

# Cellulose Acetate Membrane Syringe Filters Type- SYCG

**mdi** SYCG syringe filters incorporate low protein binding Cellulose Acetate membrane with micro-glassfiber pre-filter for efficient removal of colloidal particles and enhanced throughputs with difficult to filter solutions.

The syringe filters are HPLC certified and validated for retention efficiency, extractables, fitment and burst pressure.

These syringe filters are produced with validated processes and QA/QC systems to ensure inter-lot as well as intra-lot consistency.

## Special Features

- High retention efficiency
- 16 Channels for minimum back pressure
- Extremely low extractable
- High throughputs
- HPLC certified for low levels of UV absorbing extractables
- Heat sealed to ensure 'no leaching'
- No initial flushing required

## Applications

- Filtration of protein samples for HPLC, GC and other instrumentated analysis



## Specifications

### Materials of Construction

Housing	Polypropylene
Filter Media	Cellulose Acetate
Pre-filter	Microglassfiber

### Pore Size

0.2 µm, 0.45 µm

### Inlet/Outlet Connections

Inlet: Female luer-lock  
Outlet: Male luer slip

### Typical Hold-up Volume(with air purge)

13mm	25mm
<20µl	<50µl

### Burst Pressure (13mm/25mm)

>14kg/cm<sup>2</sup>

### Maximum Operating Temperature

55 °C

### Maximum Operating Pressure

75 psi @ 25° C

### Recommended Sample Volume

13mm	25mm
< 10 ml	< 100 ml

### Fiber Release

Complies with USFDA CFR Title 21, Part 210.3(b)(6) and do not requires any initial Flushing

### Particle Release

The filtrate Complies with USP <788> test for particulate matter in injections

### Indirect Food Additives

The plastic housing material complies with the requirements of USFDA CFR Title 21 Part 177.1520

### HPLC Certified

Every lot of SYCG syringe filters is tested and certified for use in HPLC applications

### Oxidizable Matter

Passes test as per USP <1231>



### Packaging

#### Standard Pack:

SYCG syringe filters are packed in PET jars, duly labeled. Each jar has 100 Nos. syringe filters.

#### Bulk Pack:

SYCG syringe filters are also bulk-packed in polyethene bags, duly labeled. Each bag has 1000 Nos. syringe filters.

### Storage

It is recommended to keep the syringe filters:

- i. at clean and dry location
- ii. away from direct heat sources at temperature below 50°C

### Ordering Information

Type		Size		Pore Size		Inlet/Outlet		XX	Sterility		Pack Size	
	Code	Diameter	Code		Code		Code		Code	Qty	Code	
Cellulose Acetate Membrane with Microglassfiber Syringe Filter	SYCG	13mm	03	0.2µm	01	Female Luer Lock	M		Non Sterile	1	100	04
		25mm	06	0.45µm	02	Male Luer Slip	N				1000	06
<b>Example:</b>												
SYCG		06		01		MN		XX	1		04	