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Steriflip® Filter Unit

WARNING: Do not use the Steriflip® filter in direct patient care applications or diagnostic procedures; it was designed for laboratory use only.

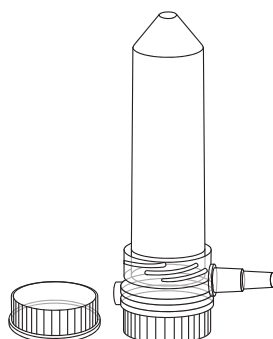
Introduction

The Steriflip® filter is a disposable, sterile filtration system used in the preparation of tissue culture media, buffers, microbiological media, and other aqueous solutions.

This unit comes packed with a Steriflip® filter and a sample tube cap.

WARNING: This device is not rated for pressure-driven filtration and may cause damage or injury if you apply pressure.

CAUTION: This unit is sterile when packaged. Check to see if the package is damaged or if the seal is broken. If there is any damage, contact Technical Service before using.



Chemical Compatibility

Steriflip® filters are compatible with most aqueous solutions including:

- Aqueous buffers
- Cell culture media
- Clorox® bleach (5% solution)
- Water

Many factors such as variability in temperature, concentrations, and duration of exposure affect the chemical compatibility of filtration devices. Test your

CAUTION: Perform filter binding analysis before filtering very dilute proteins, hormones, or drug solutions.

Materials Required

The user must supply the following materials to use the Steriflip® filter:

- Vacuum source (with tubing)
- Sample in 50 mL centrifuge tube

Standard 50 mL tubes come in two thread types: Single-lead and Double-lead. Steriflip® filters are compatible only with double-lead threaded tubes. These have two leads, 180° from each other, that wind around the tube from its top. The following chart lists the manufacturers and part numbers of Steriflip® filter-compatible 50 mL tubes.

Tube	Catalogue Number
BD Falcon™	352070, 352098
Fisherbrand®	05-539-6, 05-539-7, 05-539-8, 05-539-9
Greiner®	210261, 210270, 227261, 227270
Iwaki®	2341-050
Nunc™	334959, 334940
Perfector Scientific	2650

CAUTION: Leakage may occur if the Steriflip® filter is attached to a single-lead tube.

Specifications

Materials of Construction

Steriflip® Filter	Acrylic
Tube	Polypropylene
Adapter	Polyethylene
Vent matrix	Ultra-high-molecular-weight polyethylene
Vacuum port matrix	Cellulose acetate
Tube stand (1 per box)	Styrene

Membranes

GP	0.22 microns (µm) Express PLUS® PES (Polyethersulfone), hydrophilic
GV	0.22 µm Durapore® PVDF (Polyvinylidene fluoride), hydrophilic
HV	0.45 µm Durapore® PVDF, hydrophilic
NY20	20 µm Nylon net
NY40	40 µm Nylon net
NY60	60 µm Nylon net
NY1H	100 µm Nylon net

Effective filtration area 6.7 cm² (1.04 in²)

Capacity 50 mL

Sterilization method Gamma irradiation

Storage temperature limit 4 °C to 45 °C (39 °F to 113 °F)

Notice

We provide information and advice to our customers on application technologies and regulatory matters to the best of our knowledge and ability, but without obligation or liability. Existing laws and regulations are to be observed in all cases by our customers. This also applies in respect to any rights of third parties. Our information and advice do not relieve our customers of their own responsibility for checking the suitability of our products for the envisaged purpose.

The information in this document is subject to change without notice and should not be construed as a commitment by the manufacturing or selling entity, or an affiliate. We assume no responsibility for any errors that may appear in this document.

Product Ordering

Description	Pore Size	Membrane	Qty.	Catalogue No.
Steriflip®-GP filter with cap	0.22 µm	Express PLUS® PES	25/pk	SCGP00525
Steriflip®-GV filter with cap	0.22 µm	Durapore® PVDF	25/pk	SE1M179M6
Steriflip®-HV filter with cap	0.45 µm	Durapore® PVDF	25/pk	SE1M003M00
Steriflip®-NY20 Steri-Strainer with cap	20 µm	Nylon Net	25/pk	SCNY00020
Steriflip®-NY40 Steri-Strainer with cap	40 µm	Nylon Net	25/pk	SCNY00040
Steriflip®-NY60 Steri-Strainer with cap	60 µm	Nylon Net	25/pk	SCNY00060
Steriflip®-NY1H Steri-Strainer with cap	100 µm	Nylon Net	25/pk	SCNY00100
Steriflip® filter funnel attachment, 50 mL, non-sterile			25/pk	SC50FL025
Millex®-FG ₅₀ filter, for vacuum line protection	0.2 µm	Hydrophobic Polytetrafluoroethylene (PTFE)	10/pk	SLFG05010



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