

**UNICHRO® SYRINGE FILTERS**

Sample preparation syringe filters for sterilizing and clarifying biological solutions

# UNICHRO® SYRINGE FILTERS

## SAMPLE PREPARATION SYRINGE FILTERS FOR STERILIZING AND CLARIFYING BIOLOGICAL SOLUTIONS

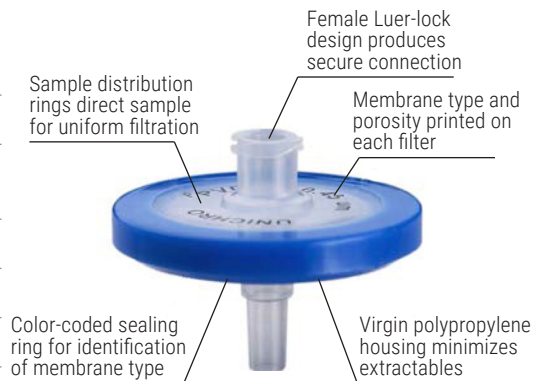
Cobetter Unichro® Syringe Filters are ideal for preparing 1-100mL samples prior to chromatography or other instrumental analyses. The overmolded design allows higher operating pressures and faster filtration.

These filters are available in a variety of different filtration media to match specific flow rates and filtration requirements for a wide range of sample preparation solutions.

FEATURE	BENEFIT
<b>Available in multiple filtration media</b>	Available in a variety of different media to match the requirements of specific sample preparation
<b>Certified and Color-Coded</b>	HPLC certified for low extractables
	IC Certified for low levels of inorganic extractables
	Color-coding for easy identification
<b>Quality assurance</b>	These products are manufactured in a facility which adheres to ISO 9001 Practices.

### SPECIFICATIONS

<b>Filter media</b>	Hydrophilic PVDF: Fast flow and ultra-low protein binding
	Polyethersulfone (PES): High flow rate, Low protein binding, low extractable
	Cellulose Acetate (CA): Low protein binding and extractables
	Nylon - Aqueous and organic solutions
	Hydrophilic PTFE - Aqueous and mild organic solutions
	Hydrophobic PTFE - Organic solvents, chemically resistant
	Mixed Cellulose Ester (MCE) - Biologically inert, widely used membranes in analytical and research applications
	Regenerated Cellulose: Fast flow, low protein binding
<b>Shell</b>	Polypropylene
<b>Fittings:</b>	Inlet: Female Luer Lock    Outlet: Male Luer Slip
<b>Max. operating temperature</b>	45°C (113°F)



### Typical Applications

- Filtration of tissue culture media/buffers
- Biological sample preparation

## EFFECTIVE FILTRATION AREA

DIAMETER	HOLD UP VOLUME	EFFECTIVE FILTRATION AREA (EFA)
13	<25 µL	0.72 cm <sup>2</sup>
25	<100 µL	3.4 cm <sup>2</sup>
33	<125 µL	4.5 cm <sup>2</sup>

## ORDERING INFORMATION

EXAMPLE: **SFM13PVH0045** = 13 mm diameter syringe filter, PVDF membrane, 0.45 µm pore size

### SFM



#### Diameter

13 = 13 mm  
25 = 25 mm  
33 = 33 mm



#### Media

PE = Polyethersulfone  
CA = Cellulose Acetate  
NY = Nylon  
PVH = Hydrophilic PVDF  
RC = Regenerated Cellulose  
MC = Mixed Cellulose Ester (MCE)  
PTH = Hydrophilic PTFE  
PT = Hydrophobic PTFE



#### Pore Size

0022 = 0.22 µm  
0045 = 0.45 µm

**Packaging:** Comes in quantity of 100 per box.



BANNER INDUSTRIES IS THE EXCLUSIVE DISTRIBUTOR FOR COBETTER PRODUCTS IN THE USA  
Visit [www.bannerindustries.com](http://www.bannerindustries.com) and select the Contact Us link to find the location nearest you. The Banner Industries of N.E., Inc. Terms and Conditions of Sale apply and are fully and expressly incorporated herein by reference and constitute a part of any contract for the purchase of the products described herein.

[www.bannerindustries.com](http://www.bannerindustries.com) | Technical Sales: [filtration@bannerindustries.com](mailto:filtration@bannerindustries.com)

CBBPP1112 Rev. 06032022  
Copyright © 2022 Banner Industries, Inc. All rights reserved.  
Unichro® is a registered trademark of Cobetter Filtration Equipment Co., Ltd.