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Steritop™ Vacuum Filter Cups



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

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

Filter Faster

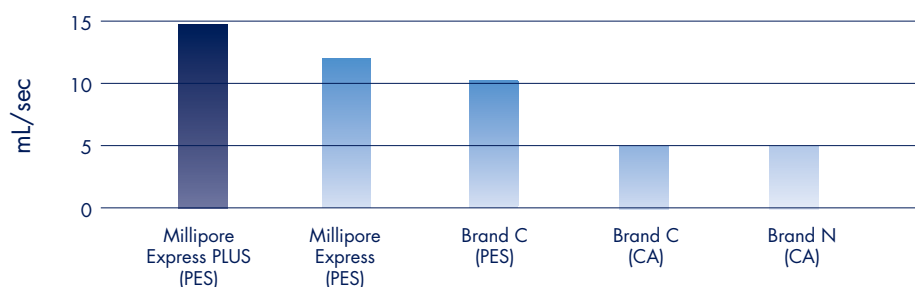
Stericup and Steritop filter cups feature Millipore Express PLUS polyethersulfone (PES) membrane—a fast flowing, low protein binding PES membrane—in a stable, convenient filter cup design.

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.

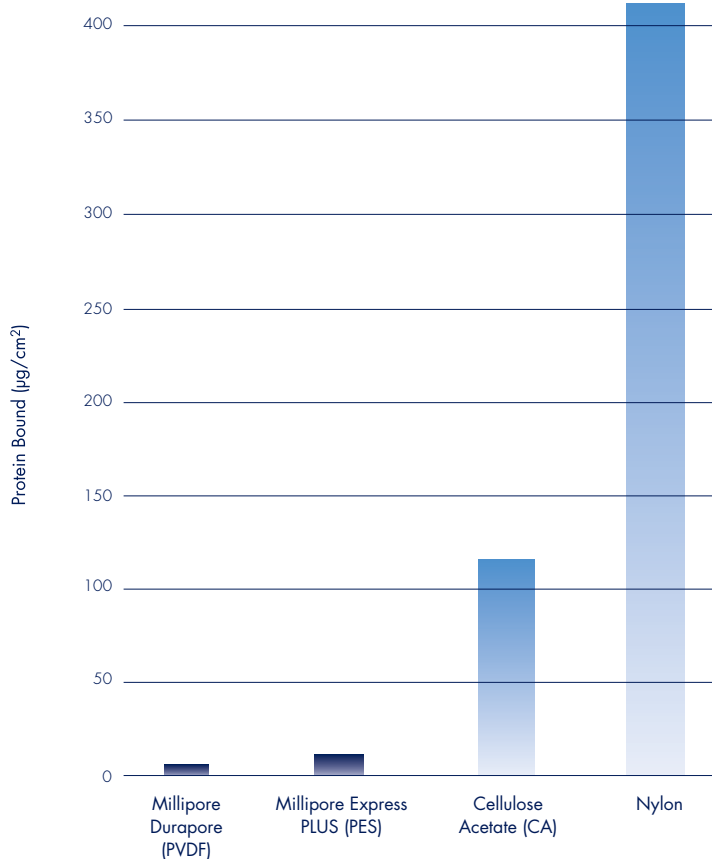
High Throughput

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 ¹²⁵I-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 cm²

*Prefilter sold separately. See Ordering Information.

Steritop Bottle Top Filter Units

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



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