

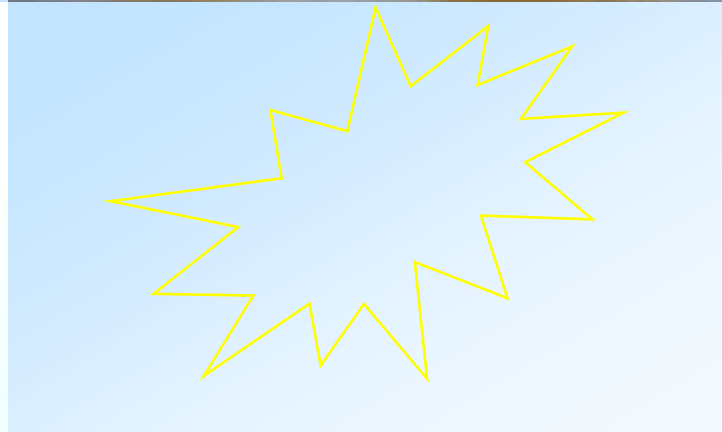
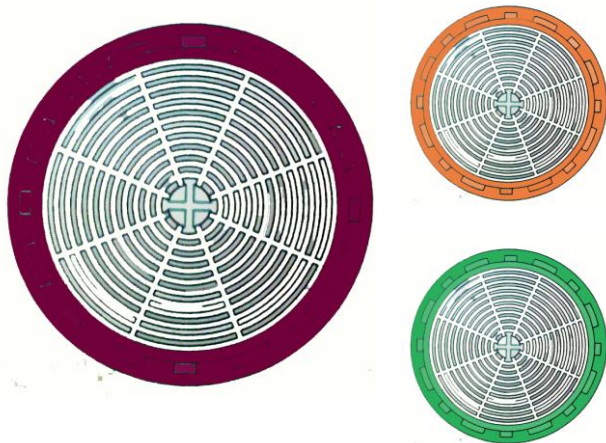
# Superpure™ Syringe Filter

**5 Improvements, 5 Days Delivery**

**Same Low Price**

**New range of HPLC 17mm, 30mm Syringe Filters**

**Superpure™** 17 mm, 30 mm color-coded syringe filters are designed to speed up and increase sample volume throughput while reducing thumb pressure. All with **HPLC certification**.



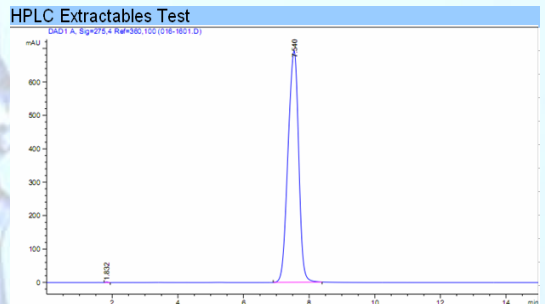
## Features and Benefits

- **Color coding:** Easier to tell the filter membrane
- **Larger filtration areas:** ( bigger than 33mm) Increased sample throughput
- **Added sample distribution ring:** Improved membrane flows
- **High resolutions print:** Easier to tell the pore size of filter
- **Better membrane media:** Improved membrane flow rates
- **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
- **Sterile:** Filters can be purchased pre-sterilized by Gamma radiation and individually packaged

## Application

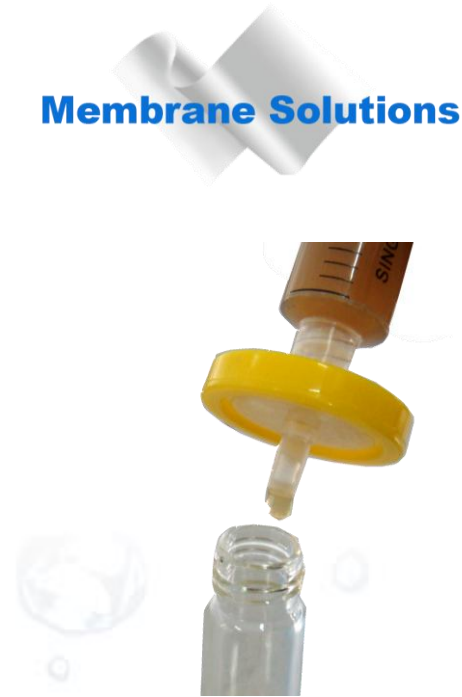
- HPLC sample preparation
- Content uniformity
- Removal of protein precipitates
- Dissolution testing
- Environmental samples

## Validated HPLC Performance



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

Parameters	17mm	30mm
Housing material	Virgin Medical Polypropylene	
Effective Filtration area (cm <sup>2</sup> )	1.65	5.39
Pore Size (µm)	0.22, 0.45.....	
Holdup volume (µl)	<25	<100
Sample volume (ml)	<20	<200
Inlet connection	Female luer lock	
Outlet connection	Male luer slip	
Maximum Operating Temperature	50°C	50°C
Maximum Operating Pressure	6 bar	6 bar



### 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	
<20ml	<200ml
17mm	30mm



➤ **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, toxic, 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.

Order No.	Pore Size (µm)	Membrane	Diameter	Package	Price (US\$/PK)
 SFNY017022N	0.22	Nylon66	17mm,	100/pk	
SFNY017045N	0.45	Nylon66	17mm,	100/pk	
SFNY030022N	0.22	Nylon66	30mm,	100/pk	
SFNY030045N	0.45	Nylon66	30mm,	100/pk	
 SFPES017022N	0.22	PES	17mm,	100/pk	
SFPES017045N	0.45	PES	17mm,	100/pk	
SFPES030022N	0.22	PES	30mm,	100/pk	
SFPES030045N	0.45	PES	30mm,	100/pk	
 SFPTFE017022NB	0.22	PTFE	17mm,	100/pk	
SFPTFE017045NB	0.45	PTFE	17mm,	100/pk	
SFPTFE030022NB	0.22	PTFE	30mm,	100/pk	
SFPTFE030045NB	0.45	PTFE	30mm,	100/pk	
 SFPVDF017022N	0.22	PVDF	17mm,	100/pk	
SFPVDF017045N	0.45	PVDF	17mm,	100/pk	
SFPVDF030022N	0.22	PVDF	30mm,	100/pk	
SFPVDF030045N	0.45	PVDF	30mm,	100/pk	

**Note:**

1. Sterile Syringe filter of all material are available.
2. Free samples are welcomed. We've standard sample pack for customers



**Membrane Solutions LLC**