

Syringe Filters – Sartorius Minisart® Selection Guide:
How to Choose the Optimal Housing and Membrane Material for Your Application.

Innovative design features, coupled with the largest surface areas and fastest flow rates make Minisart® syringe filters the ideal choice for all your syringe filtration needs.

- Biggest effective filtration area (EFA)
 - Lowest adsorption
 - Low hold-up volume
- Minimum extractable
 - Gamma/EO sterilized
 - High throughput and particulate free
- For sterile filtration, analytical sample preparation, and clarification of media additives, buffers, chemical reagents, drugs and even gases!

1. Sample Composition

Aqueous		Aqueous Solvents		
Hydrophilic		Hydrophilic		Hydrophobic
For Use With:				
<ul style="list-style-type: none">▪ Buffers▪ Protein analysis	<ul style="list-style-type: none">▪ Tissue culture media	<ul style="list-style-type: none">▪ Aqueous solvents mixtures solvents	<ul style="list-style-type: none">▪ Solvents mixtures solvents	<ul style="list-style-type: none">▪ Solvents gases acids bases
Recommended Filter Material:				
SFCA	PES	RC	NY	PTFE
Surfactant-free cellulose acetate	Polyestersulfone	Regenerated cellulose	Polyamide, nylon	Polytetrafluoroethylene



2. Pore Sizes

Sterilization		Sample preparation / clarification / particle removal					Prefiltration
For Use With:							
<ul style="list-style-type: none">▪ Small bacteria▪ Mycoplasma▪ Colloids >0.1	<ul style="list-style-type: none">▪ 0.2 μm — UHPLC, etc. (Columns < 3 μm particles) bacteria	<ul style="list-style-type: none">▪ HPLC, etc. (Columns >3 μm particles) particles	<ul style="list-style-type: none">▪ Particles▪ Yeast cells	<ul style="list-style-type: none">▪ Particles▪ Yeast cells	<ul style="list-style-type: none">▪ Particles▪ Yeast cells▪ Platelets	<ul style="list-style-type: none">▪ Large particles▪ Rubber grit cells	<ul style="list-style-type: none">▪ Glass prefilter▪ Glass + membrane▪ Highly particle-laden samples
Recommended Pore Size:							
0.1 μm	0.2 μm	0.45 μm	0.65 μm	0.8 μm	1.2 μm	5 μm	GF (Glass Fiber)

3. Sample Volumes

For Use With:			
▪ 1 mL to 200 mL	▪ 1 mL to 100 mL	▪ 0.5 mL to 15 mL	▪ 0.05 mL to 1 mL
Recommended Diameter:			
28 mm for up to 200 mL	25 mm for up to 100 mL	15 mm for up to 15 mL	4 m for up to 1 mL

