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

![Graph comparing AcroCap devices with competitor devices]

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

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