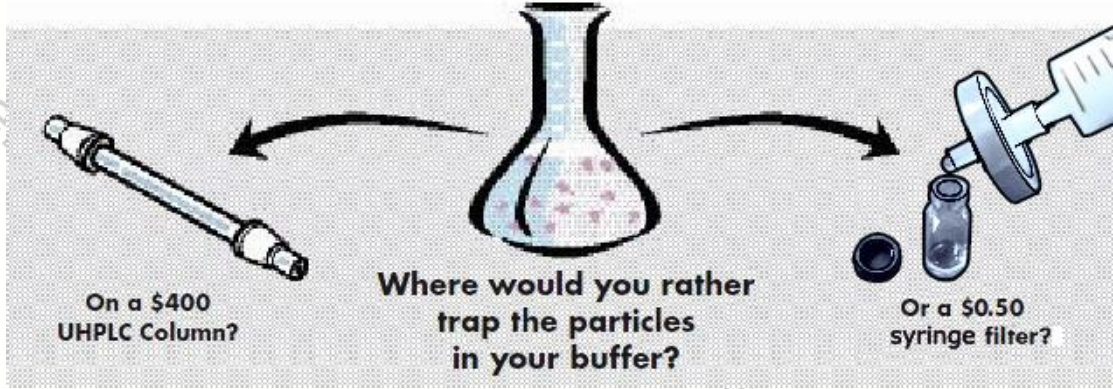


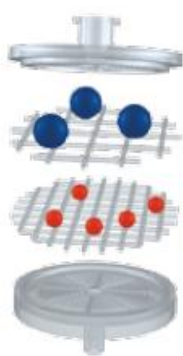


BioFil™ Syringe Filter

Why To use a syringe filter?



Why choose Biofil™ Syringe Filter



Futures

1. HPLC certification which guarantees the filters will not produce extraneous peaks in the UV range.
2. 100% integrity tested with higher burst strength ratings assuring they will perform consistently.
3. Suitable for solutions with a high load of particulate matter.
4. Larger handling capacity.
5. Long Life Time.



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





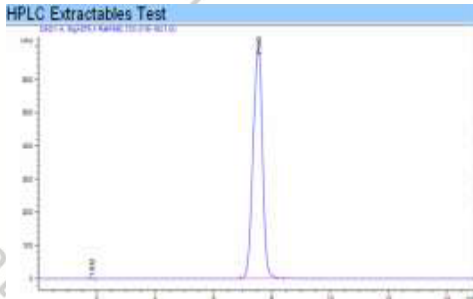
Microlab Scientific Co., Ltd

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.



Bioyfil™ syringe filters design with a layer of prefilter. Ideal for filtering the solutions with a high load of particulate matter. All the Syringe filters are well packed, with competitive price filters. The membranes range from Nylon, CA, MCE, PES, PTFE, PVDF to PP, which are supplied in 13mm and 25mm no virgin medical PP housings.

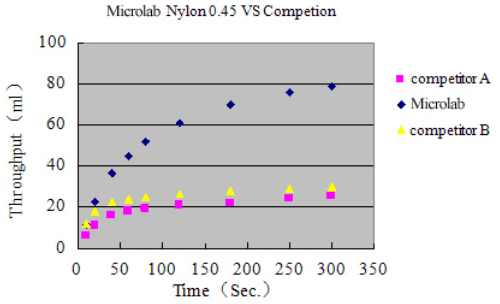
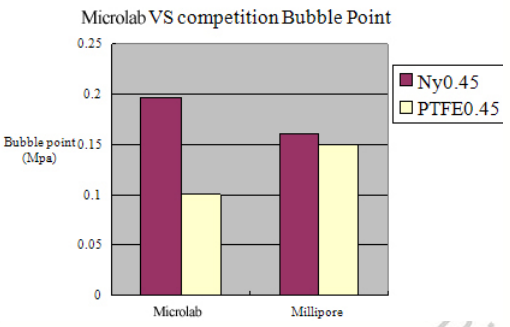


Test Method:

Agilent Technologies 1200, Column: C18 UV = 254 nm Mob.phase:MeOH/H2O:20:80, Temperature: 25 °C, Flow rate:0.8ml/min, sample:2mg/ml Bergenin(in Methanol)

Specification

Parameters	13mm		25mm	
Filtration area (cm ²)	0.92		3.9	
Normal Pore Size(µm)	0.22	0.45	0.22	0.45
Holdup volume (µl)	<10		<100	
Sample volume (ml)	<10		<120	
Inlet/Outlet	Female luer lock/Male luer slip			
Maximum Operating Temperature	50°C		50°C	
Maximum Operating Pressure (psi)	>87		>87	





Order Information

13mm syringe filters

Part No.	Membrane	Pore Size(μm)	Diameter (mm)	Packing (pcs/pk)
S13NY022B	Nylon	0.22	13	100
S13NY045B		0.45	13	100
S13PTB022B	Hydrophobic PTFE	0.22	13	100
S13PTB045B		0.45	13	100
S13PTL022B	Hydrophilic PTFE	0.22	13	100
S13PTL045B		0.45	13	100
S13PES022B	PES	0.22	13	100
S13PES045B		0.45	13	100
S13PVB022B	PVDF	0.22	13	100
S13PVB045B		0.45	13	100
S13CA022B	CA	0.22	13	100
S13CA045B		0.45	13	100
S13MCE022B	MCE	0.22	13	100
S13MCE045B		0.45	13	100
S13PP022B	PP	0.22	13	100
S13PP045B		0.45	13	100

25mm Syringe Filters

Part No.	Membrane	Pore Size(μm)	Diameter (mm)	Packing (pcs/pk)
S25NY022B	Nylon	0.22	25	100
S25NY045B		0.45	25	100
S25PTB022B	Hydrophobic PTFE	0.22	25	100
S25PTB045B		0.45	25	100
S25PTL022B	Hydrophilic PTFE	0.22	25	100
S25PTL045B		0.45	25	100
S25PES022B	PES	0.22	25	100
S25PES045B		0.45	25	100
S25PVB022B	PVDF	0.22	25	100
S25PVB045B		0.45	25	100
S25CA022B	CA	0.22	25	100
S25CA045B		0.45	25	100
S25MCE022B	MCE	0.22	25	100
S25MCE045B		0.45	25	100
S25PP022B	PP	0.22	25	100
S25PP045B		0.45	25	100

