

HPLC Accessories

Syringe-Tip Filters

Minisart Syringe-Tip Filter Units

Minisart-PLUS Filters - An integral glass fiber prefilter greatly reduces the clogging associated with typical disposable syringe filtration units. Cellulose acetate filters with 0.2 μ m or 0.45 μ m pores. Sterile; individually packaged.

Minisart filters have a Luer Lock inlet and outlet, for positive attachment to the syringe. Suitable for clear aqueous solutions not requiring preliminary filtration.



DESCRIPTION	CAT. NO.	PRICE
MINISART-PLUS FILTERS (BOX OF 50)		
0.2 μ m Pores	17823K	
0.45 μ m Pores	17829K	
MINISART FILTERS (BOX OF 50)		
0.2 μ m Pores	16534K	
0.45 μ m Pores	16555K	
0.8 μ m Pores	16592K	
1.2 μ m Pores	17593K	
5 μ m Pores	17594K	

54120-U



Iso-Disc Syringe-Tip Filter Units

Sample filtration can prolong column life and minimize downtime. Use Iso-Disc syringe filters to protect your HPLC column and instrument. Filters are available in Nylon, PTFE, PVDF.

RECOMMENDATIONS

Nylon Membrane:	General filtration, especially for aqueous or other hydrophilic samples. Not recommended for use with acids.
PTFE Membrane:	General filtration for hydrophobic samples. High solvent resistance.
PVDF Membrane:	Similar to PTFE, but recommended where low protein binding is important.
0.45 μ m Pores:	Most HPLC applications.
0.2 μ m Pores:	Use when using 3 μ m HPLC columns or when suspended particles must be minimized.

SPECIFICATIONS

Housing:			
Polypropylene			
Connectors:			
Female luer lock inlet; Male luer outlet			
Pressure Rating:			
	PTFE	Nylon	PVDF
25mm	100psi	90psi	50psi
13mm	100psi	100psi	50psi
4mm	75psi	75psi	n/a
Typical Sample Volume (depends on condition of sample):			
25mm:	<100mL		
13mm:	<10mL		
4mm:	<2mL		
Typical Holdup Volume (with air purge):			
25mm:	<100 μ L		
13mm:	<10 μ L		
4mm:	<10 μ L		

B-D disposable syringes are available from Aldrich

Iso-Disc Syringe-Tip Filter Units

ISO-DISC UNIT	MEMBRANE	DIAMETER (mm)	PORE SIZE (μ m)	COLOR OF LETTERING	QUANTITY	CAT. NO.	PRICE
PTFE-25-2	PTFE	25	0.2	Green	50	54120-U	
PTFE-25-4	PTFE	25	0.45	Green	50	54121-U	
PTFE-25-10	PTFE	25	1	Green	50	54128-U	
PTFE-13-2	PTFE	13	0.2	Green	50	54131-U	
PTFE-13-4	PTFE	13	0.45	Green	50	54132-U	
PTFE-4-2	PTFE	4	0.2	Natural Body*	100	54143-U	
PTFE-4-4	PTFE	4	0.45	White/Red Body*	100	54144-U	
N-25-2	Nylon	25	0.2	Orange	50	54122-U	
N-25-4	Nylon	25	0.45	Orange	50	54123-U	
N-13-2	Nylon	13	0.2	Orange	50	54133-U	
N-13-4	Nylon	13	0.45	Orange	50	54134-U	
N-4-2	Nylon	4	0.2	Natural Body*	100	54145-U	
N-4-4	Nylon	4	0.45	Natural Body*	100	54146-U	
PVDF-25-2	PVDF	25	0.2	Red	50	54124-U	
PVDF-25-4	PVDF	25	0.45	Red	50	54125-U	
PVDF-13-2	PVDF	13	0.2	Red	50	54135-U	
PVDF-13-4	PVDF	13	0.45	Red	50	54136-U	

* No lettering.

Order: 1.800.325.3010 Technical Service: 1.800.359.3041 Web: www.sigma-aldrich.com/supelco