

Sterile Millex® SYRINGE FILTERS YOU CAN TRUST.



Research Applications

Tissue culture media and additives / Buffers / DMSO / Biological solutions

Medical Applications

Drugs / Vitamins / Clinical solutions

Membrane	Pore size (µm)	Diameter (mm)	Process Volume (hold-up)	Housing and Sterilization method	CE	M	Vented Inlet	50 units/pk	100 units/pk	250 units/pk	1000 units/pk
PVDF Durapore® Membrane Lowest binding membrane for protein rich solutions	0.1 µm Sterile filtration & Mycoplasma removal	33 mm	100 mL (< 100 µL)	Modified Acrylic, RS	✓			SLVV033RS			
						✓		SLVVM33RS			
	0.22 µm Sterile filtration	33 mm	100 mL (< 100 µL)	Modified Acrylic, RS	✓			SLGV033RS		SLGV033RB	SLGV033RK
							✓	SLGVM33RS			
		25 mm	100 mL (< 100 µL)	PVC, EO	✓	✓	✓	SLGVV255F			
							✓	SLGV0250S*			
		13 mm	10 mL (< 25 µL)	HDPE, EO	✓				SLGV013SL		
		4 mm	1 mL (< 10 µL)	HDPE, EO					SLGV004SL		
	0.45 µm Clarification of sterile solutions	33 mm	100 mL (< 100 µL)	Modified Acrylic, RS	✓			SLHV033RS		SLHV033RB	SLHV033RK
							✓	SLHVM33RS			
13 mm		10 mL (< 25 µL)	HDPE, EO	✓				SLHV013SL			
	4 mm	1 mL (< 10 µL)	HDPE, EO					SLHV004SL			
5.0 µm Clarification of sterile solutions	25 mm	100 mL (< 100 µL)	PVC, EO				SLSV025LS				
PES Millipore Express® PLUS Fast flow and low binding for cell culture media preparation	0.22 µm Sterile filtration	33 mm	200 mL (< 100 µL)	Modified Acrylic, RS	✓			SLGP033RS		SLGP033RB	SLGP033RK
							✓	SLGPM33RS			
		25 mm	100 mL (< 100 µL)	PVC, EO	✓			SLMPL255S*			
							✓	SLMP025SS			
	0.45 µm Clarification of sterile solutions	33 mm	200 mL (< 100 µL)	Modified Acrylic, RS	✓			SLHP033RS		SLHP033RB	
						✓	SLHP033RS				
MCE MF-Millipore™ Most referenced general purpose membrane	0.22 µm Sterile filtration	33 mm	100 mL (< 100 µL)	Modified Acrylic, RS	✓			SLGS033SS		SLGS033SB*	
							✓	SLGSM33SS			
		25 mm	100 mL (< 100 µL)	PVC, EO				SLGSV255F SLGL0250S*			
	0.45 µm Clarification of sterile solutions	33 mm	100 mL (< 100 µL)	Modified Acrylic, RS	✓			SLHA033SS		SLHA033SB	
							✓	SLHAM33SS			
	0.80 µm Clarification of sterile solutions	33 mm	100 mL (< 100 µL)	Modified Acrylic, RS	✓			SLAA033SS		SLAA033SB	
							✓	SLAAM33SS			
	25 mm	100 mL (< 100 µL)	PVC, EO	✓		✓					
PTFE Hydrophilic Broad chemical compatibility	0.2 µm Sterile filtration of DMSO	13 mm	10 mL (< 25 µL)	HDPE, EO					SLLG013SL		
		25 mm	100 mL (< 100 µL)	HDPE, EO					SLLG025SS		

CE = CE Marked M = Medical device *Male Luer-Lok™ outlet

HDPE = High-density polyethylene, PVC = Polyvinyl chloride, RS = Radiosterilized, EO = Ethylene Oxide

Venting and Gas Filtration

Sterile filtering gases / Venting sterile containers / In-line vacuum pump protection / Transducer protection

	Pore size (µm)	Diameter (mm)	Housing and Sterilization method	Inlet connection	Outlet connection	CE	10 units/pk	25 units/pk	50 units/pk	100 units/pk	
PVDF Durapel™ Membrane Super hydrophobic membrane for Transducer protection	0.22 µm	25 mm	PVC, EO	FLL	MLS	✓			SLGVS25PS SE2M407H0**		
					MLL	✓		SLGVS25US SLGVS25XS			
					Spike	✓		SLGVS25LS			
PTFE Fluoropore™ Membrane Hydrophobic chemistry for gas filtration	0.20 µm	25 mm	PVC, EO	FLL	MLS	✓			SLFG025LS		
					MLL			SLFGL25BS			
					Needle	✓		SLFGN25VS			
				PP, Autoclavable	FLL	MLS			SLFG02550		
	0.20 µm	50 mm	PP, Autoclavable	SHB	SHB	SHB		SLFG05010			
						1/8 in. NPTM		SLFG55010			
						SHB (latex)	1/8 in. NPTM	SLFG65010		SLFG65000	
						1/8 in. NPTM	1/8 in. NPTM	SLFG75010		SLFG75000	
						SHB (silicone)	SHB (silicone)	SLFG85010		SLFG85000	
	0.45 µm	50 mm	PP, Autoclavable	SHB	SHB		SLFH05010		SLFH05000		
1.0 µm	50 mm	PP, Autoclavable	SHB	SHB		SLFA05010		SLFA05000			

CE = CE Marked

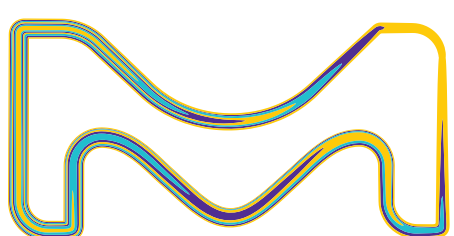
**Solvent resistant housing

PVC = Polyvinyl Chloride, PP = Polypropylene, EO = Ethylene Oxide

FLL = Female Luer-Lok™ outlet, FLS = Female Luer slip, MLL = Male Luer-Lok™ outlet, MLS = Male Luer slip, SHB = Stepped Hose Barb

To learn more, please visit:
www.millipore.com/millex

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Non-Sterile Millex® SYRINGE FILTERS YOU CAN TRUST.



Chromatography

HPLC, IC, GC / General particle removal / Industrial / Environmental

Membrane	Diameter (mm)	Pore Size (µm)	Process Volume (hold-up)	50 units/pk	100 units/pk	250 units/pk	1000 units/pk	
PTFE Hydrophilic Millipore® LCR Membrane Lowest extractables and excellent solvent resistance	4	0.20	1 mL (< 10 µL)		SLLGR04NL			
		0.45	1 mL (< 10 µL)		SLLHR04NL			
	13	0.20	10 mL (≤ 15 µL)		SLLGX13NL		SLLGX13NK	
		0.45	10 mL (≤ 15 µL)		SLCRX13NL SLCRX13TL*		SLCRX13NK	
	33	0.20	100 mL (≤ 80 µL)		SLLG033NS		SLLG033NB SLLG033NK	
		0.45	100 mL (≤ 80 µL)		SLCR033NS		SLCR033NB SLCR033NK	
PTFE Hydrophilic IC Millex® Filters Low IC extractables/Ion Chromatography Certified	13	0.20	10 mL (≤ 25 µL)		SLLGC13NL			
		0.45	10 mL (≤ 25 µL)		SLLHC13NL			
	25	0.20	100 mL (≤ 100 µL)		SLLGC25NS			
		0.45	100 mL (≤ 100 µL)		SLLHC25NS			
	PTFE Hydrophobic Fluoropore™ Membrane Excellent solvent resistance	4	0.20	1 mL (< 10 µL)		SLFGR04NL		
			0.45	1 mL (< 10 µL)		SLFHR04NL		
13		0.20	10 mL (≤ 15 µL)		SLFGX13NL SLFGX13TL*		SLFGX13NK	
		0.45	10 mL (≤ 15 µL)		SLFHX13NL SLFHX13TL*		SLFHX13NK	
33		0.20	100 mL (≤ 80 µL)		SLFG033NS		SLFG033NB SLFG033NK	
		0.45	100 mL (≤ 80 µL)		SLFH033NS		SLFH033NB SLFH033NK	
PVDF Durapore® Membrane Low-protein binding	4	0.22	1 mL (< 10 µL)		SLGVR04NL		SLGVR04NK	
		0.45	1 mL (< 10 µL)		SLHVR04NL		SLHVR04NK	
	13	0.22	10 mL (≤ 15 µL)		SLGVX13NL SLGVX13TL*		SLGVX13NK	
		0.45	10 mL (≤ 15 µL)		SLHVX13NL SLHVX13TL*		SLHVX13NK	
	33	0.22	100 mL (≤ 80 µL)		SLGV033NS		SLGV033NB SLGV033NK	
		0.45	100 mL (≤ 80 µL)		SLHV033NS		SLHV033NB SLHV033NK	
Nylon Membrane Broad chemical compatibility	13	0.20	10 mL (≤ 15 µL)		SLGNX13NL SLGNX13TL*		SLGNX13NK	
		0.45	10 mL (≤ 15 µL)		SLHNX13NL SLHNX13TL*		SLHNX13NK	
	33	0.20	100 mL (≤ 80 µL)		SLGN033NS		SLGN033NB SLGN033NK	
		0.45	100 mL (≤ 80 µL)		SLHN033NS		SLHN033NB SLHN033NK	
	PES Millipore Express® Membrane Fastest flow, high throughput	13	0.22	10 mL (≤ 15 µL)		SLGPX13NL		SLGPX13NK
			0.45	10 mL (≤ 15 µL)		SLHPX13NL		SLHPX13NK
33		0.22	100 mL (≤ 80 µL)		SLGP033NS		SLGP033NB SLGP033NK	
		0.45	100 mL (≤ 80 µL)		SLHP033NS		SLHP033NB SLHP033NK	
25		0.22	100 mL (≤ 100 µL)				SLGS025NB [†] SLHA025NK [†]	
		0.45	100 mL (≤ 100 µL)				SLHA025NB [†] SLAA025NK [†]	
MCE General laboratory filtration of aqueous solutions	25	0.22	100 mL (≤ 100 µL)			SLGS025NB [†]	SLHA025NK [†]	
		0.45	100 mL (≤ 100 µL)			SLGS025NB [†]	SLHA025NK [†]	
		0.8	100 mL (≤ 100 µL)			SLAA025NB [†]	SLAA025NK [†]	

Automation Compatible

Dissolution testing / HPLC sample prep

Membrane	Diameter (mm)	Pore Size (µm)	Process Volume (hold-up)	200 (8 x 25) units/pk	1000 units/pk
Durapore® Membrane (PVDF)	25	0.45	100 mL (≤ 100 µL)	SLHVDZ5NZ	SLHVDZ5NK
Millipore® LCR Membrane (Hydrophilic PTFE)	25	0.20	100 mL (≤ 100 µL)	SLLGDZ5NZ	SLLGDZ5NK
		0.45	100 mL (≤ 100 µL)	SLCRDZ5NZ	SLCRDZ5NK
Nylon Membrane	25	0.20	100 mL (≤ 100 µL)	SLGNDZ5NZ	SLGNDZ5NK
		0.45	100 mL (≤ 100 µL)	SLHNDZ5NZ	SLHNDZ5NK
Glass Fiber Filter	25	1.00	100 mL (≤ 250 µL)	SLPBDZ5NZ	SLPBDZ5NK
Durapore® Membrane (PVDF) with glass fiber prefilter	25	0.45	100 mL (≤ 250 µL)	SLHVBZ5NZ	SLHVBZ5NK
Millipore® LCR Membrane (Hydrophilic PTFE) with glass fiber prefilter	25	0.45	100 mL (≤ 250 µL)	SLCRBZ5NZ	SLCRBZ5NK
Nylon Membrane with glass fiber prefilter	25	0.45	100 mL (≤ 250 µL)	SLHNBZ5NZ	SLHNBZ5NK

High Particulate Filtration & Automation Compatible

Chromatography sample preparation / Wine analysis / General particulate removal / Industrial / Environmental

Membrane	Diameter (mm)	Pore Size (µm)	Process Volume (hold-up)	50 units/pk	200 (8 x 25) units/pk	1000 units/pk
Millipore® LCR (Hydrophilic PTFE) with graduated multi-layer glass fiber prefilter	25	0.20	100 mL (< 250 µL)	SLLGM25NS		SLLGM25NK
		0.45	100 mL (< 250 µL)	SLCRM25NS		SLCRM25NK
Durapore® (PVDF) with graduated multi-layer glass fiber prefilter	25	0.45	100 mL (< 250 µL)	SLHVM25NS	SLHVMZ5NZ	SLHVM25NK
Nylon Membrane with graduated multi-layer glass fiber prefilter	25	0.20	100 mL (< 250 µL)	SLGNM25NS		SLGNM25NK
		0.45	100 mL (< 250 µL)	SLHNM25NS		SLHNM25NK

Housing Materials (non-sterile)

Application	4 mm	13 mm	25 mm	33 mm	Millex Smplicity® Filters
Chromatography, automation, high-particulate filtration	High density polyethylene	Polypropylene High density polyethylene	High density polyethylene *PVC where noted	Polypropylene	Polypropylene

Inlet Fittings: Female Luer-Lok™ Outlet Fittings: Male Luer Slip, Male Stepped (4 mm filters), and *Tube outlet where noted.

Smplicity® G2 Filtration System for HPLC Samples (The better way to use Millex® Filters)

A vacuum filtration system that allows simultaneous filtration of multiple samples (1-8) directly into standard sized HPLC, UPLC, GC, sample vials (12 x 32 mm). The Smplicity® G2 filtration system is a faster and easier way to use Millex® 33 mm syringe filters when filtering multiple samples.

Millex® Filters for the Smplicity® G2 System

Membrane	Pore Size (µm)	250 units/pk	1000 units/pk
Hydrophilic PTFE	0.20	SAMP2LGNB	SAMP2LGNK
	0.45	SAMP2LCRB	SAMP2LCRK
Durapore® Membrane (PVDF)	0.22	SAMP2GVNB	SAMP2GVNK
	0.45	SAMP2HVN	SAMP2HVNK
Nylon	0.20	SAMP2GNB	SAMP2GNK
	0.45	SAMP2HNNB	SAMP2HNNK
PES	0.22	SAMP2GPNB	SAMP2GPNK
	0.45	SAMP2HPNB	SAMP2HPNK

Millex Smplicity® Filters

Membrane	Pore Size (µm)	96 units/pk	384 units/pk
Hydrophilic PTFE	0.20	SAMPLG001	SAMPLG004
	0.45	SAMPLCR01	SAMPLCR04

Smplicity® System and Accessories

Smplicity® G2 System	SAMP2SYSB
Vial Trays	SAMVIALTR
Waste Trays	SAMWASTTR
Tube Set Assembly	SAMTUBING
Replacement Lid	SAMP2LID



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