

# Simply better membrane technology, simply better Stericup® filters.

Don't take risks with your media. If your sterile filtration membranes are clogging and/or binding serum proteins in your media, your cells risk:


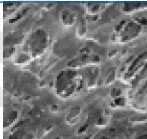
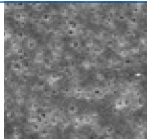
- Cellular damage
- Exposure to toxins
- Suboptimal cell growth

Trust Stericup® filters with NEW improved Millipore Express® PLUS membrane. Our most popular Stericup® membrane, Millipore Express® PLUS polyethersulfone (PES), now delivers even faster filtration rates while reducing overall protein and reagent loss.

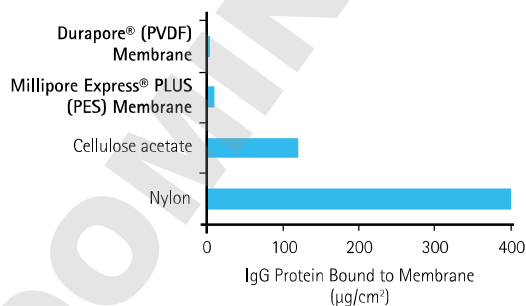
Learn more at: [www.merckmillipore.com/sterilefiltration](http://www.merckmillipore.com/sterilefiltration)



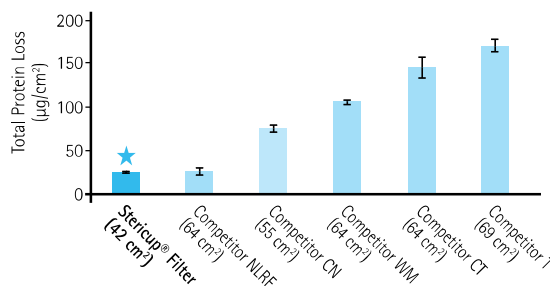
## Membrane design makes a difference.

Membrane	Pore Structure	Membrane Top	Membrane Bottom	Main Features
Millipore Express® PLUS PES (polyethersulfone)	 Asymmetric			<ul style="list-style-type: none"> <li>• High flow rate</li> <li>• Low protein binding</li> <li>• Low volume retention</li> </ul>

### Protein Binding by Membrane Type



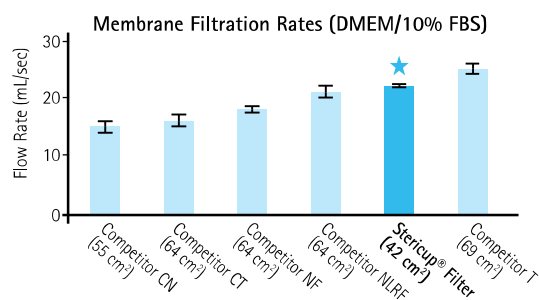
### Low Protein Binding: Minimizes Protein Loss



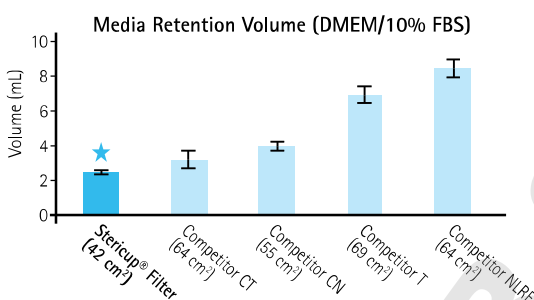
13 mm disks from were cut out from different filtration devices (n=3). Protein binding was quantified by incubating discs in 1 mL tracer (1 mg/mL goat IgG in PBS containing <sup>125</sup>I-goat IgG at 0.1 µCi/mL). After 2 h of shaking at RT, the tracer solution was aspirated. Disks were washed 3X in PBS then assayed for bound radioactivity.

# Simply better Stericup® filters.

## Faster filtration.



## Lower retention volume.



500 mL of DMEM+10%FBS was filtered to completion through various 0.22 µm hydrophilic PES membrane filtration devices. Filtration rates and retention volumes were calculated (n=3).

## Stericup® and Steritop® Filter Units

Description	Membrane	Pore Size (µm)	Funnel Capacity (mL)	Receiver Bottle (mL)	Qty/Pk	Catalogue No.
Stericup®-GP Filter Unit	Millipore Express® PLUS (PES)	0.22	150	150	12	SCGPU01RE
		0.22	250	250	12	SCGPU02RE
		0.22	500	500	12	SCGPU05RE
		0.22	1000	1000	12	SCGPU11RE
Steritop®-GP Filter Unit	Millipore Express® PLUS (PES)	0.22	150	150	12	SCGPS01RE
		0.22	150	150	12	SCGPT01RE
		0.22	250	250	12	SCGPS02RE
		0.22	250	250	12	SCGPT02RE
		0.22	500	500	12	SCGPS05RE
		0.22	500	500	12	SCGPT05RE
		0.22	1000	1000	12	SCGPT10RE
		0.22	1000	1000	12	SCGPT10RE

## Steriflip® Filter Units

Description	Membrane	Volume (mL)	Pore Size (µm)	Qty/Pk	Catalogue No.
Steriflip®-GP Filter Unit	Millipore Express® PLUS (PES)	50	0.22	25	SCGP00525
Steriflip®-GV Filter Unit	Durapore® (PVDF)	50	0.22	25	SE1M179M6
Steriflip®-HV Filter Unit	Durapore® (PVDF)	50	0.45	25	SE1M003M00

## Sterile 33 mm Millex® Syringe Filters

Description	Membrane	Pore Size (µm)	Qty/Pk	Catalogue No.
Millex®-GP Filter Unit	Millipore Express® PLUS (PES)	0.22	1000	SLGP033RK
		0.22	250	SLGP033RB
		0.22	50	SLGP033RS
		0.45	50	SLHP033RB
Millex®-GV Filter Unit	Durapore® (PVDF)	0.22	50	SLGV033RS
		0.45	50	SLHV033RS

## To Place an Order or Receive Technical Assistance

In Europe, please call Customer Service:

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Italy: 848 845 645

Spain: 901 516 645 Option 1

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Or visit: [www.merckmillipore.com/offices](http://www.merckmillipore.com/offices)

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