

GN-6 Metrical® MCE Membrane Disc Filters

Certified 0.45 µm membrane for microbiological analysis meets or surpasses regulatory requirements



- ▶ Mixed cellulose esters is the most accepted filter media for microbiological analysis, and provides maximum recovery of organisms.
- ▶ Unique dot grid pattern provides guidance for quantification of bacterial colonies without growth inhibition or enhancement.
- ▶ Suitable for microbiological analysis using the Membrane Filter (MF) Technique.
- ▶ Variety of packaging options meets any need. Available in gamma-irradiated, individually packaged S-packs, autoclave packs, or non-sterile packs.
- ▶ Use with Pall microbiological ampoule media for high growth levels and easy identification of contaminants.

Applications

- ▶ Certified for the microbiological analysis of potable, waste, process, and natural waters in accordance with the MF Technique referenced in *Standard Methods for the Examination of Water and Wastewater*, current edition, and the U.S. EPA's *Microbiological Methods for Monitoring the Environment*, 600/8-78-017.
- ▶ Ideal for isolation and enumeration of Total and Fecal Coliforms, *E. coli*, *Fecal Streptococcus*, fungi, and other heterotrophic organisms.

Specifications

Filter Media

Hydrophilic mixed cellulose esters

Pore Size

0.45 µm

Typical Thickness

152 µm (6 mils)

Typical Filter Weight

4 mg/cm²

Typical Water Flow Rate

> 65 mL/min/cm² at 0.7 bar
(70 kPa, 10 psi)

Maximum Operating Temperature – Water

74 °C (165 °F)

Typical Moisture Pick-Up

< 1% after 24 hr at 48% relative humidity at 23 °C (73 °F)

Extractables - Boiling Water

< 2%

Minimum Bubble Point - Water

1.8 bar (180 kPa, 26 psi)

Recovery

(measured vs. control)

> 90% *E. coli*

Refractive Index

1.512

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

GN-6 Metrical Membrane Disc Filters, 0.45 µm (S-Packs)

Part Number	Description	Pkg
66265	47 mm, plain, gamma-irradiated	200/pkg
66278	47 mm, grid, gamma-irradiated	200/pkg
66068	47 mm, grid, gamma-irradiated	1000/pkg
66191	47 mm, grid, gamma-irradiated	2000/pkg
66539	50 mm, grid, gamma-irradiated	200/pkg
60016	85 mm, grid, gamma-irradiated (not individually packed)	50/pkg

GN-6 Metrical Membrane Disc Filters, 0.45 µm (Autoclave Packages)

Part Number	Description	Pkg
63077	47 mm, grid, gamma-irradiated	100/pkg

GN-6 Metrical Membrane Disc Filters, 0.45 µm (Non-Sterile Packages)

Part Number	Description	Pkg
63066	13 mm, plain	100/pkg
63068	25 mm, plain	100/pkg
64191	25 mm, grid	100/pkg
64382	37 mm, plain, with support pads	100/pkg
63069	47 mm, plain	100/pkg
63020	47 mm, grid	100/pkg
66536	142 mm, plain	25/pkg

Related Products

MicroFunnel™ Filter Funnels 215