Selection Guide Poster

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 high flow rates make Minisart® syringe filters the ideal choice for all your syringe filtration needs.

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

1. Sample Composition

Aqueous		**Aqueous | Solvents**		
Hydrophilic		Hydrophilic		Hydrophobic
For Use With:				
▪ Buffers ▪ Protein analysis	▪ Tissue culture media	▪ Aqueous | solvent mixtures | solvents	▪ Solvent mixtures | solvents	▪ Solvents | gases | acids | bases
Recommended Filter Material:				
CA	**PES**	**RC**	**NY**	**PTFE**
Cellulose acetate	Polythersulfone	Regenerated cellulose	Polyamide, nylon	Polytetrafluoroethylene


2. Pore Sizes

Sterile Filtration		**Sample preparation / clarification / particle removal**					**Prefiltration**
For Use With:							
▪ Small bacteria ▪ Mycoplasma ▪ Colloids >0.1 µm	▪ 0.2 µm – UHPLC, etc. (Columns < 3 µm particles) bacteria	▪ HPLC, etc. (Columns >3 µm particles) particles	▪ Particles ▪ Yeast cells	▪ Particles ▪ Yeast cells	▪ Particles ▪ Yeast cells ▪ Platelets	▪ Large particles ▪ Cells	▪ 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 mm for up to 1 mL**




Learn more about Sartorius Minisart® syringe filters: sartorius.com/en/products/lab-filtration-purification/syringe-filters