MERCK MILLIPORE

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	Ⓜ	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			
		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	√		SLMPL25SS*			
						√	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			
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 Ⓜ = 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	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	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

**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
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
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
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 (< 25 µL)		SLLGH13NL		SLLGH13NK
		0.45	10 mL (< 25 µL)		SLCR013NL SLCRT13NL*		SLCR013NK
	25	0.20	100 mL (< 100 µL)	SLLGH25NS		SLLGH25NB	SLLGH25NK
		0.45	100 mL (< 100 µL)	SLCR025NS		SLCR025NB	SLCR025NK
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
	25	0.20	100 mL (< 100 µL)	SLFG025NS		SLFG025NB	SLFG025NK
		0.45	100 mL (< 100 µL)	SLFH025NS		SLFH025NB	SLFH025NK

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
Nylon Membrane	25	0.20	100 mL (< 100 µL)	SLGNDZ5NZ	SLGNDZ5NK
		0.45	100 mL (< 100 µL)	SLHNDZ5NZ	SLHNDZ5NK
Millipore® LCR Membrane (Hydrophilic PTFE)	25	0.20	100 mL (< 100 µL)	SLLGDZ5NZ	SLLGDZ5NK
		0.45	100 mL (< 100 µL)	SLCRDZ5NZ	SLCRDZ5NK
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	SLHNMZ5NZ	SLHNM25NK

Samplicity® Filtration System and Millex Samplicity® Filters
A vacuum filtration system that allows filtration of multiple samples (1-8) directly into the standard sized HPLC, UPLC, GC sample vials (12 x 32 mm)

Samplicity® System and Accessories	
Bold Blue System	SAMPSYSBL
Glossy Green System	SAMPSYSGR
Vial Trays	SAMVIALTR
Waste Trays	SAMWASTTR
Tube Set Assembly	SAMTUBING
Replacement Lid	SAMSYSLID

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

Housing Materials (non-sterile)

Application	4 mm	13 mm	25 mm	33 mm	Millex Samplicity® Filters
Chromatography, automation, high-particulate filtration	High density polyethylene	Polypropylene High density polyethylene	High density polyethylene	Polypropylene	Polypropylene

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

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