extraction column

Alumina-B treats acidic alumina with an alkaline solution, while the resulting alkaline alumina SPE adsorbent, with a negatively charged surface, acts like a cation bond.

Order NO.	Gram weight of stuffing	Column specifications	Package
ALB-01-100mg	100mg	1mL	50 per box
ALB-03-200mg	200mg	3mL	50 per box
ALB-03-500mg	500mg	3mL	50 per box
ALB-06-500mg	500mg	6mL	30 PCS/box
ALB-06-1000mg	1000mg	6mL	30 per box
ALB-12-1000mg	1000mg	12mL	30 per box
ALB-12-2000mg	2000mg	12mL	20 per box
ALB-12-5000mg	5000mg	12mL	20 PCS/box
ALB-20-2500mg	2500mg	20mL	20 per box



Bioland™ HLB Solid Phase Extraction column (polystyro-divinylbenzene)

HLB reversed-phase chromatography packing is a synthetic ultra-low pressure rapid reversed-phase chromatography packing, which is based on a uniform size of rigid polystyrene molecules and can be operated from medium column chromatography systems to high pressure liquid phase systems. Fillers are similar in nature and use to C18, can replace C18, specific surface area of 600m²/g, pore size of 300A, white powder. It is suitable for industrial fine separation and purification of natural products, chemical drugs, antibiotics and other fields. It has better stability and wide PH applicability than C18.

1. High and stable recovery rate, even if the column bed is dry, the recovery rate is not affected
2. High adsorption capacity. Compared with silica gel, the surface area of HLB is increased by 2-3 times, the capacity factor is greatly improved, and the adsorption capacity of 30mg HLB is equivalent to 100mg C18
3. Excellent batch-to-batch reproducibility
4. good chemical stability
5. Compatible with various automatic solid phase extraction devices

Sample substrate: food, body fluids (plasma/urine, etc.), water, soil, cosmetics

Typical applications: Antibiotics (such as cephalosporins, chloramphenicol, sulfanilamide and beta-lactam antibiotics, diazepam,

estrogens, diethylstilbestrol, tetracycline, macrolides, nitroimidazole, acrylamide, etc.); Pesticide residues (sulfonyleurea herbicides, carbamate pesticides); Separation of peptides and oligonucleotides; High throughput biomacromolecule desalination treatment; And trace organics, environmental priority pollutants, endocrine disruptors.

Order NO.	Gram weight of stuffing	Column specifications	Package
HLB-01-30mg	30mg	1mL	50 per box
HLB-01-60mg	60mg	1mL	50 per box
HLB-03-30mg	30mg	3mL	50 per box
HLB-03-60mg	60mg	3mL	50 PCS/box
HLB-06-150mg	150mg	6mL	30 per box
HLB-06-200mg	200mg	6mL	30 per box
HLB-06-500mg	500mg	6mL	30 per box
HLB-06-1000mg	1000mg	6mL	30 PCS/box
HLB-12-500mg	500mg	12mL	20 per box



Bioland™ solid phase extraction column; More options available

Bioland™ solid phase extraction columns are used to extract target analytes from a variety of complex substrates, including biological fluids (blood and urine), water samples, soil, food, etc., for concentration or purification prior to chromatographic analysis.

The Bioland™ Solid phase extraction column family offers the best quality and superior performance for chromatographic analysis.

The Bioland™ SPE column is filled with a high purity spherical adsorbent and is distributed more evenly, ensuring repeatability and consistency of experimental results in order to guarantee a safe, reliable and efficient sample preparation process.



Bioland™ SAX Solid Phase extraction column (silica gel based strong anion exchange column)

Order NO.	Gram weight of stuffing	Column specifications	Package
SAX-01-30mg	30mg	1mL	50 per box
SAX-01-100mg	100mg	1mL	50 per box
SAX-03-200mg	200mg	3mL	50 per box
SAX-03-500mg	500mg	3mL	50 per box
SAX-06-200mg	200mg	6mL	30 per box
SAX-06-500mg	500mg	6mL	30 per box
SAX-06-1000mg	1000mg	6mL	30 per box
SAX-12-1000mg	1000mg	12mL	20 per box
SAX-12-2000mg	2000mg	12mL	20 per box

Bioland™ Carb Solid Phase Extraction column (activated carbon)

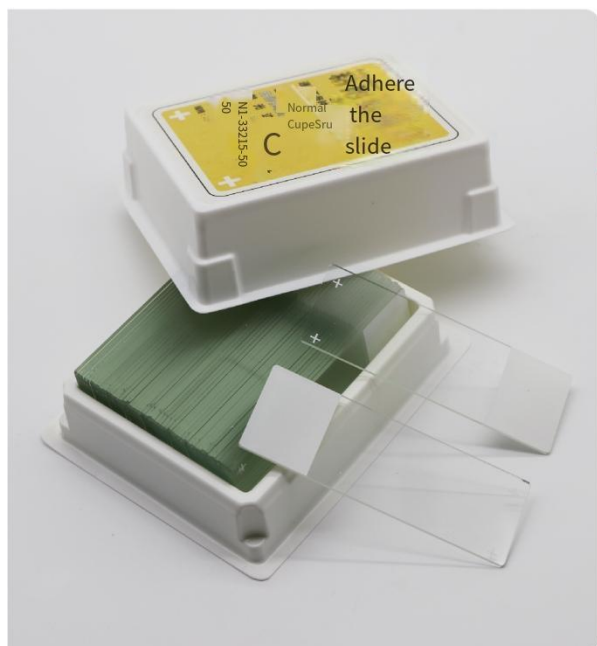
Order NO.	Gram weight of stuffing	Column specifications	Package
Carb-01-100mg	100mg	1mL	50 per box
Carb-03-200mg	200mg	3mL	50 per box
Carb-03-500mg	500mg	3mL	50 per box
Carb-06-500mg	500mg	6mL	30 per box
Carb-06-1000mg	1000mg	6mL	30 per box
Carb-12-1000mg	1000mg	12mL	30 per box
Carb-12-2000mg	2000mg	12mL	20 per box

Bioland™ Diol Solid Phase Extraction column (diol)

Order NO.	Gram weight of stuffing	Column specifications	Package
Diol-01-100mg	100mg	1mL	50 per box
Diol-03-200mg	200mg	3mL	50 per box
Diol-03-500mg	500mg	3mL	50 per box
Diol-06-500mg	500mg	6mL	30 per box
Diol-06-1000mg	1000mg	6mL	30 per box
Diol-12-1000mg	1000mg	12mL	30 per box
Diol-12-2000mg	2000mg	12mL	20 per box

Bioland™ PS-DVB Solid phase extraction column

Order NO.	Gram weight of stuffing	Column specifications	Package
PSD-01-30mg	30mg	1mL	50 per box
PSD-01-60mg	60mg	1mL	50 PCS/box
PSD-03-30mg	30mg	3mL	50 per box
PSD-03-60mg	60mg	3mL	50 per box
PSD-06-150mg	150mg	6mL	30 per box
PSD-06-200mg	200mg	6mL	30 PCS/box
PSD-06-500mg	500mg	6mL	30 per box
PSD-06-1000mg	1000mg	6mL	30 per box
PSD-12-500mg	500mg	12mL	20 per box



Bioland™ Slide series

Slide cover slide

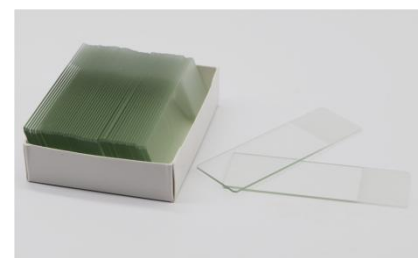
Slide Series



Bioland™ regular slides

- 75x25x1mm
- Pathological grade, pre-clean, ready-to-use type
- Chemical resistance, smooth surface, polished edges
- Suitable for histology, cytology, haematology, urinalysis and microbiology

Order NO.	Description	Package
GS7101-7525	Bioland™ regular slide; 75x25x1mm	50 pieces/box; 50 boxes/box



Bioland™ frosted glass slides

- 75x25x1mm
- Pathological grade, pre-clean, ready-to-use type
- Chemical resistant, flat surface
- Retain the original cut on the edge of the slide
- Have a frosted writing area on one end
- The markings on the frosted writing area are not easily erased or washed off during routine experiments
- Suitable for histology, cytology, hematology, urinalysis, and microbiology

Order NO.	Description	Package
GS7105-7525	Bioland™ frosted slide; 75x25x1mm	50 pieces/box; 50 boxes/box



Bioland™ slip resistant slides

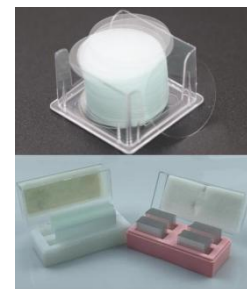
- 75x25x1mm
- Pathological grade, pre-clean, ready-to-use type
- Chemical resistant, flat surface
- Through special surface treatment, the tissue and cells can be adsorbed on the slide
- It is suitable for histology, cytology, microbiology and frozen tissue section

Order NO.	Description	Package
GS7109-7525	Bioland™ slip resistant slide; Scrub; 75x25x1mm	50 pieces/box; 50 boxes/box



Bioland™ cover glass

- Pathological grade, pre-clean, ready-to-use type
- Chemical corrosion resistance, flat surface, no fuzz
- Bioland™ cover slides are available in square, round and rectangular shapes
- Come in an easily accessible plastic box Package
- No.1 thickness: 0.13-0.17mm



Order NO.	Description	Package
Bioland™ round cover glass		
CGS010-12C	Bioland™ round cover glass; Diameter: 12mm	100 pieces/box; 10 boxes/box
CGS010-15C	Bioland™ round cover glass; Diameter: 15mm	100 pieces/box; 10 boxes/box
CGS010-20C	Bioland™ round cover glass; Diameter: 20mm	100 tablets/box; 10 boxes/box
CGS010-22C	Bioland™ round cover glass; Diameter: 22mm	100 pieces/box; 10 boxes/box
Bioland™ square cover glass		
CGS010-18S	Bioland™ Square cover glass; Size: 18x18mm	200 pieces/box; 10 boxes/box
CGS010-20S	Bioland™ Square cover glass; Size: 20x20mm	200 pieces/box; 10 boxes/box
CGS010-22S	Bioland™ Square cover glass; Specification: 22x22mm	200 pieces/box; 10 boxes/box
CGS010-24S	Bioland™ Square cover glass; Size: 24x24mm	200 tablets/box; 10 boxes/box
Bioland™ rectangular cover glass		
CGS010-2430R	Bioland™ rectangular cover glass; Specification: 24x30mm	100 pieces/box; 10 boxes/box
CGS010-2440R	Bioland™ rectangular cover glass; Specification: 24x40mm	100 pieces/box; 10 boxes/box
CGS010-2450R	Bioland™ rectangular cover glass; Specification: 24x50mm	100 pieces/box; 10 boxes/box
CGS010-2460R	Bioland™ rectangular cover glass; Specification: 24x60mm	100 pieces/box; 10 boxes/box

Bioland™ dyeing jars

- Heavy duty glass material
- Bioland™ dyeing jars are available in vertical and horizontal types
- Available in two styles and three sizes

Order NO.	Description	Package
GDC01-05	Bioland™ dye jar; Upright; 5 slots	Single standalone Package
GDC01-09	Bioland™ dye jar; Upright; 9 slots	Single standalone Package
GDC02-10	Bioland™ dye jar; Horizontal; 10-slot	Single standalone Package



Bioland™



Instrument
series

Bioland™ Vortex Mixer

The Bioland™ Vortex mixer is a test tube oscillator that focuses on the point-and-move function. It is suitable for oscillating and mixing samples of various reagents, solutions, chemicals, etc. Especially suitable for mixing and mixing in small containers (up to 50ml centrifuge tube). The compact size of this instrument is mainly suitable for medical, biological engineering, chemical laboratories, biochemical laboratories, etc., the mixing effect is obvious, and there is no pollution effect on the substance in the test tube.

- The shape is novel, the volume is small, the quality is reliable
- Used in centrifuge tube or test tube with capacity not greater than 50ml, the mixing effect is remarkable
- Mixing speed is high, the highest speed can reach 4000rpm
- External 12V power adapter, DC brushless motor

Model	Mix-4000	Mix-4000S
Rev range	3000rpm	3000rpm; adjustable
Amplitude of oscillation	The 4.5 mm	The 4.5 mm
Power supply	Power adapter DC12V/1A	Power adapter DC12V/1A
Overall dimensions (mm)	105 * 105 * 70	105 * 105 * 70
Weight	1.2 kg	1.2 kg



Bioland™ Microplate mini centrifuge

The Bioland™ Microplate mini-centrifuge is a mini instantaneous centrifuge specifically designed for 96-well microplates that is capable of instantly removing droplets from the lower wall by simply moving the microhole

The plate can be vertically loaded from the top slot of the centrifuge (the liquid stays at the bottom of the microplate under the action of surface tension, and does not leak), user-friendly programming,

With adjustable operation modes of point, timing and constant speed, the experiment is more convenient and efficient.

- Wide application range: 96-well, 384-well PCR plate; 96-well, 384-well enzyme label plate; 8x0.2mlPCR tube, 0.2mlPCR tube
- LCD screen, the operation can modify the centrifugal parameters, humanized program design, the configuration of the point, timing and constant speed adjustable operation mode, so that the experiment is more convenient and efficient
- Instantaneous centrifugal function, instantaneous acceleration to the set speed, automatic braking, quick stop
- Dc brushless motor maintenance-free, quiet and stable operation, faster acceleration and deceleration rate, in a shorter time to separate more samples
- Unique appearance design, small size, no space, simple operation, the full cover 90° open for easy access to microplate
- It can quickly remove the droplet from the lower hanging wall, and can be used before and after PCR experiment to significantly improve the experimental effect

Model Number	Mini-3K
RPM	500-3000rpm
Maximum relative centrifugal force	600g
Sample handling capacity	2 96-well PCR plates/enzyme label plates
Timing range	1s ~99s /1min-99min/ dotting
Input power	Power adapter DC24V/2A (AC 100V~230V,50/60Hz)
Overall dimensions (mm)	230 x 195x 195
Net weight	2.6 kg



Bioland™ BLD Series Mini centrifuges

Bioland™ BLD series Mini centrifuges are unique and versatile in appearance, equipped with a variety of rotors for 2.0ml, 1.5ml, 0.5ml, 0.2ml centrifuge tubes and 0.2ml--8 tandem centrifuge tubes for PCR. Humanized design, with flip switch function, open the cover automatically stop (press the upper cover to turn, open the cover to stop).

- Safety design: use flip switch function, open the cover is automatically stopped, the outer cover is made of composite material, not easy to break
- Micro DC motor is adopted



Order NO.	BLD-6K	BLD-7K	BLD-10K	BLD-96K
Adaptive rotor	8x1.5/2.0ml angular rotor 2x8x0.2ml row tube rotor	8x1.5/2.0ml angular rotor 2x8x0.2ml row tube rotor	8x1.5/2.0ml angular rotor 2x8x0.2ml row tube rotor	Microorifice adapter
Maximum speed	6000 RPM	7000 RPM	10000 RPM	2500rpm
Centrifugal force	2000 xg	2300 xg	5000 xg	
Power supply	30W	30W	40W	40W

Bioland™ Vortex Mixer

The vortex mixer is small in size and is mainly suitable for mixing sample tissues, cells, bacterial liquids, chemical reagents, etc. The mixing effect is obvious, and there is no pollution effect on the substance in the test tube.

- Novel shape, small size, reliable quality
- All kinds of 0.2-50ml centrifugal tubes can be oscillated, and other test tubes or containers are diameter
- Mixing speed is high, the maximum speed can reach 3000rpm
- External 12V power adapter, quiet and stable operation, faster acceleration and deceleration speed
- External 12V power adapter, DC brushless motor, a variety of fixtures to choose from



Order NO.	MVM-3000
Concussion RPM	0 to 3000 RPM
Concussion range	4mm (approximate circular oscillation)
Carrying weight	0.4 kg
Power supply	Power adapter DC12V/1A
Dimensions	190X126X113mm
Net weight	2.6 kg

Bioland™ Scroll Mixer accessories

Order NO.	Name No.	Description
V-3000	Standard Concussion head	Standard configuration; Suitable for test tubes less than 30mm
V-2000	Standard tray	Matching VS series fit gasket used
V-1000	15ml/50ml centrifugal tube tray	VL series adaptor gasket is used
VS-0102	VS fit shims	ADAPTS 0.1ml/0.2mlPCR tube; 48 well
VS-0005	VS fit shims	ADAPTS 0.5ml microcentrifuge tube /PCR tube; 36 Wells
VS-1520	VS adaptor shims	Fit 1.5ml/2.0ml microcentrifuge tube; 16 well
VS-0050	VS fit shims	ADAPTS 5.0ml microcentrifuge tube
VL-0150	VL series adaptor gasket	Suitable for 15ml cone-bottom centrifugal tube

VL-0500

VL series adaptor gasket

Suitable for 50ml cone-bottom centrifugal tube

Bioland™ HM series infrared inoculated ring sterilizer

HM series infrared inoculation ring sterilizer adopts infrared heat sterilization, simple operation, no pollution to the environment, safe and convenient, can completely substitute alcohol lamp widely used in biosafety cabinet, purification table, extraction fan, mobile car and other environment for microbial experiments.

- Using high quality ceramic tube heating parts, inoculation ring disinfection and sterilization is safe and convenient, and can completely replace the alcohol lamp
- The heating parts are easy to disassemble and easy to install
- The high temperature in the heating body hole is above 800℃, and the sterilization only takes about 5S, which can be quickly sterilized
- The heating temperature is divided into two levels, low temperature and high temperature

Order NO.	HM150-14	HM100-35
Input power	AC220V, 50HZ	AC220V,50HZ
Maximum temperature in the center area of the heating body	825 °C + 50 °C	825 °C + 50 °C
Maximum outside diameter of sterilized items	14mm	35mm
Heating zone length	150mm	100mm
Heat to maximum temperature time	20min	20min
Ambient temperature for use	5 °C and 40 °C	5 °C and 40 °C
Overall dimensions (mm)	90x160x195	90x140x225
weight	1.3 kg	1.5 kg



Bioland™ CTM-100 Series Heating/cooling type constant temperature mixer/metal bath

CTM-100 thermostatic mixing device integrates mixing, oscillation, incubation heating three functions, using DC brushless motor and microcomputer control technology, it can not only mix a variety of microtube, PCR plate, deep hole plate and microhole plate and other commonly used laboratory consumables, but also has a variety of modules for heating incubation, catalysis function, to meet the needs of different users.

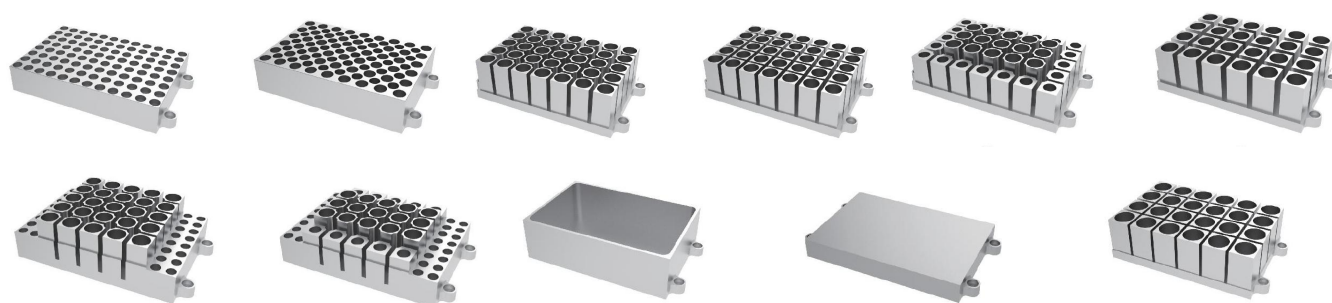
- LCD liquid crystal display, with power recovery function, the instrument can automatically resume operation according to the original setting program after power recovery
- Microprocessor control, accurate oscillation speed, blending perfect mixing radius and excellent mixing technology
- With timing function, the culture time can be set arbitrarily within 0-100 hours
- A variety of standard sample modules are available, easy to replace
- Built-in temperature calibration function and short oscillation point function
- Dc brushless motor drive, long life, maintenance free
- Multiple safety protection functions, safe and reliable



Host technical parameters

Order NO.	CTM-100H	CTM-100R
Temperature control range	Room temperature +5℃ -100℃	0 °C to 100 °C
Time setting	1min-99h59min	1min-99h59min

Temperature control accuracy	Plus or minus 0.5 °C or less	Plus or minus 0.5 °C or less
Display accuracy	0.1 °C	0.1 °C
Temperature uniformity	Plus or minus 0.5 °C or less	Plus or minus 0.5 °C or less
Oscillating speed	200-1500rpm	200-1500rpm
Heating rate	≤12min	≤20min (drop to room temperature 20 ° C) ≤10min (100 ° C to 20 ° C)
Oscillation amplitude	3mm(horizontal rotation)	3mm(horizontal turn)
Overall dimensions (mm)	305 * 210 * 195	305 * 210 * 195
Net weight	8.6 kg	8.8 kg



Optional accessories: Modules	
Order NO.	Description
CTM96-002	PCR tube module; 96 x0.2 ml
CTM54-005	0.5ml microcentrifuge tube module; 54 x0.5 ml
CTM35-015	1.5ml microcentrifuge tube module; 35 x1.5 ml
CTM35-020	2.0ml microcentrifuge tube module; 35 x2.0 ml
CTM24-012	12mm test tube module; 24*12mm
CTM01-N	Square tank (water bath) module
CTM01-96	Test plate/Enzyme label plate/Culture plate module
CTM24-050	5ml centrifuge tube module; 24 x 5ml
CTM12-150	15ml centrifuge tube module; 12 x15ml
CTM06-500	50ml centrifuge tube module; 6x50ml
CTM57-0215	Module: 32x0.2 MLPCR tube +25x1.5ml microcentrifuge tube
CTM57-020515	Module: 32x0.2mlPCR tube +10x0.5ml microcentrifuge tube +15x1.5ml microcentrifuge tube

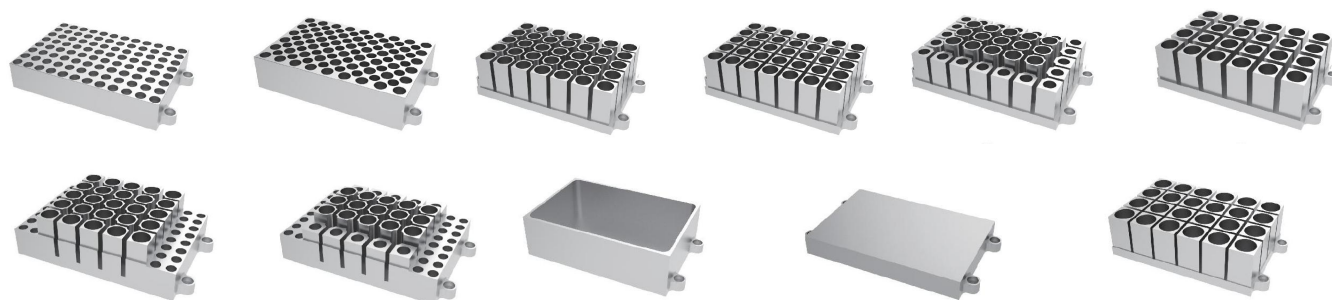
Bioland™ DTM-100 series heating/cooling type dry thermostats

Microcomputer-controlled thermostatic metal bath, instead of the traditional water bath device, can be widely used in sample preservation and reaction, DNA amplification and electrophoresis predenaturation, serum coagulation, etc.

- Real-time temperature display, time decline display
- The instrument has fast heating speed, uniform heating, accurate temperature control and high precision
- Automatic fault detection and buzzer alarm function
- Temperature deviation calibration function
- Multiple module replacement, easy to clean and disinfect
- With programmable function, multi-point temperature control, up to 5 temperature points and continuous temperature time setting and continuous operation



Order NO.	DTM-100H	DTM-100R
Temperature control range	Room temperature +5°C-100°C	- 10 °C to 100 °C
Temperature stability	Plus or minus 0.5 °C or less	Plus or minus 0.5 °C or less
Temperature uniformity	Plus or minus 0.5 °C or less	Plus or minus 0.5 °C or less
Display accuracy	0.1 °C	0.1 °C
Time setting	1min -99h59min	1min -99h59min
Room temperature heating/cooling time	Rise to 100°C≤12min	Rise to 100°C≤12min Decrease to -5°C≤15min Reduce to -10°C≤20min
Input power supply	AC220V/AC110V, 50/60Hz, 150W	AC220V/AC110V, 50/60Hz, 150W
Overall dimensions (mm)	300 * 220 * 170	300 * 220 * 170
Net weight	3.3 kg	4.5 kg



Optional accessories: Modules

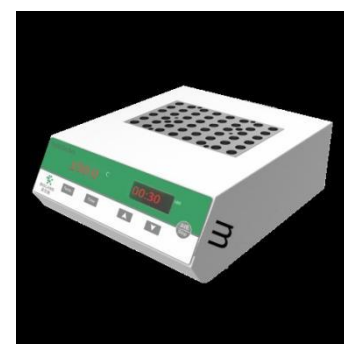
Order NO.	Description
CTM96-002	PCR tube module; 96 x0. 2 ml
CTM54-005	0.5ml microcentrifuge tube module; 54 x0. 5 ml
CTM35-015	1.5ml microcentrifuge tube module; 35 x1. 5 ml
CTM35-020	2.0ml microcentrifuge tube module; 35 x2. 0 ml
CTM24-012	12mm test tube module; 24*12mm
CTM01-N	Square tank (water bath) module
CTM01-96	Test plate/Enzyme label plate/Culture plate module
CTM24-050	5ml centrifuge tube module; 24 x 5ml
CTM12-150	15ml centrifuge tube module; 12 x15ml

CTM06-500	50ml centrifuge tube module; 6x50ml
CTM57-0215	Module: 32x0.2 MLPCR tube +25x1.5ml microcentrifuge tube
CTM57-020515	Module: 32x0.2 MLPCR tube +10x0.5ml microcentrifuge tube +15x1.5ml microcentrifuge tube

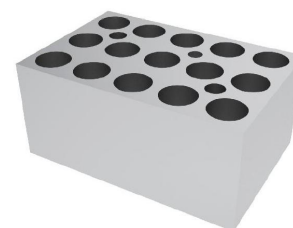
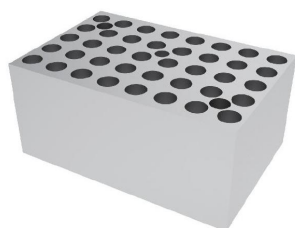
Bioland™ TDM-200 series multi-module dry thermostats

DTM-200 series dry thermostat adopts microcomputer controlled constant temperature metal bath device, high temperature control precision, good sample parallelization, to replace the traditional water bath device, can be widely used in a variety of sample culture, preservation and reaction, the application industry throughout medicine, chemical industry, food safety, quality inspection, environment, etc.

- Temperature, time LED display
- Real-time temperature reality, time decline display
- Automatic fault detection and buzzer alarm function
- Temperature deviation calibration function
- Easy module replacement for easy cleaning and disinfection
- Built-in overtemperature protection device
-



Order NO.	DTM-200S	DTM-200X	DTM-200XL
Temperature range	Room temperature +5°C-150°C		
Timing time	Up to 99 hours and 59 minutes		
Temperature control accuracy	≤±0.5 °C		
Display accuracy	0.1 °C		
Temperature uniformity	≤±0.5 °C		
Heating time	≤20 minutes (20-105°C)		
Number of modules	1	2	4
Heating power	150W	300W	600W
Overall dimensions (mm)	220x240x95	220x260x95	220x340x95
Weight	3.5 kg	4.5 kg	5.7 kg



Bioland™ MP-100 Series Heated/cooled mini metal bath

The MP-100 series Heating/Cooling Mini Metal Bath is a microcomputer-controlled, palm-mounted, thermostatic metal bath that can be used for automotive power supply. Small size, light weight, easy to move, especially suitable for the field or in crowded experimental environment.

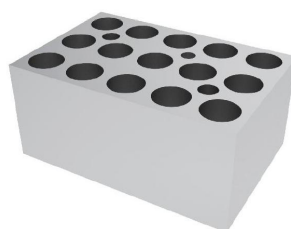
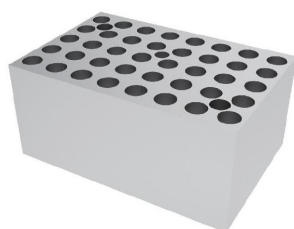
- Instant temperature display, time decline display
- Small size, light weight, easy to move
- 24V DC power input, built-in overtemperature protection device, can be applied to the car power supply
- Automatic fault detection and buzzer alarm function
- Temperature deviation calibration function

Optional accessories: Adaptation module

Model number	Description
MP40-002	40x 0.2ml; 6mm; Cone base
MP24-005	24x 0.5ml; 8mm; Cone base
MP15-015	15x1.5ml; 11mm; Cone base
MP15-020	15x2.0 ml; 11mm; Round base
MP01-C	Cupola module; 12.5mm; Hollow out
MP04-150	4x15ml; 17mm; Flat bottom
MP02-500	2x50ml; 30mm; Flat base

- Multiple module replacement, easy to clean and disinfect

Order NO.	MP-100H	MP-100C
Input power	Power adapter DC 24V,2A	Power adapter DC 12V,5A
Temperature control range	Room temperature +5°C-100°C	0 °C to 100 °C
Time setting	1-999min or 1-999sec	1-999min or 1-999sec
Temperature control accuracy	Plus or minus 0.3 °C or less	Plus or minus 0.5 °C or less
Display accuracy	0.1 °C	0.1 °C
Rising cooling time	≤12min(room temperature rises to 100°C)	≤12min (room temperature rises to 100°C) ≤20min(20°C drops to 0°C)
Temperature stability	Plus or minus 0.3 °C or less	Plus or minus 0.3 °C or less
Overall dimensions (mm)	162 * 107 * 110	162 * 107 * 126
Weight	0.8 kg	0.9 kg



Optional accessories: Adaptation module	
Model number	Description
MP40-002	40x 0.2ml; 6mm; Cone base
MP24-005	24x 0.5ml; 8mm; Cone base
MP15-015	15x1.5ml; 11mm; Cone base
MP15-020	15x2.0 ml; 11mm; Round base
MP01-C	Cupola module; 12.5mm; Hollow out
MP04-150	4x15ml; 17mm; Flat bottom
MP02-500	2x50ml; 30mm; Flat base

Bioland™ CTM-96-2 microplate thermostatic oscillator

CTM-96-2 Microplate thermostatic oscillator The microplate thermostatic oscillator is a microplate thermostatic oscillator formed by micro-processing technology combined with PID control mode. It has the characteristics of small size, light weight, low noise and simple operation. Mainly used for enzymatic plate (96-well / 384-well plate), cell culture plate (24-well plate, 48-well plate, 96-well plate, etc.) and other solutions at the appropriate temperature for mixing or cell incubation, often used in immunohistochemistry and molecular diagnostic experiments of microplate constant temperature oscillation

- It has the function of heating up and down the microporous plate, so that each hole of the microporous plate can be evenly heated
- The microprocessor controls the temperature, speed and time, the temperature control linearity is good, the oscillation speed is accurate, and the fluctuation is small
- The setting and actual temperature, time and oscillation speed parameters can be displayed simultaneously
- 2 standard enzyme plate and microplate can be placed, and sound alarm will be issued after the program is finished to remind the end of the experiment

Order NO.	CTM-96-2	CTM-96-4
Oscillating RPM	100-1200rpm	100-1500rpm
Amplitude of oscillation (horizontal rotation)	2mm	2mm
Temperature control range	Room temperature +5°C-70°C	Room temperature +5 ° C -70 ° C
Temperature control accuracy	Plus or minus 0.3 °C or less	Plus or minus 0.3 °C or less
Display accuracy	0.1 °C	0.1 °C
Heating time (20 ° C to 70 ° C)	≤20min	≤20min
Timing range	1min-99h59min	1min-99h59min
Sample throughput	2 standard microporous plates	4 standard microporous plates
Power supply	AC100-230V, 50-60HZ,120W	AC100-230V, 50-60HZ,120W



Overall dimensions (mm)	270 * 300 * 158	325 * 360 * 180
Weight	6.3 kg	8.5 kg

Bioland™ MO-96-4 microplate oscillator

MO-96-4 microplate oscillator is a DC brushless motor driven oscillation, mainly used for enzyme plate (96-well plate / 384-well plate), cell culture plate (24-well plate, 48-well plate, 96-well plate, etc.) and 1.5/2.0ml centrifuge tube solution mixed oscillation

- LED digital tube display, the operation panel is simple, can accurately display the time and oscillation speed parameters
- Microprocessor control speed and time, oscillation speed accurate, small fluctuation, safe and stable no noise
- Time and oscillation speed parameters can be displayed simultaneously
- 4 standard enzyme plate and microplate can be placed, and sound alarm signal can be issued after the program is finished
- Dc brushless motor drive, long life, free of insurance, can provide soft or strong oscillation

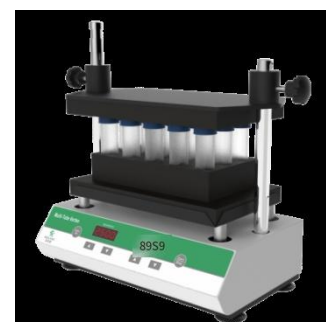


Order NO.	MO-96-4
Oscillating speed set accuracy	10rpm
Oscillating speed	200-1500rpm standard microplate 200-1000rpm deep hole plate or centrifugal tube holder
Time setting	1min-99h59min
Amplitude of oscillation	3mm
Power supply	AC220V or AC120V
Overall dimensions (mm)	300x270x125
Weight	5.5 kg

Bioland™ MMTM-100 multi-tube vortex mixer

The MMTM-100 multi-tube vortex mixer uses a brushless DC motor to drive oscillations and mixes up to 50 samples at a time. A variety of accessories are available to meet the needs of different specifications of tube vortex mixing.

- LCD display speed, time, microprocessor control speed and time
- Up to 50 samples can be processed at a time
- Time and oscillation speed parameters can be displayed simultaneously
- 4 standard enzyme plate and microplate can be placed, and sound alarm signal can be issued after the program is finished
- Dc brushless motor drive, long life, free of insurance, can provide soft or strong oscillation



Order NO.	MTM-100
Oscillating speed set accuracy	10rpm
Oscillating speed	500-2500rpm

Time Settings	1min-99h59min
Amplitude of oscillation	4mm
Power supply	AC100V-230V,100W
Overall dimensions (mm)	240 * 420 * 430
Weight	20kg

Optional accessories: Adaptation module

Module number	Module Description	Dimensions (mm)
MTM50-10	Bioland test tube adaptation module; 50x \varnothing 10mm	245x132x45
MTM50-12	Bioland test tube adaptation module; 50x \varnothing 12mm	245x132x45
MTM50-13	Bioland test tube adaptation module; 50x \varnothing 13mm	245x132x45
MTM50-16	Bioland test tube adaptation module; 50x \varnothing 16mm	245x132x45
MTM15-25	Bioland test tube adaptation module; 15x \varnothing 25mm	245x132x45
MTM15-29	Bioland test-tube adaptation module; 15x \varnothing 29mm	245x132x45
MTM01-T	Replaceable tray mat	305 x178. 5 x25

Bioland™ CT300 Series circular shaker

The Bioland™ CT300 series Circular shaker is compact and uses DC brushless motor technology and microcomputer control technology to provide a wide range of functions for applications in biotechnology, microbiology and medical analysis.

- Rotational speed 50-300rpm
- With timing function, the culture time can be set arbitrarily within the range of 1min~100 hours
- Interchangeable stage, maximum load: 3.0kg
- Low voltage power supply, suitable for freezer use
- Working environment temperature: 4 ~ 45°C
- A variety of trays to choose from, suitable for different mixing work

Order NO.	CT300-10	CT300-20
Rev	50-350rpm	50-300rpm
Track diameter	10mm	20mm
Timing range	1min-99h59min	1min-99h59min
Stage	See Optional accessories	See Optional Parts
Maximum load bearing	3.0 kg	2.5 kg
Power supply	AC 100-230V 50-60HZ,60W	AC 100-230V 50-60HZ,60W
Size (mm)	300 * 270 * 125	300 * 270 * 125
Weight	5.5 kg	5.5 kg



Select accessories

Order Number	Description
CTO1-N	Universal pallet clamp with non-slip rubber pad for all kinds of containers
CT12-100	Conical flask holder with clamp for 12x100/150ml flask
CT6-150	Conical flask holder with clamp for 6x250/300ml flask
CT-1N	Adjustable flask stand, equipped with anti-shan rubber pad, suitable for all kinds of cell culture bottles
CT-MF	Universal fixture for all kinds of centrifugal tubes and conical bottles

FORLAB Reagent



High-glucose DMEM medium containing L-glutamine and sodium pyruvate

Product introduction

- DMEM(Dulbecco's Modified Eagle Medium) is a widely used base medium for a variety of mammalian cell cultures, including cell lines such as HeLa, 293, Cos-7, and PC-12, as well as primary fibroblasts, neurons, glial cells, and more. Human umbilical vein endothelial cells, smooth muscle cells etc., DMEM contains four times the concentration of amino acids and vitamins compared to MEM
- This product uses Water-For-Injection configuration



Order NO.	Description	Product Features	Contains ingredients
FL10010	High-sugar DMEM medium containing L-glutamine and sodium pyruvate 500mL	This product is a filtration and sterilization product	Contain (+)
		Physical appearance: red clarified liquid	4.5g/L D-glucose
		Endotoxin: $\leq 1\text{EU/mL}$	L-glutamine
		Osmotic pressure: 320-350mOsm/kg·H ₂ O	Phenol red
		pH value: 7.0-7.4	0.11g/L sodium pyruvate
		Transport condition: Blue ice	Excluding (-)
		Storage conditions: 2-8 °C store away from light, valid for 12 months	HEPES

Note: This product is intended for scientific research and production, for in vitro culture of tissues and cells; Prohibited from clinical use

DMEM/F-12(1:1) medium with L-glutamine and HEPES

Product introduction

- DMEM/F-12(Dulbecco's Modified Eagle Medium/Nutrient Mixture F-12) is a widely used basic medium to support the growth of a variety of mammalian cells. Successful cultured cells in this medium include MDCK glial cells, Fibroblasts, human endothelial cells and rat fibroblasts;
- A 1:1 mixture of DMEM medium and Ham's F-12 medium, this product is ideal for cultivating a wide range of cell types under low serum conditions
- This product uses Water-For-Injection configuration



Order NO.	Description	Product Features	Contains ingredients
FL10012	DMEM/F-12(1:1) medium containing L-glutamine and HEPES 500mL	This product is a filtration and sterilization product	Contain (+)
		Physical appearance: red clarified liquid	Phenol red
		Endotoxin: $\leq 1\text{EU/mL}$	L Sodium pyruvate
		Osmotic pressure: 290-330 mosm /kg·H ₂ O	HEPES
		pH value: 7.0-7.4	
		Transport condition: Blue ice	
		Storage conditions: 2-8 °C store away from light, valid for 12 months	

Note: This product is intended for scientific research and production, for in vitro culture of tissues and cells; Prohibited from clinical use

RPMI 1640 medium (containing L-glutamine)

Product introduction

- RPMI1640 was originally used for suspension culture or monolayer culture of human leukemia cells. Later, it was found that this medium was also suitable for the culture of HeLa, Jurkat, MCF-7, PC12, peripheral blood mononuclear cells (B and T lymphocytes), astrocytes and cancer cells
- The RPMI1640 medium contains biotin, vitamin B12 and p-aminobenzoic acid that are not present in DMEM, as well as high concentrations of inositol and choline chloride
- This product uses Water-For-Injection configuration



Order NO.	Description	Product Features	Contains ingredients
FL10011	RPMI1640 medium containing L-glutamine 500mL	This product is a filtration and sterilization product	Contain (+)
		Physical appearance: red clarified liquid	L-glutamine
		Endotoxin: $\leq 1\text{EU/mL}$	Phenol red
		Osmotic pressure: 260-305mOsm/kg-H ₂ O	Excluding (-)
		pH value: 7.0-7.4	HEPES
		Transport condition: Blue ice	
		Storage conditions: 2-8 °C store away from light, valid for 12 months	

Note: This product is intended for scientific research and production, for in vitro culture of tissues and cells; Prohibited from clinical use

Phosphate buffer (PBS) (pH7.4)

Product introduction

- Phosphate buffers (PBS) can be used for a variety of cell culture purposes, such as rinsing cells before dissociating them, transporting cell or tissue samples, diluting cells for cell counting, and preparing various reagent solutions
- PBS does not contain calcium and magnesium ions and can be used to clean the chelating agent before cell dissociation
- This product uses Water-For-Injection configuration



Order NO.	Description	Product Features	Contains ingredients
FL10210	Phosphate buffer (PBS) (pH7.4) 500mL	This product is a filtration and sterilization product	Excluding (-)
		Physical appearance: Colorless clear liquid	Ca ²⁺
		Endotoxin: $\leq 1\text{EU/mL}$	Mg ²⁺
		Osmotic pressure: 280-320mOsm/kg-H ₂ O	Phenol red
		pH value: 7.3-7.5	
		Transport condition: room temperature	
		Storage conditions: 2-30 °C store away from light, valid for 5 years	

Note: This product is intended for scientific research and production, for in vitro culture of tissues and cells; Prohibited from clinical use

Serum Free cell storage solution

Product introduction

- FORLAB Serum Free cell freeze is a ready-to-use product that does not contain serum or animal derived proteins. Reduce the risk of contamination by various bacteria, viruses, mycoplasma, etc., ensure the safety of frozen cells, and reduce the influence of exogenous proteins on normal cell growth and differentiation
- Without the need for programmed cooling, it can preserve cells at -80°C for a long time, which is suitable for freezing most mammalian cells



Order NO.	Description	Product Features
FL10020	50ml	Storage conditions: 4 ° C away from light storage, expiration date for the Package
FL10020L	100ml	

Cell Counting Kit-8 (CCK-8) Cell proliferation Kit

Product introduction

- Cell Counting Kit-8, referred to as CCK8 (or WST-8) kits, is based on WST-8 (chemical name: The color reaction of 2-(2-methoxy-4-nitrophenyl)-3-(4-nitrophenyl)-5-(2, 4-disulfonobenzene) -2h-tetrazole monosodium salt is widely used in rapid and sensitive detection kit for cell proliferation and cytotoxicity
- How WST-8 works: In the presence of electron-coupled reagents, it can be reduced by dehydrogenase in mitochondria to produce highly water-soluble orange formazan. The color depth is proportional to the proliferation of cells and inversely proportional to the cytotoxicity. OD values were measured at the wavelength of 450nm by enzymoscope, which indirectly reflected the number of living cells
- WST-8 is an upgrade replacement of MTT, and has obvious advantages over MTT or other MTT similar products such as XTT, MTS, etc. Firstly, Mazan, which is reduced by some dehydrogenases in the mitochondria, is not water-soluble and requires a specific solution to dissolve it. However, formazan produced by WST-8, XTT and MTS is water-soluble and can eliminate the subsequent dissolution steps. Secondly, Formazan produced by WST-8 is more soluble than Formazan produced by XTT and MTS. Thirdly, WST-8 is more stable than XTT and MTS, which makes the experimental results more stable. In addition, WST-8 has a wider linear range and higher sensitivity than MTT and XTT
- CCK method is widely used in drug screening, cell proliferation assay, cytotoxicity assay, tumor drug susceptibility assay and biological factor activity detection



Order NO.	Description	Product Features
FL10030	100T 1 mL	Storage conditions: 4 ° C away from light storage, long-term storage at -20 ° C, the validity of the Package
FL10030M	500T 5 mL	
FL10030L	3000T 30 mL	
FL10030XL	10000T 100 mL	

Bioland : Commonly used resin chemical resistance table

Chemical name	LDPE		HDPE		PP		PET		PC		PS	
Temperature for use ° C	20	50	20	50	20	50	20	50	20	50	20	50
1, 4-digoats heterocycloethane	S	M	G	G	U	U	-	-	U	U	U	U
2,2,4-trimethylpentane	M	U	M	U	M	U	-	-	U	U	U	U
2,4, 6-trinitrophenol	U	U	U	U	U	U	-	-	U	U	G	M
2-methoxyethanol	S	G	S	S	G	S	M	U	U	U	U	U
2-propyl alcohol	S	S	S	S	S	S	-	-	S	S	S	G
acetaldehyde	G	U	G	M	G	M	-	-	U	U	U	U
Acetamide - saturated	S	S	S	S	S	S	-	-	U	U	S	S
Acetic acid -5%	S	S	S	S	S	S	M	U	S	G	S	G
Acetic acid -50%	G	M	S	G	S	S	U	U	G	M	G	G
Acetic acid - ice	G	U	G	G	S	G	U	U	U	U	M	U
Acetic anhydride	U	U	M	M	G	M	-	-	U	U	U	U
Acetone	G	U	U	U	M	U	U	U	U	U	U	U
Potassium cyanide alkyl	S	S	S	S	S	G	-	-	U	U	U	U
acetophenone	U	U	M	M	M	U	-	-	U	U	U	U
acrylonitrile	S	S	S	S	M	U	-	-	U	U	U	U
Adipic acid	S	G	S	S	S	S			S	S	S	S
Alanine	S	S	S	S	S	S			S	S	S	S
Allyl alcohol	S	S	S	S	S	S			G	G	G	M
Aluminum chloride	S	S	S	S	S	S			S	G	S	S
Aluminum hydroxide	S	G	S	S	S	G			M	U	G	G
Aluminum salt	S	S	S	S	S	S			S	G	S	G
Amino acids	S	S	S	S	S	S			S	S	S	S
Ammonia -25%	S	S	S	S	S	S			U	U	S	G
ammonia	S	S	S	S	S	S			U	U	S	G
Ammonium acetate -saturated	S	S	S	S	S	S			G	G	S	S
Ammonium chloride	S	S	S	S	S	S			S	G	S	S
Glycolate ester amine	S	G	S	S	S	G			G	M	S	S
Ammonium hydroxide -5%	S	S	S	S	S	S	M	U	M	U	S	M
Ammonium hydroxide -30%	S	G	S	S	S	G	U	U	U	U	G	M
Ammonium oxalate	S	G	S	S	S	G			S	S	S	S
Ammonium salt	S	S	S	S	S	S			S	S	G	G
Amyl alcohol	S	S	S	S	S	S			G	M	G	M
Amyl chloride	U	U	M	U	U	U			U	U	U	U
Aniline	S	G	G	M	S	G			U	U	U	U
Aqua regia	U	U	U	U	U	U			U	U	U	U
Arsenate acid	G	M	S	S	S	S			S	S	S	S

Bioland : Commonly used resin chemical resistance table

Chemical name	LDPE		HDPE		PP		PET		PC		PS	
Temperature for use°C	20	50	20	50	20	50	20	50	20	50	20	50
benzaldehyde	S	G	G	U	S	G			U	U	U	U
Aniline	S	G	G	M	S	G			U	U	U	U
benzene	U	U	U	U	U	U			U	U	U	U
Benzyl acetate	S	G	S	S	S	G			M	U	U	U
Benzyl alcohol	U	U	M	U	G	G	U	U	U	U	U	U
Boric acid	S	S	S	S	S	S	U	U	S	S	S	S
bromine	U	U	M	U	U	U			M	U	U	U
Bromobenzene	U	U	U	U	U	U			U	U	U	U
Bromoform	U	U	U	U	U	U			U	U	U	U
Butadiene	U	U	M	U	U	U			U	U	U	U
Butyl acetate	G	M	G	M	M	U			U	U	U	U
Butyl chloride	U	U	U	U	U	U			U	U	U	U
Butyric acid	U	U	M	U	U	U			U	U	U	U
Calcium chloride	S	S	S	S	S	S			S	S	S	S
Calcium hydroxide - concentrated	S	S	S	S	S	S			U	U	G	G
Calcium hypochlorite - saturated	S	S	S	S	S	S			M	U	S	G
Carbazole	S	S	S	S	S	S			U	U	S	S
Carbon disulfide	U	U	U	U	U	U			U	U	U	U
Carbon tetrachloride	M	U	G	M	G	M	U	U	U	U	U	U
Caustic potassium -30%	S	S	S	S	S	S			U	U	G	G
Caustic potassium -50%	S	S	S	S	S	S			U	U	G	G
Caustic potassium - concentrated	S	S	S	S	S	S			U	U	G	G
Caustic soda -1%	S	S	M	M	S	S	G		M	U	S	S
Caustic soda -50%	G	G	G	M	S	S	U	U	U	U	S	G
Caustic soda - concentrated	G	G	G	M	S	S	U	U	U	U	S	G
Cedar oil	U	U	M	U	U	U	U	U	G	M	U	U
Acetate fibrinolytic agent	S	G	S	S	M	U			M	U	U	U
Chlorine - aqueous solution	G	U	G	G	M	U			G	M	M	U
Chlorine - moisture	G	U	G	M	M	U			G	M	U	U
Chlorine moisture -10%	G	U	G	M	M	U			G	M	U	U
Chlorine dry gas -10%	G	U	E	M	M	U			G	F	U	U
Chloroacetic acid	S	S	S	S	S	G			M	U	G	U
chlorobenzene	U	U	U	U	U	U			U	U	U	U
chloroform	M	U	M	U	U	U			U	U	U	U

Bioland : Commonly used resin chemical resistance table

Chemical name	LDPE		HDPE		PP		PET		PC		PS	
Temperature for use °C	20	50	20	50	20	50	20	50	20	50	20	50
Chromic acid -10%	S	S	S	S	S	S	G		G	M	S	G
Chromic acid -20%	S	S	S	S	G	G	G		G	M	G	G
Chromic acid -50%	S	S	S	S	G	M			M	U	M	U
Chromic acid - contains sulfur	U	U	U	U	U	U			U	U	U	U
Cinnamon oil	U	U	U	U	U	U			G	M	U	U
Citric acid -10%	S	S	S	S	S	S	G		S	S	S	S
Citric acid -1M	S	S	S	S	S	S	G		S	S	S	S
Copper sulfate	S	S	S	S	S	S	S		S	S	S	S
cresol	U	U	M	U	G	M			U	U	M	U
cyclohexane	M	U	M	U	G	U	G	U	S	M	U	U
cyclohexanone	U	U	M	U	M	U	U	U	U	U	U	U
cyclopentane	U	U	M	U	M	U			U	U	U	U
decahydronaphthalene	G	M	S	G	U	U			S		U	U
naphthalene	G	M	S	G	U	U			S		U	U
diacetone	U	U	U	U	G	M	U	U	U	U	U	U
Diacetone alcohol	M	U	S	S	G	M			U	U	S	M
Dibutyl phthalate	M	U	M	U	G	U			G	U	U	U
diethylbenzene	U	U	M	U	M	U			M	U	U	U
ether	U	U	M	U	M	U	S		U	U	U	U
Diethyl ketone	U	U	U	U	G	G			U	U	U	U
Diethyl malonate	S	S	S	S	S	S			M	U	U	U
Diethylamine	U	U	M	U	G	U			U	U	G	G
Dioxane	G	M	G	G	U	U			U	U	U	U
Diethylene glycol	S	S	S	S	S	S			G	M	S	S
Dimethylacetamide	M	U	S	S	S	S			U	U	U	U
Dimethylformamide	S	S	S	S	S	S	U	U	U	U	U	U
Dimethyl sulfoxide	S	S	S	S	S	S	U	U	S	G	S	G
Dilambs heterocycloethane	G	M	G	G	U	U			U	U	U	U
Dipropylene glycol	S	S	S	S	S	S			G	M	S	S
DMSO	S	S	S	S	S	S	U	U	U	U	S	G
Ethanol -40%	S	G	S	S	S	S	G		S	S	S	G
ether	U	U	M	U	U	U	S		U	U	U	U
Ethyl acetate	S	S	S	S	G	U	U	U	U	U	U	U
Alcohol -40%	S	G	S	S	S	S	G		S	S	S	G
Alcohol -96%	S	G	S	S	S	S	G		S	G	S	G
Alcohol -	S	G	S	S	S	S	G		S	G	S	G
ethylbenzene	U	U	M	U	U	U	S		U	U	G	M

Bioland : Commonly used resin chemical resistance table

Chemical name	LDPE		HDPE		PP		PET		PC		PS	
Temperature for use °C	20	50	20	50	20	50	20	50	20	50	20	50
Ethyl benzoate	M	M	G	G	G	M			U	U	U	U
Ethyl butyrate	G	U	G	M	G	U			U	U	U	U
chloroethane	M	U	U	U	M	U			U	U	U	U
Ethyl cyanoacetate	S	S	S	S	S	S			M	U	G	U
Ethyl lactate	S	S	S	S	S	S			M	U	M	U
Vinyl chloride	U	U	U	U	U	U			U	U	U	U
Ethylene glycol	S	G	S	S	S	S	S		S	G	S	S
Ethylene oxide -100%	M	M	G	M	M	U	G	M	M	U	U	U
Ethylene oxide - Gas	G	G	S	S	S	S	G	M	S	S	S	G
Ethylene oxide	M	M	G	M	M	U	G	M	M	U	U	U
EtO- Gas	G	G	S	S	S	S	G	M	S	S	S	G
EtO	M	M	G	M	M	U	G	M	M	U	U	U
Fatty acids - saturated	G	M	S	S	S	G	G	M	G	M	S	M
Fatty acids - unsaturated	G	M	S	S	S	G	G	M	G	M	S	M
Fluoride -	S	S	S	S	S	S			S	S	G	G
Fluoride - gas	M	U	G	U	U	U			G	M	U	U
Formaldehyde -10%	S	S	S	S	S	S			S	S	G	G
Formaldehyde -40%	S	G	S	G	S	S			S	S	G	G
Formalin -10%	S	S	S	S	S	S			S	S	G	G
Formalin. -40%	S	G	S	G	S	S			S	S	G	G
Formic acid -3%	S	G	S	S	S	G			S	G	S	S
Formic acid -50%	G	G	S	S	S	G			G	M	G	M
Formic acid -85%	G	G	S	S	S	G			M	U	G	M
Formic acid	G	G	S	S	S	G			M	U	G	M
Freon TF	S	G	S	G	S	G			G	U	M	U
Gasoline	U	U	M	U	M	U	G		M	U	U	U
Glutaraldehyde	S	G	S	S	S	S	G		S	M	S	M
Glutaraldehyde disinfectant	S	G	S	S	S	S			S	M	S	M
glycerol	S	S	S	S	S	S			S	S	S	S
Hexane	U	U	G	M	G	M	G		M	U	U	U
hydrazine	U	U	U	U	U	U			U	U	U	U
Hydrobromic acid -69%	S	S	S	G	S	G			G	M	M	M
Hydrochloric acid -5%	S	S	S	S	S	S	G		S	S	S	S
Hydrochloric acid -20%	S	S	S	S	S	S	G		G	M	S	S
Hydrochloric acid -35%	S	S	S	S	S	G	G		M	U	S	S
Hydrofluoric acid -4%	S	S	S	S	S	S	G		S	S	S	S
Hydrofluoric acid -48%	S	S	S	S	S	G	G		G	M	S	S
Hydrogen peroxide -3%	S	S	S	S	S	G	G		S	S	S	G

Bioland : Commonly used resin chemical resistance table

Chemical name	LDPE		HDPE		PP		PET		PC		PS	
Temperature for use °C	20	50	20	50	20	50	20	50	20	50	20	50
Hydrogen peroxide -30%	S	G	S	S	S	M	G		S	S	S	G
Hydrogen peroxide -90%	S	M	S	S	S	M	G		S	S	S	G
Iodine crystals	U	U	U	U	S	S			G	U	G	M
Isobutyric acid	S	S	S	S	S	S			S	G	G	G
Isopropyl alcohol	S	S	S	S	S	S			S	S	S	G
Isopropyl acetate	G	M	S	G	G	M			U	U	U	U
Isopropyl alcohol	S	S	S	S	S	S			S	S	S	G
Isopropyl benzene	M	U	M	U	M	U			U	U	U	U
Isopropyl ether	U	U	M	U	U	U			U	U	U	U
Jet engine ingredients	M	U	M	U	M	U			G	U	G	M
Kerosene	M	U	M	U	M	U	G		S	M	U	U
Spray paint thinner	U	U	M	U	M	U	U	U	U	U	U	U
Lactic acid -3%	S	G	S	S	S	S	M	U	S	S	S	S
Lactic acid -85%	S	G	S	S	S	G	U	U	S	G	S	S
Lead acetate	S	S	S	S	S	S			S	S	S	S
Magnesium chloride	S	S	S	S	S	S			S	S	S	S
MEK	U	U	U	U	S	G	G		U	U	U	U
Mercury chloride	S	S	S	S	S	S	U	U	S	S	G	G
Methanol	S	G	S	S	S	S	G		G	M	G	M
Methoxyethyl oleate	S	G	S	S	S	G	G		M	U	U	U
Methyl acetate	M	U	M	M	G	M	U	U	U	U	U	U
Methanol	S	G	S	S	S	S	G		G	M	G	M
Butyl ketone	U	U	U	U	S	G	G		U	U	U	U
Methyl isobutyl ketone	U	U	U	U	G	M	U	U	U	U	U	U
Methyl propyl ketone	U	U	M	U	G	M	U	U	U	U	U	U
Dichloromethane	U	U	M	U	M	U	U	U	U	U	U	U
Methyl isobutyl ether	U	U	M	U	M	U	U	U	U	U	U	U
MIBK	U	U	U	U	G	M	U	U	U	U	U	U
Mineral oil	G	U	S	S	S	M	G	U	S	S	S	S
Mineral spirit	M	U	M	U	M	U	G		M	M	M	M
N-amyl acetate	G	M	S	G	G	M			U	U	U	U
N-butanol	S	S	S	S	S	S			G	M	S	G
N-butyl acetate	G	M	G	M	G	M			U	U	U	U
N-butyl alcohol	S	S	S	S	S	S			G	M	S	G
N-gontane	M	U	M	U	M	U			M	U	M	U
n-heptane	U	U	M	M	M	M	S		M	U	U	U
Nitric acid -10%	S	S	S	S	S	S	G		S	G	G	N
Nitric acid -20%	S	S	G	G	M	M	G		S	G	M	U
Nitric acid -50%	G	M	M	U	M	U	G		G	M	M	U

Bioland : Commonly used resin chemical resistance table

Chemical name	LDPE		HDPE		PP		PET		PC		PS	
Temperature for use °C	20	50	20	50	20	50	20	50	20	50	20	50
Nitric acid -70%	M	U	M	U	U	U	U	U	G	U	U	U
Nitrobenzene	U	U	U	U	U	U	U	U	U	U	U	U
Nitromethane	U	U	M	U	M	U	U	U	M	U	U	U
n-octane	S	S	S	S	S	S			G	M	U	U
O-dichlorobenzene	M	U	U	U	M	U	U	U	U	U	U	U
Oil - Cedar	U	U	M	U	U	U			G	M	U	U
oil-cinnamon	U	U	M	U	U	U			G	M	U	U
Oil - Mineral	G	U	S	S	S	S			S	G	S	S
Oil - Pine	G	U	M	U	S	G			G	M	U	U
Orange oil	M	U	G	M	G	M			M	M	U	U
Oxalic acid -10%	S	S	S	S	S	S			S	S	S	S
Ozone - Gas	G	U	G	U	M	U			U	U	M	M
p-chlorophenone	S	S	S	S	S	S			G	U	U	U
P-dichlorobenzene	M	U	U	U	G	M	U	U	U	U	U	U
Perchloric acid -70%	G	U	G	U	G	U			U	U	G	M
Perchloric acid	G	U	G	U	G	U			U	U	G	M
Pervinyl chloride	U	U	U	U	U	U			U	U	U	U
Oil	U	U	G	U	U	U			M	M	U	U
Phenol -50%	U	U	U	U	U	U	U	U	U	U	U	U
Phenol - crystal	M	U	G	M	G	U	U	U	U	U	U	U
Phenol - liquid	U	U	U	U	U	U	U	U	U	U	U	U
Phosphoric acid -5%	S	S	S	S	S	S			S	S	S	S
Phosphoric acid -85%	S	U	S	S	S	G			S	G	S	G
Picric acid	U	U	U	U	U	U			U	U	G	M
Pine oil	G	U	M	U	S	G			G	M	U	U
Potassium chloride	S	S	S	S	S	S			S	S	S	S
Potassium hydroxide -1%	S	S	S	S	S	S			S	S	S	S
Potassium hydroxide -30%	S	S	S	S	S	S			M	U	S	G
Potassium hydroxide	S	S	S	S	S	S			U	U	G	G
Potassium permanganate	S	S	S	S	S	G			S	S	S	G
Propane - Gas	U	U	S	S	U	U			M	U	U	U
Propionic acid	M	U	S	M	S	G			U	U	G	U
Propylene glycol	S	S	S	S	S	S			G	M	S	S
Propylene oxide	S	G	S	S	S	G			G	M	U	U
Pyridine	U	U	U	U	S	S			U	U	U	U
Resorcin -5%	S	S	S	S	S	S			G	M	G	M
Resorcinol - Saturated	S	S	S	S	S	S			G	M	G	M
Salicylic aldehyde	S	G	S	S	S	G			G	M	U	U

Bioland : Commonly used resin chemical resistance table

Chemical name	LDPE		HDPE		PP		PET		PC		PS	
Temperature for use°C	20	50	20	50	20	50	20	50	20	50	20	50
Salicylaldehyde - Powder	S	S	S	S	S	S			S	G	S	S
Salicylaldehyde - Saturated	S	S	S	S	S	S			S	G	S	G
sec-butanol	S	S	S	S	S	S			S	G	G	G
Silicone oil	S	G	S	S	S	S	U	U	S	S	S	G
Silver acetate	S	S	S	S	S	S			S	G	G	G
Silver nitrate	S	G	S	S	S	S			S	S	S	S
Aviation hydraulic oil	G	M	S	G	S	G			U	U	U	U
Hydraulic fluid sodium acetate	S	S	S	S	S	S			S	G	S	S
Sodium carbonate	S	S	S	S	S	S	G		G	M	S	G
Sodium dichromate	S	S	S	S	S	S			S	S	S	S
Sodium hydroxide -1%	S	S	M	M	S	S	G		M	U	S	S
Sodium hydroxide -10%	S	S	S	S	S	S	G		U	U	S	S
Sodium hydroxide -50%	G	G	S	S	S	S	U	U	U	U	S	S
Sodium hydroxide	G	G	S	S	S	S	U	U	U	U	S	G
Sodium hypochlorite -15%	S	M	S	G	M	U	G		G	M	E	G
Stearic acid	S	S	G	G	S	S			S	G	S	G
Sulfur dioxide - Dry gas	S	S	S	S	S	S			S	G	M	U
Sulfur dioxide - Liquid	U	U	M	U	S	S			G	U	U	U
Sulfur dioxide - moisture	S	S	S	S	S	S			S	G	M	U
Sulfur dioxide	U	U	M	U	S	S			G	U	U	U
Sulfur salts	M	U	G	M	M	U			M	U	U	U
Sulfuric acid -6%	S	S	S	S	S	S	S		S	S	S	S
Sulfuric acid -20%	S	S	S	S	S	S	S		S	G	S	S
Sulfuric acid -30%	S	S	S	S	S	S	G		G	M	S	S
Sulfuric acid -60%	S	G	S	G	G	M			G	M	S	G
Sulfuric acid -96%	G	G	M	U	M	U			U	U	M	M
Sulfuric acid -98%	G	G	M	U	M	U			U	U	M	M
Sulfuric acid	G	G	M	U	U	U			U	U	U	U
Tartaric acid	S	S	S	S	S	S			S	G	S	G
TCA	M	U	M	U	G	M			M	U	M	U
Tertiary butanol	S	G	S	S	S	G			G	M	G	G
tetrahydrofuran	M	U	M	U	G	M			U	U	U	U
THF	M	U	M	U	G	M			U	U	U	U
Thionyl chloride	U	U	U	U	U	U			U	U	U	U
Iodine tincture	S	G	G	M	S	S			G	U	G	M
Toluene	M	U	U	U	U	U	U	U	U	U	U	U

Bioland : Commonly used resin chemical resistance table

Chemical name	LDPE		HDPE		PP		PET		PC		PS	
Temperature for use°C	20	50	20	50	20	50	20	50	20	50	20	50
Buffer -pH11	S	G	S	G	S	G	M	U	M	U	G	U
Buffer -pH7.0	S	G	S	G	S	G	G	G	G	M	G	U
Trisodium phosphate	S	S	S	S	S	S			G	U	S	S
Turpentine	M	U	M	U	M	U	G		M	U	U	U
undecanol	S	M	S	G	S	G			G	M	G	G
Urea	S	S	S	S	S	S			G	M	S	G
Vinylidene chloride	U	U	M	U	U	U			U	U	U	U
xylene	U	U	M	U	U	U			U	U	U	U
Zinc chloride -10%	S	S	S	S	S	S			S	S	S	S
Zinc stearate	S	S	S	S	S	S			S	S	S	S
Zinc sulfate -10%	S	S	S	S	S	S			S	S	S	S
Tributyl citrate	G	M	S	G	G	M			U	U	U	U
Trichloroacetic acid	M	U	M	U	G	M			M	U	M	U
Trichloroethane	U	U	U	U	U	U			U	U	U	U
Trichloroethylene	U	U	U	U	U	U			U	U	U	U
Triethylene glycol	S	S	S	S	S	S			S	G	S	G
Tripropylene glycol	S	S	S	S	S	S			S	G	S	S

S ----- Meet: Continuous exposure for more than 30 days without damage

G ----- Generally satisfied: Sustained exposure for more than 30 days with no or minimal damage

M ----- not quite satisfied: Sustained contact for more than 7 days with some damage

U ----- Not satisfied: Damage may occur immediately. Do not continue to use.

Note: Due to different use conditions and processes, the actual use effect shall prevail.



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