GN-6 MCE Membrane Disc Filters



Description

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

- Mixed cellulose esters is the most accepted filter media for microbiological analysis, and provides maximum recovery of organisms.
- Unique dot grid pattern gridline provides guidance for quantification of bacterial colonies without growth inhibition or enhancement.
- Suitable for microbiological analysis using the Membrane Filter (MF) Technique. Each box contains a signed certification for your permanent records.
- Variety of packaging options meets any need. Available in individually packaged S-Packs, Z-Packs for our Sentino[®] dispenser, or non-sterile packs.
- Use with Pall nutrient media for high growth levels and easy identification of contaminants.

Application

- 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, 20th 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

nyuroprine mixed cendiose

Pore Size 0.45 μm

Typical Thickness 114.3-190.5 (4.5-7.5 mils), depending on product

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

Wetting Time ≤ 15 seconds in water

Biological Tests Growth Promotion

The membranes demonstrate typical recovery of the target microorganisms listed below as directed per Standard Methods for Examination of Water and Wastewater:

≥ 90% batch average of E.coli ATCC 11229 on mFC and mENDO microbiology media (bacterial recovery)

Certifications

Regulatory Qualifications

QA lot release criteria are monitored for compliance to Standard Methods for Examination of Water and Wastewater.

These products are manufactured in a Pall facility under a Quality Management System and Environmental Management program approved by an accredited registering body to ISO 9001 and ISO 14001, respectively.

Irradiation Details

Our membranes are provided non-sterile or gamma irradiated with a maximum dosage of 30 kGy. A Quarterly Dose Audit on the membrane product family is conducted to demonstrate continued effectiveness of the dose deliverance as required in ANSI/AAMI/ISO 11137-2. Non-sterile membranes can be autoclaved at 121-123 °C (250-153 °F) at 1.0 bar (100 kPa, 15 psi) for 15-20 minutes.

Ordering Information

GN-6 Membrane, 0.45 µm (S-Packs)

Dart			
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	
68121	47 mm, grid, Sentino dispenser pack, gamma irradiated	1000/pkg	

GN-6 Membrane, 0.45 µm (Non-sterile Packages)

Part Number	Description	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



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The information provided in this literature was reviewed for accuracy at the time of publication. Product data may be subject to change without notice. For current information consult your local Pall distributor or contact Pall directly.

IF APPLICABLE Please contact Pall Corporation to verify that the product conforms to your national legislation and/or regional regulatory requirements for water and food contact use.

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