Acrodisc™ syringe filter with Versapor™ membrane

Instructions for Use

Introduction

Intended use

Cytiva Lab Filtration products are designed for professional laboratory applications only. These products are not approved for use in medical, clinical, surgical or other patient protection applications. They are also not suitable for use in Biopharmaceutical manufacturing or production.

Important

Employment of the products in applications not specified, or failure to follow all instructions contained in this Instructions for Use, can result in personal injury, damage to property or the product, or improper functioning of the product.

Description



The Acrodisc™ syringe filter has proven performance in critical applications. It is suitable for dilute biological fluids, and exhibits low protein binding. The Acrodisc syringe filter with Versapor™ membrane (acrylic copolymer on a non-woven support) meets all prefiltration and clarification requirements. Both product lines are sterilized by gamma irradiation to eliminate potential contamination by EtO residuals, certified non-pyrogenic.

Instructions for use (aseptic technique)

These filters are for single use only.

Step	Action
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 the 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.*

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Specifications

Parameter	Specification	
Materials of construction	Filter media	Versapor membrane (acrylic copolymer on a non-woven support)
	Housing	25 mm housing: modified acrylic
Effective filtration area	25 mm: 2.8 cm^2	
Inlet and outlet connections	Female luer lock inlet, male slip luer outlet	
Typical hold-up volume (with air-purge)	25 mm: < 300 µL	
Maximum operating pressure	5.2 bar (520 kPa, 75 psi)	
Maximum operating temperature	55°C (131 °F)	
Water flow rate at 3.1 bar (310 kPa, 45 psi)	Versapor membrane	1.2 µm, 25 mm: ≥ 660 mL/min 5 µm, 25 mm: ≥ 970 mL/min

Ordering information

Prod. no.	Sterile Acrodisc syringe filter	Packaging
4190	1.2 µm, Versapor membrane, 25 mm	50/pkg
4199	5 µm, Versapor membrane, 25 mm	50/pkg

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