



Microfil[®] V Filtration Device

Faster and easier than the conventional filter holders used for microbiological analysis

- ▶ Sterilized and ready-to-use
- ▶ No clamps or O-rings
- ▶ Fits any standard manifold

No Assembly, Cleanup, or Autoclaving

With Microfil V filtration devices, there's nothing to slow you down. No filter holders to assemble. No funnels to clean. No sterilizing the support after each filtration. Simply snap a Microfil V device off the convenient carrying tray and you're ready to test your sample. You can place the device on a standard number 8 stopper or a vacuum-syringe with Luer connection.

No Leaks or Sample Bypass

When traditional filter holders are not assembled correctly, or the O-rings are worn, the holders can leak, or worse, can allow sample to bypass the filter. Microfil V filtration devices come fully assembled with the funnels attached to the filter support using our unique "push fit" seal. This patented technology ensures a perfect seal between the membrane, funnel, and support without clamps or O-rings.

Membrane Is Easy to Remove

Removing a wet membrane stuck to a traditional filter support after filtration can be a challenge. The Microfil V's filter support has a curved edge, so you can easily remove the membrane while vacuum is still applied (which removes excess water that could cause growth around the rim of the filter during incubation).

Consistent Recoveries

The Microfil V filtration device ensures uniform recovery of microorganisms in three ways: (1) the device's perfect "push fit" seal prevents sample bypass; (2) the funnel's smooth, hydrophobic surface repels aqueous residues to ensure that microorganisms in the sample are collected on the membrane, not on the walls of the funnel; and (3) the convex shape of the support eliminates pleating and distortion of the membrane due to expansion, so contact between the membrane and the surface of the medium is uniform.

Conforms to International Standards

The Microfil V device is designed to conform with the international standards for drinking water testing. The membrane has been certified in accordance with Standard Methods.

- Council Directive on the Quality of Water Intended for Human Consumption (98/83/EC)
- *Standard Methods for the Examination of Water and Wastewater*, 20th Edition, 1998*
- World Health Organization, *Guidelines for Drinking Water Quality*, 1997

*Clesceri, L.S., Greenberg, A.E. and Eaton, A.D. (eds.), *Standard Methods for the Examination of Water and Wastewater*, 20th Edition, American Public Health Association, Washington, D.C., 1998.

Four Steps to Faster, Easier Microbiological Testing



1. Place carrying tray near manifold or vacuum flask and snap off device.



2. Place device onto standard, number 8 stopper, pour sample, and apply vacuum.



3. After filtration, remove the funnel—you only need one hand—and discard it. (It's recyclable.)



4. Place membrane onto solid or liquid medium and incubate. Discard the base. (It's also recyclable.)

Specifications

Membranes

White

Mixed esters of cellulose; gridded;
0.45 μm and 0.22 μm pore size; sterilized

Black

Mixed esters of cellulose; gridded;
0.45 μm and 0.8 μm pore size; sterilized

Funnel

100 mL; polypropylene (food-contact-grade);
free from agents that might inhibit microbial growth

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)

Outside of North America contact your local office. To find the office nearest you visit www.millipore.com/offices.

Internet: www.millipore.com

Technical Service:

www.millipore.com/techservice

Ordering Information

Microfil V Filtration Devices, Sterilized

Each box contains three trays of eight Microfil V devices.

Gridded Membrane Color	Pore Size (μm)	Filter Diameter (mm)	Funnel Volume (mL)	Qty	Catalogue No.
White	0.45	47	100	24	MVHA WG1 24
White	0.22	47	100	24	MVGS WG1 24
Black	0.45	47	100	24	MVHA BG1 24
Black	0.8	47	100	24	MVAA BG1 24

Millipore also offers a full range of culture media. For more information, please call the nearest Millipore office or visit our on-line database www.millipore.com/dr_media.

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