Millipore®

Preparation, Separation,
Filtration & Monitoring Products

MERCK

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**
		50	4-8 L	Acrylic, RS	HB | HB	**SLGP05010**				
					HB | HB with filling bell	**SLGPB5010**				
	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**			

Medical Applications*: CE marked and/or FDA registered 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**		
		33	200 mL (< 100 µL)	Modified acrylic, RS	FLL | MLS	✓			**SLGP033RS**		**SLGP033RB**
						✓	✓		**SLGPM33RS**		
	0.45	33	200 mL (< 100 µL)	Modified acrylic, RS	FLL | MLS	✓			**SLHP033RS**		**SLHP033RB**
						✓	✓		**SLHPM33RS**		
PVDF Durapore® Membrane Lowest protein binding	0.1	33	100 mL (< 100 µL)	Modified acrylic, RS	FLL | MLS	✓			**SLVV033RS**		
						✓	✓		**SLVVM33RS**		
	0.22	13	10 mL (< 25 µL)	HDPE, EO	FLL | MLS	✓	✓			**SLGV013SL**	
		25	100 mL (< 100 µL)	PVC, EO	Vented FLL | MLS	✓	✓		**SLGVV255F**		
					Vented FLL | MLL	✓	✓		**SLGV0250S**		
		33	100 mL (< 100 µL)	Modified acrylic, RS	FLL | MLS	✓			**SLGV033RS**		**SLGV033RB**
						✓	✓		**SLGVM33RS**		
	0.45	13	10 mL (< 25 µL)	HDPE, EO	FLL | MLS	✓	✓			**SLHV013SL**	
		33	100 mL (< 100 µL)	Modified acrylic, RS	FLL | MLS	✓			**SLHV033RS**		**SLHV033RB**
						✓	✓		**SLHVM33RS**		
	5.0	25	100 mL (< 100 µL)	PVC, EO	FLL | MLS	✓	✓		**SLSV025LS**		
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**		
MCE MF-Millipore™ Membrane Most referenced general purpose membrane	0.22	25	100 mL (< 100 µL)	PVC, EO	Vented FLL | MLS	✓	✓		**SLGSV255F**		
					FLL | MLL	✓	✓		**SLGL0250S**		
		33	100 mL (< 100 µL)	Modified acrylic, EO	FLL | MLS	✓			**SLGS033SS**		**SLGS033SB**
						✓	✓		**SLGSM33SS**		
	0.45	33	100 mL (< 100 µL)	Modified acrylic, EO	FLL | MLS	✓			**SLHA033SS**		**SLHA033SB**
						✓	✓		**SLHAM33SS**		
	0.8	25	100 mL (< 100 µL)	PVC, EO	Vented FLL | MLS	✓	✓		**SLAAV255F**		
		33	100 mL (< 100 µL)	Modified acrylic, EO	FLL | MLS	✓			**SLAA033SS**		**SLAA033SB**
						✓	✓		**SLAAM33SS**		
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**	
	0.20 µm	50 mm	PP, Autoclavable	HB	HB	**SLFG05010**			
					1/8 in. NPTM	**SLFG55010**			
				HB (latex)	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.

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

DOMINIQUE DUTSCHER SAS

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†**

† PVC Housing

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	1.0	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 Samplicity® 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.

Samplicity® 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 × 32 mm). The Samplicity® G2 filtration system is a faster and easier way to use Millex® 33 mm syringe filters when filtering multiple samples.

Millex® Filters for the Samplicity® 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	**SAMP2HVNB**	**SAMP2HVNK**
Nylon	0.20	**SAMP2GNNB**	**SAMP2GNNK**
	0.45	**SAMP2HNNB**	**SAMP2HNNK**
PES	0.22	**SAMP2GPNB**	**SAMP2GPNK**
	0.45	**SAMP2HPNB**	**SAMP2HPNK**

Millex Samplicity® Filters

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

Samplicity® System and Accessories

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



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

DOMINIQUE DUTSCHER SAS

© 2023 Merck KGaA, Darmstadt, Germany and/or its affiliates. All Rights Reserved. Merck, Millex, Durapore, Samplicity, Millex Samplicity and Millipore Express are registered trademarks and Durapel, Fluoropore and MF-Millipore are trademarks of Merck KGaA, Darmstadt, Germany. All other trademarks are the property of their respective owners.

MK_PS2549EN Ver. 5.0 47657 12/2023