

## MS® Syringe Filters

MS® 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 and 33mm formats in virgin polypropylene housings.

The emphasis is very much on quality. Membrane materials are supplied by the best names in the industry and the ISO9000 certified manufacturing is carried out to the highest standards, in certified clean room conditions, using the latest manufacturing technology to ensure a high quality, consistent product.

All items are quality tests for filter efficacy and housing integrity. The housing is pressure tested for use with up to 75 psig (5.0 bar) of pressure. Designed with a Female Luer-Lok inlet and Male Luer slip outlets. Some Filters are individually wrapped sterile, certified RNase-free, DNase-free, Non-pyrogenic, and DNA-free.



### Colour Coded:

MS® syringe filters are colour coded, providing **easy identification of the membrane type and porosity.**

Click on any of the filters below to view the range we stock with that membrane:

White – PES  
0.22µm, 0.45µm  
13mm, 25mm, 33mm

Green – MCE  
0.22µm, 0.45µm  
13mm, 25mm, 33mm

Purple – PTFE  
0.22µm, 0.45µm  
13mm, 25mm, 33mm

Yellow – Nylon  
0.22µm, 0.45µm  
13mm, 25mm, 33mm

Black – PVDF  
0.22µm, 0.45µm  
13mm, 25mm, 33mm

Blue – MCE  
0.22µm, 0.45µm  
13mm, 25mm, 33mm

Orange – PTFE  
0.22µm, 0.45µm  
13mm, 25mm, 33mm

Pink – Nylon  
0.22µm, 0.45µm  
13mm, 25mm, 33mm

Red – PVDF  
0.22µm, 0.45µm  
13mm, 25mm, 33mm

MS® PES Syringe Filter



Product Description:

MS® Syringe filters are purpose-built with features designed to bring the highest levels of performance and purity to your research. We incorporate a variety of membranes to offer separation and purification solutions for the majority of your laboratory needs. PES(Polyethersulfone) – low affinity for proteins and extractable with substantially faster flow rates than PVDF; suitable for pre-filtration and filtration of buffers and culture media.

Features and Benefits:

- High filtration speed
- Lowest protein binding
- Syringe Filters for Cell Culture provide effective filtration for a wide variety of sample types. They are available in two pore sizes(0.22µm and 0.45µm)
- All items are quality tests for filter efficacy and housing integrity. The housing is pressure tested for use with up 75 psig (5.0 bar) of pressure
- Designed with a Female Luer-Lok inlet and Male Luer slip outlets.
- some Filters are individually wrapped sterile, certified RNase-free, DNase- free,
- Non-pyrogenic, and DNA –free.

- Low exeractables

Application:

- Sterile filtering protein solution
- Tissue culture media filtration
- Tissue culture additive filtration

Technical Specification:

Parameters	13mm	25mm	33mm
Membrane material	PES	PES	PES
Housing material	PP	PP	PP
Filter diameter (mm)	13mm	25mm	33mm
Filtration area (cm <sup>2</sup> )	0.65	3.90	4.60
Pore Size(µm)	0.22   0.45	0.22   0.45	0.22   0.45
Holdup volume (µl)	<10	<30	<55
Sample volume (ml)	<12	<100	<140
Maximum Operating Temperature	90°C	90°C	90°C
Maximum Operating Pressure (psi)	50	95	120
Applicable pH value	1-14	1-14	1-14