

Millex[®] Filter Units with Millipore Express[™] Membrane

■ For fast, low-binding sterilization of small volumes



The latest generation of Millex filters sets a new standard for small volume filtration, with greater performance, convenience, and quality than ever before.

Versatile Millex-GP filters can be used for a variety of applications in the research laboratory, including sterile filtering tissue culture media, additives, buffers, or water.

Faster Flow Rate

New Millex filters are 33 mm in diameter and have 20% more filter surface area than our 25 mm filters. The larger filter surface area increases flow rate and throughput. It also makes it easier to filter solutions because it reduces the pressure required to empty the syringe.

Higher Operating Pressure

New Millex filters have a maximum housing pressure of 150 psig (10 bar), which means you can filter solutions faster than before.

Color-Coded

Millex filters are available with three different membrane polymers, each with different performance characteristics. The color-coded band on the Millex housing clearly indicates which membrane is inside. Millex filters with Millipore Express membrane have a green band.

Manufactured for Reliable Performance

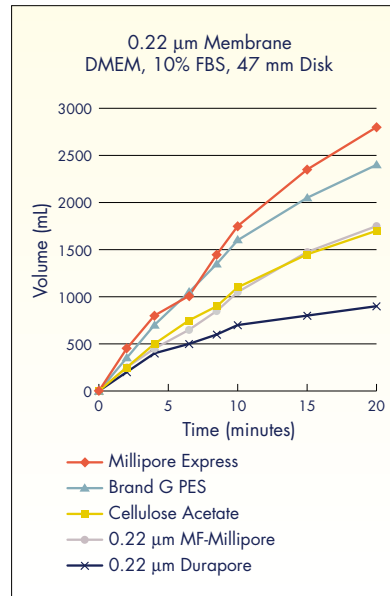
Millex filters are manufactured in a controlled environment using an automated process. Human hands never touch the filter during assembly. A Certificate of Quality included in each box describes Millipore's quality standards in detail.

Low Protein Binding

Millipore Express membrane provides a unique combination of speed and low protein binding. It binds six times less protein than competitive polyethersulfone (PES) membranes, which minimizes the loss of antibiotics, preservatives, and other key proteins. (For lowest protein binding, use Millex filter units with Durapore® membrane.)

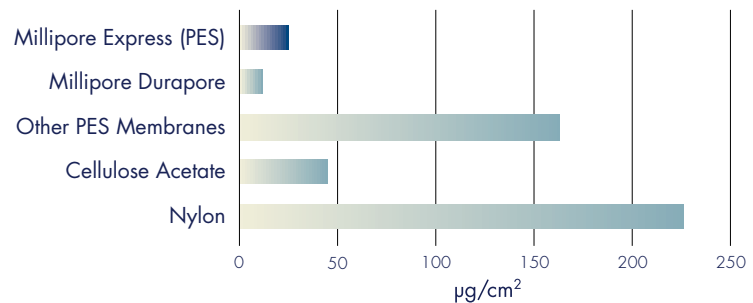
Performance of Millipore Express membrane

Fast flow



47 mm membrane disks with a 0.22 μm pore size were challenged with DMEM with 10% FBS.

Low protein binding



Membrane disks with a 0.22 μm pore size were offered a 1 mg/mL solution of ^{125}I labeled IgG. The chart shows protein binding after incubation (normalized to membrane surface area).

Validation Guide Available

Contact the nearest Millipore office listed on the back cover for more information. Or visit www.millipore.com/millex.

Specifications

Dimensions	
<i>Length (inlet to outlet)</i>	26 mm (1.02 in)
<i>Diameter</i>	33 mm (1.30 in)
Connections	
<i>Inlet</i>	Female Luer-Lok™
<i>Outlet</i>	Male Luer slip
Materials	
<i>Top, base, and outer ring</i>	Modified Acrylic (with colorant in outer ring)
Membrane	Hydrophilic, 0.22 µm, polyethersulfone (PES)
Filtration area	4.52 cm ² (0.70 in ²)
Toxicity	All component parts meet ISO 10993 and USP Class VI Biological tests for plastics.

Ordering Information

New Millex filter units replace older part numbers. The chart below shows how to convert the old part numbers to the new ones.

	Qty/Pk	Old Number	New Number
Millex GP	50	SLGP R25 LS	SLGP 033 RS
	250	SLGP R25 CS	SLGP 033 RB
	1000	SLGP R25 KS	4 x SLGP 033 RB

Millex filter units are also available with mixed cellulose esters or ultra-low protein binding Durapore membrane. The filters are part of a family of vacuum- and pressure-driven devices. Contact Millipore for more information, or visit www.millipore.com/sterile.

To Place an Order or Receive Technical Assistance

For additional information call your nearest Millipore office:

In the U.S. and Canada, call toll-free **1-800-MILLIPORE (1-800-645-5476)**

In the U.S., Canada and Puerto Rico, fax orders to **1-800-MILLIFX (1-800-645-5439)**

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or (02) 9888 8999
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Tel. (01) 877-8926
Fax (01) 877-1654

BALTIC COUNTRIES

Tel. +358 9 804 5110
Fax +358 9 256 5660

BELGIUM AND LUXEMBOURG

Tel. +32 2 726 88 40
Fax +32 2 726 98 84

BRAZIL

Tel. (011) 5548-7011
Fax (011) 5548-7923

CANADA

Tel. 1-800-645-5476
Fax 1-800-645-5439

CHINA, PEOPLE'S REPUBLIC OF

Beijing:
Tel. (8610) 8519 1250
(8610) 6518 1058
Fax (8610) 8519 1255
Guangzhou:
Tel. (8620) 8755 4049
Fax (8620) 8752 0172
Hong Kong:
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Shanghai:
Tel. (8621) 5306 9100
Fax (8621) 5306 0838

CZECH REPUBLIC

Tel. 02-2051 3841
Fax 02-2051 4298

DENMARK

Tel. 70 10 00 23
Fax 70 10 13 14

EASTERN EUROPE, C.I.S., AFRICA, MIDDLE EAST AND GULF

Life Sciences Division:
Tel. +33 3 88 38 9536
Fax +33 3 88 38 9539
BioPharmaceutical Division:
Tel. +43 1 877-8926
Fax +43 1 877-1654
Laboratory Water Division:
Tel. +33 1 30 12 7000
Fax +33 1 30 12 7180

FINLAND

Tel. (09) 804 5110
Fax (09) 256 5660

FRANCE

Tel. 01 30 12 7000
Fax 01 30 12 7180

GERMANY

Tel. (06196) 494-0
Fax (06196) 43901

HUNGARY

Tel. 1-205 9784
Fax 1-205 9792

INDIA

Tel. (91) 80-839 46 57
Fax (91) 80-839 63 45

IRELAND

Life Sciences and Laboratory Water Divisions:
Tel. +44 1923 816375
Fax +44 1923 818297
BioPharmaceutical Division:
Tel. (021) 883 666
Fax (021) 883 048

ITALY

Vimodrone (Milano):
Tel. (02) 25.07.81
Fax (02) 26.50.324
Roma:
Tel. (06) 52.03.600
Fax (06) 52.95.735

JAPAN

Tel. (03) 5442-9711
Fax (03) 5442-9736
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Tel. (787) 273-8495
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Tel. (65) 842 1822
Fax (65) 842 4988

SPAIN AND PORTUGAL

Tel. +34 917 283 960
Fax +34 917 292 909

SWEDEN

Tel. 08-628 6960
Fax 08-628 6457

SWITZERLAND

Volketswil:
Tel. (01) 908-30-60
Fax (01) 908-30-80
Lausanne:
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Fax (021) 641 2551

TAIWAN

Taipei:
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Fax (886-2) 755-3267
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Tel. (886-3) 571-0178
Fax (886-3) 572-9520

U.K.

Tel. 01923 816375
Fax 01923 818297

U.S.A.

Tel. (781) 533-6000
Fax (781) 533-3110

IN ALL OTHER COUNTRIES

Millipore Intertech (U.S.A.)
Tel. +1 (781) 533-8622
Fax +1 (781) 533-8630

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