PRODUCT INFORMATION

Syringe filters

Product information for SFA1322S/SFA2522S/SFA1345S/SFA2545S:

Description:

Syringe Filters are simply quality filters, well packaged, and offered at a fair and competitive price. The Classic range is available in all of the major membranes including Nylon, PTFE, PES, MCE and PVDF, which are supplied in 13mm, 25mm formats in virgin medical polypropylene housings.

Features:

- Application Compatibility: Broad range of filtration media meets diverse application needs
- Minimum sample hold-up: Syringe Filters' housings are specifically designed to maximize sample recovery
- Convenient: Each unit is clearly marked with an identifying code to denote pore size, membrane material
- Sterile: Filters can be purchased pre-sterilized by Gamma radiation and individually packaged

Item No.	Pore size	Diameter
SFA1322S	0.22um	13mm
SFA2522S	0.22um	25mm
SFA1345S	0.45um	13mm
SFA2545S	0.45um	25mm

Application

- HPLC sample preparation
- Routine QC analysis
- Content uniformity
- Removal of protein precipitates

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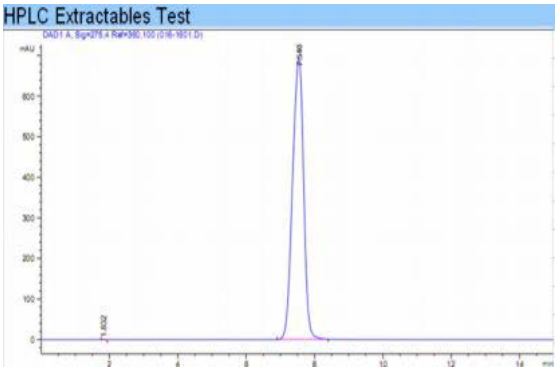
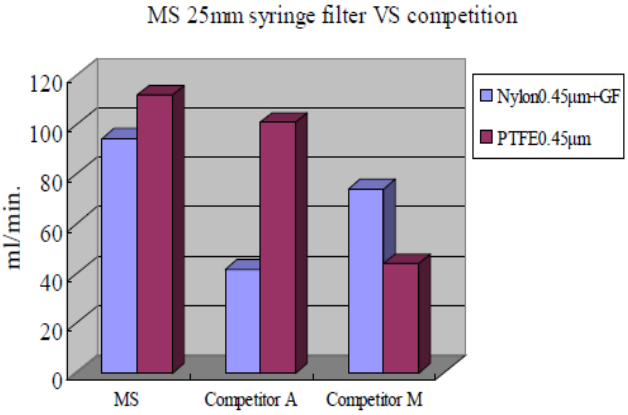
- Dissolution testing
- Food analysis
- Biofuel analysis
- Environmental samples

Validated HPLC Performance

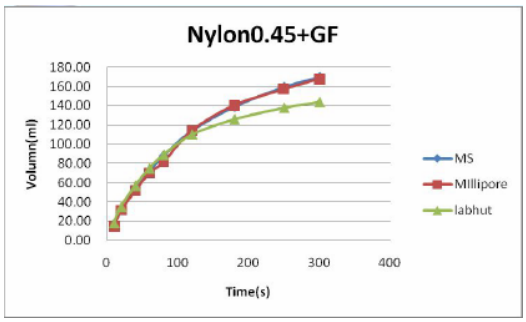
- HPLC certification which guarantees the filters will not produce extraneous peaks in the UV range.
- 100% integrity tested with higher burst strength ratings assuring they will perform consistently.
- Available in 13 and 25mm sizes and available in sterile, too.
- 0.45µm for most clarification applications and 0.22 µm when fine particulate removal is required. Other pore size are available in 0.8µm-5µm.



Agilent Technologies 1200, Column: C18 UV = 254 nm Mob.phase: MeOH/H_2O:20:80, Temperature: 25°C, Flow rate:0.8ml/min, sample:2mg/ml Bergenin(in Methanol)



Water flow at 1 bar



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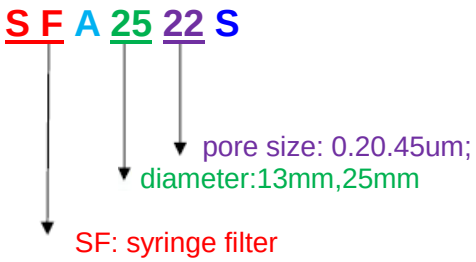
Ordering information:

A: How to order?



Parameters	13mm	25mm
Housing material	Virgin Medical Polypropylene	
Effective Filtration area (cm^2)	1.09	4.08
Pore Size (μm)	0.22, 0.45·····	
Holdup volume (μl)	<25	<100
Sample volume (ml)	<10	<100
Inlet connection	Female luer lock	
Outlet connection	Male luer slip	
Maximum Operating Temperature	50°C	50°C
Maximum Operating Pressure (bar)	6	6

B: How to select your sample preparation device?

Step 1: Choose the suitable membrane filtration medium Characteristics of samples

Solutions	Recommended
Solvent Mixtures	Nylon, MCE
Tissue culture Media, Buffers, Protein Analysis/ Biological Samples	CA, PVDF, PES
High Particulate Loads	With GF or PP pre-filter
Aggressive or Pure Organic Solvents	PTFE, PVDF

Step2: choose the suitable diameter

Volume of samples	
<10ml	<100ml
13mm	25mm

Step 3: Choose the suitable pore size based on the nature of your sample

- Removal of high particulate matter with a glass fiber pre-filter is critical before any drug, toxin, 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.

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