

User Guide

Millex®-HA Non-Sterile (25 mm) Syringe Filter

with MF-Millipore™ Membrane

SLHA025NB
SLHA025NK

For research use only

Introduction

The nonsterile Millex®-HA 25 millimeter (mm) syringe filter with male Luer-slip™ outlet is recommended for filtering 10–100 milliliter (mL) volumes to remove particles prior to instrumentation analysis. The single-use, disposable filter removes particles larger than the membrane's rated pore size. The Millex®-HA syringe filter consists of an MCE membrane sealed in a polyvinylidene chloride (PVC) housing and is intended for filtration of aqueous solutions.

How to Use Millex® 25 mm Syringe Filter

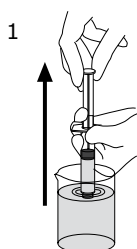
WARNINGS:

- Do not use this product as an in-line filter; it was not designed for long-term continuous use.
- Do not use with syringes smaller than 10 mL because pressures in excess of the maximum pressure rating may be reached, potentially causing damage to the filter and/or personal injury.

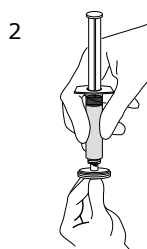
CAUTIONS:

- Do not use the Millex® filter at temperatures above 45 °C (113 °F).
- Do not use the same Millex® syringe filter to filter solutions in both directions.
- Do not use the Millex® syringe filter to filter emulsions or suspensions.
- Do not reuse the Millex® syringe filter, single use only.
- Perform a binding study before use if there is a concern about loss of analyte (proteins, nucleic acids, active pharmaceuticals) due to binding

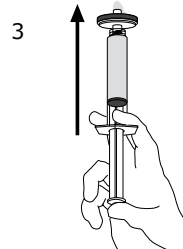
Instructions for Use



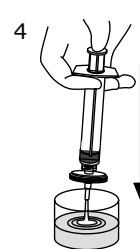
1
Fill syringe with solution to be filtered.



2
Attach syringe to syringe filter.



3
Hold syringe with filter pointing up and "top off" by pushing a few drops through.



4
Push the syringe plunger to deliver the filtered solution.

Optional: To purge the syringe filter and maximize sample throughput, remove the Millex® filter from the syringe and draw air into the syringe. Then reattach the Millex® filter, and push the plunger to force some of the air through the filter.

Specifications

Materials		Temperature limit	45 °C (113 °F)
Membrane	Hydrophilic mixed cellulose esters (MCE)	Housing Pressure at 25 °C	5.2 bar (75 psi) inlet and differential
Housing	Polyvinyl chloride (PVC)	Filtration volume	10–100 mL
Dimensions		Hold-up volume	≤ 0.1 mL after air purge
Inlet to outlet	25 mm (0.98 in.)	Connections	Female Luer-Lok™ inlet; male Luer-slip outlet
Diameter	29 mm (1.14 in.)	Flow rate at 2.1 bar (30 psi), 21 °C	≥ 180 mL/min
Filtration area	4 cm ² (0.62 in ²)		

Chemical Compatibility

Millex-HA® MCE syringe filters are only compatible with aqueous solutions and gases. This information was developed from technical publications, materials suppliers, and laboratory tests, and is believed to be accurate and reliable. However, because of variability in temperature, concentrations, exposure time, and other factors beyond our control that may affect the use of the filter, no warranty is provided or implied with respect to such information.

Product Ordering

Purchase products online at www.sigmaaldrich.com/products.

Description	Pore Size, µm	Membrane	Cat. No.	Qty/pk
Millex®-HA	0.45	MCE membrane	SLHA025NB	100
Millex®-HA	0.45	MCE membrane	SLAH025NK	1000

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Technical Assistance

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Standard Warranty

The applicable warranty for the products listed in this publication may be found at www.sigmaaldrich.com/terms.

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