



AcroCap™ Positive Pressure Devices

Description

Fast, Positive-Pressure Filtration of Aqueous Solutions Up To 3 L

- ▶ Integral hydrophobic vent prevents air lock.
- ▶ Sterilization by gamma irradiation eliminates the risk of cytotoxic residuals from EtO sterilization.
- ▶ Reduce mycoplasma. Choose 0.1 µm pore size Supor® membrane.
- ▶ Compatible with most positive-pressure systems. Inlet accepts 6.4 mm (1/4 in.) tubing or any male slip luer.



Application

- ▶ For sterilization or clarification of up to three liters of serum-free cell and tissue culture media, media additives, and other aqueous solutions
- ▶ Ideal for sterilization of solutions that tend to foam when filtered under vacuum

Specifications

Materials of Construction

- ▶ Filter Media: Supor [hydrophilic polyethersulfone (PES)] membrane
- ▶ Housing: Modified acrylic
- ▶ Vent: 0.02 µm PTFE
- ▶ Filling Bell: Modified acrylic

Effective Filtration Area

- ▶ 15 cm²

Inlet/Outlet Connections

- ▶ 6.4 mm (1/4 in.) hose barb, inner taper accepts male slip luer; removable filling bell attached to outlet

Typical Hold-Up Volume (with air purge)

- ▶ ≤ 2 mL

Maximum Operating Temperature

- ▶ 55 °C (131 °F)

Maximum Operating Pressure

- ▶ 2.1 bar (210 kPa, 30 psi)

Typical Water Flow Rate

- ▶ mL/min at 1.0 bar (100 kPa, 15 psi)
- ▶ 0.1 µm: 90
- ▶ 0.2 µm: 220
- ▶ 0.45 µm: 500

Endotoxin Level

- ▶ < 0.25 EU/mL using Limulus Amoebocyte Lysate (LAL) test

Biological Safety

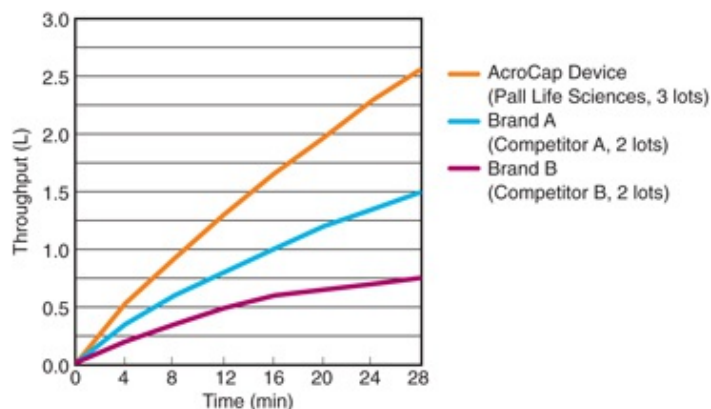
- ▶ Passes United States Pharmacopeia (USP) Biological Reactivity Test, *In Vivo* <88>

Sterilization

- ▶ Sterilized by gamma irradiation and individually packaged

Performance

Comparative Throughput of AcroCap Devices with Competitor Devices - Basal Medium Eagle with 10% Fetal Bovine Serum



Related Products

- ▶ Acrodisc® Syringe Filters with Supor® Membrane
- ▶ VacuCap® Vacuum Filtration Devices
- ▶ AcroPak™ 20 Filters with Supor® Membrane
- ▶ AcroPak™ 200 Capsules with Supor® Membrane
- ▶ AcroPak™ 500, 1000 and 1500 Capsules with Supor® Membrane
- ▶ Supor® Membrane Disc Filters

Ordering Information

Part Number	Description	Pkg	Price	Qty
AcroCap Positive Pressure Devices				
4481	0.1 µm, gamma-irradiated	10/pkg	NA	<input type="text" value="0"/>
4480	0.2 µm, gamma-irradiated	10/pkg	NA	<input type="text" value="0"/>
4482	0.45 µm, gamma-irradiated	10/pkg	NA	<input type="text" value="0"/>

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