

Metrical® Black PES Membrane Disc Filters

Contrasting membrane for microbiological analysis



- ▶ Dark background provides excellent contrast for counting opaque colonies in microbiology labs.
- ▶ Exclusive dot grid pattern does not enhance or inhibit colony growth.
- ▶ Certified for use in the Membrane Filter (MF) Technique as described in Standard Methods for the Examination of Water and Wastewater, current edition.
- ▶ Sharp contrast between black membrane and white grid line provides guidance while viewing and counting.
- ▶ Available non-sterile or in individual gamma-irradiated packs (S-packs) for critical applications.

Applications

- ▶ Excellent membrane for the isolation and enumeration of yeast and mold colonies.
- ▶ Spoilage organism monitoring and identification in food and beverage quality control laboratories.

Specifications

Filter Media

Hydrophilic modified polyethersulfone, black

Pore Size

0.45 and 0.8 μ m

Typical Thickness

0.45 μ m: 130 μ m (5.1 mils)
0.8 μ m: 147 μ m (5.8 mils)

Typical Water Flow Rate

mL/min/cm² at 0.7 bar
(70 kPa, 10 psi)
0.45 μ m: > 34
0.8 μ m: > 102

Minimum Bubble Point – Water

0.45 μ m: 1.6 bar (160 kPa, 23 psi)
0.8 μ m: 1.0 bar (100 kPa, 15 psi)

Gamma-Irradiated

Provided gamma-irradiated or non-sterile. Validated dose 15 - 30 kGy. Autoclavable if desired at 121 - 123 °C (250 - 253 °F) at 1.0 bar (100 kPa, 15 psi) for 15 - 20 min.

Ordering Information

Metrical Black Membrane Disc Filters

Part Number	Description	Pkg
60138	0.45 μ m, 25 mm, grid	100/pkg
60065	0.8 μ m, 25 mm, grid	100/pkg
66585	0.45 μ m, 47 mm, grid, gamma-irradiated (S-pack)	200/pkg
66586	0.45 μ m, 47 mm, grid	100/pkg
66587	0.8 μ m, 47 mm, grid, gamma-irradiated (S-pack)	200/pkg
66588	0.8 μ m, 47 mm, grid	100/pkg

Related Products

47 mm Magnetic Filter Funnels	221
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Petri Dishes	225, 274
Stainless Steel Forceps	225, 274
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