Life Sciences

Sterile Acrodisc® Syringe Filters with Supor® Membrane



Description

Acrodisc Syringe Filters with Supor membrane have superior performance in a variety of sterile laboratory filtration applications. Supor (polyethersulfone) membrane is low protein binding and provides fast filtration and high throughput. All sterile Acrodisc syringe filters are individually packaged in blister packs and sterilized using gamma irradiation to eliminate potential or harmful extractables common with other sterilization methods such as EtO. Acrodisc PF syringe filters with unique built-in prefilter can be used for increased throughput of viscous or particulate-laden solutions.

Certification

Pall Life Sciences certifies that the enclosed disposable filters are:

1. Sterile, non-pyrogenic, and non-cytotoxic
2. Sterilized by gamma irradiation
3. Biological Safety, Pass United States Pharmacopeia (USP) Biological Reactivity Test, *In ViVo* <88>
4. Manufactured in accordance with current Good Manufacturing Practices
5. In compliance with published product specifications

Leslie A. Harreld, Sr. Director, Quality Assurance

Ordering Information

Prod. No.	Sterile Acrodisc Syringe Filters with Supor Membrane	Packaging
4602	0.2 µm, 13 mm	75/pkg
4604	0.45 µm, 13 mm	75/pkg
4608	0.8 µm, 13 mm	75/pkg
4611	0.1 µm, 25 mm	50/pkg
4612	0.2 µm, 25 mm	50/pkg
4187	0.8/0.2 µm, 25 mm	50/pkg
4614	0.45 µm, 25 mm	50/pkg
4618	0.8 µm, 25 mm	50/pkg

Specifications

Materials of Construction
Filter Media: Supor® membrane (hydrophillic polyethersulfone)
Housings: 13: Polypropylene
25: Modified Acrylic

Effective Filtration Area
13 mm: 1.0 cm^2
25 mm: 2.8 cm^2

Typical Hold-Up Volume (with air purge)
13 mm: < 28 µL
25 mm: < 70 µL

Inlet/Outlet Connections
Female luer lock inlet
Male slip luer outlet

Maximum Operating Pressure
5.2 bar (520 kPa, 75 psi)

Maximum Operating Temperature
55 °C (131 °F)

Endotoxin Level
< 0.25 EU/mL using Limulus Amoebocyte Lysate (LAL) test

Typical Water Flow Rate
mL/min at 3.1 bar (310 kPa, 45 psi)
13mm, 0.2 µm: 22
13mm, 0.45 µm: 35
13mm, 0.8 µm: 150
25mm, 0.1 µm: 35
25mm, 0.2 µm: 175
25mm, 0.45 µm: 300
25mm, 0.8-0.2 µm: 145
25mm, 0.8 µm: 700

Instructions for Use (Aseptic Technique)

1. Before filling the syringe with sample solution, draw approximately 1 mL of air into the syringe. This will allow the air to follow the sample out of the syringe. This “air purge” minimizes fluid retention within the filter device.
2. Fill syringe with solution to be filtered. *Note: Use of syringes smaller than 10 mL can generate excessive pressures on the filter which may exceed maximum operating pressure.* Exceeding the maximum operating pressure may result in membrane or housing rupture.
3. Peel off the backing from the blister package. Holding the blister in one hand and the filled syringe in the other, secure (without excessive force) the filled syringe to the filter device with a twisting motion.
4. Apply gentle thumb pressure to begin filtration (a gentle pressure assures maximum throughput). *Note: As the filter removes the particulate, filtration will become more difficult (the syringe plunger will become harder to push) and pressure rapidly increases on the filter.* Change filters when resistance becomes excessive. Failure to change filter may result in housing rupture as the maximum operating pressure is exceeded, or membrane rupture, leading to particulate contaminating the filtrate.
5. These filters are for **Single Use Only**.

PALL Life Sciences

Complementary Products:
also available from Pall Life Sciences

Prod. No.	Acrodisc Syringe Filters with Supor Membrane	Packaging
4651	0.1 µm, 32 mm	50/pkg
4652	0.2 µm, 32 mm	50/pkg
4654	0.45 µm, 32 mm	50/pkg
4658	0.8/0.2 µm, 32 mm	50/pkg
4656	1.2 µm, 32 mm	50/pkg
4650	5 µm, 32 mm	50/pkg

WARNING

Employment of the products in applications not specified, or failure to follow all instructions contained in this product information insert, may result in improper functioning of the product, personal injury, or damage to property or the product. See Statement of Warranty in our most recent catalog.

ATTENTION

L'utilisation de nos produits dans des applications pour lesquelles ils ne sont pas spécifiés ou le non-respect du mode d'emploi qui figure sur ce document, peut entrainer un disfonctionnement du produit, endommager le produit ou d'autres biens matériels ou représenter un risque pour l'utilisateur. Se référer à la clause de garantie de notre catalogue le plus récent.

ACHTUNG

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ADVERTENCIA

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ATTENZIONE

L'impiego dei prodotti in applicazioni non specificate, o il mancato rispetto di tutte le istruzioni contenute nel presente bollettino tecnico, potrebbero portare ad un utilizzo improprio del prodotto, ferire gli operatori, o danneggiare le caratteristiche del prodotto stesso. Consultare la dichiarazione di garanzia pubblicata nel nostro più recente catalogo.

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