MILLIPORE



- *High flow*
- *High throughput*
- *Low protein binding*
- *Fits onto most containers*

DATA SHEET

Stericap™ PLUS Universal Bottle-Top Filter Device

For ultrafast sterilization of 5 to 10 L using vacuum filtration

Convenient, Aseptic Sterilization

Fluid is drawn directly from the feed container, so there is no need to keep pouring into a funnel. In addition, the fluid is filtered directly into the desired container, which eliminates transfer steps and minimizes the risk of contamination.

This non-cytotoxic, non-pyrogenic device is ideal for sterilization of tissue culture media, serum, buffers, or other biological solutions.

Fast Flowing, Low Binding Membrane

The device features Millipore Express® PLUS polyethersulfone (PES) membrane — a fast flowing, high throughput membrane that is low protein binding.

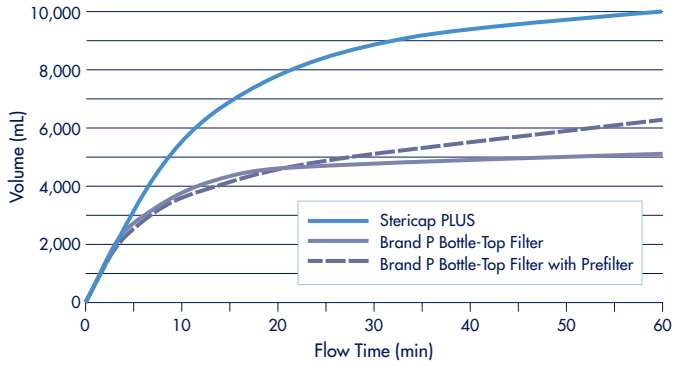
No Need for a Prefilter

The Millipore Express PLUS membrane provides fast filtration of even viscous solutions, such as serum-containing media, without the need for a prefilter (see test results below).

Fits Onto a Wide Range of Containers

The device can be used to fill any vacuum-rated bottle or other container with an inner neck diameter of 20 to 67 mm. The compact design saves space in crowded labs.

High Flow and High Throughput



In an in-house study, reconstituted Dulbecco's Modified Eagles Medium (DMEM) with 10% fetal bovine serum was filtered through Stericap PLUS devices (n = 3) and competitive bottle-top devices (n = 2 each). The data show the average flow times.

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Part of a Family of Vacuum-Driven Filter Devices

The Stericap PLUS filter device is part of a family of vacuum-driven filtration devices offered by Millipore.

Device	Filtration Capacity 50 mL	150 mL	1 L	2 L	5 L	10 L	20 L
Steriflip® Filter Devices							
Stericup™ Vacuum Cups							
Stericap Filter Devices							
Stericap PLUS Filter Devices							
Sterivac™ Filter Devices							

For information on these other sterile filtration products from Millipore, visit www.millipore.com/sterile.

Specifications

Filtration Capacity	5 –10 L (of typical cell culture media, e.g., DMEM with 10% serum)
Filtration Area	40 cm^2
Sterilization	Gamma irradiated
Storage Temperature	–30 to 45 °C (–22 to 113 °F)
Maximum Operating Vacuum	25" Hg
Materials	
Membrane:	Millipore Express PLUS, polyethersulfone (PES), 0.22 µm
Dome:	Clear styrene
Collar:	Impact-resistant styrene
Outlet frit:	Polypropylene
Gasket:	Closed cell polyethylene foam
Tube set:	Silicone, 1 m (3.2 ft)
Tube weight:	PVDF
Vacuum port matrix:	Cellulose acetate
Vacuum adapter:	High density polyethylene
Vent cap:	PVDF

Ordering Information

Description		Qty/Pk	Catalogue No.
Stericap PLUS Filter Devices with 0.22 µm Millipore Express PLUS membrane; includes one tube set		10	SCGP CAP RE
1 L Sterile Receiver Bottle		12	SC00 B10 RE
Vacuum/Pressure Pump	115 V, 60 Hz 220 V, 50 Hz 100 V, 50/60 Hz		WP62 115 60 WP62 220 50 WP62 100 60
50 cc Syringe		5	XX11 050 05
Millex®-FG_{50} Filter Units for vacuum line protection		10	SLFG 050 10

To Place an Order or Receive Technical Assistance

For additional information call your nearest Millipore office:
In the U.S. and Canada, call toll-free 1-800-MILLIPORE (1-800-645-5476)
In the U.S., Canada and Puerto Rico, fax orders to 1-800-MILLIFX (1-800-645-5439)
Internet: www.millipore.com
Tech Service: www.millipore.com/techservice

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Lit. No. PF1427EN00 Rev. – 12/03 03-343
Printed in U.S.A.

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