

Microfil™ 4mm Syringe Filter

Microfil™ 4mm Syringe filters are manufactured to built with features designed to bring the high level performance and purity to research. It is suitable for the sample volume less than 1 mL. We incorporate a variety of membranes including Nylon,Hydrophobic PTFE, Hydrophilic PTFE,PES....to offer separation and purification solutions for the majority laboratory filtration applications



Application

- HPLC samples containing low solid content – filtration will improve column life
- CE (Capillary Electrophoresis) samples – filtration will eliminate spurious peaks
- Sterile filtration of low volume samples
- UV/Vis samples – filter directly into cuvette using tube tip
- Refractometry filter samples to prevent damage to instrument optics and improve accuracy
- Minimizing non-specific binding to membrane due to small membrane size

Features

- 4 mm diameter syringe filter
- Sample volume up to 1 mL
- Low hold-up volume < 10 µL ensures maximum sample recovery

Technical Parameter

Membrane	Nylon	PTFE	PES	CA	MCE
Pore size(μm)	0.22, 0.45				
Diameter (mm)	4				
Housing Material	Pigment-free Polypropylene				
Connector (inlet/outlet)	Female Luer Lock/Male Luer Slip				
Burst Pressure (psi)	75				
Retain Volume (μL)	10				
Sample Volume (mL)	1.0				

Order Information

Catalogue No.	Membrane	Pore size(μm)	Package
SF4-022NY	Nylon	0.22	200
SF4-045NY	Nylon	0.45	200
SF4-022PTFEB	Hydrophobic PTFE	0.22	200
SF4-045PTFEB	Hydrophobic PTFE	0.45	200
SF4-022PTFEL	Hydrophilic PTFE	0.22	200
SF4-045PTFEL	Hydrophilic PTFE	0.45	200
SF4-022PES	PES	0.22	200
SF4-045PES	PES	0.45	200
SF4-022CA	CA	0.22	200
SF4-045CA	CA	0.45	200
SF4-022MCE	MCE	0.22	200
SF4-045MCE	MCE	0.45	200