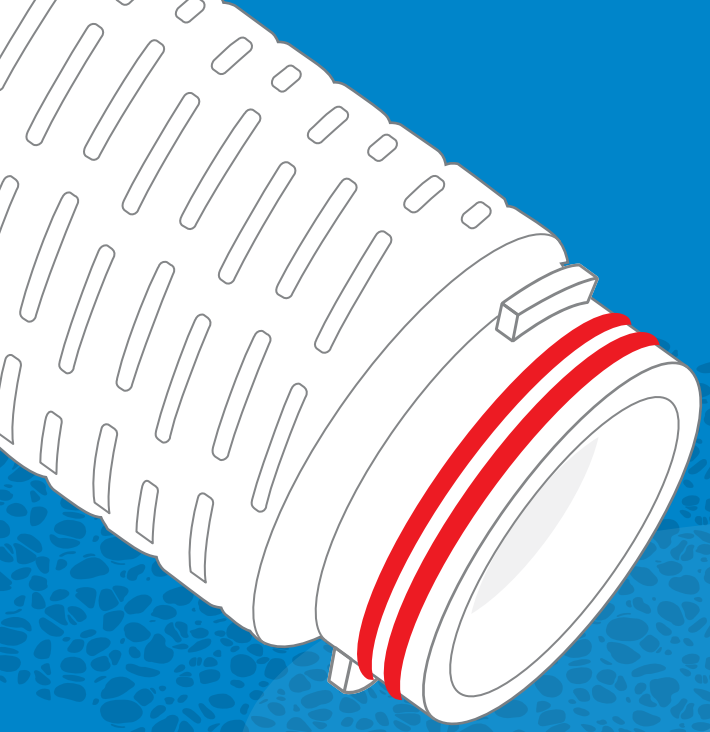
cobetter®
filtration

Laboratory Filtration Products

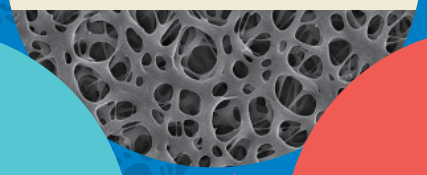


cobetter®
filtration

Filtration
Separation
Purification

Cobetter dedicates itself to providing Filtration, Separation, & Purification Solutions for bio-pharmaceutical processes. Cobetter provides over 6,200+ process validation reports for customers in the pharmaceutical industry (2023), and provided over 2,500+ technical analysis reports for customers in the microelectronic, chemical and life science industry.

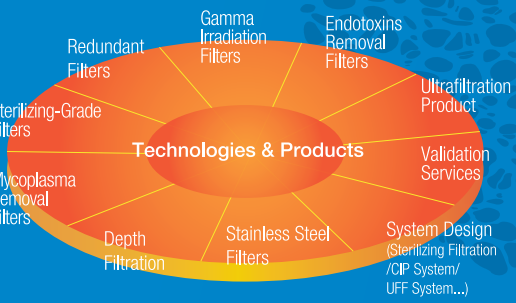
Membrane Manufacturing

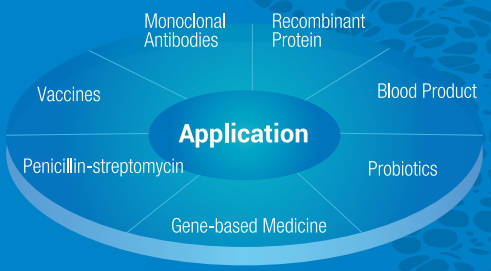


AVL Center

Filter Manufacturing

Housing Manufacturing





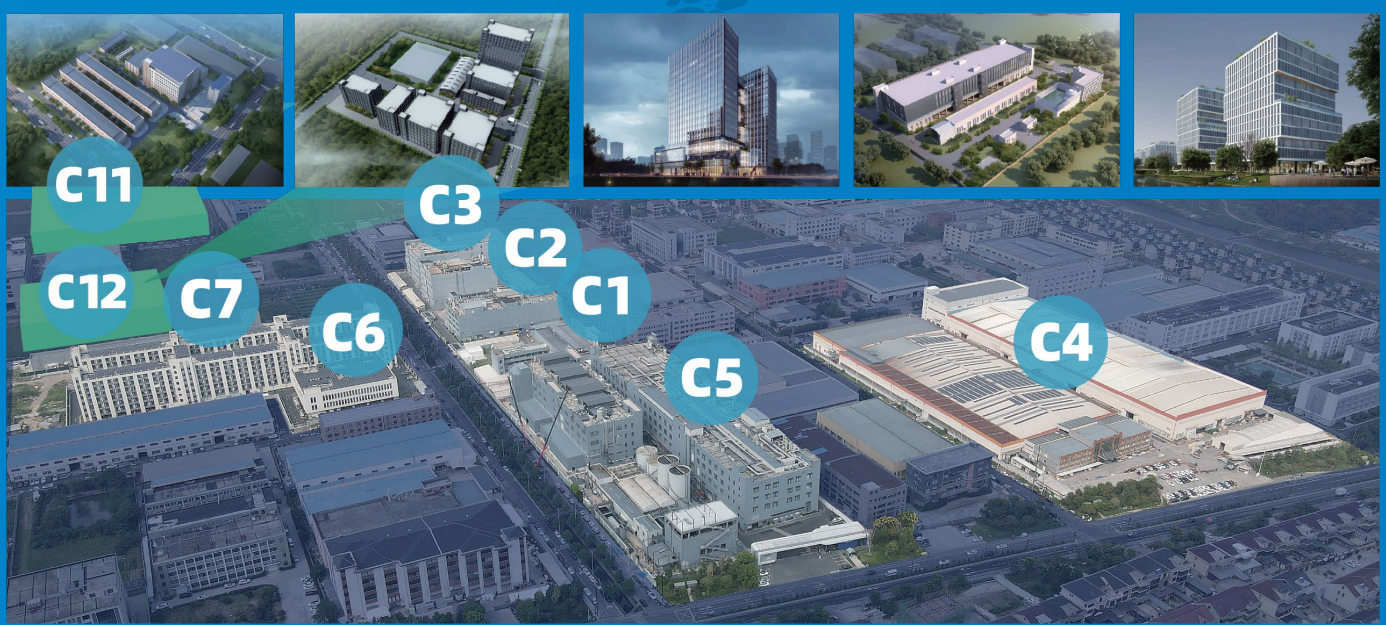
C11 Semiconductor Ultra-pure water Degassing Membrane
66500 SQM, 2025

C12 Biopharma & Semiconductor filtration products manucaturing
60000 SQM 2025.6

C8 R&D Headquarters Office(A tall building)

C9 Hollow-fiber Membranes for ECMO Production Plant

C10 Virus Clearance Validation Services Center
Newtron Bioassay Co.,Ltd



C1 Factory
Membrane Filter Manufacturing
9400 SQM

C2 Factory
Depth Filter Manufacturing
9000 SQM

C3 Factory
Semiconductor & Biological Filter Manufacturing
13500 SQM

C4 Factory
Stainless Filter Manufacturing & Fluoroplastics Resurtech Manufacturing & Housing Manufacturing
28000 SQM

C5 Lab & Factory
AVL Center & Bio-Pharma Single-use Bag Semi-litho Filter
41,000 SQM

C6 Life Center
Life Center 33000 SQM

C7 Factory
Bio-materials Research Center
1300 SQM

Content

Membrane Filters

Syringe Filters

Ultrafiltration

Pressure Filters

Microbiology Testing

Others

Membrane Filters

Selection Guide

Liquid	Aqueous	Tissue culture media, buffer	PES
		Protein filtration	PVDF
		Particle analysis, microbiology	MCE
		Solvent mixture	Nylon / PTFE
	Solvent	Non-polar (hydrophobic)	PTFE
		Polar (Hydrophilic)	Nylon
		Strong acid & alkali	PTFE
Air			PTFE






Membrane Filters for Aqueous Solutions

PES Membrane Filter

PES Membrane Filter possesses a unique asymmetric pore structure, with high porosity, fast flow rates, and high throughput. They exhibit low protein binding and have chemical compatibility ranging from pH 3 to 14, not resistant to ketones, esters, and similar compounds. PES membranes are the preferred choice for fluid sterile filtration.

Ordering Information

Part No.	Membrane	Diameter	Pore size	Qty/pk
MFPES-2225	PES	25mm	0.22μm	50
MFPES-2247	PES	47mm	0.22μm	50
MFPES-2250	PES	50mm	0.22μm	50
MFPES-2260	PES	60mm	0.22μm	25
MFPES-4525	PES	25mm	0.45μm	50
MFPES-4547	PES	47mm	0.45μm	50
MFPES-4550	PES	50mm	0.45μm	50
MFPES-4560	PES	60mm	0.45μm	25

Other pore sizes: 0.1, 0.65, 0.8, 1.2, 3.0, 5.0, 8.0μm;
Other diameters: 13, 90, 100, 110, 142, 150, 200, 300mm

MCE Membrane Filter

Mixed Cellulose Ester (MCE) membranes are composed of cellulose nitrate (CN) and cellulose acetate (CA). They are one of the most widely used membranes in laboratory analysis and research applications, with chemical compatibility in the pH range of 4 to 8.

Ordering Information

Part No.	Membrane	Diameter	Pore size	Qty/pk
MFMCE-2247	MCE	47mm	0.22μm	50
MFMCE-2250	MCE	50mm	0.22μm	50
MFMCE-2260	MCE	60mm	0.22μm	50
MFMCE-4547	MCE	47mm	0.45μm	50
MFMCE-4550	MCE	50mm	0.45μm	50
MFMCE-4560	MCE	60mm	0.45μm	50

Other pore sizes: 0.65, 0.8, 1.2, 3.0, 5.0, 8.0μm;
Other diameters: 13, 25, 90, 100, 110, 142, 150, 200, 300mm

Membrane Filter for Organic Solutions

Nylon Membrane Filter

Nylon membranes have natural hydrophilicity, making them easily wetted by water, and they possess high mechanical strength. Their chemical compatibility spans pH 3 to 14, making them suitable for filtering aqueous solutions and most organic solvents, particularly alkaline solutions and alcohols. They are recommended for filtering DMSO.

Ordering Information

Part No.	Membrane	Diameter	Pore size	Qty/pk
MFNY-2225	Nylon	25mm	0.22μm	50
MFNY-2247	Nylon	47mm	0.22μm	50
MFNY-2250	Nylon	50mm	0.22μm	50
MFNY-2260	Nylon	60mm	0.22μm	25
MFNY-4525	Nylon	25mm	0.45μm	50
MFNY-4547	Nylon	47mm	0.45μm	50
MFNY-4550	Nylon	50mm	0.45μm	50
MFNY-4560	Nylon	60mm	0.45μm	25

Other pore sizes: 0.1, 0.8, 1.0, 3.0, 5.0, 8.0μm;
Other diameters: 13, 90, 100, 110, 142, 150, 200, 300mm

PTFE Membrane Filter

Polytetrafluoroethylene (PTFE) membranes have exceptional chemical compatibility, with a resistance range of pH 1 to 14, virtually tolerating all organic solvents. Their natural hydrophobic properties make them suitable for gas or air filtration applications. Hydrophobic PTFE membranes can withstand high temperatures up to 200 ℃.

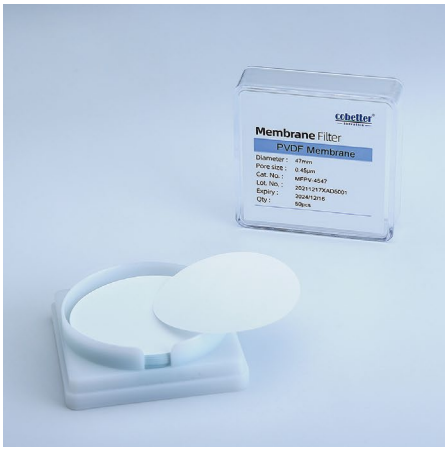
Modified hydrophilic PTFE membranes can directly filter aqueous solutions without the need for pre-wetting with ethanol or isopropanol.

Ordering Information

Part No.	Membrane	Diameter	Pore size	Qty/pk
MFPT-2225	Hydrophobic PTFE	25mm	0.22μm	50
MFPT-2247	Hydrophobic PTFE	47mm	0.22μm	50
MFPT-2250	Hydrophobic PTFE	50mm	0.22μm	50
MFPT-4525	Hydrophobic PTFE	25mm	0.45μm	50
MFPT-4547	Hydrophobic PTFE	47mm	0.45μm	50
MFPT-4550	Hydrophobic PTFE	50mm	0.45μm	50
MFPTH-1047	Hydrophilic PTFE	47mm	0.1μm	50
MFPTH-1050	Hydrophilic PTFE	50mm	0.1μm	50
MFPTH-2247	Hydrophilic PTFE	47mm	0.22μm	50
MFPTH-2250	Hydrophilic PTFE	50mm	0.22μm	50
MFPTH-4547	Hydrophilic PTFE	47mm	0.45μm	50
MFPTH-4550	Hydrophilic PTFE	50mm	0.45μm	50

Other pore sizes: 1.0, 3.0, 5.0μm;
Other diameters: 13, 60, 90, 100, 110, 142, 150, 300mm

PVDF Membrane Filter



Hydrophilic Polyvinylidene Fluoride (PVDF) membranes exhibit good chemical compatibility, with a resistance range of pH 1 to 8, although they cannot withstand acetone, DMSO, THF, DMF, dimethyl carbonate, chloroform, and similar solvents. PVDF membranes are widely used for filtering protein samples and biological products.

Ordering Information

Part No.	Membrane	Diameter	Pore size	Qty/pk
MFPV-2247	Hydrophobic PVDF	47mm	0.22μm	50
MFPV-2250	Hydrophobic PVDF	50mm	0.22μm	50
MFPV-4547	Hydrophobic PVDF	47mm	0.45μm	50
MFPV-4550	Hydrophobic PVDF	50mm	0.45μm	50
MFPVH-1047	Hydrophilic PVDF	47mm	0.1μm	50
MFPVH-1050	Hydrophilic PVDF	50mm	0.1μm	50
MFPVH-2247	Hydrophilic PVDF	47mm	0.22μm	50
MFPVH-2250	Hydrophilic PVDF	50mm	0.22μm	50
MFPVH-4547	Hydrophilic PVDF	47mm	0.45μm	50
MFPVH-4550	Hydrophilic PVDF	50mm	0.45μm	50

Other pore sizes: 1.0μm;

Other diameters: 13, 25, 60, 90, 100, 110, 142, 150, 200, 300mm

GF Membrane Filter

Glass Fiber depth filtration materials contain binders, provide high mechanical strength, and are suitable for filtering coarse particles or solutions with high viscosity.

Ordering Information

Part No.	Membrane	Diameter	Pore size	Qty/pk
MFGF-2225	GF with Binder	25mm	0.22μm	15
MFGF-2247	GF with Binder	47mm	0.22μm	15
MFGF-2290	GF with Binder	90mm	0.22μm	10
MFGF-22110	GF with Binder	110mm	0.22μm	10
MFGF-4525	GF with Binder	25mm	0.45μm	15
MFGF-4547	GF with Binder	47mm	0.45μm	15
MFGF-4590	GF with Binder	90mm	0.45μm	10
MFGF-45110	GF with Binder	110mm	0.45μm	10

PP Membrane Filter

Polypropylene (PP) membranes exhibit excellent resistance to organic solvents, high dirt-holding capacity, and fast flow rates. They are especially suitable for filtering solutions with high levels of impurities or high viscosity. PP membranes can withstand temperatures of up to 80°C.

Ordering Information

Part No.	Membrane	Diameter	Pore size	Qty/pk
MFPP-2225	Hydrophobic PP	25mm	0.22μm	50
MFPP-2247	Hydrophobic PP	47mm	0.22μm	50
MFPP-2250	Hydrophobic PP	50mm	0.22μm	50
MFPP-4525	Hydrophobic PP	25mm	0.45μm	50
MFPP-4547	Hydrophobic PP	47mm	0.45μm	50
MFPP-4550	Hydrophobic PP	50mm	0.45μm	50

Other pore sizes: 0.1, 1.0, 3.0, 5.0, 10.0, 20.0μm;
Other diameters: 13, 60, 90, 100, 110, 142, 150, 200, 250mm

PP Prefilter for ÄKTA Systems

Cobetter PP prefilters are suitable for online filtration in ÄKTA chromatography systems. They are used for prefiltration of feed liquids, extending the lifespan of chromatography columns.

Features

- Smooth, with no obvious hair or fiber shedding
- Compatible with organic solvents and salt buffers commonly used in chromatography

Ordering Information

Part No.	Membrane	Diameter	Pore size	Qty/pk
PT16H-10	PP	1.6±0.1mm	10mm	10

H-DMF Disc Filter Holder

Material And Connect

Material	304
Exhaust Valve/Drain Valve	304
Clamp	304
Feet	304
Sealing Ring/Gasket	Silicon, Fluorine, EPDM
Joint	Through Screw
Inlet/Outlet	Quick Fitting
Exhaust Valve	Inner Diameter of 4mm, Connected to 8mm Tubing

Operating Conditions

Maximum Operating Pressure	0.6 Mpa (6.0 bar)
Maximum Operating Temp.	130℃ （266℉）
Sterilization	Can be autoclaved for 30mins at 121℃

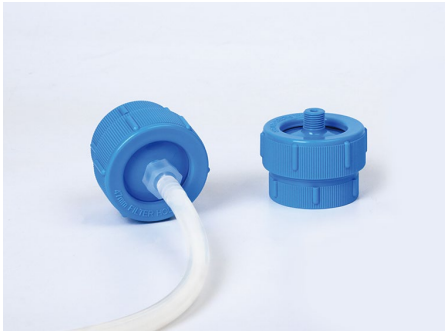
Ordering Information

Part No.	Membrane	Diameter
H-DMF0147FTT25SAXP	Pressurized Disc Filter, Quick Fitting, Silicone Sealing Ring, Mirror Polish	47mm
H-DMF0190STT25SAXP	Pressurized Disc Filter, Quick Fitting, Silicone Sealing Ring, Mirror Polish	90mm
H-DMF01142FTT25SAXP	Pressurized Disc Filter, Quick Fitting, Silicone Sealing Ring, Mirror Polish	142mm

PP Reusable Filter Holder

Specifications

Material	Polypropylene
Effective Filtration Area	13.8 cm^2
Membrane diameter	47mm
OD	60mm x 52mm
Inlet/Outlet	1/4" NPT thread; 1/4" NPT threaded male
O-ring	Silicone
Maximum Operating Pressure	0.5MPa @25℃



Ordering Information

Part No.	Description	Package
47FH-S	PP reusable filter holder accept a 47mm membrane filer	1pc/pk

PVDF Transfer Membrane

Protein transfer is an important step in western blot analysis, where proteins separated in gel are transferred to a solid supporting matrix by electrophoresis. Anchoring a protein to a solid support matrix helps detect a specific protein using antibodies against the target protein.

Typical Applications

· 0.45μm for most blots, especially for proteins larger than 20kDa
· Compatibility: Compatible with commonly used transfer conditions and detection methods (e.g., dye, CLIA, radiolabels, etc.)

Features

· Smooth and flat surface, not easy to curl
· High mechanical strength, easy to be stripped and reprobed multiple times
· Uniform pore size, high mobility, clear and neat bands
· High sensitivity to ensure the success rate of low abundance protein detection

Ordering Information

Part No.	Membrane	Diameter	Pore size	Qty/pk
3350YH-R2703	Hydrophobic PVDF	265mm*3.75m	0.2μm	1 roll
3350YH-F150	Hydrophobic PVDF	150mm*150mm	0.2μm	25 pcs
3350YH-F200	Hydrophobic PVDF	200mm*200mm	0.2μm	25 pcs
3350YH-F8470	Hydrophobic PVDF	84mm*70mm	0.2μm	50 pcs
TS2590H-R2703	Hydrophobic PVDF	265mm*3.75m	0.45μm	1 roll
TS2590H-F150	Hydrophobic PVDF	150mm*150mm	0.45μm	25 pcs
TS2590H-F200	Hydrophobic PVDF	200mm*200mm	0.45μm	25 pcs
TS2590H-F8470	Hydrophobic PVDF	84mm*70mm	0.45μm	50 pcs

Syringe Filters

Cobetter color-coded syringe filters are specifically designed to filter samples for chromatographic analysis, removing particles and microorganisms from aqueous and organic solvents.

Selection Guide

Aqueous	PES		High throughput, low protein adsorption
	MCE		Widely used in water quality analysis and detection
Organic	Nylon		Compatible with organic and aqueous solutions, not resistant to strong alkali
	PTFE		Hydrophobic and hydrophilic available, strong acid and alkali resistance
	PTFE		HPLC certified, no leachables
	PVDF		Low protein binding, suitable for filtration of biological sample
Prefiltration	PP		High dirt holding capacity, wide chemical compatibility
	GF		Filtration of coarse particles or viscous solutions

Syringe Filters for Aqueous Solutions

PES Syringe Filters

Typical Applications

· Filtration of aqueous solutions
· Sterile filtration of tissue culture media and protein solutions

Ordering Information

Part No.	Membrane	Diameter	Pore size	Qty/box (pcs)
SFMPES-2213	PES	13mm	0.22μm	100
SFMPES-4513	PES	13mm	0.45μm	100
SFMPES-8013	PES	13mm	0.8μm	100
SFMPES-2225	PES	25mm	0.22μm	100
SFMPES-4525	PES	25mm	0.45μm	100
SFMPES-8025	PES	25mm	0.8μm	100
SFMPES-2233	PES	33mm	0.22μm	100
SFMPES-4533	PES	33mm	0.45μm	100
SFMPES-8033	PES	33mm	0.8μm	100

MCE Syringe Filters

Typical Applications

· Economic syringe filters for aqueous solutions filtration
· High throughput, particulate removal filtration

Ordering Information

Part No.	Membrane	Diameter	Pore size	Qty/box (pcs)
SFMMCE-2213	MCE	13mm	0.22μm	100
SFMMCE-4513	MCE	13mm	0.45μm	100
SFMMCE-8013	MCE	13mm	0.8μm	100
SFMMCE-2225	MCE	25mm	0.22μm	100
SFMMCE-4525	MCE	25mm	0.45μm	100
SFMMCE-8025	MCE	25mm	0.8μm	100
SFMMCE-2233	MCE	33mm	0.22μm	100
SFMMCE-4533	MCE	33mm	0.45μm	100
SFMMCE-8033	MCE	33mm	0.8μm	100

Syringe Filters for Organic Solutions

Nylon Syringe Filters

Typical Applications

· Filtration of aqueous and organic solutions
· Commonly used for laboratory analytical filtration

Ordering Information

Part No.	Membrane	Diameter	Pore size	Qty/box (pcs)
SFMNY-2213	Nylon	13mm	0.22μm	100
SFMNY-4513	Nylon	13mm	0.45μm	100
SFMNY-8013	Nylon	13mm	0.8μm	100
SFMNY-2225	Nylon	25mm	0.22μm	100
SFMNY-4525	Nylon	25mm	0.45μm	100
SFMNY-8025	Nylon	25mm	0.8μm	100
SFMNY-2233	Nylon	33mm	0.22μm	100
SFMNY-4533	Nylon	33mm	0.45μm	100
SFMNY-8033	Nylon	33mm	0.8μm	100

PTFE Syringe Filters

Typical Applications

· Filtration for organic solutions, strong acid and alkali resistance
· Gas filtration

Ordering Information

Part No.	Membrane	Diameter	Pore size	Qty/box (pcs)
SFMPT-2213	Hydrophobic PTFE	13mm	0.22μm	100
SFMPT-4513	Hydrophobic PTFE	13mm	0.45μm	100
SFMPT-8013	Hydrophobic PTFE	13mm	0.8μm	100
SFMPT-2225	Hydrophobic PTFE	25mm	0.22μm	100
SFMPT-4525	Hydrophobic PTFE	25mm	0.45μm	100
SFMPT-8025	Hydrophobic PTFE	25mm	0.8μm	100
SFMPT-2233	Hydrophobic PTFE	33mm	0.22μm	100
SFMPT-4533	Hydrophobic PTFE	33mm	0.45μm	100
SFMPT-8033	Hydrophobic PTFE	33mm	0.8μm	100
SFMPTH-2213	Hydrophilic PTFE	13mm	0.22μm	100
SFMPTH-4513	Hydrophilic PTFE	13mm	0.45μm	100
SFMPTH-2225	Hydrophilic PTFE	25mm	0.22μm	100
SFMPTH-4525	Hydrophilic PTFE	25mm	0.45μm	100
SFMPTH-2233	Hydrophilic PTFE	33mm	0.22μm	100
SFMPTH-4533	Hydrophilic PTFE	33mm	0.45μm	100

Hydrophilic PVDF Syringe Filters

Typical Applications

- Clarification of protein solutions
- Filtration of biological samples

Ordering Information

Part No.	Membrane	Diameter	Pore size	Qty/box (pcs)
SFMPVH-1013	Hydrophilic PVDF	13mm	0.1μm	100
SFMPVH-2213	Hydrophilic PVDF	13mm	0.22μm	100
SFMPVH-4513	Hydrophilic PVDF	13mm	0.45μm	100
SFMPVH-1025	Hydrophilic PVDF	25mm	0.1μm	100
SFMPVH-2225	Hydrophilic PVDF	25mm	0.22μm	100
SFMPVH-4525	Hydrophilic PVDF	25mm	0.45μm	100
SFMPVH-1033	Hydrophilic PVDF	33mm	0.1μm	100
SFMPVH-2233	Hydrophilic PVDF	33mm	0.22μm	100
SFMPVH-4533	Hydrophilic PVDF	33mm	0.45μm	100

PP Syringe Filters

Typical Applications

- Prefiltration
- High dirt holding capacity, removal of large particulate impurities

Ordering Information

Part No.	Membrane	Diameter	Pore size	Qty/box (pcs)
SFUPP-2013	PP	13mm	0.2μm	100
SFUPP-4513	PP	13mm	0.45μm	100
SFUPP-2025	PP	25mm	0.2μm	100
SFUPP-4525	PP	25mm	0.45μm	100
SFUPP-10025	PP	25mm	1.0μm	100
SFUPP-50025	PP	25mm	5.0μm	100

GF Syringe Filters

Typical Applications

· Depth filtration
· Filtration of viscous samples in environmental and food analysis

Ordering Information

Part No.	Membrane	Diameter	Pore size	Qty/box (pcs)
SFUGF-2213	GF	13mm	0.22μm	100
SFUGF-4513	GF	13mm	0.45μm	100
SFUGF-2225	GF	25mm	0.22μm	100
SFUGF-4525	GF	25mm	0.45μm	100
SFUGF-10025	GF	25mm	1.0μm	100

HPLC Certified
Hydrophilic PTFE Syringe Filters

Features

· Hydrophilic PTFE membrane filter, low adsorption, no leachables
· Filtration for HPLC analysis, ensure reliable and repeatable results
· High batch stability

Ordering Information

Part No.	Membrane	Diameter	Pore size	Qty/box (pcs)
SFUPTH-2013	Hydrophilic PTFE	13mm	0.2μm	100
SFUPTH-4513	Hydrophilic PTFE	13mm	0.45μm	100
SFUPTH-2025	Hydrophilic PTFE	25mm	0.2μm	100
SFUPTH-4525	Hydrophilic PTFE	25mm	0.45μm	100

Sterile Syringe Filters

Features

- PES membrane with high flow rate, hydrophilic PVDF membrane with low protein binding
- Unique double-layer membrane structure, higher loading capacity
- Sterile by Gamma irradiation and individually packed

PES Sterile Syringe Filters

Part No.	Membrane	Diameter	Prefilter	Pore size	Sterilization	Qty/box (pcs)
SFMPES-1013S	PES	13mm	0.2μm	0.1μm	Yes	100
SFMPES-2213S	PES	13mm	0.65μm	0.22μm	Yes	100
SFMPES-4513S	PES	13mm	0.8μm	0.45μm	Yes	100
SFMPES-1025S	PES	25mm	0.2μm	0.1μm	Yes	100
SFMPES-2225S	PES	25mm	0.65μm	0.22μm	Yes	100
SFMPES-4525S	PES	25mm	0.8μm	0.45μm	Yes	100
SFMPES-1033S	PES	33mm	0.2μm	0.1μm	Yes	100
SFMPES-2233S	PES	33mm	0.65μm	0.22μm	Yes	100
SFMPES-4533S	PES	33mm	0.8μm	0.45μm	Yes	100

Hydrophilic PVDF Sterile Syringe Filters

Part No.	Membrane	Diameter	Prefilter	Pore size	Sterilization	Qty/box (pcs)
SFMPVH-1013S	Hydrophilic PVDF	13mm	0.2μm	0.1μm	Yes	100
SFMPVH-2213S	Hydrophilic PVDF	13mm	0.65μm	0.22μm	Yes	100
SFMPVH-4513S	Hydrophilic PVDF	13mm	1.0μm	0.45μm	Yes	100
SFMPVH-1025S	Hydrophilic PVDF	25mm	0.2μm	0.1μm	Yes	100
SFMPVH-2225S	Hydrophilic PVDF	25mm	0.65μm	0.22μm	Yes	100
SFMPVH-4525S	Hydrophilic PVDF	25mm	1.0μm	0.45μm	Yes	100
SFMPVH-1033S	Hydrophilic PVDF	33mm	0.2μm	0.1μm	Yes	100
SFMPVH-2233S	Hydrophilic PVDF	33mm	0.65μm	0.22μm	Yes	100
SFMPVH-4533S	Hydrophilic PVDF	33mm	1.0μm	0.45μm	Yes	100

Purcise™ Q Membrane Chromatography Syringe Filter

Purcise™ Q membrane is a new anion exchange medium that modifies special functional groups in crosslinked polymer coatings, enabling the separation and purification of negatively charged components. Compared with the traditional column chromatography filters, the membrane chromatography medium has a higher process flow rate to shorten the processing time and a higher dynamic binding load for biological macromolecules (such as plasmid DNA, enveloped virus, etc,) to reduce the process cost.

Typical Applications

· Removal of contaminants such as host DNA, viruses, host cell proteins and endotoxins from biological fluids
· Capture of relatively large target molecules (e.g. recombinant proteins, plasmids, viral vectors, and plasma fractions)
· Purification of small molecules such as oligonucleotides, peptides

Product Specification

Product Specification	CXU33	CXD32	
Lab Specification			
Volume	0.2 mL	0.45 mL	0.9 mL
Minimum standards BSA binding capacity	50 mg/ml	50 mg/ml	50 mg/ml
Membrane forms	Flatbed	Flatbed	Flatbed
Layers	3	8	16
Connection forms	Inlet: Female luer Outlet: Similar to male luer	Female luer	Female luer
Structural material	Up housing: PP Lower housing: PP	Up housing: PP Lower housing: PP	Up housing: PP Lower housing: PP
Recommended flow rate range*	0.2-5 mL/min	0.45-11.25 mL/min	0.9-22.5 mL/min
Max. operating pressure	4.0 bar	4.0 bar	4.0 bar
Typical applications	Process development experiments; reduced model tests	Process development experiments; reduced model tests	Process development experiments; reduced model tests

Ordering Information

Part No.	Description	Membrane Volume	Qty/box (pcs)
CXU33EAQ03CP1P	Purcise™ Q Membrane Chromatography Syringe Filter	0.2 ml	1
CXU33EAQ03CP4P	Purcise™ Q Membrane Chromatography Syringe Filter	0.2 ml	4
CXD32EAQ08CC1P	Purcise™ Q Membrane Chromatography Syringe Filter	0.45 ml	1
CXD32EAQ08CC4P	Purcise™ Q Membrane Chromatography Syringe Filter	0.45 ml	4
CXD32EAQ16CC1P	Purcise™ Q Membrane Chromatography Syringe Filter	0.9 ml	1
CXD32EAQ16CC4P	Purcise™ Q Membrane Chromatography Syringe Filter	0.9 ml	4

Ultrafiltration

Centrifugal Filters

· High concentration factors -- 80-100 fold concentration can be easily achieved
· Fast concentration speed -- Generally in 10–60 mins
· High recovery rate -- A recovery rate of more than 90% can be achieved
· Low protein adsorption -- RC membrane and smooth inner wall design have extremelylow protein adsorption
· Complete specifications -- MWCO: 3K, 10K, 30K, 50K, 100K

Typical Applications

· Concentration and purification of antigens, antibodies, enzymes, and other proteins as well as nucleic acids, microorganisms and other biological samples
· Desalting, buffer exchange
· Purification of macromolecules in tissue culture extracts or cell lysates
· Remove primers, adapters or molecular tags from the reaction mixture

Specifications

Maximum sample capacity				
Fixed angle 45°	0.5ml	2ml	4ml	15ml
Swing bucket		2ml	4ml	15ml
Recommended final concentrate volume	15-20μL	20-70μL	80-200μL	150-300μL
Max.centrifuge force				
Fixed angle 45°	14000 xg	7500 xg	5000 xg	5000 xg
Swing bucket		4000 xg	4000 xg	4000 xg
Effective filter area	0.6 cm^2	1.4 cm^2	3.4 cm^2	7.4 cm^2
Dimensions				
Length (with cover)	53 mm	120.0 mm	124.5 mm	119.6 mm
Lid diameter			23 mm	33.5 mm
Tube diameter	12.5 mm	16.3 mm	16.9 mm / 15.9 mm	29 mm / 28 mm
Material				
Membrane	RC	RC	RC	RC
Lid			HDPE	HDPE
Ultrafiltration device	PS	GPPS	GPPS	GPPS
Centrifuge tube	PP	PP	PP	PP
Seals	Silicone	Silicone	Silicone	Silicone

Ordering Information

Part No.	MWCO	Specification	Color Code	Qty/pk (pcs)
ULRT0020150P	2kDa, RC Membrane	15mL	Sprout green	24
ULRT0030150P	3kDa, RC Membrane	15mL	Blue	24
ULRC0100150P	10kDa, RC Membrane	15mL	Red	24
ULRC0300150P	30kDa, RC Membrane	15mL	Yellow	24
ULRC0500150P	50kDa, RC Membrane	15mL	Orange	24
ULRC1000150P	100kDa, RC Membrane	15mL	Green	24
ULRT3000150P	300kDa, RC Membrane	15mL	Sky Blue	24
ULRT0020040P	2kDa, RC Membrane	4mL	Sprout green	15
ULRT0030040P	3kDa, RC Membrane	4mL	Blue	15
ULRC0100040P	10kDa, RC Membrane	4mL	Red	15
ULRC0300040P	30kDa, RC Membrane	4mL	Yellow	15
ULRC0500040P	50kDa, RC Membrane	4mL	Orange	15
ULRC1000040P	100kDa, RC Membrane	4mL	Green	15
ULRT3000040P	300kDa, RC Membrane	4mL	Sky Blue	15
ULRT0030020P	3kDa, RC Membrane	2mL		15
ULRC0100020P	10kDa, RC Membrane	2mL		15
ULRC0300020P	30kDa, RC Membrane	2mL		15
ULRC0500020P	50kDa, RC Membrane	2mL		15
ULRC1000020P	100kDa, RC RC Membrane	2mL		15
ULRT0030005P	3kDa, RC Membrane	0.5mL		24
ULRC0100005P	10kDa, RC Membrane	0.5mL		24
ULRC0300005P	30kDa, RC Membrane	0.5mL		24
ULRC0500005P	50kDa, RC Membrane	0.5mL		24
ULRC1000005P	100kDa, RC Membrane	0.5mL		24

TFF Cassettes

Typical Applications

· Concentration and desalting of protein, peptide and oligonucleotide solutions
· Purification and recovery of antibodies or recombinant proteins
· Vaccine and conjugate concentration and percolation
· Production of mAb
· Endotoxin removal

Consieve® UFC Ultrafiltration Cassettes

Consieve® UFC RC Cassettes have the characteristics of high flux, strong anti-pollution ability, and easy cleaning. The cassette uses regenerated cellulose（RC) membrane material, which has very good hydrophilic properties and ultra-low protein binding and adsorption, lower leachables, and good solvent resistance make it suitable for ultrafiltration process of antibodies, recombinant proteins, blood and other biological applications. Low working volume and high efficiency ensure maximum product yields.

Material

Membrane	Regenerated Cellulose(RC)
Screen	PP
Gasket	Silicone
Sealant	Silicone
Material Features	Low protein binding and high product yield High flux Special solvent resistance

Information

PH Range	1-14
NMWL	1/3/5/8/10/30/50/100/300/500/1000KD
Max. Operating Temperature	50°C
Max. Operating Pressure	4bar
Integrity	100% Integrity testing
Tangential Flow Rate	100% Tangential flow rate testing
Biocompatibility	Component materials meet the requirements of the current USP<88> for plastic class VI.

Ordering Information

Part No.	Description	Package
UFCLA0001001P	Lab RC TFF cassette，filtration area：0.01m²，MWCO: 1kDa	1
UFCLA0002001P	Lab RC TFF cassette，filtration area：0.01m²，MWCO: 2kDa	1
UFCLA0003001P	Lab RC TFF cassette，filtration area：0.01m²，MWCO: 3kDa	1
UFCLA0005001P	Lab RC TFF cassette，filtration area：0.01m²，MWCO: 5kDa	1
UFCLA0010001P	Lab RC TFF cassette，filtration area：0.01m²，MWCO: 10kDa	1
UFCLA0030001P	Lab RC TFF cassette，filtration area：0.01m²，MWCO: 30kDa	1
UFCLA0001010P	Lab RC TFF cassette，filtration area：0.11m²，MWCO: 1kDa	1
UFCLA0002010P	Lab RC TFF cassette，filtration area：0.11m²，MWCO: 2kDa	1
UFCLA0003010P	Lab RC TFF cassette，filtration area：0.11m²，MWCO: 3kDa	1
UFCLA0005010P	Lab RC TFF cassette，filtration area：0.11m²，MWCO: 5kDa	1
UFCLA0010010P	Lab RC TFF cassette，filtration area：0.11m²，MWCO: 10kDa	1
UFCLA0030010P	Lab RC TFF cassette，filtration area：0.11m²，MWCO: 30kDa	1

Consieve® UET Uiltrafiltration Cassettes

Consieve® UET PES Cassettes have high retention efficiency with low working volume and are easy to clean/install. Available in Lab and Flow format, both have same height and length screen type, easy to amplify based on specific process requirements. The inner gaskets make installation/cleaning/storage/replacement quick and easy. Low working volume and high efficiency ensure product yields.

Material

Membrane	PES
Screen	PP
Gasket	Silicone
Sealant	Silicone
Material Features	Low protein binding and high product yield High flux Broad chemical compatibility

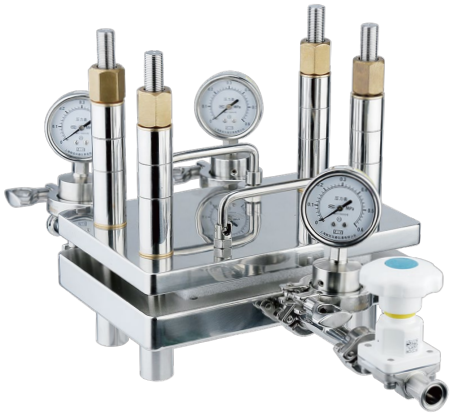
Information

PH Range	1-14
NMWL	1/3/5/8/10/30/50/100/300/500/1000KD
Max. Operating Temperature	50°C
Max. Operating Pressure	4bar
Integrity	100% Integrity testing
Tangential Flow Rate	100% Tangential flow rate testing
Biocompatibility	Component materials meet the requirements of the current USP<88> for plastic class VI.

Ordering Information

Part No.	Description	Package
UFELA0001001P	Lab PES TFF cassette，filtration area：0.01m²，MWCO: 1kDa	1
UFELA0003001P	Lab PES TFF cassette，filtration area：0.01m²，MWCO: 3kDa	1
UFELA0005001P	Lab PES TFF cassette，filtration area：0.01m²，MWCO: 5kDa	1
UFELA0008001P	Lab PES TFF cassette，filtration area：0.01m²，MWCO: 8kDa	1
UFELA0010001P	Lab PES TFF cassette，filtration area：0.01m²，MWCO: 10kDa	1
UFELA0030001P	Lab PES TFF cassette，filtration area：0.01m²，MWCO: 30kDa	1
UFELA0050001P	Lab PES TFF cassette，filtration area：0.01m²，MWCO: 50kDa	1
UFELA0100001P	Lab PES TFF cassette，filtration area：0.01m²，MWCO: 100kDa	1
UFELA0300001P	Lab PES TFF cassette，filtration area：0.01m²，MWCO: 300kDa	1
UFELA0001010P	Lab PES TFF cassette，filtration area：0.11m²，MWCO: 1kDa	1
UFELA0003010P	Lab PES TFF cassette，filtration area：0.11m²，MWCO: 3kDa	1
UFELA0005010P	Lab PES TFF cassette，filtration area：0.11m²，MWCO: 5kDa	1
UFELA0008010P	Lab PES TFF cassette，filtration area：0.11m²，MWCO: 8kDa	1
UFELA0010010P	Lab PES TFF cassette，filtration area：0.11m²，MWCO: 10kDa	1
UFELA0030010P	Lab PES TFF cassette，filtration area：0.11m²，MWCO: 30kDa	1
UFELA0050010P	Lab PES TFF cassette，filtration area：0.11m²，MWCO: 50kDa	1
UFELA0100010P	Lab PES TFF cassette，filtration area：0.11m²，MWCO: 100kDa	1
UFELA0300010P	Lab PES TFF cassette，filtration area：0.11m²，MWCO: 300kDa	1

Ultrafiltration Holders



A Stainless Steel Holder

Process development and small-volume manufacturing with an EFA of 100cm2/200cm²/0.11m²

B Stainless Steel Holder

Accomodate an EFA of 0.46 - 2.5 m² up to 5 m² (Need to replace longer fixing screw)

Ordering Information

Part No.	Description	Package
H-MB001-L-LP	0.01m² Holder, with Three Valves and Two Gauges. Two pressure gauges, monitoring range: 0-4 bar; Three PP manual extrusion valves, suitable for 16# hose	1
H-MB011T25-LP	0.11m² Holder, with Three Valves and Two Gauges. Two pressure gauges, monitoring range: 0-6 bar; Three PP manual extrusion valves, Fujikin, Connector: TC25. Pipe Diameter: 1/2 inch. PTFE+EPDM diaphragm	1
H-MB050T25-LP	0.5m² Holder, with Three Valves and Two Gauges. Two pressure gauges. Monitoring range: 0-6 bar; Three PP manual extrusion valves, Fujikin. Connector: TC25. Pipe Diameter: 3/4 inch. PTFE+EPDM diaphragm	1
UFAK001-53	Accessory Kit for 0.01m² Ultrafiltration Cassttes Holder, including cleaning gasket x3, torque wrench x1, squeeze valve x2	1
UFAK011-54	Accessory Kit for 0.11m² Ultrafiltration Cassttes Holder, including cleaning gasket x3, torque wrench x1, clamp gasket x5, diaphragm valve diaphragm x1, clamp x5	1
UFAK050-55	Accessory Kit for 0.5m² Ultrafiltration Cassttes Holder, including cleaning gasket x3, torque wrench x1, clamp gasket x5, diaphragm valve diaphragm x1, clamp x5	1
FCG001-28	0.01m² fixture cleaning gasket, made of silicone.	1
FCG011-28	0.11m² fixture cleaning gasket, made of silicone.	1
FCG050-27	0.5m² fixture cleaning gasket, made of silicone.	1
FCP011-89	0.11m² Fixture Flush Plate (316 L)	1
FCP050-13	0.5m² Fixture Flush Plate (316 L)	1
DD011-51	0.11m² Disposable Deflectors.	1
DD011-52	0.5m² Disposable Deflectors.	1

Hollow Fiber Filters

Features

- High flow rates, high filtration loading capacity
- Modified hydrophilic PES hollow fiber membrane, low protein binding, less membrane fouling, and easy cleaning
- As a complete device without additional assembly or device holder, quick installation and operation
- Regenerated by chemical wash with 0.5M NaOH solution
- Simple and reliable linear amplified scale-up

Typical Applications

- Purification, concentration, and diafiltration of vaccines
- Purification, concentration, and diafiltration of viral vectors
- Clarification of cell and bacterial cultures in fermentation broth
- Recovery and washing of cells and microorganisms
- Concentration and diafiltration of proteins

Specifications

Module	Module, Fiber ID (mm)	Recommended Batch	Volume, Length (cm)	Filtration Area (cm²)	Number of Fibers	Feed/Retentate Connectors	Permeate Connectors
Min	0.5	< 300mL	30	28	6	Female luer lock	Female luer lock
	0.5	< 600mL	60	56	6		
Minilab	0.5	< 1L	30	118	25		
	0.5	< 2L	60	236	25		
Lab	0.5	< 2L	30	236	50	0.5"TC	3/16"HB
	0.5	< 4L	60	471	50		
Min	1.0	< 300mL	30	28	3	Female luer lock	Female luer lock
	1.0	< 600mL	60	56	3		
Minilab	1.0	< 1L	30	94	10		
	1.0	< 2L	60	188	10		
Lab	1.0	< 2L	30	170	18	0.5"TC	3/16"HB
	1.0	< 4L	60	340	18		

Ordering Information

Part No.	Description	Package
HFEMN01000530P	ID 0.5mm, Mini, PES, FA: 28cm², MWCO: 100kDa, Effective length: 30cm	1
HFEMN03000530P	ID 0.5mm, Mini, PES, FA: 28cm², MWCO: 300kDa, Effective length: 30cm	1
HFEMN05000530P	ID 0.5mm, Mini, PES, FA: 28cm², MWCO: 500kDa, Effective length: 30cm	1
HFEMN07500530P	ID 0.5mm, Mini, PES, FA: 28cm², MWCO: 750kDa, Effective length: 30cm	1
HFEMN01000560P	ID 0.5mm, Mini, PES, FA: 56cm², MWCO: 100kDa, Effective length: 60cm	1
HFEMN03000560P	ID 0.5mm, Mini, PES, FA: 56cm², MWCO: 300kDa, Effective length: 60cm	1
HFEMN05000560P	ID 0.5mm, Mini, PES, FA: 56cm², MWCO: 500kDa, Effective length: 60cm	1
HFEMN07500560P	ID 0.5mm, Mini, PES, FA: 56cm², MWCO: 750kDa, Effective length: 60cm	1

Part No.	Description	Package
HFEMI01000530P	ID 0.5mm, Minilab, PES, FA: 118cm², MWCO: 100kDa, Effective length: 30cm	1
HFEMI03000530P	ID 0.5mm, Minilab, PES, FA: 118cm², MWCO: 300kDa, Effective length: 30cm	1
HFEMI05000530P	ID 0.5mm, Minilab, PES, FA: 118cm², MWCO: 500kDa, Effective length: 30cm	1
HFEMI07500530P	ID 0.5mm, Minilab, PES, FA: 118cm², MWCO: 750kDa, Effective length: 30cm	1
HFEMI01000560P	ID 0.5mm, Minilab, PES, FA: 236cm², MWCO: 100kDa, Effective length: 60cm	1
HFEMI03000560P	ID 0.5mm, Minilab, PES, FA: 236cm², MWCO: 300kDa, Effective length: 60cm	1
HFEMI05000560P	ID 0.5mm, Minilab, PES, FA: 236cm², MWCO: 500kDa, Effective length: 60cm	1
HFEMI07500560P	ID 0.5mm, Minilab, PES, FA: 236cm², MWCO: 750kDa, Effective length: 60cm	1
HFELA01000530P	ID 0.5mm, Lab, PES, FA: 236cm², MWCO: 100kDa, Effective length: 30cm	1
HFELA03000530P	ID 0.5mm, Lab, PES, FA: 236cm², MWCO: 300kDa, Effective length: 30cm	1
HFELA05000530P	ID 0.5mm, Lab, PES, FA: 236cm², MWCO: 500kDa, Effective length: 30cm	1
HFELA07500530P	ID 0.5mm, Lab, PES, FA: 236cm², MWCO: 750kDa, Effective length: 30cm	1
HFELA01000560P	ID 0.5mm, Lab, PES, FA: 471cm², MWCO: 100kDa, Effective length: 60cm	1
HFELA03000560P	ID 0.5mm, Lab, PES, FA: 471cm², MWCO: 300kDa, Effective length: 60cm	1
HFELA05000560P	ID 0.5mm, Lab, PES, FA: 471cm², MWCO: 500kDa, Effective length: 60cm	1
HFELA07500560P	ID 0.5mm, Lab, PES, FA: 471cm², MWCO: 750kDa, Effective length: 60cm	1
HFEMN01001030P	ID 1.0mm, Mini, PES, FA: 28cm², MWCO: 100kDa, Effective length: 30cm	1
HFEMN03001030P	ID 1.0mm, Mini, PES, FA: 28cm², MWCO: 300kDa, Effective length: 30cm	1
HFEMN05001030P	ID 1.0mm, Mini, PES, FA: 28cm², MWCO: 500kDa, Effective length: 30cm	1
HFEMN07501030P	ID 1.0mm, Mini, PES, FA: 28cm², MWCO: 750kDa, Effective length: 30cm	1
HFEMN01001060P	ID 1.0mm, Mini, PES, FA: 56cm², MWCO: 100kDa, Effective length: 60cm	1
HFEMN03001060P	ID 1.0mm, Mini, PES, FA: 56cm², MWCO: 300kDa, Effective length: 60cm	1
HFEMN05001060P	ID 1.0mm, Mini, PES, FA: 56cm², MWCO: 500kDa, Effective length: 60cm	1
HFEMN07501060P	ID 1.0mm, Mini, PES, FA: 56cm², MWCO: 750kDa, Effective length: 60cm	1
HFEMI01001030P	ID 1.0mm, Minilab, PES, FA: 94cm², MWCO: 100kDa, Effective length: 30cm	1
HFEMI03001030P	ID 1.0mm, Minilab, PES, FA: 94cm², MWCO: 300kDa, Effective length: 30cm	1
HFEMI05001030P	ID 1.0mm, Minilab, PES, FA: 94cm², MWCO: 500kDa, Effective length: 30cm	1
HFEMI07501030P	ID 1.0mm, Minilab, PES, FA: 94cm², MWCO: 750kDa, Effective length: 30cm	1
HFEMI01001060P	ID 1.0mm, Minilab, PES, FA: 188cm², MWCO: 100kDa, Effective length: 60cm	1
HFEMI03001060P	ID 1.0mm, Minilab, PES, FA: 188cm², MWCO: 300kDa, Effective length: 60cm	1
HFEMI05001060P	ID 1.0mm, Minilab, PES, FA: 188cm², MWCO: 500kDa, Effective length: 60cm	1
HFEMI07501060P	ID 1.0mm, Minilab, PES, FA: 188cm², MWCO: 750kDa, Effective length: 60cm	1
HFELA01001030P	ID 1.0mm, Lab, PES, FA: 170cm², MWCO: 100kDa, Effective length: 30cm	1
HFELA03001030P	ID 1.0mm, Lab, PES, FA: 170cm², MWCO: 300kDa, Effective length: 30cm	1
HFELA05001030P	ID 1.0mm, Lab, PES, FA: 170cm², MWCO: 500kDa, Effective length: 30cm	1
HFELA07501030P	ID 1.0mm, Lab, PES, FA: 170cm², MWCO: 750kDa, Effective length: 30cm	1
HFELA01001060P	ID 1.0mm, Lab, PES, FA: 340cm², MWCO: 100kDa, Effective length: 60cm	1
HFELA03001060P	ID 1.0mm, Lab, PES, FA: 340cm², MWCO: 300kDa, Effective length: 60cm	1
HFELA05001060P	ID 1.0mm, Lab, PES, FA: 340cm², MWCO: 500kDa, Effective length: 60cm	1
HFELA07501060P	ID 1.0mm, Lab, PES, FA: 340cm², MWCO: 750kDa, Effective length: 60cm	1

Filtration Device

Vacuum Filters

Cobetter BriScale VF Vacuum Filters are the most suitable choice for sterile filtration of 200mL to 15L media or buffers. The membrane pore size is 0.1μm, 0.2/0.22μm, 0.45μm and other specifications.

Features

· Complete specifications, optional vacuum filter, filter funnel, receiver flask
· Exclusive gradient aperture double layer membrane design for greater flux and faster flow rate
· Filtration of large medium, serum, buffer and additives
· Sterile filtration of biological solutions
· Gamma sterilization, individually packaged.

Product Information

	150mL	250mL	500mL	1000mL
Membrane Material	PES, Hydrophilic PVDF			
Pore size	0.1μm，0.22μm, 0.45μm, 0.22/0.1μm, 0.45/0.22μm			
EFA	19 cm²	19 cm²	38 cm²	63 cm²
Bottle, lid	PS			
Funnel adapter, screw cap	HDPE			
Sterile	Gamma irradiation	Gamma irradiation	Gamma irradiation	Gamma irradiation
Package	24 pcs/case	24 pcs/case	9 pcs/case	9 pcs/case
Endotoxin	< 0.25EU/ml			
Biosafety	Meet USP <87>, USP <88>			

PES Vacuum Filter Ordering Information

Part No.	Volume	Material	Pore size	Filtration area	Qty/pk (pcs)
VFC150MLENP	150mL	PES	0.1μm	19 cm²	24
VFC150MLEBP	150mL	Double layer PES	0.22/0.1μm	19 cm²	24
VFC150SLFNP	150mL	PES	0.22μm	19 cm²	24
VFC150SLESP	150mL	Double layer PES	0.45/0.22μm	19 cm²	24
VFC150PAFSP	150mL	PES	0.45μm	19 cm²	24
VFC250MLENP	250mL	PES	0.1μm	19 cm²	24
VFC250MLEBP	250mL	Double layer PES	0.22/0.1μm	19 cm²	24
VFC250SLFNP	250mL	PES	0.22μm	19 cm²	24
VFC250SLESP	250mL	Double layer PES	0.45/0.22μm	19 cm²	24
VFC250PAFSP	250mL	PES	0.45μm	19 cm²	24
VFC500MLENP	500mL	PES	0.1μm	38 cm²	9
VFC500MLEBP	500mL	Double layer PES	0.22/0.1μm	38 cm²	9
VFC500SLFNP	500mL	PES	0.22μm	38 cm²	9
VFC500SLESP	500mL	Double layer PES	0.45/0.22μm	38 cm²	9
VFC500PAFSP	500mL	PES	0.45μm	38 cm²	9
VFC01LMLENP	1000mL	PES	0.1μm	63 cm²	9
VFC01LMLEBP	1000mL	Double layer PES	0.22/0.1μm	63 cm²	9
VFC01LSLFNP	1000mL	PES	0.22μm	63 cm²	9
VFC01LSLESP	1000mL	Double layer PES	0.45/0.22μm	63 cm²	9
VFC01LPAFSP	1000mL	PES	0.45μm	63 cm²	9

Hydrophilic PVDF Vacuum Filter Ordering Information

Part No.	Volume	Material	Pore size	Filtration area	Qty/pk (pcs)
VFC150SMDNP	150mL	Hydrophilic PVDF	0.22μm	19 cm²	24
VFC150SMDSP	150mL	Double Hydrophilic PVDF	0.45/0.22μm	19 cm²	24
VFC250SMDNP	250mL	Hydrophilic PVDF	0.22μm	19 cm²	24
VFC250SMDSP	250mL	Hydrophilic PVDF	0.45/0.22μm	19 cm²	24
VFC500SMDNP	500mL	Hydrophilic PVDF	0.22μm	38 cm²	9
VFC500SMDSP	500mL	Hydrophilic PVDF	0.45/0.22μm	38 cm²	9
VFC01LSMDNP	1000mL	Hydrophilic PVDF	0.22μm	63 cm²	9
VFC01LSMDSP	1000mL	Hydrophilic PVDF	0.45/0.22μm	63 cm²	9

Filter Funnel Ordering information

Part No.	Volume	Material	Pore size	Filtration area	Qty/pk (pcs)
VFF150SLFNP	150mL	PES	0.22μm	19 cm²	48
VFF250SLFNP	250mL	PES	0.22μm	19 cm²	48
VFF500SLFNP	500mL	PES	0.22μm	38 cm²	18
VFF01LSLFNP	1000mL	PES	0.22μm	63 cm²	18
VFF150SMDNP	150mL	Hydrophilic PVDF	0.22μm	19 cm²	48
VFF250SMDNP	250mL	Hydrophilic PVDF	0.22μm	19 cm²	48
VFF500SMDNP	500mL	Hydrophilic PVDF	0.22μm	38 cm²	18
VFF01LSMDNP	1000mL	Hydrophilic PVDF	0.22μm	63 cm²	18

Receiver Flask Ordering Information

Part No.	Volume	Qty/pk (pcs)
VFB1500000P	150mL receiver flask	48
VFB2500000P	250mL receiver flask	48
VFB5000000P	500mL receiver flask	18
VFB01L0000P	1000mL receiver flask	18

Aegivast® ACE Vent Filters

Features

- Natural hydrophobic PTFE membrane
- Low pressure drop
- Reliable bacteria and fine particle retention capability
- Unique product serial number tracking system
- Can be sterilized by gamma irradiation or autoclaved

Typical Applications

- Vent filter for fermenters, storage tanks
- Sterilization filtration of compressed air, O2, N2
- Venting filtration for single-use systems

Filter Material

Type	SFU13 / SFU25 / SFU33	V42 / 50A / V50D
Membrane	PTFE	PTFE
Support Layer	PTE	PTE/PP
Shell	PP	PP
Pore Size	0.2 μm	

Biosafty

Endotoxin	< 0.25EU/ml
Biocompatibility	Meet USP <87>, USP <88>

Sterilization Method

Gamma Irradiation	Sterile by gamma irradiation at 25-45 kGy
Syringe/Disc Filters	or autoclaved for 30 mins at 130 °C, 20 circles.(cannot be steam sterilized in-line)
Sterile Syringe/Disc Filters	Sterile by gamma irradiation at 25-45 kGy cannot be re-sterilization
Autoclavable Disc Filters	Can be autoclaved for 30 mins at 130 °C, 20 circles.(cannot be steam sterilized in-line)

Ordering Information

Part No.	Description	Sterilization	Package (pcs/pk)
U13CPACEBA1P	13mmSyringe Filter，0.2μm PTFE	Autoclavable	1
U13CPACEBS1P	13mm Syringe Filter，0.2μm PTFE	Sterile by Gamma Irradiation	1
U25CPACEBA1P	25mm Syringe Filter，0.2μm PTFE	Autoclavable	1
U25CPACEBS1P	25mm Syringe Filter，0.2μm PTFE	Sterile by Gamma Irradiation	1
U33CPACEBA1P	33mm Syringe Filter，0.2μm PTFE	Autoclavable	1
U33CPACEBS1P	33mm Syringe Filter, 0.2μm PTFE	Sterile by Gamma Irradiation	1
V37EEACEBA1P	V37 Disc Filter，0.2μm PTFE, inlet/outlet: 6-9mm(1/4"-3/8")Stepped HB	Autoclavable	1
V42EEACEBA1P	V42 Disc Filter，0.2μm PTFE, inlet/outlet: 6-9mm(1/4"-3/8")Stepped HB	Autoclavable	1
V5ABBACEBA1P	V50A Disc Filter，0.2μm PTFE, inlet/outlet: 6-13mm(1/4"-1/2")Stepped HB	Autoclavable	1
V5DBBACEBA1P	V50A Disc Filter，0.2μm PTFE, inlet/outlet: 6-13mm(1/4"-1/2")Stepped HB	Autoclavable	1

A50 Disc Filter

Typical Applications

· Sterile filtration of cell culture media
· Sterile filtration of terminal products
· Filtration of serum and blood products
· Mycoplasma removal

Filter Material

Filter Type	A50
Membrane	PES/PVDF
Support Layer	PP
Shell	PP
Vent O-ring	Silicone
Pore Size	0.2+0.1μm, 0.45+0.2μm
Filtration Area	A50：20cm²

Ordering Information

Part No.	Description	Connector Type	Qty/pk (pcs)
A50BBMLEBA1P	Double-layer PES, 0.2/0.1μm, without Filling Bell	Inlet/Outlet: 6-13mm (1/4"-1/2") Stepped Hose Barb	1
A50BBSLESA1P	Double-layer PES, 0.45/0.2μm, without Filling Bell	Inlet/Outlet: 6-13mm (1/4"-1/2") Stepped Hose Barb	1
A50BBPLESA1P	Double-layer PES, 0.8/0.45μm, without Filling Bell	Inlet/Outlet: 6-13mm (1/4"-1/2") Stepped Hose Barb	1
A50BBPLELA1P	Double-layer PES, 1.5/0.8μm, without Filling Bell	Inlet/Outlet: 6-13mm (1/4"-1/2") Stepped Hose Barb	1
A50BAMLEBA1P	Double-layer PESB, 0.2/0.1μm, with Filling Bell	Inlet/Outlet: 6-13mm (1/4"-1/2") Stepped Hose Barb	1
A50BASLESA1P	Double-layer PES, 0.45/0.2μm, with Filling Bell	Inlet/Outlet: 6-13mm (1/4"-1/2") Stepped Hose Barb	1
A50BAPLESA1P	Double-layer PES, 0.8/0.45μm, with Filling Bell	Inlet/Outlet: 6-13mm (1/4"-1/2") Stepped Hose Barb	1
A50BAPLELA1P	Double-layer PES, 1.5/0.8μm, with Filling Bell	Inlet/Outlet: 6-13mm (1/4"-1/2") Stepped Hose Barb	1

Bricap™ C01 Capsule Filters

Typical Applications

- Sterile filtration of cell culture media
- Buffer filtration
- Sterile filtration of terminal products
- Filtration of serum and blood products
- Colloid or viscous liquid filtration

Technical Specifications

Filter type		**Bricap C01**
Membrane		PES, PVDF
Pore size		0.45+0.2μm
Material	Core/Housing/End caps	PP
	Capsule Shell	PP
	Capsule vent O-ring	Silicone
Inlet/Outlet connections		6-13mm(1/4"-1/2") stepped hose barb; 19mm (3/4")Sanitary Flange; 13mm(1/2")hose barb
Vent/Drain		1/4 hose barb with double O-ring seal
Filtration area		180/420cm²
Biosafty		Endotoxin: <0.25 EU/ml Meet USP<87>, USP<88>
Sterility		Autoclavable

Ordering Information

Part No.	Material	Pore size	Filtration area	Connection type	Qty/pk (pcs)
C01BBSAFSA1P	High Throughput Double Layer PES	0.45+0.2μm	180 cm²	Inlet/Outlet: 6-13mm(1/4"-1/2")stepped hose barb	1
C01BBSMDSA1P	Low Adsorption Hydrophilic PVDF	0.45+0.2μm	180 cm²	Inlet/Outlet: 6-13mm(1/4"-1/2")stepped hose barb	1
C01TTSMDSA1P	Low Adsorption Hydrophilic PVDF	0.45+0.2μm	180 cm²	Inlet/Outlet: 19mm(3/4")Sanitary Flange	1
C01HHSMDSA1P	Low Adsorption Hydrophilic PVDF	0.45+0.2μm	180 cm²	Inlet/Outlet: 13mm(1/2")hose barb	1
C02BBSAFSA1P	High Throughput Double Layer PES	0.45+0.2μm	420 cm²	Inlet/Outlet: 6-13mm(1/4"-1/2")stepped hose barb	1
C02BBSMDSA1P	Low Adsorption Hydrophilic PVDF	0.45+0.2μm	420 cm²	Inlet/Outlet: 6-13mm(1/4"-1/2")stepped hose barb	1

LUPW Capsule Filters

Typical Applications

· For lab water purification system

Technical Specifications

Membrane		PES
Pore size		0.1, 0.2μm
Shell		PP
Inlet/Outlet connection	LUPW / LUPWII	Inlet: 1/4"NPT ; Outlet: 6-13mm (1/4"-1/2") stepped HB with filling shell
	LUPWG	Inlet: 1/4"G ; Outlet: 6-13mm (1/4"-1/2") stepped HB with filling shell
	LUPWH	Inlet: 6-13mm (1/4"-1/2") stepped HB; Outlet: 6-13mm (1/4"-1/2") stepped HB with filling shell
Biosafety		Meet USP<87>, USP<88>

Ordering Information

Part No.	Membrane	Filtration area	Qty/pk (pcs)
LUPW-PES0020P	PES, 0.2μm	150 cm²	1
LUPWII-PES0020P	PES, 0.2μm	310 cm²	1
LUPWG-PES0022P	PES, 0.2μm	150 cm²	1
LUPWH-PES0022P	PES, 0.2μm	150 cm²	1

Groundwater Sampling Capsule Filters

Specifications

Membrane Material	PES
Pore Size	0.45μm
Filtration Area	500cm² , 900cm²
Inlet/Outlet	GWQ: Inlet 1/8" NPT+1/2" Hose Barb; Outlet: 1/8" NPT
	GWQ-500: Inlet 1/8" NPT+1/2" Hose Barb; Outlet: 1/8" NPT

Ordering Information

Part No.	Description	Filtration Area	Qty/pk (pcs)
GWQ-SPSSM0045	PES, 0.45μm	900 cm²	1
GWQ-500SPSSM0045	PES, 0.45μm	500 cm²	1

Microbiology Testing

In the pharmaceutical and biotechnology industries, microbiological analysis is critical in drug development and quality control. Cobetter offers a complete range of sterile packaging microbiological testing filters, cups, and holders. It can greatly improve your productivity and the safety of critical processes.

Sterile Gridded Membrane Filter

Gridded MCE Membrane Filter, Sterile Packaged

Features

- High microbial recovery
- High flow rate
- Quality certification report
- Sterilization by Gamma irradiation

Typical Applications

- Beverages (beer, wine, soft drinks, bottled water)
- Pharmaceutical analysis (WFI, purified water, microbial limit testing and bionloading of non-sterile pharmaceutical)
- Water environment testing (water monitoring)
- Cosmetics

Ordering Information

Part No.	Membrane	Diameter	Pore Size	Package	Qty/pk(pcs)
MBWGM-2247S	MCE, white with black grid	47mm	0.22μm	Individually packed	100
MBWGM-4547S	MCE, white with black grid	47mm	0.45μm	Individually packed	100
MBWGM-2250S	MCE, white with black grid	50mm	0.22μm	Individually packed	100
MBWGM-4550S	MCE, white with black grid	50mm	0.45μm	Individually packed	100
MBMCE-2247S	MCE, white membrane	47mm	0.22μm	Individually packed	100
MBMCE-4547S	MCE, white membrane	47mm	0.45μm	Individually packed	100
MBMCE-2250S	MCE, white membrane	50mm	0.22μm	Individually packed	100
MBMCE-4550S	MCE, white membrane	50mm	0.45μm	Individually packed	100
MBWGM-2247	MCE, white with black grid	47mm	0.22μm	Non-sterile	100
MBWGM-4547	MCE, white with black grid	47mm	0.45μm	Non-sterile	100
MBWGM-2250	MCE, white with black grid	50mm	0.22μm	Non-sterile	100
MBWGM-4550	MCE, white with black grid	50mm	0.45μm	Non-sterile	100
MBLGM-2247S	MCE, black with white grid	47mm	0.22μm	Individually packed	100
MBLGM-4547S	MCE, black with white grid	47mm	0.45μm	Individually packed	100

Membrane Dispenser

Cobetter Membrane Dispenser can automatically remove the membrane by automatic infrared sensing or the touch of a button, avoiding the risk of contamination during the filter removal process. The membrane dispenser has a compact structure, small space, smooth appearance, and easy to clean.

Ordering Information

Part No.	Description	Package
MD01AU	Membrane Dispenser	1

All-in-on Filters Filtration Units

Cobetter Microbial All-in-on Filters Filtration Units integrate 47mm, 0.45μm grid membrane and plastic filter funnel, which is economical, convenient and easy to operate.

Material PP

Features

- Scale is clearly marked, convenient for accurate sample quantity
- Sterile packaged, safe and reliable
- Ready to use
- Effectively reduce the risk of secondary pollution

Ordering Information

Part No.	Description	Membrane	Qty/pk (pcs)
A47V-GMC0022100	Ready-to-use filters, 100mL	MCE, white with black grid，47mm, 0.22μm	5
A47V-GMC0045100	Ready-to-use filters, 100mL	MCE, white with black grid，47mm, 0.45μm	5
A47V-GMC0022250	Ready-to-use filters, 250mL	MCE, white with black grid，47mm, 0.22μm	5
A47V-GMC0045250	Ready-to-use filters, 250mL	MCE, white with black grid，47mm, 0.45μm	5

Filter Funnels

Cobetter Filter Funnels can be repeatedly sterilized for daily microbial testing in the fields of biopharmaceuticals, food and beverage, and environmental monitoring.

Ordering Information

Part No.	Description	Qty/pk (pcs)
A47U-100	Sterile packaged funnels, 100mL	10
A47U-250	Sterile packaged funnels, 100mL	10

S58 Microbiology Filter Unit

The filter membrane and petri dish are integrated, the filter funnel can be removed directly after the sample is filtered, and the base can be converted into a petri dish, and the medium is added for culture. Every filter unit is individually packaged and ready for use. It is easy to operate and minimizes the risk of secondary contamination.

Materials Funnel/Base PP
Cap PETG

Ordering Information

Part No.	Description	Membrane	Qty/pk (pcs)
S58-WGMCE0045P	Filter funnels sterile,100mL,white /black grid	MCE	1
S58-PVDF0045P	Filter funnels sterile,100mL,white /black grid	PVDF	1

SS Manifold

Cobetter Stainless Steel Manifold is made of high-quality stainless steel and in a single material that ensures a long working life in the laboratory.

Specifications

	3 Branches	5 Branches
Material	Stainless Steel 316L	Stainless Steel 316L
Dimensions(L x H x W)	474 x 120 x 98 mm	924 x 120 x 98 mm
Weight	0.725 kg	1.400 kg
Sterilization	Autoclave 121°C, 30 min	Autoclave 121°C, 30 min

Ordering Information

Part No.	Description	Package
M301SS	3 branch manifold suitable for A47V, A47U consumables, interconnect	1

Lifecube™ SSB PETG Singe-Use Bottles

Cobetter Lifecube™ SSB PETG single-use bottles meet the needs of liquid storage, transfer, sampling, package, and freezing in most bioprocess. The bottles are equipped with a high-strength threaded design to avoid the risk of leakage during transfer and storage.

Features

- Precise scale by blow molding technology
- Various cap sizes available
- ADCF raw materials
- Good chemical compatibility
- Excellent impact resistance
- Complete validation documents
- Particles matter far below USP <788> standards
- Customized service

Typical Applications

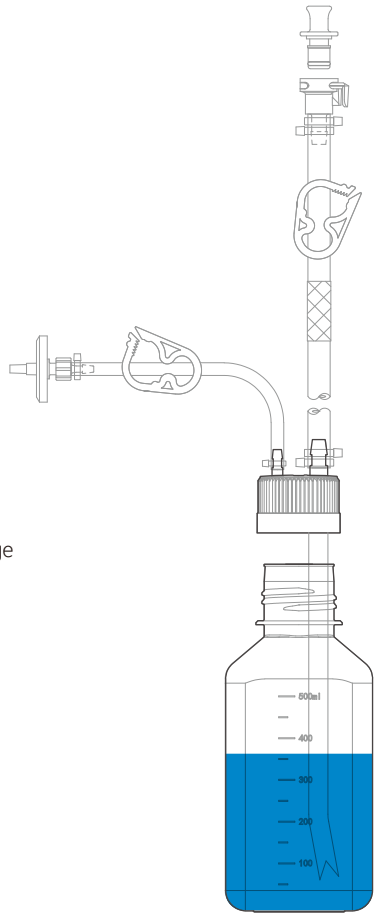
- Sterile liquid storage or transfer
- Cell culture medium harvesting
- Sterile sampling
- Closed liquid import

Regulatory Compliance

Particulate Matter	Particulate matter in injections meet the requirements in USP <788> for large volume parenterals.
Bacterial Endotoxin	Endotoxin limit of WFI System< 0.25 EU/mL with the Limulus Amebocyte Lysate (LAL), USP <85>
USP<87> Cytotoxicity	Meet the requirement of current USP <87> Class VI, Biological Reactivity Test, In Vitro.
USP<88> Biological Reactivity	Meet the criteria of current USP <88> Class VI, Biological Reactivity Test, In Vivo.
Indirect Food Additive	Complies with FDA 21 CFR Part 177-182 (Indirect food additives)
Animal Derivative Content	Products do not contain animal derived components and are free from TSE risk.
Quality Assurance	Products are manufactured in a facility which adheres to ISO 9001:2015 Quality management systems.
Extractables Studies	Products follow BPOG and USP <665> guidelines for E&L studies.

Specifications

Product	PETG Singe-use Bottles
Material	Bottle material：PETG Sealing cap：HDPE Cap with 2 ports：PP
Volume	125 mL, 250 mL, 500 mL, 1 L
Cap Diameter	38 mm
Cap with 2 ports Specification	Outer ports: 1/4"-1/8"HB; Inner port: 1/8"
Bottle Dimensions Length × Width × Height (mm)	125 mL：52.0 × 52.0 × 104.0 250 mL：58.0 × 58.0 × 141.0 500 mL：73.0 × 73.0 × 171.5 1 L：93.0 × 93.0 × 213.5
Temperature Range	-40 to 60 ℃
Sterilization	Can be gamma irradiated at 25-45 kGy in sterile package
Features	High transparency High mechanical strength UV resistance Good gas barrier properties
Applications	Culture media, buffer storage and transfer Serum storage and transfer Sterile transfer Sterile sampling



Product Configuration

Bottle Volume	125 mL to 1 L
Tubing	Lifemeta™ STT Pt-cured Silicone Tubing Lifemeta™ STF TPE Tubing Pharma-50 Pt-cured Silicone Tubing C-Flex® 374 TPE Tubing
Cap Model	Sealing Cap, Cap with 2 Ports
Connector	Lifemeta™ EC Easy Connector TC25/TC50 Tubing Plug CPC AseptiQuik® Sterile Connector
Vent Filter	Bricap™ SFU33
Sampling	Needlefree Swabable Valve Sampling Plug

Single-Use Bottles + Sealing Cap

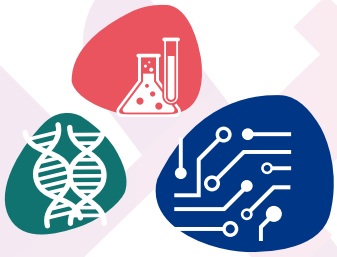
Sterile Part No.*	Non-Sterile Part No.	Volume	Material	Package** (pcs/pk)
SSBG1251N	SSBG1251NN01	125 mL	Bottle：PETG Cap：HDPE	10
SSBG2501N	SSBG2501NN01	250 mL		
SSBG5001N	SSBG5001NN01	500 mL		
SSBG01L1N	SSBG01L1NN01	1 L		

* The sterile version defaults to gamma irradiation for sterilization.
** The default packaging method is the individual double-layer package.

Single-Use Bottles+Cap with 2 Ports

Sterile Part No.	Non-sterile Part No.	Volume	Material	Package(pcs/pk)	Cap Configuration
SSBG12512B01	SSBG12512B02	125 mL	Bottle：PETG Cap：PP	10	No tubing
SSBG25012B01	SSBG25012B02	250 mL			
SSBG50012B01	SSBG50012B02	500 mL			
SSBG01L12B01	SSBG01L12B02	1 L			
SSBG12512A01	SSBG12512A02	125 mL		1	Outer Tubing 1: 20 cm ID1/4"*OD7/16" Lifemeta™ STT Pt-cured Silicone Tubing* + Metallic Sleeve + ECS Female Connector** Outer Tubing 2: 10 cm ID1/8"*OD1/4" Lifemeta™ STT Pt-cured Silicone Tubing + Vent Filter Inner Tubing: ID1/8"*OD1/4" Lifemeta™ STT Pt-cured Silicone Tubing
SSBG25012A01	SSBG25012A02	250 mL			
SSBG50012A01	SSBG50012A02	500 mL			
SSBG01L12A01	SSBG01L12A02	1 L			
SSBG12512A03	SSBG12512A04	125 mL		1	Outer Tubing 1: 40 cm ID1/4"*OD7/16" Lifemeta™ STF TPE Tubing*** + Tubing Plug** Outer Tubing 2: 10 cm ID1/8"*OD1/4" Lifemeta™ STT Pt-cured Silicone Tubing+ Vent Filter Inner Tubing: ID1/8"*OD1/4" Lifemeta™ STT Pt-cured Silicone Tubing
SSBG25012A03	SSBG25012A04	250 mL			
SSBG50012A03	SSBG50012A04	500 mL			
SSBG01L12A03	SSBG01L12A04	1 L			

* Other brands or lengths of silicone tubing can be selected.
** You can choose sterile connectors, easy connectors, tubing plugs, female luer locks, or other connectors.
*** Other brands or lengths of TPE tubing can be selected.



Filtration
Separation
Purification

cobetter®
filtration

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