

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 | ✓ | | | 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 | | | | |
| | 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 | | | 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

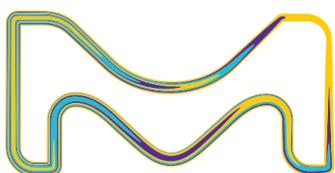
**Solvent resistant housing

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 | |
| 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 | SLHVM25NZ | 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 | SLHNM25NZ | 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 | SAMP2HNVB | 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 |

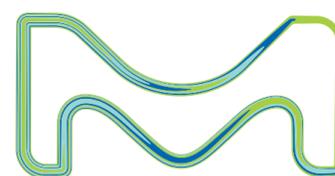
Smplicity® System and Accessories

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



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

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The life science business of Merck operates as
MilliporeSigma in the U.S. and Canada.