

MicroFunnel™ filter funnels

Key benefits

- **Performance:** Manufactured using quality-control-tested membrane to meet global recovery performance requirements.
- **Single-use:** Prevent cross-contamination with individually bagged, single-use units that are gamma-irradiated. No need to clean, package, and sterilize.
- **Easy to use:** Squeeze separation of the cylinder from the base provides easy access to the membrane for culturing.
- **Flexible options:** Choose from membranes in 0.2 to 0.8 μm pore sizes, 100 or 300 mL volumes and multiple packaging options.
- **Instill confidence:** Graduations marked on the outside of the cylinder provide accurate sample measurement and a smooth, inert interior to ensure all liquid is evacuated. Reduces the possibility for false negatives.



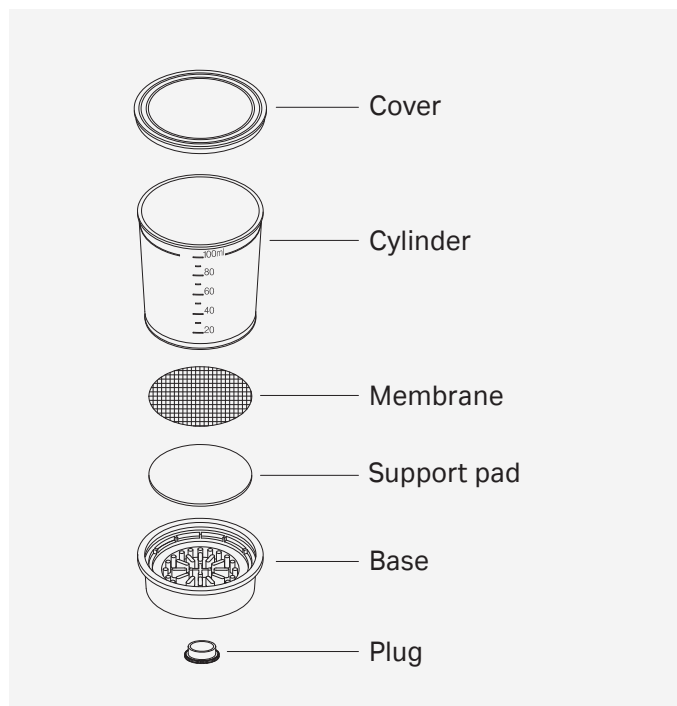
Fig 1. MicroFunnel filter funnels.

Applications

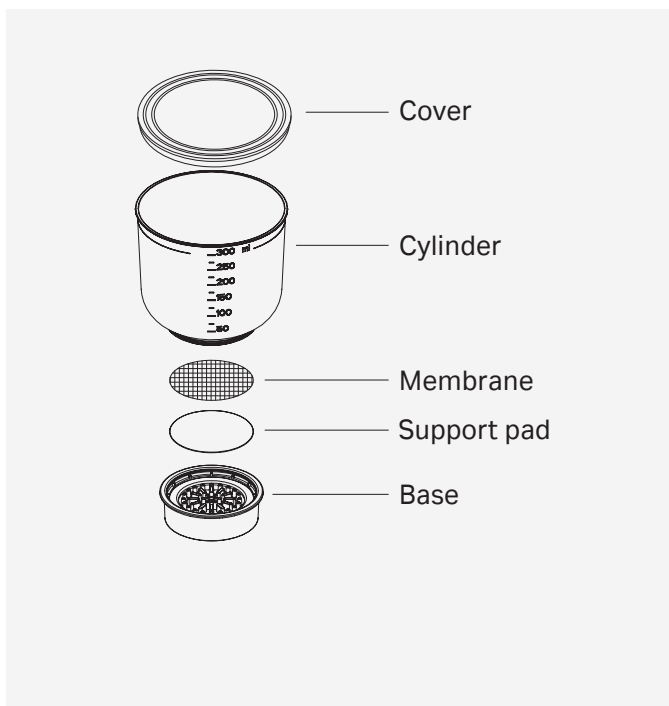
- Test any solution or solid that can be thoroughly dissolved in an aqueous buffer for microbial contamination using MicroFunnel™ filter funnels and the membrane filter technique (MF). These single-use filter funnels increase the productivity and efficiency of busy laboratories.
- Quality control analysis of aqueous fluids in pharmaceutical production, water, food and beverage applications. Individually bagged for added assurance of sterility and lot traceability. Single-use filter funnels eliminate sample cross-contamination.
- Convenient for last-minute samples. Maintain a supply of MicroFunnel filter funnels in case your autoclave breaks down and reusable hardware cannot be sterilized.
- Our 300 mL funnel is ideal for processing larger samples. Processing larger samples can improve sensitivity and confidence in results.
- Test for a variety of bacterial contaminants, such as total coliforms or *Pseudomonas* by choosing between 0.45 and 0.2 μm pore sizes.
- Yeasts, molds and other light-colored organisms can be analyzed by selecting MicroFunnel filter funnel with membrane in 0.45 or 0.8 μm pore size.
- ST packaging includes a sealed overpack bag containing the individually bagged MicroFunnel filter funnels. This allows you to disinfect the outer bag when transferring materials into a cleanroom, testing hood, or isolator.

MicroFunnel filter funnel component diagrams

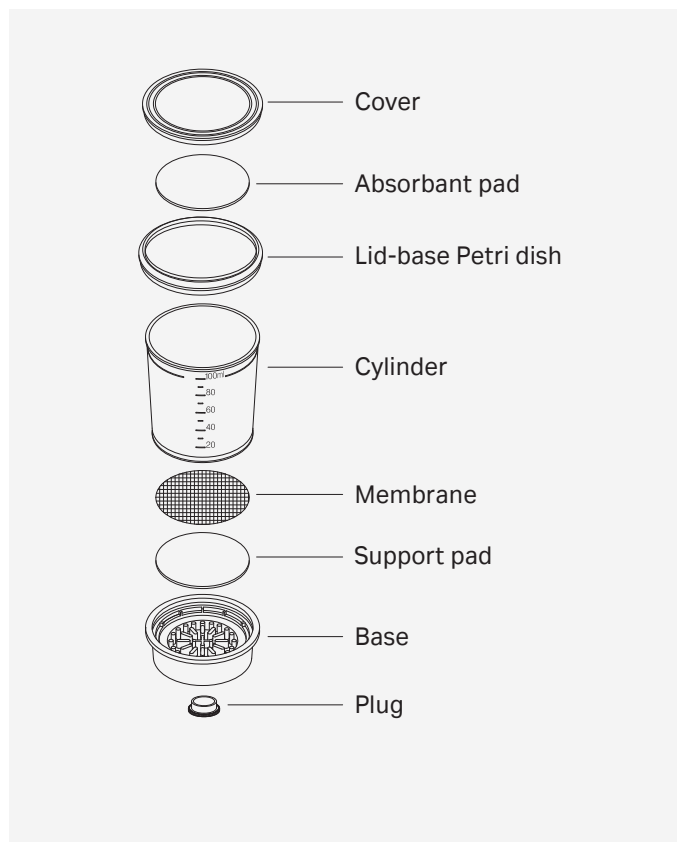
100 mL MicroFunnel filter funnel



300 mL MicroFunnel filter funnels



100 mL MicroFunnel filter funnel with lid kit



ST Packaging



Filter the sample



1. Remove funnel from its bag and place directly onto a manifold.



2. Remove funnel cover without touching the inner surface of the funnel, and pour sample into the funnel. Replace cover and turn on the vacuum to draw the entire sample through the filter.



3. Rinse the inside of the funnel walls with sterile buffer solution. Allow the vacuum to remain on for 30 to 45 s, then turn off the vacuum.

Culture the sample

Transferring the membrane



1. Separate funnel from base by removing the funnel cover and gently squeezing the top of the funnel cylinder.



2. Using aseptic technique, remove the membrane filter from the base with smooth-tipped forceps.



3. Place the membrane filter on a prepared agar plate or Petri dish with absorbent pad soaked with broth.
4. Cover, invert, and incubate.

For MicroFunnel filter funnel with lid kit



1. Dispense the ampoule of culture medium onto the absorbent pad in the Petri dish lid kit, supplied only with MicroFunnel LP filter funnel (product code 4810)



2. With Petri dish lid kit removed, filter the sample, then access the membrane by gently squeezing near the top of the funnel cylinder.



3. Using aseptic technique, remove the membrane filter from the base with smooth-tipped 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 funnel

Description	Packaging	Product code
100 mL with ME25 MCE membrane 0.45 µm white gridded individually bagged gamma-irradiated	50/pkg	4800ME
100 mL with ME25 MCE membrane 0.45 µm white gridded gamma-irradiated	50/pkg	4801ME
100 mL with ME25 MCE membrane 0.45 µm white gridded individually bagged gamma-irradiated	200/pkg	4804ME
100 mL with ME25 MCE membrane 0.45 µm white gridded with lid kit Petri dish individually bagged gamma-irradiated	50/pkg	4810ME
300 mL with ME25 MCE membrane 0.45 µm white gridded individually bagged gamma-irradiated	20/pkg	4815ME
100 mL with GN6 MCE membrane 0.45 µm white gridded individually bagged gamma-irradiated	50/pkg	4800
100 mL with GN6 MCE membrane 0.45 µm white gridded gamma-irradiated	50/pkg	4801
100 mL with GN6 MCE membrane 0.45 µm white gridded individually bagged gamma-irradiated	200/pkg	4804
100 mL with GN6 MCE membrane 0.45 µm white gridded with lid kit Petri dish individually bagged gamma-irradiated	50/pkg	4810
300 mL with GN6 MCE membrane 0.45 µm white gridded individually bagged gamma-irradiated	20/pkg	4815
100 mL with Supor™ PES membrane 0.2 µm white gridded individually bagged gamma-irradiated	50/pkg	4803
100 mL with Supor PES membrane 0.2 µm white plain individually bagged gamma-irradiated	50/pkg	4806
300 mL with Supor PES membrane 0.2 µm white gridded individually bagged gamma-irradiated	20/pkg	4818
100 mL with Supor PES membrane 0.45 µm white gridded individually bagged gamma-irradiated	50/pkg	4852
300 mL with Supor PES membrane 0.45 µm white gridded individually bagged gamma-irradiated	20/pkg	4828

Description	Packaging	Product code
100 mL with MetriceI™ black PES membrane 0.45 µm white gridded individually bagged gamma-irradiated	50/pkg	4805
300 mL with MetriceI black PES membrane 0.45 µm black gridded individually bagged gamma-irradiated	20/pkg	4817
300 mL with MetriceI black PES membrane 0.8 µm black gridded individually bagged gamma-irradiated	20/pkg	4819
100 mL with polycarbonate membrane 0.4 µm plain individually bagged gamma-irradiated	50/pkg	FMFNL1050
300 mL with polycarbonate membrane 0.4 µm plain individually bagged gamma irradiated	20/pkg	FMFNL3020

MicroFunnel ST Filter Funnel*

Description	Packaging	Product code
100 mL with ME25 MCE membrane 0.45 µm white gridded gamma-irradiated	40/pkg	4811ME
300 mL with ME25 MCE membrane 0.45 µm white gridded gamma-irradiated	20/pkg	4812ME
100 mL with GN6 MCE membrane 0.45 µm white gridded gamma-irradiated	40/pkg	4811
300 mL with GN6 MCE membrane 0.45 µm white gridded gamma-irradiated	20/pkg	4812
100 mL with Supor PES membrane 0.2 µm white gridded gamma-irradiated	40/pkg	4851
300 mL with Supor PES membrane 0.2 µm white plain gamma-irradiated	20/pkg	4853
100 mL with Supor PES membrane 0.45 µm white plain gamma-irradiated	40/pkg	4750
300 mL with Supor PES membrane 0.45 µm white plain gamma-irradiated	20/pkg	4751

* 100 mL funnels packaged 10 individually bagged funnels per overpack bag, 4 overpack bags per box.
300 mL funnels packaged 5 individually bagged funnels per overpack bag, 4 overpack bags per box.

Microbiology manifold

Description	Packaging	Product code
3-place manifold including 3 valves, 1 end cap, 1 hose barb cap	1 set/pkg	4889
MicroFunnel filter funnel adapter	3/pkg	4890
Coupling device	1/pkg	4893
Spare o-ring kit	1 set/pkg	4878
Manifold replacement valve	1/pkg	4894

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