Sterifil™ Syringe Filter

Sterifil™ syringe filters, are purpose-built with feature designed to bring the highest levels of performance and purity to your research. Each filter is individually packed and sterilized by gamma Radiation. We incorporate a variety of membranes to offer separation and purification solutions for the majority of your laboratory needs. The membranes range from Nylon, CA, MCE, PES, PTFE, PVDF to PP, which are supplied in 13mm, 25mm, 30/33mm no virgin medical PP housings.

How to select your sample preparation device?

Step 1: Choose the suitable membrane filtration medium Characteristics of samples

Solutions	Recommended
Solvent Mixtures	Nylon, Hydrophilic PTFE,
Tissue culture Media, Buffers, Protein Analysis/ Biological Samples	CA, PES, MCE, Hydrophilic PVDF
High Particulate Loads	PP,GF, Filter with pre-filter
Aggressive or Pure Organic Solvents	Hydrophobic PTFE, PVDF

Step2: choose the suitable diameter

Volume of samples	Recommend
<10ml	13mm
<100ml	25mm
<200ml	30/33mm

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Step 3: Choose the suitable pore size based on the nature of your sample

- Removal of high particulate matter with a pre filter is critical before any drug, toxic, or dirty environmental sample is filtered to ensure the highest syringe filter membrane performance.
- Generally, 0.45 μm porosity filters are used to remove particulates from samples and mobile phase solutions. For Sterile-filtration, a 0.20 μm porosity filter can be used.

Specification

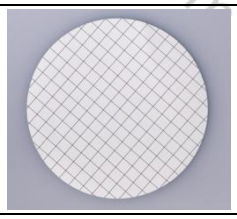
Parameters	13mm		25mm		33/30mm	
Filtration area (cm2)	0.92		3.9		5.39	
Normal Pore Size(μm)	0.22	0.45	0.22	0.45	0.22	0.45
Holdup volume (μl)	<10		<100		<100	
Sample volume (ml)	<10		<120		<200	
Inlet/Outlet	Female luer lock/Male luer slip					
Maximum Operating Temperature	50°C		50°C		50°C	
Maximum Operating Pressure (psi)	>87		>87		>87	
Sterilization	Gamma Radiation					
Radicalization Computation	4K (Dmin)					
Testing Method	GB15979-1995					
period of validity	3years					

Test Result

Target before Irradiation	Testing Result	Target after Irradiation	Testing Result
Total Plate Count	>5000 cfu/g	Total Plate Count	<10 cfu/g
Ecoli	Growth	Ecoli	No growth
Mildew	Growth	Mildew	No growth
Staphylococcus aureus	Growth	Staphylococcus	No growth
Salmonella	Growth	Salmonella	No growth

Comments: Bacterial attack is not apparent in the form of visible growth on the specimen surface, all the steriled syringe filter are certified of pyrogen free.

Related Products:

			
Microbiology Membrane Ftiler	Absorbent Pad	Petri Dish	Vacuum Filtration Apparatus

Order Information

13mm syringe filters

Part No.	Membrane	Pore Size (μm)	Diameter (mm)	Packing (pcs/pk)
S13PTL022S	Hydrophobic PTFE	0.22	13	100
S13PTL045S		0.45	13	100
S13PTB022S	Hydrophobic PTFE	0.22	13	100
S13PTB045S		0.45	13	100
S13PES022S	PES	0.22	13	100
S13PES045S		0.45	13	100
S13PVL022S	Hydrophilic PVDF	0.22	13	100
S13PVL045S		0.45	13	100
S13PVB022S	Hydrophobic PVDF	0.22	13	100
S13PVB045S		0.45	13	100
S13CA022S	CA	0.22	13	100
S13CA045S		0.45	13	100
S13MCE022S	MCE	0.22	13	100
S13MCE045S		0.45	13	100
S13NY022S	Nylon	0.22	13	100
S13NY045S		0.45	13	100
S13RC022S	RC	0.22	13	100
S13RC045S		0.45	13	100

25mm syringe filters

Part No.	Membrane	Pore Size (μm)	Diameter (mm)	Packing (pcs/pk)
S25PTL022S	Hydrophobic PTFE	0.22	25	50
S25PTL045S		0.45	25	50
S25PTB022S	Hydrophobic	0.22	25	50

S25PTB045S	PTFE	0.45	25	50
S25PES022S	PES	0.22	25	50
S25PES045S		0.45	25	50
S25PVL022S	Hydrophilic PVDF	0.22	25	50
S25PVL045S		0.45	25	50
S25PVB022S	Hydrophobic PVDF	0.22	25	50
S25PVB045S		0.45	25	50
S25CA022S	CA	0.22	25	50
S25CA045S		0.45	25	50
S25MCE022S	MCE	0.22	25	50
S25MCE045S		0.45	25	50
S25NY022S	Nylon	0.22	25	50
S25NY045S		0.45	25	50
S25RC022S	RC	0.22	25	50
S25RC045S		0.45	25	50

33mm Syringe Filter

Part No.	Membrane	Pore Size (μm)	Diameter (mm)	Packing (pcs/pk)
S33PTL022S	Hydrophobic PTFE	0.22	33	50
S33PTL045S		0.45	33	50
S33PTB022S	Hydrophobic PTFE	0.22	33	50
S33PTB045S		0.45	33	50
S33PES022S	PES	0.22	33	50
S33PES045S		0.45	33	50
S33PVL022S	Hydrophilic PVDF	0.22	33	50
S33PVL045S		0.45	33	50
S33PVB022S	Hydrophobic PVDF	0.22	33	50
S33PVB045S		0.45	33	50
S33CA022S	CA	0.22	33	50
S33CA045S		0.45	33	50
S33MCE022S	MCE	0.22	33	50
S33MCE045S		0.45	33	50
S33NY022S	Nylon	0.22	33	50
S33NY045S		0.45	33	50
S33RC022S	RC	0.22	33	50
S33RC045S		0.45	33	50

General Questions, Please contact info@microlabscientific.com
Technique Questions, Please contact Jack@microlabscientific.com