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- *Fast-flowing PES membrane*
- *No-tip/easy-grip flask design*
- *Low protein binding*
- *For volumes from 150 mL to 1L*

DATA SHEET

Stericup® and Steritop™ Vacuum Filter Cups

With Millipore Express® PLUS membrane for fast sterilization of serum-based tissue culture media and other "hard-to-filter" solutions

Filter Faster

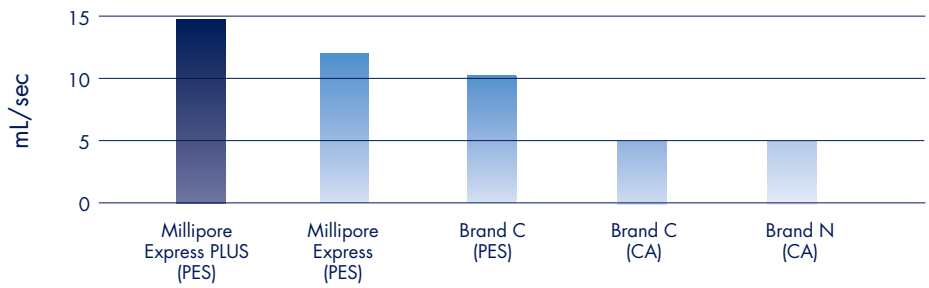
Stericup and Steritop filter cups feature Millipore Express PLUS polyethersulfone (PES) membrane–a fast flowing, low protein binding PES membrane–in a stable, convenient filter cup design.

Ideal for sterilizing tissue culture media, buffers, or other aqueous solutions, these filter cups are the high performance choice in the Stericup filter family.

Stericup and Steritop filter cups with Millipore Express PLUS membrane filter tissue culture media up to 25% faster than original Millipore Express membrane and 3x faster than filter cups with cellulose acetate (CA) membrane.

High Flow Rates

Average Flow Rate for 500 mL Vacuum Cups
DMEM with 10% FBS (500 mL)



Millipore Express PLUS membrane is up to 25% faster than Millipore Express membrane—and 3x faster than cellulose acetate membranes.

Low Binding

The membrane's proprietary hydrophilic surface ensures that key growth factors and proteins won't be absorbed into the filter. Other membranes non-specifically bind significantly more protein than Millipore Express PLUS membrane. For applications that require ultra-low protein binding, use Stericup filter cups with Durapore® PVDF membrane.

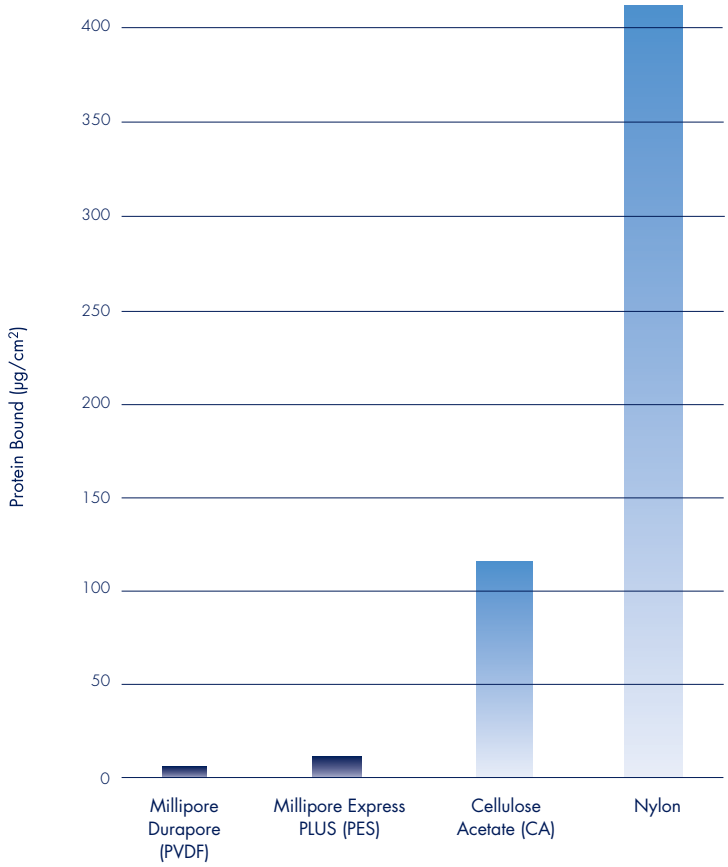
High Throughput

The asymmetric pore structure of the Millipore Express PLUS membrane gives it greater throughput than other membranes. This can be especially important when filtering serum or other proteinaceous solutions.

Intelligent Design

Stericup's no-tip, tapered receiver flask and compact profile improve stability and make gripping the receiver easier. The bottom of the flask is slightly recessed so that capped flasks can be stacked for storage. A small tab inside the funnel secures a prefilter in place during filtration.* For added protection against contamination, the threads of the bottle cap are slightly recessed in case the cap accidentally touches a work surface.

Low Protein Binding



Non-specific protein binding was determined by incubating a selection of membrane discs in a 1 mg/mL solution of ^{125}I-labeled IgG and then determining the bound protein. The results show that CA and nylon membranes bind significantly more protein than Millipore Express PLUS membrane. The results also show that Durapore is the lowest protein binding membrane.

Specifications

Connections	Hose barb vacuum inlet
Materials	
Housing:	Polystyrene
Membrane:	Either Millipore Express PLUS (PES); Durapore (PVDF); or Millipore Express (0.1 µm only)
Sterilization	Gamma irradiation
Filtration Area	40 cm^2

*Prefilter sold separately. See Ordering Information.

Ordering Information

Stericup Filter Cups combine a filter unit with a receiver flask and cap for processing and storage.

Product	Membrane	Pore Size (µm)	Funnel Capacity (mL)	Receiver Bottle (mL)	Qty/ Pk	Catalogue No.
Stericup-GP	Millipore Express PLUS (PES)	0.22	150	150	12	SCGP U01 RE
			250	250	12	SCGP U02 RE
			500	500	12	SCGP U05 RE
			500	1000	12	SCGP U10 RE
			1000	1000	12	SCGP U11 RE
Stericup-GV	Durapore (PVDF)	0.22	150	150	12	SCGV U01 RE
			250	250	12	SCGV U02 RE
			500	500	12	SCGV U05 RE
			500	1000	12	SCGV U10 RE
			1000	1000	12	SCGV U11 RE
Stericup-HV	Durapore (PVDF)	0.45	150	150	12	SCHV U01 RE
			250	250	12	SCHV U02 RE
			500	500	12	SCHV U05 RE
			500	1000	12	SCHV U10 RE
			1000	1000	12	SCHV U11 RE
Stericup-VP	Millipore Express (PES)	0.1	250	250	12	SCVP U02 RE

Accessories

Product	Material	Pore Size (µm)	Qty/ Pk	Catalogue No.
Prefilter Disk	AP20 (glass fiber)	–	100	AP20 075 00

Ordering Information

Steritop Bottle Top Filter Units can be used with bottles having a narrow-mouth (33 mm) or a wide-mouth (45 mm) opening.

Product	Membrane	Pore Size (µm)	Funnel Capacity (mL)	Fitting Outlet Thread	Qty/ Pk	Catalogue No.
Steritop-GP	Millipore Express PLUS (PES)	0.22	150	33 mm	12	SCGP S01 RE
				45 mm	12	SCGP T01 RE
			250	33 mm	12	SCGP S02 RE
				45 mm	12	SCGP T02 RE
			500	33 mm	12	SCGP S05 RE
				45 mm	12	SCGP T05 RE
			1000	33 mm	12	SCGP S10 RE
`				45 mm	12	SCGP T10 RE
Steritop-GV	Durapore (PVDF)	0.22	150	33 mm	12	SCGV S01 RE
				45 mm	12	SCGV T01 RE
			250	33 mm	12	SCGV S02 RE
				45 mm	12	SCGV T02 RE
			500	33 mm	12	SCGV S05 RE
				45 mm	12	SCGV T05 RE
			1000	33 mm	12	SCGV S10 RE
`				45 mm	12	SCGV T10 RE
Steritop-VP	Millipore Express (PES)	0.1	250	33 mm	12	SCVP S02 RE
				45 mm	12	SCVP T02 RE
Receiver Bottles and Caps			150	45 mm	12	SC00 B01 RE
			250	45 mm	12	SC00 B02 RE
			500	45 mm	12	SC00 B05 RE
			1000	45 mm	12	SC00 B10 RE

Accessories

Product	Material	Pore Size (µm)	Qty/ Pk	Catalogue No.
Prefilter Disk	AP20 (glass fiber)	–	100	AP20 075 00

Part of a Family of Products for Sterile Filtration

Millipore offers a full selection of sterilizing filter products, including syringe-, pressure-, vacuum-, and pump-driven devices in a wide range of pore sizes and volumes. For more information, contact Millipore or visit **www.millipore.com/sterile.**

For Additional Information

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