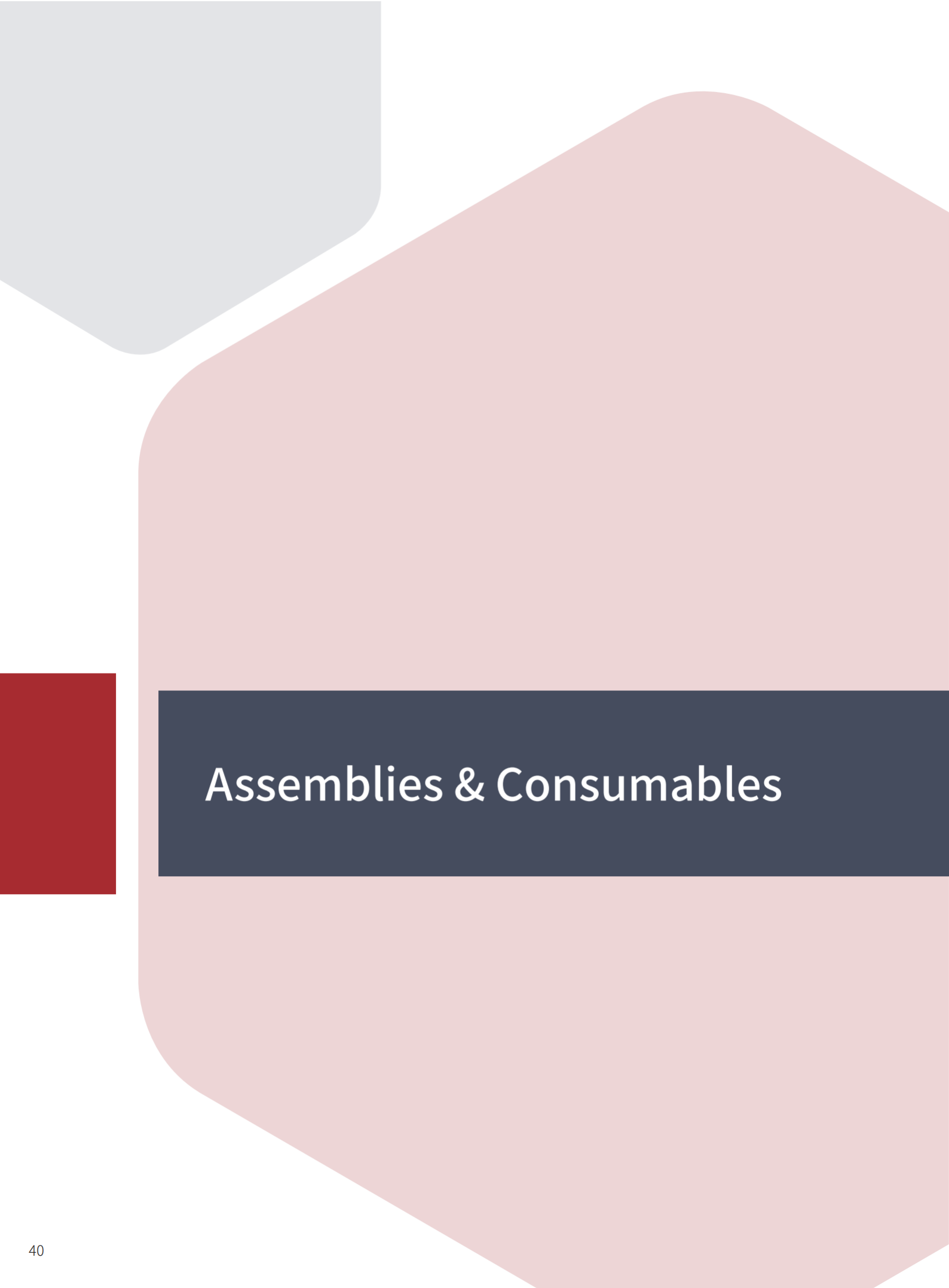


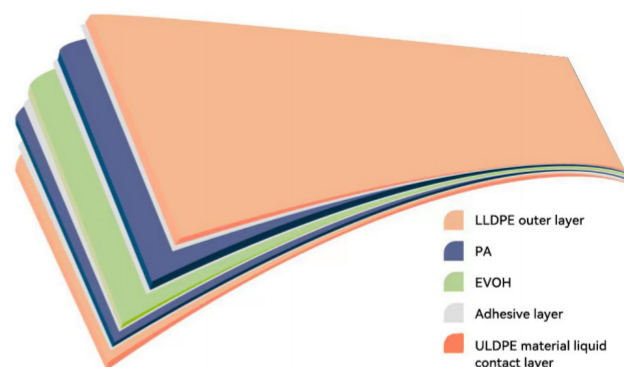


Assemblies & Consumables

JYSS EB1596 Film

JYSS have successfully developed and produced EB1596 film, which is the first 9-layer co-extrusive polymer resin film in the market. This series meet the requirements of European Pharmacopoeia, US Pharmacopoeia, Chinese pharmacopoeia, as well as domestic and foreign standards and industry norms. The film material is mainly composed of PE, PA, EVOH, Different films have the functions like abrasion resistance, adhesion, air barrier and tension resistance. The materials the layer in contact with the liquid belong to inert materials, so films present good tensile strength, puncture resistance, thermal bonding strength and E&L level.

Attribute	Standard	Result
Thickness	Internal test	0.32mm
Puncture resistance	ASTM D3787	14.2
Tensile strength	ASTM D882	20 Mpa
Secant modulus	ASTM D882	258.3Mpa
Toughness	ASTM D882	72.0MJ/m3
Elongation	ASTM D882	623%
Light transmittance	Ultraviolet spectroscopy	78.88%
Elastic coefficient	/	20.1Mpa
Haze	ASTM D1033	6.78%
Heat sealing strength	ASTM D882	72(N/15mm)
Irradiation dose	ISO 11137	25-40kGy



Through different welding processes, EB1596 films have been made into disposable biological reaction bags, disposable liquid storage bags and other consumables. After irradiation and sterilization, these consumables are routinely used in cell culture, liquid preparation, storage, shipping needs and all your process.

Testing Items for EB1596 Film Materials

Physical properties

Appearance, pH, absorbance,
Total organic carbon
Tensile strength
Welding strength
Puncture Resistance
Toughness and elongation
Haze and transmittance
Film thickness
Glass Transition Temperature

Chemical test

Chemical compatibility
PH resistance
Residue on ignition
Metallic element

Biological test

Sterility test
Pyrogen Test
Endotoxin test
Cytotoxicity
Acute systemic toxicity
*Hemolytic reaction
*Skin sensitization test
*Intradermal stimulation test

Other tests

Insoluble particles
Irradiation verification
Extractable test
Water vapor transmission
Oxygen transmission
Carbon dioxide transmission

Quality Control and Assurance

Establish, implement, maintain, and improve a quality management system in accordance with the requirements of ISO 9001:2015 and GMP quality management system;

The quality management department implements independent management rights to achieve the effectiveness of the quality system; Carrying out the Quality Person system and having passed integrity and quality test standards of QA and QC departments;

Single-Use Storage Bag

JYSS provides safe, reliable single-use storage bag (2D, 3D) from 5mL to 2000mL. This series is used in liquid packaging, storage and transport in pharmaceutical process. In addition, aseptic storage of media, biological samples, buffers and other liquids of all sizes, harvesting and process feeding of bioreactor cell fluid are suitable application scenarios for this product.



3D storage bag



2D storage bag

Tubing: platinum vulcanized silicone tubing, TPE tubing, PVC tubing;

Standard line: Inlet, Outlet, sampling;

Connector: quick connector, Y-reducer, Tee, cross-joint, reducer, TC connector, sampling connector, Luer;

components: sterile connector, sterilizing filter ;

Ordering Information

Part number	Bag Volume	Qty/Box	Line 1	Line 2	Line 3
CYD-005ML-009-A2B	5ML	30	8.8 TPE tubing 40mm, connector + Luer male end cap		
CYD-050ML-001-A2B	50ML	30	1/8" * 1/4" Platinum cured silicone tubing, 150mm, Luer male connector + Luer female end cap	1/8" * 1/4" Platinum cured silicone tubing 150mm, Luer female connector + Luer male end cap	
CYD-100ML-002-A2B	100ML	30	1/8" * 1/4" Platinum cured silicone tubing 300mm, Luer male connector + Luer female end cap	1/8" * 1/4" Platinum cured silicone tubing 300mm, Luer female connector + Luer male end cap	
CYD-250ML-002-A2B	250ML	25			
CYD-500ML-002-A2B	500ML	20			
CYD-050ML-010-A2B	50ML	30	1/8" * 1/4" TPE tubing 300mm, Luer male connector + Luer female end cap	1/8" * 1/4" TPE tubing 300mm, Luer female connector + Luer male end cap	
CYD-100ML-010-A2B	100ML	30			
CYD-250ML-010-A2B	250ML	25			
CYD-500ML-010-A2B	500ML	20			
CYD-0001L-003-A2B	1L	20	1/4" * 3/8" Platinum cured silicone tubing 500mm Luer male connector + Luer female end cap	1/4" * 3/8" Platinum cured silicone tubing 500mm Luer female connector + Luer male end cap	1/8" * 1/4" Platinum cured silicone tubing 300mm Luer female connector + Luer male end cap
CYD-0002L-003-A2B	2L	20			
CYD-0001L-011-A2B	1L	20	1/4" * 3/8" TPE tubing 500mm, Dust-proof bag	1/4" * 3/8" TPE tubing 500mm, Dust-proof bag	1/8" * 1/4" TPE tubing 300mm Luer female connector + Needleless sampler
CYD-0002L-011-A2B	2L	20			
CYD-0001L-004-A2B	1L	20	1/4" * 7/16" Platinum cured silicone tubing 500mm Luer male connector + Luer female end cap	1/4" * 7/16" Platinum cured silicone tubing 500mm Luer female connector + Luer male end cap	1/8" * 1/4" Platinum cured silicone tubing 300mm Luer female connector + Luer male end cap
CYD-0002L-004-A2B	2L	20			
CYD-0001L-012-A2B	1L	20	1/4" * 7/16" TPE tubing 500mm, Dust-proof bag	1/4" * 7/16" TPE tubing 500mm, Dust-proof bag	1/8" * 1/4" TPE tubing 300mm Luer female connector + Needleless sampler
CYD-0002L-012-A2B	2L	20			
CYD-0005L-005-A2B	5L	15	3/8" * 5/8" Platinum cured silicone tubing 500mm Quick female connector + Quick female end cap	3/8" * 5/8" Platinum cured silicone tubing 500mm Quick male connector + Quick female end cap	1/4" * 3/8" Platinum cured silicone tubing 300mm Luer female connector + Luer male end cap
CYD-0010L-005-A2B	10L	10			
CYD-0020L-005-A2B	20L	5			
CYD-0050L-005-A2B	50L	10	3/8" * 5/8" TPE tubing 500mm, Dust-proof bag	3/8" * 5/8" TPE tubing 500mm, Dust-proof bag	1/4" * 3/8" TPE tubing 300mm Luer female connector + Needleless sampler
CYD-0005L-016-A2B	5L	15			
CYD-0010L-016-A2B	10L	10			
CYD-0020L-016-A2B	20L	5			
CYD-0050L-016-A2B	50L	10			
CYD-0100L-006-A3B	100L	6	1/2" * 3/4" Platinum cured silicone tubing 1000mm Quick female connector + Quick female end cap	1/2" * 3/4" AP Platinum cured silicone tubing 1000mm Quick male connector + Quick female end cap	1/4" * 3/8" Platinum cured silicone tubing 300mm Luer female connector + Luer male end cap
CYD-0200L-006-A3B	200L	6			
CYD-0250L-006-A3B	250L	4			
CYD-0100L-013-A3B	100L	6	1/2" * 3/4" TPE tubing 1000mm, Dust-proof bag	1/2" * 3/4" TPE tubing 1000mm, Dust-proof bag	1/4" * 3/8" TPE tubing 300mm Luer female connector + Needleless sampler
CYD-0200L-013-A3B	200L	6			
CYD-0250L-013-A3B	250L	4			
CYD-0500L-013-A3B	500L	2			
CYD-0100L-007-A3B	100L	6	1/2" * 3/4" Platinum cured silicone tubing 1000mm TC50 port	1/2" * 3/4" Platinum cured silicone tubing 1000mm TC50 port	1/4" * 3/8" Platinum cured silicone tubing 300mm Luer female connector + Luer male end cap
CYD-0200L-007-A3B	200L	6			
CYD-0250L-007-A3B	250L	4			
CYD-0500L-007-A3B	500L	2	1/2" * 3/4" Platinum cured silicone tubing 1000mm TC50 port	3/4" * 1" Platinum cured silicone tubing 1000mm TC50 port	1/4" * 3/8" Platinum cured silicone tubing 300mm Luer female connector + Luer male end cap
CYD-1000L-008-A3B	1000L	1	3/4" * 1" Platinum cured silicone tubing 1500mm TC50 port	3/4" * 1" Platinum cured silicone tubing 1500mm TC50 port	1/4" * 3/8" Platinum cured silicone tubing 300mm Luer female connector + Luer male end cap
CYD-1000L-014-A3B	1000L	1	3/4" * 1" TPE tubing 1000mm, Dust-proof bag	3/4" * 1" TPE tubing 1000mm, Dust-proof bag	1/8" * 1/4" TPE tubing 300mm Luer female connector + Needleless sampler
CYD-1000L-017-A3B	1000L	1	1" * 1-3/8" Platinum cured silicone tubing 1500mm TC50 port	1" * 1-3/8" Platinum cured silicone tubing 1500mm TC50 port	1/4" * 3/8" Platinum cured silicone tubing 300mm Luer female connector + Luer male end cap
CYD-1000L-015-A3B	1000L	1	1" * 1-3/8" TPE tubing 1000mm, Dust-proof bag	1" * 1-3/8" TPE tubing 1000mm TC50 port Dust-proof bag	1/8" * 1/4" TPE tubing 300mm Luer female connector + Needleless sampler

Single-Use Freezing Bag

The single-use freezing bag is made of medical-grade EVA multilayer co-extruded film, offering excellent oxygen barrier and cryogenic flexibility. Certified USP Class VI biocompatible, they are suitable for diverse cell types, including cord blood, immune cells, and stem cells.

Features and Advantages

- Structure: Bag body, tubing, and outer protective pouch.
- Temperature range: Withstands -196°C freezing and 37°C thawing.
- Double-sealed port prevents liquid nitrogen penetration.
- Outer protective pouch reduces cross-contamination risks.
- Pre-sterilized (gamma-irradiated) and individually packaged.



Item	Bag Volume	Nominal Volume	Recommended Filling Volume
DCD-005ML-001	5ml	5ml	1-3mL
DCD-010ML-001	10ml	10ml	3-6mL
DCD-025ML-001	25ml	25ml	5-8mL
DCD-050ML-001	50ml	50ml	10-20mL
DCD-100ML-001	100ml	100ml	20-50mL
DCD-150ML-001	150ml	150ml	25-60mL
DCD-250ML-001	250ml	250ml	30-70mL
DCD-500ML-001	500ml	500mL	55-100mL
DCD-750ML-001	750mL	750ml	80-190mL
DCD-0001L-001	1000mL	1000mL	95-210mL
DCD-0006L-001	6000mL	6000mL	/
DCD-0012L-001	12000mL	12000mL	/

Note: Custom production available

Single-Use Mixing Bag

The disposable magnetic stirring bag series products are independently developed by Jinyi Shengshi to adapt to our ITD liquid dispensing platform. This makes sure that magnetic stirring bag has extremely low air permeability, good physical strength, excellent chemical compatibility and biological compatibility; Thus, it can be safely used for mixing, storage, and transportation of various biopharmaceutical liquids, and can be customized with square and cylindrical bag bodies according to needs. And according to the needs, the dispensing bags can be customized to adapt to the market's Xcellerex XDM Mixer&Xcellerex XDUO Mixer dispensing platform, Magnetic Mixer dispensing platform, Mobius Mix, and Mobius Power Mix dispensing platforms.

Application

- Culture medium preparation;
- Buffer solution preparation;
- Intermediate product treatment;
- Dissolution of hydrated/hydrophobic particle
- Virus inactivation



3D liquid mixing bag

Order Information

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Disposable Open Type Liquid Mixing Bag

As a disposable liquid mixing bag of LMS series liquid mixing system developed by JYSS BIO independently, disposable open type liquid mixing bag can be used for the mixing use of liquid and liquid or of solid and liquid. Bag is made of JYSS BIO EB1596/9101 film and can be customized as required.

Application

- Culture medium preparation;
- Buffer solution preparation;
- Dissolution of hydrated/hydrophobic particle;

Standard

The quality system for disposable products of Jinyi Shengshi, ISO9001:2015 is based on managing the requirements for medical devices. The design, production, and sterilization process of the product fully comply with the operational requirements of GMP and biopharmaceuticals.



2D liquid mixing bag

Disposable open type liquid mixing bag complies with the standards below:

USP<85>: Endotoxin test

USP<788>: Particle test

USP<87>: Cytotoxicity test

USP<88>: USP Class VI

USP<661>: Physical and chemical plastics test

USP<665>: Test of extractables

ISO 11737: Bioburden

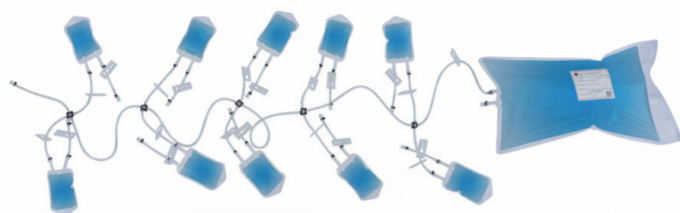
ISO 11737: Irradiation sterilization

ASTM D4169: Package transportation verification

Order Information

Part Number	Product	Qty/Box
LMS-0100L-001-A3B	Single-use liquid mixing bag	10
LMS-0200L-001-A3B	Single-use liquid mixing bag	6

Multi-bag Assembly



Sampling part

Waste liquid part

Simple design, safe, fast, convenient operation
Closed type bag body connection, with inlet and outlet;

Connector: Luer connector, needle-free sampling valve, heparin cap, TPE tube, etc.

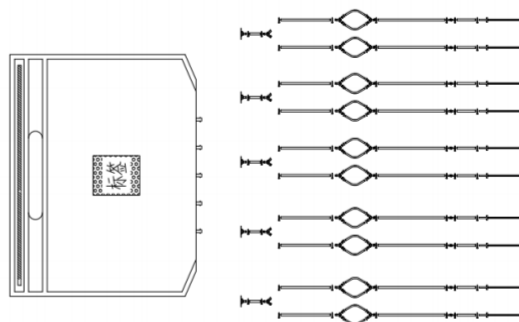
Specification: Sampling part 100 mL

Single-Use Filling Bag

JYSS single-use filling bags use multi-layer co-extruded film for excellent chemical compatibility and physical stability. Pre-sterilized and ready-to-use, they eliminate cleaning validation and reduce contamination risk. The film is USP Class VI and ISO 10993 certified. Supporting gravity and pressure filling modes, these bags provide a safe & efficient solution for biopharmaceutical liquid handling.

Features and Advantages

- Aseptic Formulation Filling: Filling and transfer of liquids such as vaccines, monoclonal antibodies (mAbs), and Antibody-Drug Conjugates (ADCs).
- Cell Therapy: Timed filling and cryopreservation of live cell preparations like CAR-T cells and stem cells.
- Cryopreservation & Cold Chain Transport: Cryopreservation of immune cells; leak-proof and explosion-proof design preserves biological activity.



Specifications

- Capacity: 3-20L
- Filling Needle Specifications: ID 0.5mm - 7mm
- Filling Lines: 1-20 lines

Single-Use BETA Bag

Single-use BETA Bags use pre-sterilized PE film for immediate use. The BETA port enables rapid aseptic transfer, while integrated tubing connects directly to filling bags. This closed system minimizes contamination risks, enhances filling safety, and supports aseptic processes like cryopreservation.



Application

- Final formulation filling

Specifications

- BETA Port Specifications: 110mm or 190mm
- Tubing: Supports customization

