PRODUCTS FOR LAB FILTRATION

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ZHEJIANG ZHONG ZAI MEDICAL TECHNOLOGY CO.,LTD

Disc Membrane

Features

- Disc Membrane is one kind of physical filtration process where a contaminated fluid is passed through a special pore size membrane to separate micro-organisms and suspended particles from process liquid or gas;
- The typical pore size used for micro-filtration ranges from about 0.1 to 10um;
- Membrane Solutions offers full membrane filter for various solvents or liquid or gas, including PES , MCE, Nylon, PVDF , PTFE , PP , CA, Nylon Mesh;
- Most membranes can be sterilized if needed.

Aperture (μm)	Volume (mL)	Diameter (mm)	Material, package and the catalog(set)		Material, package and the catalog(upper cup+connector)	
			12 sets/case		24 sets/case	
			PES	Nylon	PES	Nylon
0.1	250	50	VF061050-T0250		VF061050-S0250	
	500	90	VF061090-T0500		VF061090-S0500	
	1000	90	VF061090-T1000		VF061090-S1000	
0.2	250	50	VF062050-T0250	VF032050-T0250	VF062050-S0250	VF032050-S0250
	500	90	VF062090-T0500	VF032090-T0500	VF062090-S0500	VF032090-S0500
	1000	90	VF062090-T1000	VF032090-T1000	VF062090-S1000	VF032090-S1000
0.45	250	50	VF064550-T0250	VF034550-T0250	VF064550-S0250	VF034550-S0250
	500	90	VF064590-T0500	VF034590-T0500	VF064590-S0500	VF034590-S0500
	1000	90	VF064590-T1000	VF034590-T1000	VF064590-S1000	VF034590-S1000

Plastic Vacuum Filter

Features

- Stable receiving bottle, low center of gravity to avoid splash;
- Large knurls on the reservoir bottle cap for easy screw;
- The concave on the body of the receiving bottles makes it easy to grab which also simplify tightening/loosening and adjustments;
- Designed wide and easy access bottle mouth for efficiently and stably pouring out;
- Engraved graduation on the funnel ensure accuracy;
- Design hose connector can fit various hose diameters;
- Packaged in easy peel-to-open plastic bag, and receiver bottle cap is individually wrapped.

Aperture (μm)	Volume (mL)	Diameter (mm)	Material, package and the catalog(set)		Material, package and the catalog(upper cup+connector)	
			12 sets/case		24 sets/case	
			PES	Nylon	PES	Nylon
0.1	250	50	VF061050-T0250		VF061050-S0250	
	500	90	VF061090-T0500		VF061090-S0500	
	1000	90	VF061090-T1000		VF061090-S1000	
0.2	250	50	VF062050-T0250	VF032050-T0250	VF062050-S0250	VF032050-S0250
	500	90	VF062090-T0500	VF032090-T0500	VF062090-S0500	VF032090-S0500
	1000	90	VF062090-T1000	VF032090-T1000	VF062090-S1000	VF032090-S1000
0.45	250	50	VF064550-T0250	VF034550-T0250	VF064550-S0250	VF034550-S0250
	500	90	VF064590-T0500	VF034590-T0500	VF064590-S0500	VF034590-S0500
	1000	90	VF064590-T1000	VF034590-T1000	VF064590-S1000	VF034590-S1000

	Volume	Package	Catalog
Filter Reciever	250	24 sets/case	VF-X0250
	500	25 sets/case	VF-X0500
	1000	26 sets/case	VF-X1000

Application

- Ideal for filtration of tissue culture media, biological fluids, fixation buffers etc;
- Cell culture media and other aqueous solutions;
- Sterile filtration of solutions which can't be autoclaved; After filtration, samples go directly to sterile receiving bottles
- that can be stored afterwards.

Syringe Filter

Features

- Application compatibility: Broad range of filtration media meets diverse application needs;
- Minimum sample hold-up: Syringe filter's housings are specifically designed to maximize sample recovery;
- Convenience: Each unit is clearly marked with an identifying code to denote pore size, membrane material;
- Sterility: Filters can be purchased pre-sterilized by Gamma radiation and individually packaged.

Aperture (μm)	Diameter (mm)	Material, package and the catalog			
		100 pcs/box,10 boxes/case			
		PES, Hydrophilic	Nylon, Hydrophilic	PVDF, Hydrophilic	PES+GF, Hydrophilic
0.1	13	NF061013Q			
	25	NF061025Q			
	33	NF061033Q			
0.22	13	NF062213Q	NF032213Q	NF052213Q	
	25	NF062225Q	NF032225Q	NF052225Q	
	33	NF062233Q	NF032233Q	NF052233Q	NF092233Q
0.45	13	NF064513Q	NF034513Q	NF054513Q	
	25	NF064525Q	NF034525Q	NF054525Q	
	33	NF064533Q	NF034533Q	NF054533Q	

Ultrafiltration Centrifuge Tube

Features

- Low biological binding and high chemical compatibility;
- Special design to prevent drying, which can avoid damage to thesamples due to excessivecentrifugation;
- Optional pore sizes for various MWCO requirements;
- Effective filtration area up to 7.2cm², larger area allows higher flowrate;
- 100% pass integrity testing.

Description	Tube(ml)/ Swing-bucket Rotor(ml)	Package	Catalog
5kd	50/15	12 pcs/box	UT0650005
10kd	50/15	12 pcs/box	UT0650010
30kd	50/15	12 pcs/box	UT0650030
50kd	50/15	12 pcs/box	UT0650050
100kd	50/15	12 pcs/box	UT0650100
0.1μm	50/15	12 pcs/box	UM0650010
0.22μm	50/15	12 pcs/box	UM0650022
0.45μm	50/15	12 pcs/box	UM0650045

Cell Strainer

Features

- Three pore sizes available:40, 70 or 100 µm for various applications;
- Evenly-spaced nylon mesh pores ensure accuracy and consistency of experiments;
- Different color housing identify different pore sizes;
- Compatible with 50 ml centrifuge tubes;
- Extended handle easier to use with tweezers, avoid cross-contamination.

Catalogue	Name	Package	pcs/ctn	Materials	Description	Unit
CS300040	40 µm cell strainer	1 pcs/bag,50 pcs/case	50	Nylon	40 µm	Case
CS200070	70 µm cell strainer	1 pcs/bag,50 pcs/case	50	Nylon	70 µm	Case
CS160100	100 µm cell strainer	1 pcs/bag,50 pcs/case	50	Nylon	100 µm	Case

SELECTING MEMBRANES FOR YOUR APPLICATIONS

Applications	Sample type	pH	Recommend Products
Wide range	Gas		PTFE(Hydrophobic),PP
Chemistry lab	Aqueous solution	pH 1-14	PES
		pH 2-13	Nylon,PES
		pH 4-10	PES,MCE
	Organic solvent		Nylon,PTFE(Hydrophobic),
	Strong acid, strong base, strong polarity, strong corrosive solution		PTFE(Hydrophobic/Hydrophilic)
Biological lab	Cell culture medium		PES,MCE,CA,PVDF(Hydrophilic)
	Biological solutions, proteins, peptides	pH 1-12	PES(Low protein adsorption),
			PES,CA
Environmental lab	Bacterial filtration test of surface water and bottled water	pH 4-10	MCE,CN,CA
General lab	Various liquid samples are pre-filtered		Glass Fibre,PP

Aperture（µm）	Applications
0.1	Filter and remove mycoplasma and chlamydia from biological samples.
0.22	Filter and remove very fine particles in the sample and mobile phase; It can meet the requirements of GMP or pharmacopoeia to eliminate bacteria 99.99%.
0.45	Filter and remove most microorganisms with special structures (capsular, flagella, fimbriae) in conventional samples and mobile phase; Can meet the general chromatographic requirements.
1-5	Filter and remove impurities from larger particles, or for pre-treatment of cloudy solutions that are difficult to handle.

Zhejiang Zhong Zai Medical Technology Co.,Ltd
Email : sales@zjzzyl.com
Web : http://en.biozhongzai.com/