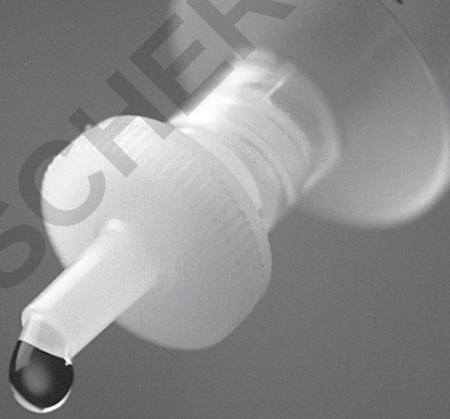
User Guide

Millex®-LG

Sterilizing Filter Unit

(13 mm and 25 mm)



- **Single use only**
- **Sterile**
- **Non-pyrogenic**
- **Do not use this product as an in-line filter for intravenous administration**

SLLG 013 SL (13 mm, 100/box)
SLLG 025 SS (25 mm, 50/box)

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This product is manufactured by:
Millipore Ireland BV,
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Introduction

The sterile 13 millimeter (mm) and 25 mm Millex-LG (also known as DIMEX) units are syringe-operated filter units for the sterilization of solvent or aqueous solutions (column eluates, tissue culture additives, HPLC samples, etc.) in volumes of 10 to 100 milliliters (mL). The solvent-resistant, single-use Millex-LG unit incorporates the 0.2 µm hydrophilic PTFE membrane. Millex-LG filter unit is suitable for use as a syringe filter to sterilize and ultraclean solutions.

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Compatibility Guide

The Millex-LG device is compatible with most aqueous solutions. You may use it to filter the agents listed below. Millipore has developed this guide using technical publications, materials suppliers, laboratory tests, and field evaluations, and we believe it to be reliable. However, due to the different conditions under which the syringe filters are used (variability in temperature, concentrations, duration of exposure, and other factors outside of our control), no warranty is given or implied with respect to such information. You should test the agents that are not listed with the Millex-LG filter unit prior to use.

Solvents		
Acetone	Dimethylformamide	Hexane
Acetonitrile	Dioxane	Hydrogen peroxide
Amyl acetate	DMSO	Isobutyl alcohol
Amyl alcohol	Ethyl alcohol	Isopropyl acetate
Benzyl alcohol (1%)	Ethers	Isopropyl alcohol
Brine (Sea water)	Ethyl acetate	Kerosene
Butyl alcohol	Ethylene glycol	Methyl alcohol
Cellosolve (Ethyl)	Formaldehyde	Methylene chloride
Chloroform	Freon® solvent, TF or PCA	MEK
Cyclohexanone	Gasoline	MBK
Dimethyacetamide	Glycerine	Nitrobenzene

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Compatibility Guide, Continued

Solvents		
Paraldehyde	Phenol	Trichloroethylene
Pet Base Oil	Pyridine	TFA
Pentane	Silicone oils	THF
Perchloroethylene	Toluene	Xylene
Petroleum ether	Trichloroethane	

Acids		
Acetic acid, glacial	Hydrochloric acid (Conc.)	Nitric acid (Conc.)
Acetic acid, 5%	Hydrofluoric acid	Sulphuric acid (Conc.)
Boric acid		

Gas
Helium

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How to Use the Millex-LG

This section lists warnings and cautions and provides steps to use the Millex-LG Filter Unit.

WARNINGS:

- **To ensure sterility, do not use this product if the package is damaged.**
- **Do not use this product as an in-line filter for intravenous administration; it was not designed for that purpose.**
- **Do not use with syringes smaller than 10 cc because pressures in excess of the maximum pressure rating may be reached, potentially causing damage to the filter unit and/or personal injury.**

CAUTIONS:

- Do not resterilize or reuse the Millex-LG filter unit.
- Do not use the Millex-LG filter unit at temperatures above 45 °C (113 °F).
- Do not use the same Millex-LG unit to filter solutions in both directions.
- Do not use the Millex-LG filter unit to filter emulsions or suspensions.
- Do not use the Millex-LG to filter 5 mg or less of active drug materials unless binding studies have been performed.

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Directions

1



Fill the syringe with the solution you want to filter.

2



Remove the cover from the package that contains the sterilizing filter unit using aseptic technique.

3



Attach the syringe to the Millex-LG unit and remove the assembly from the package. (Attach a needle to the Luer outlet if necessary.)

4



Hold the syringe with the filter (and needle if attached) pointing up and top it off by pushing a few drops through. (Do not contaminate the underside of the sterilizing filter unit with your fingers.)

5



Place the filter assembly over the appropriate container and push the plunger to deliver the filtered solution into the container.

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Specifications

Materials	Membrane:	Hydrophilic PTFE 0.2 µm
	Housing:	High density polyethylene (HDPE)
Temperature Limit	45 °C (113 °F) maximum	
Pressure Limit at 25 °C	75 psig inlet and differential maximum	
Hold-Up Volume	after air purge, 13 mm: < 25 µL, 25 mm: < 100 µL	
Sterilization Method	ETO sterilization	
Water Flow Rate at 25 °C, 30psi	13 mm: 30 mL/min. 25 mm: 125 mL/min.	

Dimensions	13 mm Millex	25 mm Millex
Inlet to Outlet	21 mm	26 mm
Diameter	14 mm	28 mm
Filtration Area	0.8 cm^2	4 cm^2

Connections: Female Luer-Lok® inlet; male Luer-slip outlet

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Quality Assurance

100% Integrity Test	All products passed Millipore integrity test.
Toxicity	All parts and membranes used for production are non-toxic.
Lot Control under Quality Standards	All products were controlled by quality standards.
Certification	Product manufactured in ISO9002 certified plant.

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Technical Assistance

For more information, contact the Millipore office nearest you. In the U.S., call **1-800-MILLIPORE** (1-800-645-5476). Outside the U.S., see your Millipore catalogue for the phone number of the office nearest you or go to our web site at www.millipore.com/offices for up-to-date worldwide contact information. You can also visit the tech service page on our web site at www.millipore.com/techservice.

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Standard Warranty

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