

Sterile Millex® syringe filters you can trust.



Research Applications:

Sterile filtration of tissue culture media and additives / Buffers / DMSO / Biological solutions

Membrane	Pore Size (µm)	Diameter (mm)	Process Volume (hold-up)	Housing, sterilization method	Connections (inlet outlet)	10 PK	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	HB HB	SLGP05010		SLHPR33RS	SLHPR33RB	
						HB HB with filling bell	SLGPB5010				
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	
	13	10 mL (< 25 µL)	HDPE, EO	FLL MLS				SLGVR13SL			
	0.45	33	100 mL (< 100 µL)	Modified acrylic, RS	FLL MLS			SLGVR33RS		SLGVR33RB	
						4	1 mL (< 10 µL)	HDPE, EO	FLL Male stepped		
	0.5	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			SLGVS25US		
	MCE MF-Millipore™ Membrane Most referenced general purpose membrane	0.22	33	100 mL (< 100 µL)	Modified acrylic, RS	FLL MLS			SLGSR33SS		SLGSR33SB
0.45							33	100 mL (< 100 µL)	Modified acrylic, RS	FLL MLS	
0.8		33	100 mL (< 100 µL)	Modified acrylic, RS	FLL MLS		SLAAR33SS	SLAAR33SB			
Hydrophilic PTFE Membrane Broad chemical compatibility	0.2	25	100 mL (< 100 µL)	HDPE, EO	FLL MLS			SLLG025SS		SLLG013SL	
PTFE Fluoropore™ Membrane Hydrophobic for gas and alcohol filtration	0.2	25	100 mL (< 100 µL)	PVC, EO	FLL MLL			SLFGR25LS			
					FLL MLL			SLFGL25BS			
					FLL MLS with Needle			SLFGNR25VS			

Medical Applications*: CE marked and/or FDA approved for medical intended use.

Membrane	Pore Size (µm)	Diameter (mm)	Process Volume (hold-up)	Housing, sterilization method	Connections (inlet outlet)	CE	FDA (US)	25 PK	50 PK	100 PK	250 PK	
PES Millipore Express® Plus Membrane Fast flow and low binding	0.22	25	100 mL (< 100 µL)	PVC, EO	FLL MLS	✓	✓	SLMP025SS				
					FLL MLL	✓	✓	SLMPL25SS				
	0.45	33	200 mL (< 100 µL)	Modified acrylic, RS	FLL MLS	✓	✓	SLGP033RS			SLGP033RB	
						✓	✓	SLGPM33RS				
PVDF Durapore® Membrane Lowest protein binding	0.1	33	100 mL (< 100 µL)	Modified acrylic, RS	FLL MLS	✓	✓	SLHP033RS			SLHP033RB	
						✓	✓	SLHPM33RS				
	0.22	13	10 mL (< 25 µL)	HDPE, EO	FLL MLS	✓	✓			SLGV013SL		
						Vented FLL MLS	✓	✓	SLGVV255F			
		25	100 mL (< 100 µL)	PVC, EO	Modified acrylic, RS	FLL MLS	✓	✓	SLGV0250S			
							Vented FLL MLL	✓	✓	SLGV033RS		
0.45	33	100 mL (< 100 µL)	Modified acrylic, RS	FLL MLS	✓	✓	SLGVM33RS					
					✓	✓			SLHV013SL			
PVDF Durapel™ Membrane Superhydrophobic for vial venting and transducer protection	0.22	25	N/A	PVC, EO	FLL Vial Spike	✓	✓	SLGVS25LS				
					FLS MLS	✓	✓	SLGVS25XS				
					FLL MLS	✓	✓	SLGVS25PS				
					FLL MLL	✓	✓	SLGVS25US				
	0.22	25	100 mL (< 100 µL)	PVC, EO	Vented FLL MLS	✓	✓	SLGSV255F				
					FLL MLL	✓	✓	SLGL0250S				
	0.45	33	100 mL (< 100 µL)	Modified acrylic, RS	FLL MLS	✓	✓	SLGS033SS			SLGS033SB	
						✓	✓	SLGSM33SS				
	MCE MF-Millipore™ Membrane Most referenced general purpose membrane	0.45	33	100 mL (< 100 µL)	Modified acrylic, RS	FLL MLS	✓	✓	SLHA033SS			SLHA033SB
							✓	✓	SLHAM33SS			
0.8		33	100 mL (< 100 µL)	PVC, EO	Modified acrylic, RS	FLL MLS	✓	✓	SLAAV255F			
							✓	✓	SLAA033SS			SLAA033SB
PTFE Fluoropore™ Membrane Hydrophobic for venting and gas filtration	0.2	25	100 mL (< 100 µL)	PVC, EO	FLL MLS	✓	✓	SLFG025LS				
					FLL MLS with Needle	✓	✓	SLFGN25VS				

*Medical devices are only sold in countries where they are registered. Please contact your local customer support team for availability.

Venting and Gas Filtration:

Autoclavable for sterile-filtering gases / Venting sterile containers / In-line vacuum pump protection

Membrane	Pore size (µm)	Diameter (mm)	Housing and Sterilization method	Inlet connection	Outlet connection	10 PK	25 PK	50 PK	100 PK	
PTFE Fluoropore™ Membrane Hydrophobic chemistry for gas filtration	0.20 µm	25 mm	PP, Autoclavable	FLL	MLS			SLFG02550		
				HB	HB	SLFG05010				
	0.20 µm	50 mm	PP, Autoclavable	HB (latex)	1/8 in. NPTM	1/8 in. NPTM	SLFG55010			
					1/8 in. NPTM	1/8 in. NPTM	SLFG65010			SLFG65000
					1/8 in. NPTM	1/8 in. NPTM	SLFG75010			SLFG75000
					HB (silicone)	HB (silicone)	SLFG85010			SLFG85000
0.45 µm	50 mm	PP, Autoclavable	HB	HB	SLFH05010			SLFH05000		
1.0 µm	50 mm	PP, Autoclavable	HB	HB	SLFA05010			SLFA05000		

CE = CE Marked

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

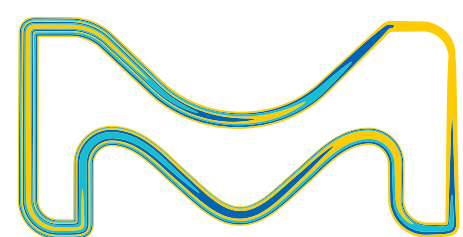
HDPE = High-density polyethylene

FLL = Female Luer-Lok™ outlet, FLS = Female Luer slip, MLL = Male Luer-Lok™ outlet, MLS = Male Luer slip,

HB = Stepped 1/2-1/4 in. Hose Barb

NPTM = National Pipe Thread Male

See more on back side.



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
MCE General laboratory filtration of aqueous solutions	25	0.22	100 mL (≤ 100 µL)			SLGS025NB*	
		0.45	100 mL (≤ 100 µL)			SLHA025NB*	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	SLHNMZ5NZ	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	SAMP2GNNB	SAMP2GNNK
	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



To learn more, please visit:
SigmaAldrich.com/OneMillex

