Reliable sterile filtration.
Consistent cultures.



DOMINIQUE DUTSCHER SAS

The Life Science business of Merck operates as MilliporeSigma in the U.S. and Canada.

Millipore®

Preparation, Separation, Filtration & Monitoring Products

Millipore® – the name you trust for sterile filtration

Millipore® is the brand of choice for sterile filters–for everything from media preparation for your cell culture, to sterilization of critical drug compounds:

Selection

From 1 mL to 20 L, we offer an array of both vacuum- and pressure-driven devices that incorporate our long-trusted membrane technology.

Expertise

With over 50 years of expertise in the sterile filtration business, we set the industry standard for high performance membrane technology and application in sterile filtration.

Innovation

As protocols requiring sterile filtration evolve, we continually qualify our filter systems to provide application-specific data.

Improving on Sustainability

We offer Stericup® E and Steritop® E sterile filtration devices, designed to ensure trouble-free cell culture, while diminishing environmental impact. Groundbreaking device design maintains exceptional Stericup® filtration while dramatically reducing the use of disposable plastic and packaging materials. (see p. 8)

Membrane Technology

Sterile filtration performance depends on the quality of the membranes used. Our Millipore Express® PLUS, Durapore®, MF-Millipore™ and Fluoropore™ brand membranes set the industry standard for their application-specific properties (see below).

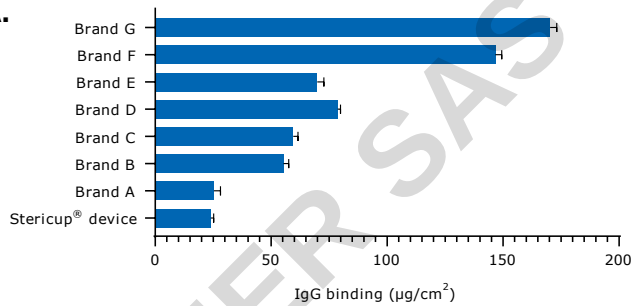
To learn more, please visit:
SigmaAldrich.com/membrane-center

Fit-for-Application Membrane Chemistries

- Fastest flow, low protein-binding of aqueous solutions with Millipore Express® and Express® PLUS polyethersulfone (PES) membrane devices
- Fast flow and low protein-binding Mixed Cellulose Esters (MCE)
- Broad chemical compatibility and very low protein-binding polyvinylidene fluoride (PVDF)

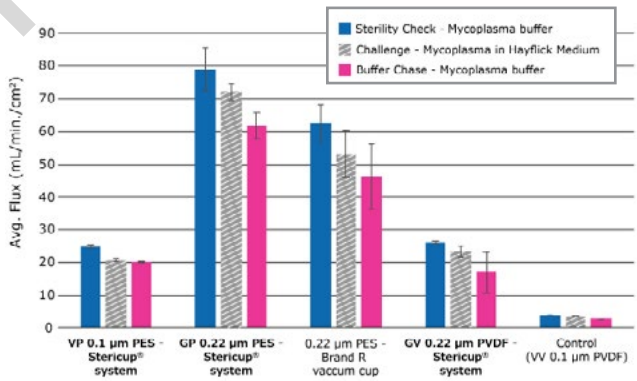
To learn more, visit:
SigmaAldrich.com/SterileFiltration

A.



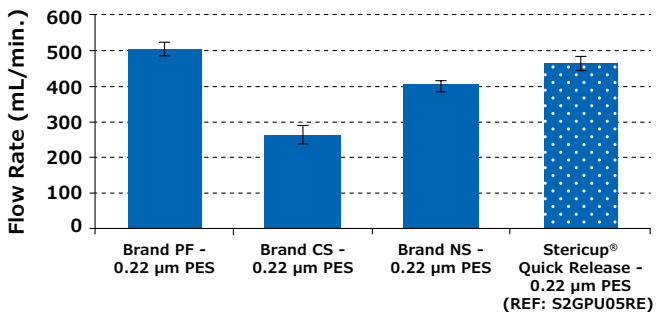
A. Amount of ^{125}I-goat IgG bound per square area of PES filters from different sterile vacuum filtration devices. The amount of bound IgG protein ranged from ~24 µg/cm² to 170 µg/cm². The PES filter from the Stericup® sterile vacuum filtration device exhibited the lowest binding of all devices tested. More information at: **SigmaAldrich.com/Protein-Binding**

B.



B. Calculated flux for 0.1 and 0.22 µm PES and PVDF membrane Filters. VP = 0.1 µm PES membrane. GP = 0.22 µm PES membrane. GV = 0.22 µm PVDF membrane. VV = 0.1 µm PVDF membrane. More information at: **SigmaAldrich.com/Mycoplasma-Clearance**

C.



C. Flow rate comparison for the sterile filtration of FBS. Brand CS had the lowest flow rate at 4.49mL/sec, followed by Brand NS (6.72mL/ sec), Stericup® Quick Release (7.80mL/sec), and Brand PF with the highest flow rate at 8.44mL/sec. More information at: **SigmaAldrich.com/FBS-Filtration**

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Table of Contents

Summary of Sterile Filtration Products	**4**
Bench-scale Filters	**6**
Stericup® and Steritop® Quick Release Filter Units	7
Stericup® E and Steritop® E Filter Units	8
Steriflip® Filter Units	10
Millex® Syringe Filters	11
Large-scale Sterile Filtration Devices	**13**
Sterivex® Filters	13
Stericap™ PLUS Filters	13
Steripak™ Filters	14
Accessories for Stericup® and Steritop® Systems	14
Related Products: Multiwell Plates	**15**
MultiScreen®$_{HTS}$ Filter Plates	15
Millicell® Microporous Membrane-Based Cell Culture	15

Click on
Learn more

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What people are saying...

"For over 40 years we've trusted MilliporeSigma to provide the quality filtration tools we need."

James T. Voss, NRRPT, CHP Fellow, Health Physics Society, President of Voss Associates.

"Trusted partners like MilliporeSigma are rare but central to our success."

Dr. Michael West, CEO, BioTime, Inc., Renowned thought leader in stem cell therapeutics

"I found that both the Stericup® E and Steritop® E were incredibly easy to use. I really appreciate that both the Stericup® E and Steritop® E are designed to reduce plastic use in the lab without compromising performance. The Stericup® E and Steritop® E are an ideal way for our lab to address some of the criteria outlined by LEAF (Laboratory Efficiency Assessment Framework) which helps us progress toward more sustainable practices in the lab."

Bianca Briscas, University of NSW

Summary of Sterile Filtration Products

Vacuum filtration devices for cell culture media preparation

Description	Pore Size (µm)	Membrane	Maximum Process Volume	
Stericup® Quick Release Filtration	0.1 0.22 0.45	Millipore Express® PLUS (PES), Durapore® (PVDF)	150 mL 250 mL 500 mL 1000 mL	
Steritop® Quick Release Bottle-Top Filtration Units	0.1 0.22	Millipore Express® PLUS (PES), Durapore (PVDF)	150 mL 250 mL 500 mL 1000 mL	
Stericup® E Filtration Units	0.22	Millipore Express® PLUS (PES)	500 mL 1000 mL	
Steritop® E Bottle-Top Filtration Units	0.22	Millipore Express® PLUS (PES)	All Volumes	
Steriflip® Filtration Units	0.22 0.45	Millipore Express® PLUS (PES), Durapore® (PVDF), Nylon Net	50 mL	
Click Seal Receiver Bottles and Caps			250 mL 500 mL 1000 mL	

Sterile syringe filters for cell culture media preparation and small volume filtration

Description	Pore Size (µm)	Membrane	Maximum Process Volume	
Millex® Syringe Filters (4, 13, 25 mm)	0.2 0.22 0.45 0.8 5.0	Millipore Express® PLUS (PES), Durapore® (PVDF), MCE, hydrophilic PTFE	1 – 100 mL	
Millex® Syringe Filters (33 mm)	0.1 0.22 0.45	Millipore Express® PLUS (PES), Durapore® (PVDF), MCE	10 – 200 mL	

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Large-scale sterile filtration devices

Description	Pore Size (µm)	Membrane	Maximum Process Volume	
Stericap™ PLUS Vacuum-driven Filters	0.22	Millipore Express® PLUS (PES)	2 – 10 L	
Sterivex® Pressure-driven Filters	0.22 0.45	Millipore Express® PLUS (PES), Durapore® (PVDF)	Up to 2 L	
Millex®-GP 50 mm Pressure-driven Filters	0.22	Millipore Express® PLUS (PES)	Up to 4 L	
Steripak™ Pressure-driven Filters	0.22	Millipore Express® PLUS (PES)	10 L 20 L	

Hydrophobic filters for gas filtration

Description	Pore Size (µm)	Inlet-Outlet Fittings	Membrane	
Dualex™ and Millex®-FG 25 mm Syringe Filters	0.2 0.22	FLL-MLS, FLL-MLL, FLS-MLS, FLL-Spike	Hydrophobic PTFE, Hydrophobic PVDF	
Millex® 50 mm for gas filtration and protection of vacuum pumps	0.2 1.0	Stepped hose barb and/or 1/8 in. NPTM	Hydrophobic PTFE	

FLL = Female Luer-Lok®
FLS = Female Luer slip
MLL = Male Luer-Lok®
MLS = Male Luer slip



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Bench-scale Filters

Stericup® & Steritop® Filter Units

Stericup® and Steritop® sterile filtration devices combine superior flow rates and throughput with low non-specific binding and a stable, no-tip design.

Fast flow, low-binding membranes

Membranes with low protein binding ensure that key growth factors and proteins won't be absorbed onto the filter. Millipore Express® PLUS membranes feature low protein binding and faster flow than other membranes. For applications that require ultra-low protein binding, use a device with a Durapore® PVDF membrane.

Stericup® Quick Release Filtration Systems

Work With Ease. Filter With Confidence.

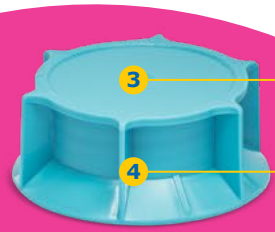
Stericup® Quick Release Filtration Systems streamline your workflow with ergonomic design updates and safeguard your results with the proven performance of Millipore membranes.

1. Quarter-Turn Quick Release Funnel Removal
2. Frosted Writing Surface
3. Lighter Color for Legibility
4. Click-Seal Confidence Cap

Additional Features:

- Cap Rests on the Side to Avoid Risk of Contamination
- Stackable Bottles to Save Space

Learn more about Stericup® Quick Release Filtration Systems at:
SigmaAldrich.com/StericupQuickRelease





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Stericup® Quick Release & Steritop® Filter Units

Stericup® Filter Units

Stericup® Filtration Systems combine a filter unit with a receiver flask and cap for processing and storage.

Description	Membrane/Application	Pore Size (µm)	Funnel Capacity (mL)	Receiver Bottle (mL)	Qty/Pk	Cat No.
Stericup®-GP Quick Release Filter Units†	Millipore Express® PLUS (PES)/fast filtration of tissue culture media and buffers	0.22	150	150	12	**S2GPU01RE**
			250	250	12	**S2GPU02RE**
			500	500	12	**S2GPU05RE**
			500	1000	12	**S2GPU10RE**
			1000	1000	12	**S2GPU11RE**
Stericup®-HV Quick Release Filter Units	Durapore®(PVDF)/filtration of high value biomolecules, lowest protein binding	0.45	150	150	12	**S2HVU01RE**
			250	250	12	**S2HVU02RE**
			500	500	12	**S2HVU05RE**
			1000	1000	12	**S2HVU11RE**
Stericup®-VP Quick Release Filter Units	Millipore Express® (PES) / removal of mycoplasma*	0.1	250	250	12	**S2VPU02RE**
			1000	1000	12	**S2VPU11RE**
Stericup®-GV Quick Release Filter Units	Durapore® (PVDF) / filtration of high value biomolecules, lowest protein binding	0.22	150	150	12	**S2GVU01RE**
			250	250	12	**S2GVU02RE**
			500	500	12	**S2GVU05RE**
			500	1000	12	**S2GVU10RE**
			1000	1000	12	**S2GVU11RE**

Steritop® Filter Units

Steritop® bottle-top filter units can be used on bottles with 33 mm or 45 mm thread.

Description	Membrane/Application	Pore Size (µm)	Funnel Capacity (mL)	Thread Size (mm)	Qty/Pk	Cat No.
Steritop® QR Filter Units†	Millipore Express® PLUS (PES)/fast filtration of tissue culture media and buffers	0.22	150	45	12	**S2GPT01RE**
			250	45	12	**S2GPT02RE**
			500	45	12	**S2GPT05RE**
			1000	45	12	**S2GPT10RE**
Steritop®-GP Filter Units	Millipore Express® PLUS (PES) / filtration of high value biomolecules, lowest protein binding	0.22	150	33	12	**SCGPS01RE**
			250	33	12	**SCGPS02RE**
			500	33	12	**SCGPS05RE**
Steritop®-GV Filter Units	Durapore® (PVDF) / filtration of high value biomolecules, lowest protein binding	0.22	500	45	12	**S2GVT05RE**
Steritop®-VP Filter Units	Millipore Express® (PES)/ removal or mycoplasma*	0.1	1000	45	12	**S2VPT10RE**

Stericup® Receiver Bottles

Receiver bottles and caps, available in various quantities.

Description	Funnel Capacity (mL)	Thread Size (mm)	Qty/Pk	Cat No.
Click Seal Receiver Bottles and Caps	250	45	12	**S200B02RE**
	500	45	12	**S200B05RE**
	1000	45	12	**S200B10RE**

* 0.10 µm pore size is designed to enhance maximum filtration of tissue culture media but it is not a guarantee of complete mycoplasma removal.

† Selected stem cell research publications citing Stericup® or Steritop® device for sterile filtration of medium:

1. Feeder independent culture of human embryonic stem cells. Teneille E. Ludwig et al. Nature Methods Vol. 3 No. 8 August 2006 637-646.
2. Roelandt P et al. Differentiation of rat multipotent adult progenitor cells to functional hepatocyte-like cells by mimicking embryonic liver development. Nat Protoc. 2010 Jul;5(7):1324-36.
3. Hu BY et al. Differentiation of human oligodendrocytes from pluripotent stem cells. Nat Protoc. 2009;4(11):1614-22. Epub 2009 Oct 15.
4. Hu BY, Zhang SC. Differentiation of spinal motor neurons from pluripotent human stem cells. Nat Protoc. 2009;4(9):1295-304.
5. Bigdeli N et al. Adaptation of human embryonic stem cells to feeder-free and matrix-free culture conditions directly on plastic surfaces. J Biotechnol. 2008 Jan 1;133(1):146-53.
6. Dravid G et al. Culture of human embryonic stem cells on human and mouse feeder cells. Methods Mol Biol. 2006;331:91-104.

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GREENER SOLUTION

Stericup® E and Steritop® E Filter Units

Description	Membrane/Application	Pore Size (µm)	Receiver Bottle (mL)	Thread Size (mm)	Qty/Pk	Cat No.
Stericup® E-GP Sterile Vacuum Filtration System	Millipore Express® PLUS (PES)/fast filtration of tissue culture media and buffers	0.22	500	38	12	**SEGPU0538**
			500	45	12	**SEGPU0545**
			1000	38	12	**SEGPU1138**
			1000	45	12	**SEGPU1145**
Steritop® E-GP Sterile Vacuum Filtration System	Millipore Express® PLUS (PES)/fast filtration of tissue culture media and buffers	0.22	Not Included	38	12	**SEGPT0038**
				45	12	**SEGPT0045**



Stericup® E & Steritop® E Filter Systems



These 'E' additions to the Stericup® family eliminate the plastic filter funnel entirely by threading directly onto the media bottle. Stericup® E and Steritop® E filter devices reduce environmental impact by cutting down on:

- Disposable plastic
- Hazardous waste
- Lab storage space requirements

Usage Guidelines

- Choose a collar thread (38 mm or 45 mm) that is compatible with your glass or plastic media/ buffer bottle.
- The 38 mm thread is recommended for our media bottles and majority of other standard commercial media bottles.
- The 45 mm thread is recommended for wider neck media bottles (such as Gibco®) or 45mm thread glass bottles.
- Use only glass or plastic bottles designed for vacuum applications. For the Steritop® E filter, use a 45 mm threaded glass or plastic receiver bottle no larger than 2 liters.

Your eco-impact, by the numbers:

	Plastics*	Packaging*
Stericup® E Sterile filter Eliminates disposable filler funnel	Up to 26%	Up to 20%
Steritop® E Sterile filter Eliminates disposable filler funnel & receiver bottle	Up to 48%	Up to 69%



Both Stericup® E and Steritop® E **sterile filters thread directly onto virtually any commercial media bottle or glass bottle**



Stericup® E products use **significantly less packaging** made from materials that reduce environmental impact

Learn more about the Stericup® E and the Steritop® E at:
SigmaAldrich.com/Stericup-E

Learn more about our commitment to responsible life science tools at
SigmaAldrich.com/green

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Stericup® E and Steritop® E Filter Units Sustainability Checklist



Stericup® E and Steritop® E filters thread directly onto any commercial media bottle or glass bottle:

- Reduces plastic and hazardous waste.
- Frees-up storage in smaller tissue culture rooms, where space is at a premium.
- Enhances laboratory compliance with institutional sustainability requirements—or a means for achieving individual environmental responsibility goals.

Stericup® E and Steritop® E filters are packaged in individual, recyclable pouches for sterility.

Stericup E® and Steritop® E user guides are accessible via **SigmaAldrich.com** or by scanning the QR code on the product label or box, to reduce paper waste.

The Stericup® E and Steritop® E corrugated boxes and dividers have sustainable forestry certification.

Difference between Stericup® Quick Release and Stericup® E Filter Units

	Product	Funnel	Filter Collar	Receiver Bottle
	**Stericup® Quick Release Filtration**	✔	✔	✔
	**Steritop® Quick Release Bottle-Top Filtration Units**	✔	✔	
	**Stericup® E Filtration and Storage Units** Greener Solution		✔	✔
	**Steritop® E Bottle-Top Filtration Units** Greener Solution		✔	

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Steriflip® Filter Units

For filtering 10 mL to 50 mL volumes without sample transfer steps.



Filter up to 50 mL directly into a centrifuge tube

- Attach the device to a standard 50 mL centrifuge tube containing your sample, flip it over and apply vacuum
- Filtrate collects in the attached 50 mL tube
- Available with optional funnel accessory

Description	Membrane	Pore Size (µm)	Qty/Pk	Cat No.
Steriflip®-GP Filter Unit	Millipore Express® PLUS (PES)	0.22	25	**SCGP00525**
Steriflip®-GV Filter Unit	Durapore® (PVDF)	0.22	25	**SE1M179M6**
Steriflip®-HV Filter Unit	Durapore® (PVDF)	0.45	25	**SE1M003M00**
Steriflip® Steri-Strainer	Nylon Net	100	25	**SCNY00100**
		60	25	**SCNY00060**
		40	25	**SCNY00040**
		20	25	**SCNY00020**
Accessory				
Steriflip® Funnel Attachment			25	**SC50FL025**



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Sterile Millex® Syringe Filters

Millex® syringe filters provide convenient sterilization of small volumes and are ideal for solutions such as antibiotics and tissue culture additives. Their unsurpassed quality and consistency of results has led to the development of many sample preparation methods that specify Millex® filters.

Manufactured for reliable performance

Manufacturing occurs in a controlled environment using an automated process. Sterile devices are provided with a certificate of quality.

Faster flow rate

33 mm Millex® filters have 20% more filter surface than 25 mm filters for significantly higher flow rate and throughput. The 33 mm Millex has the same hold-up volume as the 25mm Millex.

Higher operating pressure

With a maximum housing pressure of up to 150 psig (10 bar), solutions can be filtered faster.

Low extractables, low binding

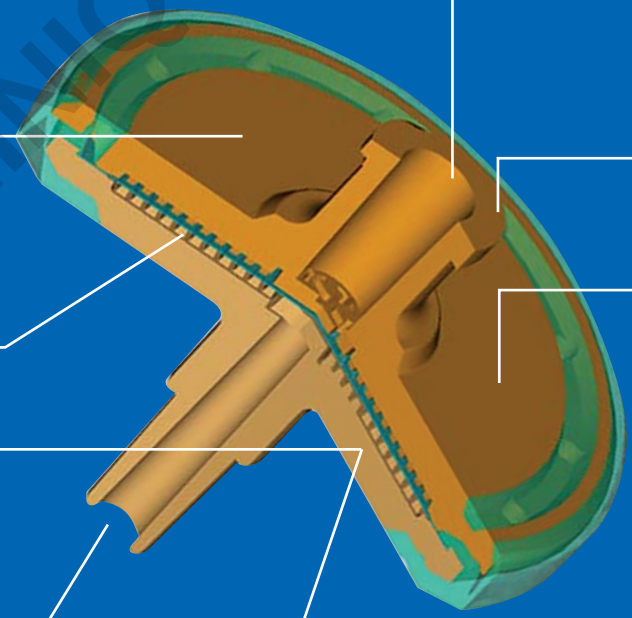
A variety of membranes and housings ensure chemical compatibility with a range of samples and solvents

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Anatomy of a 33 mm Millex® filter

Reliable syringe filtration requires thoughtful device engineering that incorporates robust housing design features which will:

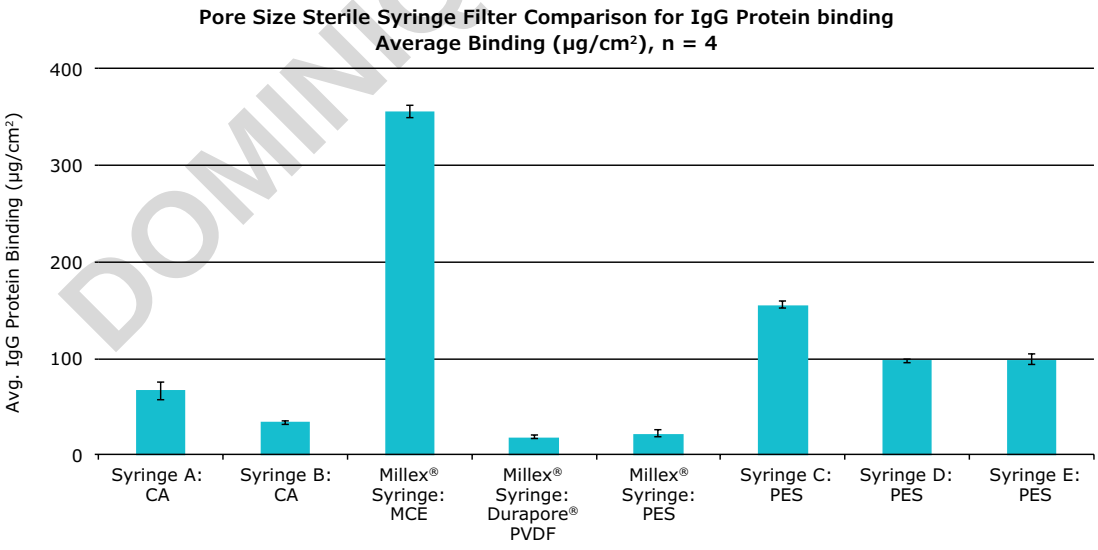
- **Prevent leakage**
- **Minimize holdup volume**
- **Ensure high particle retention**
- **Tolerate high operating pressures**
- **Reduce extractables**



Sterile Millex® Syringe Filters

Membrane	Pore Size (µm)	Diameter (mm)	Process Volume (hold-up)	Housing, sterilization method	Connections (inlet|outlet)	25 PK	50 PK	100 PK	250 PK
PES Millipore Express® Plus Membrane Fast flow and low binding for cell culture media preparation	0.22	25	100 mL (< 100 µL)	PVC, EO	FLL | MLS		**SLMPR25SS**		
		33	200 mL (< 100 µL)	Modified acrylic, RS	FLL | MLS		**SLGPR33RS**		**SLGPR33RB**
	0.45	33	200 mL (< 100 µL)	Modified acrylic, RS	FLL | MLS		**SLHPR33RS**		**SLHPR33RB**
PVDF Durapore® Membrane Lowest binding for protein rich solutions	0.1	33	100 mL (< 100 µL)	Modified acrylic, RS	FLL | MLS		**SLVVR33RS**		
	0.22	4	1 mL (< 10 µL)	HDPE, EO	FLL | Male stepped			**SLGV004SL**	
		13	10 mL (< 25 µL)	HDPE, EO	FLL | MLS			**SLGVR13SL**	
		25	100 mL (< 100 µL)	PVC, EO	Vented FLL|MLS		**SLGVVR255F**		
		33	100 mL (< 100 µL)	Modified acrylic, RS	FLL | MLS		**SLGVR33RS**		**SLGVR33RB**
	0.45	4	1 mL (< 10 µL)	HDPE, EO	FLL | Male stepped			**SLHV004SL**	
		13	10 mL (< 25 µL)	HDPE, EO	FLL | MLS			**SLHVR13SL**	
		33	100 mL (< 100 µL)	Modified acrylic, RS	FLL | MLS		**SLHVR33RS**		**SLHVR33RB**
	5.0	25	100 mL (< 100 µL)	PVC, EO	FLL | MLS		**SLSV0R25LS**		
PVDF Durapel™ Membrane Superhydrophobic for air venting and gas filtration	0.22	25	N/A	PVC, EO	FLL | MLL		**SLGVSR25US**		
MCE MF-Millipore™ Membrane Most referenced general purpose membrane	0.22	25	100 mL (< 100 µL)	PVC, EO	Vented FLL|MLS		**SLGSVR255F**		
		33	100 mL (< 100 µL)	Modified acrylic, EO	FLL | MLS		**SLGSR33SS**		**SLGSR33SB**
	0.45	33	100 mL (< 100 µL)	Modified acrylic, EO	FLL | MLS		**SLHAR33SS**		**SLHAR33SB**
	0.8	33	100 mL (< 100 µL)	Modified acrylic, EO	FLL | MLS		**SLAAR33SS**		**SLAAR33SB**
Hydrophilic PTFE Membrane Broad chemical compatibility	0.2	13	10 mL (< 25 µL)	HDPE, EO	FLL | MLS			**SLLG013SL**	
		25	100 mL (< 100 µL)	HDPE, EO	FLL | MLS		**SLLG025SS**		
PTFE Fluoropore™ Membrane Hydrophobic for gas and alcohol filtration	0.2	25	100 mL (< 100 µL)	PVC, EO	FLL | MLS		**SLFGR25LS**		
					FLL | MLL		**SLFGL25BS**		
					FLL | MLS with Needle	**SLFGNR25VS**			

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Syringe type: 0.2 µm Membrane Type

CA=cellulose acetate;
MCE=mixed cellulose esters;
PVDF=polyvinylidene fluoride;
PES=polyethersulfone

Large-scale Sterile Filtration Devices

Sterivex® Filters



Pressure-driven devices for filtering up to 2 L

Sterivex® filter units work with syringes, peristaltic pumps, or pressure vessels, and are designed to dispense into any storage container.

Description	Process Volume (mL)	Membrane	Pore Size (µm)	Fitting Outlet	Qty/Pk	Cat No.
Sterivex®-GP Filter Units						
Sterivex®-GP Filter Unit	2000	Millipore Express® PLUS (PES)	0.22	Filling Bell	10	SVGPB1010
				Male Luer-Lok®	15	SVGPL10RC
				Male Nipple	15	SVGP01015
					50	SVGP01050
Sterivex®-GV Filter Units						
Sterivex®-GV Filter Unit	1000	Durapore® (PVDF)	0.22	Filling Bell	10	SVGVB1010
				Male Luer-Lok®	15	SVGVL10RC
				Male Nipple	15	SVGV01015
					50	SVGV010RS
Sterivex®-HV Filter Units						
Sterivex®-HV Filter Unit	1000	Durapore® (PVDF)	0.45	Filling Bell	10	SVHVB1010
				Male Luer-Lok®	15	SVHVL10RC
				Male Nipple	15	SVHV01015
					50	SVHV010RS

Stericap™ PLUS Filters



Universal bottle-top devices for filtering 2 to 10 L

- Fits on any vacuum-rated bottle, 20 to 67 mm in diameter
- Vented to help prevent filter air lock
- Features fast-flowing, low protein binding Millipore Express® PLUS membrane
- Ideal for fast sterilization of tissue culture media, serum, buffers, or other biological solutions

Description	Membrane	Pore Size (µm)	Qty/Pk	Cat No.
Stericap™ PLUS Filter	Millipore Express® PLUS (PES)	0.22	10	**SCGPCAPRE**

Millex®-GP 50 mm Pump-Driven Filters

Sterilized and individually packed

Description	Pore Size (µm)	Type	Process Volume (mL)	Hold-up Volume (after air purge, mL)	Sterilization Method	Qty/Pk	Cat No.
50 mm Diameter							
Millipore Express® PLUS (PES) Membrane	0.22	GP50	4000	< 1	RS	10	SLGP05010
		GP50 with filling bell				10	SLGPB5010
Glass Filter for Prefiltration	NA	AP	4000	<1	Autoclavable	10	SLAP05010

†EO = ethylene oxide

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Steripak™ Filters

Pump-driven filters for volumes up to 20 L

Steripak™ filters are designed for larger scale pressure-driven filtration of tissue culture media, with or without serum. The units are single-use and come in two volume sizes. They are supplied sterile and ready to connect to a pump or pressure vessel.



Description	Membrane	Pore Size (µm)	Filter area, cm²	Qty/Pk	Cat No.
Steripak™-GP10 Filter	Millipore Express® (PES)	0.22	100	3	**SPGPM10RJ**
Steripak™-GP20 Filter	Millipore Express® (PES)	0.22	200	3	**SPGPM20RJ**

Hydrophobic Millex® Filters for Gas Filtration

Description	Application	Pore Size (µm)	Sterility	Inlet-Outlet Fitting	Qty/Pk	Cat No.
Millex® 25 mm Diameter Filters						
Hydrophobic PTFE	Vacuum line protection and gas filtration	0.2	Ethylene oxide	FLL-MLS	50	**SLFGR25LS**
				FLL-MLL	50	**SLFGL25BS**
			Autoclavable	FLL-MLS	50	**SLFG02550**
Hydrophobic PVDF	Transducer protector	0.22	Ethylene oxide	FLL-MLL	50	**SLGVSR25US**
Pump-driven Millex® 50 mm Diameter Filters						
Hydrophobic PTFE	Vacuum line protection and gas filtration	0.2	Autoclavable	Stepped Hose Barb	10	**SLFG05010**
					100	**SLFG05000**
				Stepped Hose Barb – 1/8 in. NPTM	10	**SLFG55010**
				1/8 in. NPTM	10	**SLFG75010**
					100	**SLFG75000**
		1.0	Autoclavable	Stepped Hose Barb	10	**SLFA05010**
					100	**SLFA05000**

FLL = Female Luer-Lok®
FLS = Female Luer slip
MLL = Male Luer-Lok®
MLS = Male Luer slip

Test Kit

Description	Cat No.
Integrity test kit for bubble-point testing of small filter units, such as Millex® and Sterivex® units	**SLTEST000**

Accessories for Stericup® and Steritop® Systems

For pressure-driven filtration (such as Steripak® and Sterivex®), pressure vessels and pressure peristaltic pumps are available. Please contact Technical Service for further information.

Description	Size	Qty/Pk	Cat No.
Glass fiber prefilters	75 mm	100/pk	**AP2007500**
Silicone rubber tubing, 3/16 in. (4.8 mm) ID, with adapter	4.5 ft (1.4 m)	1/pk	**XX7100004**
Vacuum/Pressure Pump 115 V, 60 Hz	N/A	1/pk	**WP6111560**
Vacuum/Pressure Pump 100 V, 50/60 Hz	N/A	1/pk	**WP6110060**
Vacuum/Pressure Pump 220 V, 50 Hz	N/A	1/pk	**WP6122050**
Millivac-Maxi Vacuum Pump, 230 V	N/A	1/pk	**SD1P014M04**
Millivac-Mini Vacuum Pump, 230 V	N/A	1/pk	**XF5423050**
Millivac Mini Vacuum Pump, 115 V	N/A	1/pk	**XX5411560**

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Related Products: Multiwell Plates

MultiScreen®$_{HTS}$ Filter Plates

Automation-compatible MultiScreen® filter plates that contain a microporous membrane are ideal for clarifying samples or separating suspensions in diverse workflows, including sample clean-up prior to instrument analysis, removal of cellular debris, extraction of natural products and bead washing for immunoassay procedures.

Membrane	Pore Size	Type	Well Number	Plate Color	Plate Material	Qty/Pk	Cat. No.
Hydrophilic Durapore® PVDF	0.22 µm	GV	96	Clear	Acrylic	10	**MSGVS2210**
	0.45 µm	HV	96	Clear	Styrene	10	**MSHVS4510**
	1.2 µm	BV	96	Clear	Styrene	10	**MSBVS1210**
Hydrophobic Immobilon®-P PVDF	0.45 µm	IP	96	Clear	Acrylic	10	**MSIPS4510**
	0.45 µm	IP	96	White	Acrylic	10	**MSIPS4W10**
Hydrophilic MCE	0.45 µm	MCE	96	Clear	Styrene	10	**MSHAS4510**
	0.45 µm	MCE	96	White	Barex®/TiO2	10	**MSHAS4B10**

Millicell® Microporous Membrane-Based Cell Culture Plates

Millicell® plates feature membranes that allow easy access to both the apical and basolateral sides of cells. This encourages three-dimensional growth and provides a more accurate *in vitro* model than traditional plastic plates. Both the 24-well and 96-well cell culture plates incorporate patented design features simplifying media exchange for high performance cell-based assays. The plates simplify handling of multiple samples simultaneously, maintain assay integrity, and prevent monolayer disruption during analysis. The assemblies include a choice of a multi-well or single-well feeder tray.

Membrane	Pore Size	Plate Material	Qty/Pk	Cat. No.
Millicell®-24 cell culture plate	24-well cell culture plate, 24-well receiver tray and lid	PCF (3.0 µm)	5	**PSST010R5**
		PCF (5.0 µm)	5	**PSMT010R5**
		PCF (8.0 µm)	5	**PSET010R5**
	24-well cell culture plate, single-well feeder tray and lid	PCF (0.4 µm)	5	**PSHT010R5**
		PET (1.0 µm)	5	**PSRP010R5**
Millicell®-96 cell culture plate	96-well cell culture plate, 96-well receiver tray and lid	PCF (0.4 µm)	5	**PSHT004S5**
	96-well cell culture plate, single-well feeder tray and lid	PCF (0.4 µm)	5	**PSHT004R5**
		PET (1.0 µm)	5	**PSRP004R5**

Custom MultiScreen® Filter Plates

In need of customized plates? We'll create the perfect plate for your assay, with a combination of filter membrane, housing material and other required specifications.

For more information about MultiScreen® filter plates, please visit:
SigmaAldrich.com/multiscreen



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