

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 | 33 | 200 mL (< 100 µL) | Modified acrylic, RS | FLL MLS | | | SLGPR33RS | | SLGPR33RB |
| | | 50 | 4-8 L | Acrylic, RS | HB HB | SLGP05010 | | | | |
| | 0.45 | 33 | 200 mL (< 100 µL) | Modified acrylic, RS | FLL MLS | | | SLHPR33RS | | SLHPR33RB |
| | | 50 | 4-8 L | Acrylic, RS | 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 | | |
| | | 4 | 1 mL (< 10 µL) | HDPE, EO | FLL Male stepped | | | | SLGV004SL | |
| | 0.22 | 13 | 10 mL (< 25 µL) | HDPE, EO | FLL MLS | | | | SLGVR13SL | |
| | | 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 | |
| | 0.22 | 33 | 100 mL (< 100 µL) | Modified acrylic, RS | FLL MLS | | | SLHVR33RS | | SLHVR33RB |
| | | 50 | 4-8 L | Acrylic, RS | HB HB with filling bell | SLGPB5010 | | | | |
| MCE MF-Millipore™ Membrane Most referenced general purpose membrane | 0.45 | 33 | 100 mL (< 100 µL) | Modified acrylic, EO | FLL MLS | | | SLGSR33SS | | SLGSR33SB |
| | | 50 | 4-8 L | Acrylic, EO | HB HB with filling bell | SLGPB5010 | | | | |
| | 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 MLL | | | SLFGL25BS | | |

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 | | |
| | 0.45 | 33 | 200 mL (< 100 µL) | Modified acrylic, RS | FLL MLS | ✓ | ✓ | | SLGP033RS** | | SLGP033RB** |
| | | | | | | ✓ | ✓ | | SLGPM33RS | | |
| | 0.1 | 33 | 100 mL (< 100 µL) | Modified acrylic, RS | FLL MLS | ✓ | ✓ | | SLHP033RS** | | SLHP033RB** |
| | | | | | | ✓ | ✓ | | SLHPM33RS | | |
| PVDF Durapore® Membrane Lowest protein binding | 0.22 | 13 | 10 mL (< 25 µL) | HDPE, EO | FLL MLS | ✓ | ✓ | | | SLGV013SL | |
| | | | | | | ✓ | ✓ | | SLGVV255F | | |
| | 0.45 | 33 | 100 mL (< 100 µL) | Modified acrylic, RS | FLL MLS | Vented FLL MLS | ✓ | ✓ | | SLGV0250S | |
| | | | | | | Vented FLL MLL | ✓ | ✓ | | SLGV033RS** | |
| | 0.22 | 25 | 100 mL (< 100 µL) | PVC, EO | FLL MLS | ✓ | ✓ | | SLGVM33RS | | |
| | | | | | | ✓ | ✓ | | SLHVM33RS | | |
| | 0.45 | 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 | | |
| | | | | | | ✓ | ✓ | | SLGVS25LS** | | |
| PVDF Durapel™ Membrane Superhydrophobic for vial venting and transducer protection | 0.22 | 25 | N/A | PVC, EO | FLL Vial Spike | ✓ | ✓ | | SLGVS25XS | | |
| | | | | | FLL MLL | ✓ | ✓ | | SLGVS25US | | |
| | 0.22 | 25 | 100 mL (< 100 µL) | PVC, EO | FLL MLL | Vented FLL MLS | ✓ | ✓ | | SLGSV255F | |
| | | | | | | ✓ | ✓ | | SLGL0250S | | |
| | 0.45 | 33 | 100 mL (< 100 µL) | Modified acrylic, EO | FLL MLS | ✓ | ✓ | | SLGS033SS** | | SLGS033SB** |
| | | | | | | ✓ | ✓ | | SLGSM33SS | | |
| MCE MF-Millipore™ Membrane Most referenced general purpose membrane | 0.45 | 33 | 100 mL (< 100 µL) | Modified acrylic, EO | FLL MLS | ✓ | ✓ | | SLHA033SS** | | SLHA033SB** |
| | | | | | | ✓ | ✓ | | SLHAM33SS | | |
| | 0.8 | 33 | 100 mL (< 100 µL) | Modified acrylic, EO | FLL MLS | Vented FLL MLS | ✓ | ✓ | | S�AAV255F | |
| | | | | | | ✓ | ✓ | | S�AA033SS | | S�AA033SB |
| 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.

** Sold in Canada Only

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 | PP, Autoclavable | 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 |
| | | | | | 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.

MilliporeSigma is the U.S. and Canada Life Science business of Merck KGaA, Darmstadt, Germany.

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† | | |
| | | 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 | SLHVM25NZ | SLHVM25NK |
| | | 0.20 | 100 mL (< 250 µL) | SLGNM25NS | | SLGNM25NK |
| Nylon Membrane with graduated multi-layer glass fiber prefilter | 25 | 0.20 | 100 mL (< 250 µL) | SLHNM25NS | SLHNM25NZ | SLHNM25NK |
| | | 0.45 | 100 mL (< 250 µL) | | | |

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 | Coming Soon | -- |
| | 0.45 | SAMP2LCRB | -- |
| Durapore® Membrane (PVDF) | 0.22 | SAMP2GVNB | SAMP2GVNK |
| | 0.45 | SAMP2HVN | -- |
| Nylon | 0.20 | Coming Soon | -- |
| | 0.45 | Coming Soon | -- |
| PES | 0.22 | Coming Soon | -- |
| | 0.45 | Coming Soon | -- |

Millex Smplicity® Filters

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

Smplicity® System and Accessories

| | |
|----------------------|------------|
| Smplicity® G2 System | SAMP2SYSB |
| Vial Trays | 09-719-400 |
| Waste Trays | 09-719-401 |
| Tube Set Assembly | 09-719-402 |
| Replacement Lid | SAMP2LID |



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51319 09/2023

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