

User Guide

Millex®-AP₅₀ Prefilter, Cat. No. SLAP05010

Introduction

The Millex®-AP₅₀ filter unit is recommended for use as a prefilter for tissue culture media, prior to final filtration with a Sterivex™ filter unit. The Millex®-AP₅₀ filter extends the life of the Sterivex™ filter unit by filtering out large particles that can clog the smaller pore size filter in the Sterivex™ unit. The Millex®-AP₅₀ filter can be connected directly to the Sterivex™ filter using the supplied Millex®-Sterivex™ connector.

CAUTION: The Millex®-AP₅₀ filter is for prefiltration only. It may release fibers into the filtrate, so a final membrane filter should always be installed downstream of the prefilter.

Directions for Use

1. Attach the barbed hose inlet of the Millex®-AP₅₀ prefilter to the outlet side of the peristaltic pump tubing and immerse the inlet end of the tubing into the solution to be filtered.
2. Insert the non-Luer-Lok™ end of the Millex®-Sterivex™ connector into the open end of the Millex®-AP₅₀ barbed hose outlet.
3. Aseptically remove the sterile Sterivex™ filter unit from the blister pack and connect it to the Luer-Lok™ end of the Millex®-Sterivex™ connector.
4. Place a receiving container under the Sterivex™ filter unit outlet and turn on the pump.

NOTE: The Sterivex™ filter unit has a hydrophobic 0.1 µm polyvinylidene fluoride (PVDF) vent filter that allows air trapped in the system to be automatically expelled.

Specifications

Materials	Filter: AP20 borosilicate glass microfiber Housing: Polypropylene
Dimensions	Length: 71 mm (2.8 in.) Diameter: 62 mm (2.4 in.) Filtration area: 19.6 cm ² (3.0 in ²)
Connections	Millex®-AP ₅₀ filter Inlet and outlet: stepped hose barb (for 5–12 mm [0.2–0.5 in.] ID tubing) with female Luer-slip interior Millex®-Sterivex™ connector Inlet: Male Luer-slip Outlet: Male Luer-Lok™
Temperature limit	45 °C (113 °F)
Pressure limit at 25 °C	2.1 bar (30 psi)
Hold-up volume	2.2 mL
Water flow rate	≥ 650 mL/min at 0.7 bar (10 psi), 25 °C

Ordering Information

Product Description	Qty/pk	Cat. No.
Millex®-AP ₅₀ filter unit	10	SLAP05010
Sterivex™-GV filter unit without filling bell	15	SVGV01015
Sterivex™-GV filter unit without filling bell	50	SVGV010RS
Sterivex™-GV filter unit with filling bell	10	SVGVB1010
Sterivex™-GV filter unit with Luer-Lok™ outlet	15	SVGLV10RC
Sterivex™-HV filter unit without filling bell	15	SVHV01015
Sterivex™-HV filter unit without filling bell	50	SVHV010RS
Sterivex™-HV filter unit with filling bell	10	SVHVB1010
Sterivex™-HV filter unit with Luer-Lok™ outlet	15	SVHVL10RC
Sterivex™-GP filter unit without filling bell	15	SVGP01015
Sterivex™-GP filter unit without filling bell	50	SVGP01050
Sterivex™-GP filter unit with filling bell	10	SVGPB1010
Sterivex™-GP filter unit with Luer-Lok™ outlet	15	SVGPL10RC

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