



Instructions for Use Polycarbonate Syringe Filter Holders

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1. Specifications

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Material	Makrolon®
Sealing	silicone gasket 10 14.9 mm (6980569)
Filter diameter	13 mm
Filtration area	0.5 cm ²
Connections, inlet:	female Luer lock
Connections, outlet:	male Luer slip
Max. operating pressure	700 kPa (7 bar)
Sterilization	Autoclave at 121°C

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Material	Makrolon®
Sealing	silicone gasket 20.0 × 25.0 mm 1EDS-D0053
Filter diameter	25 mm
Prefilter diameter	20 mm
Filtration area	3 cm ²
Connections, inlet:	female Luer lock
Connections, outlet:	male Luer slip
Max. operating pressure	700 kPa (7 bar)
Sterilization	Autoclave at 121°C

2. Cleaning

- 2.1 Disassemble filter holder (Fig.1). Using a soft brush, wash with warm water and laboratory detergent which is commercially available (for metal, glass, and plastics).
- 2.2 Rinse all parts with warm water first, then with distilled water.
- 2.3 Dry using compressed air or drip-dry. Do not dry using towels or cloth since they may leave lint particles on the filter holder.

3. Clarifying Filtration

- 3.1 Unscrew filter holder and insert membrane filter (Fig.2).
- 3.2 Reassemble filter holder and attach filled syringe to Luer-lock inlet of the filter holder (Fig. 3).
- 3.3 Begin filtration procedure (Fig. 4).

4. Sterilizing Filtration

Place membrane filter in syringe filter holder. Wrap holder in aluminum foil or waterproof paper. Autoclave at 121°C for 30 min. After autoclaving, filter, observing usual precautions in order to avoid contamination.

5. Applications

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Sterilizing filtration (0.2 µm) or clarifying filtration (0.45 µm or larger) of very small volumes; for instance, eye drops or samples for chromatography. Sterile venting for maintaining sterility while stabilizing pressure using a 3- to 6-place vacuum manifold (with glass fiber filters or hydrophobic membrane filters having a pore size of 0.8 µm).

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Sterilizing filtration of eye drops, solutions for injection, water, culture media (with a pore size of 0.2 µm), etc. Clarifying filtration of cloudy sera for electrophoresis, reagents and of samples for biological testing (with a pore size of 0.45 µm or larger), etc. Sterile venting of containers used in sterilizing filtration (with glass fiber filters or hydrophobic membrane filters with a pore size of 0.8 µm)



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6. Accessories

- 16685-1 Dosing syringe,
0.5–5.0 ml increments
- 16639 3-way valve for syringe
filter holders
- 16644 E Disposable plastic
syringe, 5 ml, with
needle, sterile (12/pack)
- 16645 E Disposable plastic
syringe, 10 ml, with
needle, sterile (12/pack)
- 16646 E Disposable plastic
syringe, 20 ml, with
needle, sterile (12/pack)
- 16631 Adapter, stainless steel,
male Luer slip on
Record needle
- 16624 Stainless steel forceps
- 1324 Stainless steel needle
for male Luer slip
- 1325 D Disposable needle for
male Luer slip, sterile
(10/pack)

7. Replacement Parts

- 1EDS-D0053 Silicone gaskets
20.0 × 25.0 mm
(10/pack)
- 6980569 Silicone gaskets
10 | 14.9 mm (10/pack)

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2



3



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