

MicroFunnel™ Filter Funnels

Increase laboratory efficiency with convenient, ready-to-use disposable filter funnels



- ▶ Certified. Each lot is certified for microbiological analysis to provide added assurance of reliable results.
- ▶ Easy to use. Unique squeeze separation of cylinder from base allows easy access to membrane.
- ▶ Individually bagged, disposable filter units prevent cross-contamination of samples.
- ▶ Available in 300 mL capacity to process larger samples.
- ▶ Allows easy and accurate sample measurement. The 100 mL funnels are marked in 10 mL increments. The 100 mL increment is marked completely around the funnel for higher visibility. The 300 mL funnel is marked in 50 mL increments.
- ▶ Saves time. Disposable design eliminates the cleaning and sterilization required with reusable funnels.
- ▶ Ready to use. Pre-assembled and gamma-irradiated to eliminate the potential for toxic extractables associated with EtO sterilization.
- ▶ Variety of options. Choose from GN-6 Metrical® membrane in 0.45 µm pore size, Supor® membrane with 0.2 or 0.45 µm pore size, or Metrical Black membrane with 0.45 or 0.8 µm pore size.
- ▶ Easily remove the membrane for culturing on agar or broth medium.

Applications

- ▶ Test any aqueous solution for microbial contamination using the principles of the Membrane Filter (MF) Technique.
- ▶ Ideal for quality control analysis of aqueous fluids used in pharmaceutical production. Individually labeled for lot traceability.
- ▶ Convenient for last-minute samples at the end of the day or work week. Maintain a supply of MicroFunnel filter funnels in case the autoclave breaks down and reusable hardware cannot be sterilized.
- ▶ The 300 mL funnel is ideal for processing larger samples without the "pour and wait" of smaller funnels. Processing larger samples can improve sensitivity and confidence in the results.
- ▶ Test for a variety of bacterial contaminants, such as Total Coliforms or *Pseudomonas* species, by choosing between the 0.45 and 0.2 µm pore sizes.
- ▶ MicroFunnel filter funnel with Metrical Black membrane provides a better contrast for counting yeast and other light-colored colonies.

Specifications

Materials of Construction

Filter Media: Supor (hydrophilic polyethersulfone), GN-6 Metrical (mixed cellulose esters), and Metrical Black (modified polyethersulfone) membranes

Cylinder, Base, Lid, Petri Dish Base: Polypropylene

Cover: Polystyrene

Plug: Polyethylene

Funnel Adapter: Polyethylene

Support Pad: Cellulose

Effective Filtration Area

13.46 cm²

Dimensions

100 mL Funnels

Height:

8.1 cm (3.2 in.) with Petri dish lid

7.6 cm (3.0 in.) with cover

Diameter:

6.4 cm (2.5 in.) with Petri dish lid

6.1 cm (2.4 in.) with cover

300 mL Funnel

Height:

9.1 cm (3.6 in.) with cover

Diameter:

8.8 cm (3.5 in.) with cover

Maximum Vacuum

63.5 cm Hg (25 in. Hg)

(vacuum use only)

Gamma-Irradiated

Validated dose 15 - 30 kGy

Procedures for MicroFunnel LP Filter Funnel (With Petri Dish Lid Kit)

1. Dispense the contents of an ampoule of culture medium onto the absorbent pad in the Petri dish lid kit, supplied only with MicroFunnel LP filter funnel, PN 4810.
2. With Petri dish lid kit removed, perform filtration then access membrane by gently squeezing near the top of the funnel cylinder.
3. Remove the membrane filter from the base with forceps.
4. Place the membrane filter onto the broth-soaked absorbent pad in the Petri dish lid kit.
5. Cover, invert, and incubate.



Ordering Information

MicroFunnel™ Filter Funnels, 100 mL

Part Number	Description	Pkg
4800	MicroFunnel unit with 0.45 µm GN-6 Metrical® membrane, white, gridded, individually bagged	50/pkg
4804	MicroFunnel unit with 0.45 µm GN-6 Metrical membrane, white, gridded, individually bagged	200/pkg
4810	MicroFunnel LP unit with 0.45 µm GN-6 Metrical membrane, white, gridded, individually bagged, Petri dish lid kit	50/pkg
4801	MicroFunnel unit with 0.45 µm GN-6 Metrical membrane, white, gridded, unbagged	50/pkg
4803	MicroFunnel unit with 0.2 µm Supor® membrane, white, gridded, individually bagged	50/pkg
4806	MicroFunnel unit with 0.2 µm Supor membrane, white, no grid, individually bagged	50/pkg
4852	MicroFunnel unit with 0.45 µm Supor membrane, white, gridded, individually bagged	50/pkg
4805	MicroFunnel unit with 0.45 µm Metrical Black membrane, black, gridded, individually bagged	50/pkg

Related Products

Ampoule Media for Microbiological Analysis	213
Petri Dishes	225, 274

MicroFunnel Filter Funnels, 300 mL

Part Number	Description	Pkg
4815	MicroFunnel 300 unit with 0.45 µm GN-6 Metrical membrane, white, gridded, individually bagged	20/pkg
4818	MicroFunnel 300 unit with 0.2 µm Supor membrane, white, gridded, individually bagged	20/pkg
4828	MicroFunnel 300 unit with 0.45 µm Supor membrane, white, gridded, individually bagged	20/pkg
4817	MicroFunnel 300 unit with 0.45 µm Metrical Black membrane, gridded, individually bagged	20/pkg
4819	MicroFunnel 300 unit with 0.8 µm Metrical Black membrane, gridded, individually bagged	20/pkg

Accessories and Replacement Parts

Part Number	Description	Pkg
4701	Autoclavable adapters for vacuum manifold when using rubber stopper	3/pkg
4713	Vacuum pump adapter for MicroFunnel filter funnel with Milliflex PLUS® pump	1/pkg
4895	Lid kit accessory for culturing membrane in place	20/pkg
15408	1-place aluminum manifold	1/pkg
15411	3-place aluminum manifold	1/pkg
15413	6-place aluminum manifold	1/pkg
13157	Vacuum/pressure pump, 115 V CE	1/pkg
13158	Vacuum/pressure pump, 230 V	1/pkg
4690	Forceps with multi-colored grips	3/pkg