

Sentino™ filter funnel

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



- Ideal for microbial evaluation of samples using membrane filter technique.
- Available in 100 and 250 mL capacity to accommodate a variety of sample sizes.
- Inert polypropylene construction to preserve the integrity of the sample.
- Base adapts for use with Sentino™ microbiology pump or standard manifold.

Instructions for use

Using Sentino filter funnel

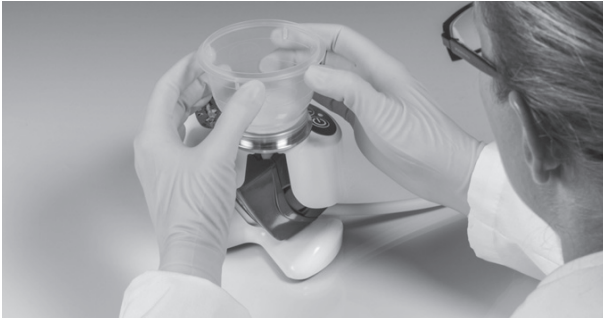
Step	Action
1	Sanitize the filter support platform using one of the procedures described below: • Wiping surface vigorously with alcohol swab or wipe. Wait until the alcohol has air dried before placing a membrane on the platform. • Infuse platform with 1 mL of reagent grade alcohol. Use vacuum to draw alcohol through the support screen. If desired, flame the platform to remove residual alcohol.



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|---|---|
| 2 | Aseptically place a membrane filter onto the platform using the guide rim on the support platform to assist in locating the membrane. |
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| 3 | Aseptically remove a filter funnel from the sleeve making sure not to touch the inner surface of the funnel or the bottom rim that presses the support platform. |
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Step	Action
4	Using the collar at the top of the funnel, press the filter funnel onto the support platform until the funnel clicks into place. Make sure to not touch the upper rim of the funnel.
	
5	Pre-wetting of membrane should be conducted before sample is poured. It may not be necessary to pre-wet for all samples.
6	Pour sample into the filter funnel. The graduations can be used to measure sample volume.
7	Apply vacuum or turn on pump to draw sample and rinse fluid through the filter then turn off vacuum.
8	Using the collar for leverage, press up and tilt the funnel to remove. Forceps access points aid in grasping membrane.
	
9	Aseptically transfer the membrane to growth medium.
10	Return to step 1 to process a new sample.

Preparing Sentino microbiology pump for use with Sentino filter funnel

Step	Action
1	Press tubing (PN 4285) onto hose barb of the Sentino adapter (PN 4872).
	

Step	Action
2	With the Sentino pump positioned on benchtop, open pump loading door fully.
3	Slide adapter into the guide on the pump housing until it is firmly seated.
4	Tuck the pump drive tubing into the slot in the pump head and position the tube in to the guide slot in the base.
5	Remove tubing slack by pulling the tubing against the rollers as you close pump loading door to a snap closed position.
6	Proceed to step 1 of Using Sentino filter funnel, on page 1 .
Note: <i>If pump head fails to rotate when turned on, then turn off pump, open pump head door and repeat step 5.</i>	

Operating filter funnel manifold

Note: Prior to use of the 3-place or 6-place manifold, wrap threads of the hose barb adaptor with the provided tape and connect to the open threaded end.

Step	Action
1	When initiating filtration, first turn on vacuum source, then turn on the valve.
Note: <i>The valve is open when the bar is in the vertical position.</i>	
2	When concluding filtration, turn off valve, then turn off vacuum pump.
Note: <i>The valve is off when the bar is in the horizontal position.</i>	
3	Easy sanitizing is accomplished by infusing 70% or reagent grade alcohol through each vacuum port.
4	For maximum valve life, follow sanitization with sterile water rinse.

Specifications

Sentino filter funnels

Parameter	Specification	
Materials of construction	Funnel: polypropylene	
Dimensions	100 mL	Diameter: 8.1 cm (3.2 in.)
		Height: 5.3 cm (2.1 in.)
	250 mL	Diameter: 8.1 cm (3.2 in.)
		Height: 9.6 cm (3.8 in.)
Sterilization	Gamma-irradiated	

Sentino adapter

Parameter	Specification	
Materials of construction	Body: 316 stainless steel	
	Support screen: 316 stainless steel	
Dimensions	Sentino adapter	Diameter: 6.1 cm (2.4 in.)
		Height: 2.5 cm (1.0 in.)
Connections	Filter support platform: accepts 47 mm disc filter.	

Parameter	Specification
	Sentino adapter outlet: hose barb outlet accepts 4.8 mm (3/16 in.) ID tubing and is designed to slide into the stage of the Sentino microbiology pump.
Sterilization	Provided non-sterile. Autoclavable if desired at 121°C to 123°C (250 to 253 °F) at approximately 1.0 bar (100 kPa, 15 psi) for 15 to 20 minutes.

3-place, 6-place



Parameter	Specification
Materials of construction	Piping, adapters, end cap, hose barb cap, and coupling device: 316 L stainless steel Valve assembly: 316 L stainless steel

Parameter	Specification	
	Handles, valve locking collar, and knob: 6061-T6 anodized aluminum	
	Valve O-rings: Viton fluoroelastomer rubber	
	Adapter O-rings: Viton fluoroelastomer rubber	
	Tube O-rings: Silicone	
Dimensions	3-place manifold (with end cap, and hose barb cap)	Width: 437 mm
		Depth: 152 mm
		Height: 99 mm
		Part weight: 1.7 kg
	6-place manifold (with coupler, end cap, and hose barb cap)	Width: 846 mm
		Depth: 152 mm
		Height: 99 mm
		Part weight: 3.4 kg

Ordering information

Part number	Description	Pkg
4870	100 mL Sentino funnel	100/pkg
4871	250 mL Sentino funnel	80/pkg

Accessories

Part number	Description	Pkg
4872	Sentino funnel pump adapter for Sentino pump	1/pkg
4285	Tubing, for Sentino pump adapters	10/pkg
13186	Sentino microbiology pump global	1/pkg
4889	Lab manifold 3-place SS no adapters	1/pkg
4891	Lab manifold Sentino adapter	3/pkg
4893	Lab manifold coupler device	1/pkg



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