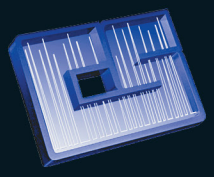
CHROMSPEC™ UV Sterile Syringe Filters

- Sterile filtration and clarification
- ETO sterilized
- Comprehensive choice of membranes
- Colour-coded for easy identification
- 13 and 25mm diameter options
- 0.22 and 0.45µm porosities
- Leak-free Luer-lok and Luer connections

The CHROMSPEC™ UV line of Sterile Syringe Filters offers a comprehensive range of membranes in 13 and 25mm diameters and 0.22 and 0.45 porosities for sterile filtration and clarification.



CHROMATOGRAPHIC SPECIALTIES INC.

www.chromspec.com

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The range of membranes exhibits the same solvent compatibility characteristics and application areas as their non-sterile equivalent.

Applications include:

- Clarification of sterile solutions
- Sterile filtration, including DMSO
- Cell culture media prep
- Sterile filtration and Mycoplasma removal

The filters are individually sealed, maintaining the sterility from the original controlled manufacturing environment.

As well as the stringent and controlled manufacturing conditions used to sterilize CHROMSPEC™ UV Syringe Filters, all Sterile Syringe Filters exhibit the same physical specifications as the non-sterile equivalent.

PROPERTY	DIAMETER (mm)	
	13	25
Filter Area (cm^2)	0.65	3.9
Burst Pressure (psi)	100	100
Retain Volume (µl)	30	120
Sample Volume (ml)	6	70
Housing Material	Polypropylene	
Connection (inlet/outlet)	Female Luer-lok/Male Luer	

CHROMSPEC™ UV Syringe Filter Membrane Selection Guide

Cellulose Acetate

- Naturally hydrophilic membrane
- Low protein binding; suitable for use with aqueous protein solutions
- Nitrate free; suitable for groundwater filtration
- Uniform pore size

Mixed Cellulose Esters (MCE)

- Improved hydrophilic character and very low protein binding
- Improved aqueous sample flow and molecular weight cut off
- Ideal for aqueous based samples, tissue culture and sensitive biological samples
- Lower chemical resistance

Nylon

- Hydrophilic surface, good solvent resistance and medium protein binding
- Filtration of all aqueous samples and most organic solvents
- Strong mechanical stability
- Excellent chemical compatibility (esters, bases, phenol and alcohols)

PES

- Naturally hydrophilic and low protein binding
- Ideal for aqueous based samples
- Fast flow rate and high throughput
- General filtration of biological samples

PTFE

- Highest solvent resistance and high protein binding
- Filtration of non-aqueous or solvent based samples
- Condition with methanol or ethanol prior to aqueous sample filtration
- Extremely broad chemical and thermal compatibility
- Recommended for strong acids and bases

PVDF

- Broad chemical compatibility and low UV absorbing extractables
- Highly resistant to most solvents and low protein binding
- General filtration of biological samples
- Filtration of all aqueous and most solvent based samples
- Filtration of proteins and tissue cultures

Regenerated Cellulose

- Hydrophilic
- Easily wettable
- Resistant to most solvents and aqueous solutions (pH range 3 - 12)
- Low non-specific adsorption
- Particle removal from solvents
- Mobile phase filtration for HPLC

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