

Stainless steel storage tank

■ Characteristics

In the production of biopharmaceuticals, it is used in conjunction with 3D aseptic storage bags to safely store, transfer and transport a variety of liquids.

■ Main application

- Storage of buffers and media
- Harvest of raw liquids
- Combined collection of intermediates
- Collection of components and samples
- Storage and distribution of intermediates
- Transfer of finished products
- Collection of waste liquids



Overhead mixing and dispensing system

■ Characteristics

It is suitable for uniform mixing and stirring of liquid-liquid and solid-liquid. It can be equipped with disposable plastic mixing blades or 316L stainless steel blades, and disposable open liquid dispensing bags. It can be automatically lifted and lowered depending on the containers used, so as to meet the user's needs of 20L-2000L dispensing volume.



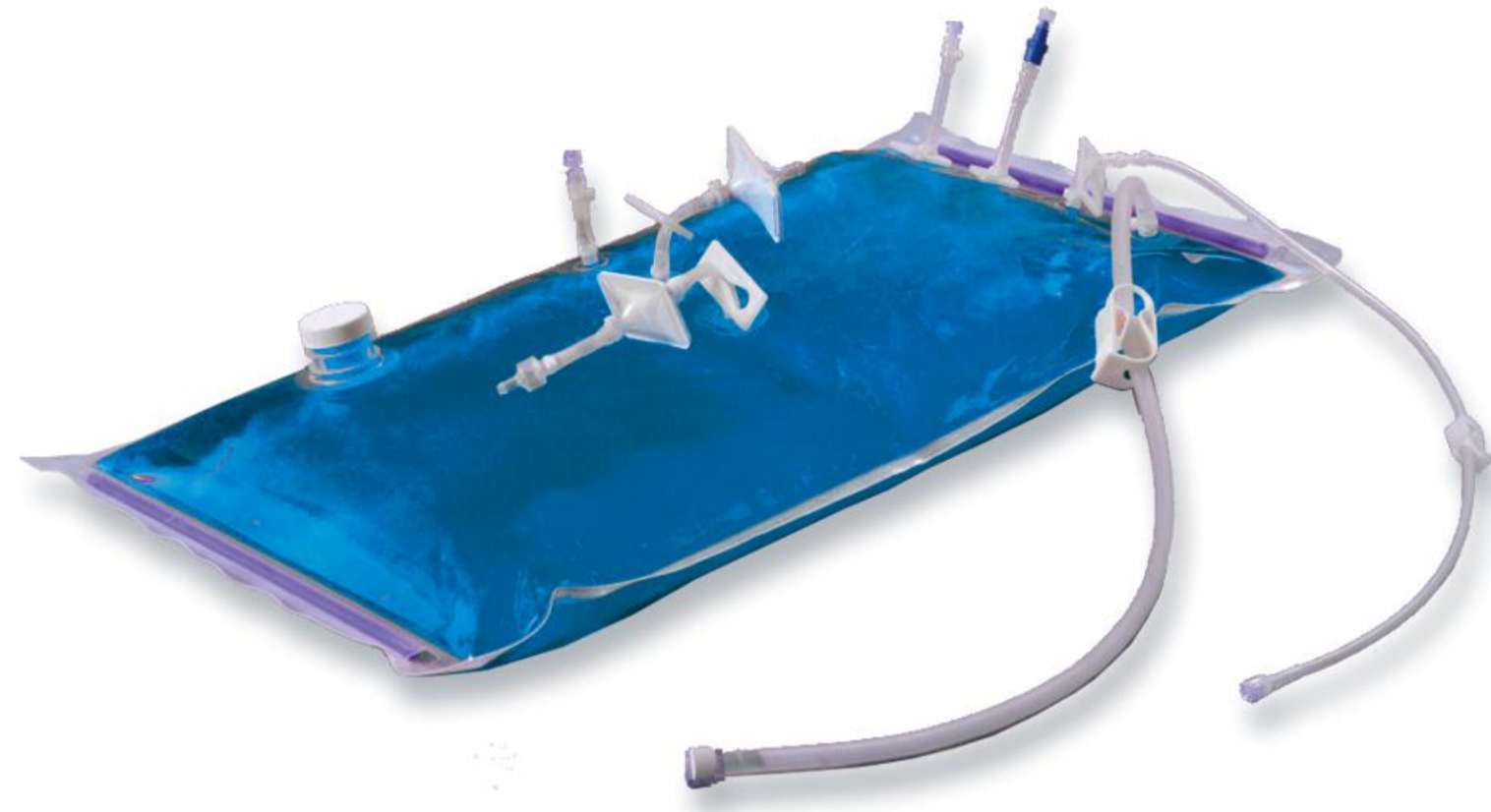
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Single-use Technology

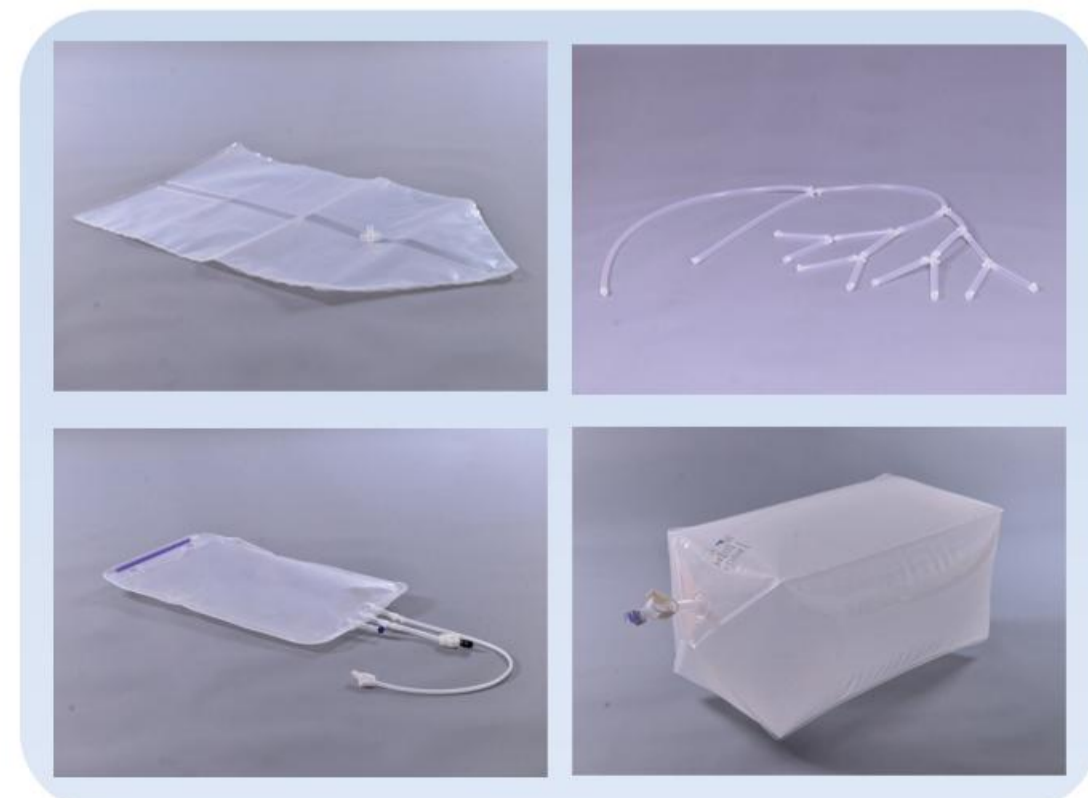
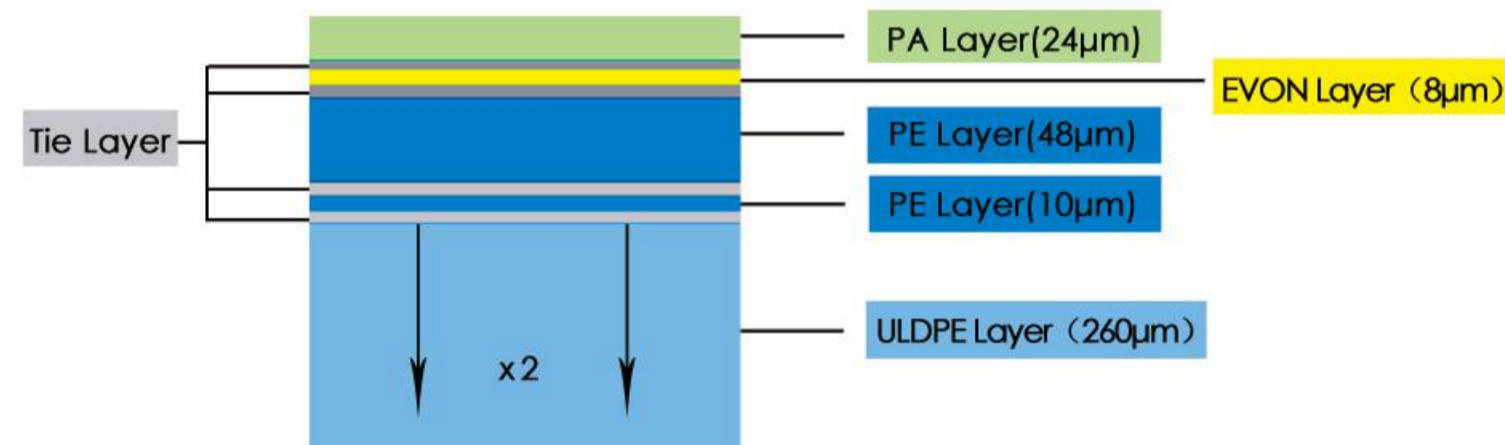
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Cell Culture Bag



■ Characteristics

The culture bag is produced with a high-barrier multi-layer composite film material. More than 10 years of service to our customer has witnessed its reliable biostability and excellent machinability. It can ensure the materials for liquid preparation and cell culture are safe and verified.



Wave Bioreactor

■ Characteristics

- 1) 2D wave mixing
- 2) A closed environment to avoid the contamination caused by foreign materials or the contamination between samples from different sources.
- 3) Disposable multi-layer co-extrusion bag, with extremely high material strength and low precipitation/leaching.
- 4) Automatic control of inoculation, delivery, medium addition and other operations.



■ Model and Parameters

Sub option	Parameters	SUB CST-8 R2/10	SUB CST-8 R20/50	SUB CST-8 R100/200
Mixing platform	Mixing method	2D wave mixing		
	Speed	1-40 RPM		
	Precision	± 1 rpm		
	Angle	1-12 °		
	Angle accuracy	0.5°		
Make-up gas	Culture volume	0.3-5 L	2-25 L	10-100 L
	Intake pressure	1.0-1.5barg		
	Flow range	5-200ml/min	20-1000 mL/min	50-2000ml/min
Refill fluid (WM114)	Flow accuracy	±1% *full scale		
	Flow rate	0.1-127 mL/min		
Temperature control	Probe type	Pt100		
	Control range	20-40 °C		
	Control precision	±0.2 °C		
Optical pH control	Monitoring range	4.5-8.5		
	Control range	6.5-8.5		
Optical DO Control	Monitoring range	0-250.0%		
	Control range	20-100%		

cGMP production

Monoclonal antibodies

Virus production

Key Applications

Insect cells /baculovirus

Adherent cells

Disposable magnetic stirring system



■ Characteristics

With a disposable magnetic stirring bag and an antistatic powder transfer bag, it can realize closed feeding and solution preparation, or the mixing and preparation of multiple sterile liquids.

■ Product specifications

The standard specifications cover 50L, 100L, 200L, 500L, 650L, 1000L, 1500L, 2000L, etc.. Besides, a small-volume dispensing system can be customized according to specific needs, with the working volume being 10L-50L.