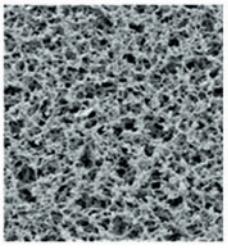
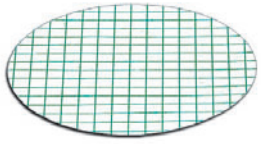
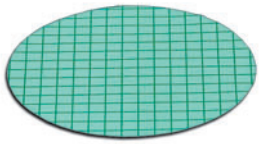
Gridded Membrane Filters

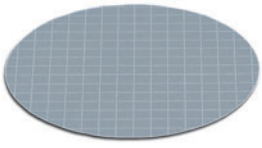
Cellulose Nitrate (Cellulose Mixed Ester), Individually, Sterile Packaged











Applications
Membrane filters for colony counting, particle testing and microscopy.

Benefits
Some of the advantages you will benefit from when using this type of membrane filter:

- Outstanding recovery rates for microorganisms
- 0.45 µm are acc. to ISO 7704
- High-Flow membranes available
- Three different colours available
- Certified quality
- Gamma irradiated, 25 kGrey
- Easy counting of colonies due to perfect visibility of grid lines

Specifications

Design	47 or 50 mm in diameter, white, grey or green and gridded
Growth Promotion Test acc. to ISO 7704	– No enhancement or inhibition by the grid lines – No enhancement or inhibition due to chemical extractables – No enhancement or inhibition by the sterilization process
Sterility test	Sterile
Thermal resistance	130°C max.
Thickness acc. to DIN 53105	115–145 µm
Chemical compatibility	Aqueous solutions (pH 4-8), hydrocarbons and several other organic solvents. Detailed information in section "Chemical Compatibility" under Cellulose Nitrate type 113 (page 113).

Typical Performance Rates for Various Pore Sizes

Pore size		0.2 µm*	0.45 µm**	0.45 µm High-Flow**	0.65 µm
Flow rate for water per cm^2 at 1 bar acc. to DIN 58355	in ml/min	20	70	100	130
Coliform retention	in %	100	100	100	n. a.
Recovery rate lot-released acc. to ISO 7704	in %	≥ 90	≥ 90	≥ 90	≥ 90

*) Pore size determined by quantitative retention of *Brevundimonas diminuta* in accordance with the ASTM Document F 838-83 (1993) Standard test method for determining bacterial retention of membrane filters utilized for liquid filtration.
**) Pore size determined by quantitative retention of *Serratia marcescens* in accordance with the Standard Methods of Water and Waste Water

Ordering Information

White Membrane with Black Grid, for Detection of Bacteria with Dyed Media, Particle Count and Microscopy, Type 114, Individually, Sterile Packaged

Pore Size	Diameter	Pack Size	Order No.
0.2 µm	47 mm	100	11407--47----ACN
	47 mm	1,000	11407--47----ACR
	50 mm	100	11407--50----ACN
	50 mm	1,000	11407--50----ACR
0.45 µm	47 mm	100	11406--47----ACN
	47 mm	1,000	11406--47----ACR
	50 mm	100	11406--50----ACN
	50 mm	1,000	11406--50----ACR
0.45 µm High-Flow*	47 mm	100	114H6--47----ACN
	47 mm	1,000	114H6--47----ACR
	50 mm	100	114H6--50----ACN
	50 mm	1,000	114H6--50----ACR
0.65 µm	47 mm	100	11405--47----ACN
	50 mm	100	11405--50----ACN
0.8 µm	47 mm	100	11404--47----ACN
	47 mm	1,000	11404--47----ACR
	50 mm	100	11404--50----ACN
1.2 µm	47 mm	100	11403--47----ACN
	47 mm	1,000	11403--47----ACR
	50 mm	100	11403--50----ACN
	50 mm	1,000	11403--50----ACR

White Membrane with Green Grid, for Detection of Bacteria with Dyed Media, Particle Count and Microscopy, Type 139, Individually, Sterile Packaged

0.45 µm	47 mm	100	13906--47----ACN
	47 mm	1,000	13906--47----ACR
	50 mm	100	13906--50----ACN
	50 mm	1,000	13906--50----ACR
0.45 µm High-Flow*	47 mm	100	139H6--47----ACN
	47 mm	1,000	139H6--47----ACR
	50 mm	100	139H6--50----ACN
0.65 µm	47 mm	100	13905--47----ACN
1.2 µm	47 mm	100	13903--47----ACN

Green Membrane with Dark-Green Grid, Providing Optimal Contrast to Light-Colored or Transparent Bacteria Colonies, Type 138, Individually, Sterile Packaged

0.45 µm	47 mm	100	13806--47----ACN
	47 mm	1,000	13806--47----ACR
	50 mm	100	13806--50----ACN
	50 mm	1,000	13806--50----ACR

Grey Membrane (After Wetting Black) with White Grid, for Detection of Yeasts and Molds, Particle Count and Microscopy, Type 130, Individually, Sterile Packaged

0.45 µm	47 mm	100	13006--47----ACN
	47 mm	1,000	13006--47----ACR
	50 mm	100	13006--50----ACN
	50 mm	1,000	13006--50----ACR
0.45 µm High-Flow	47 mm	100	130H6--47----ACN
	47 mm	1,000	130H6--47----ACR
	50 mm	100	130H6--50----ACN
	50 mm	1,000	130H6--50----ACR
0.65 µm	47 mm	100	13005--47----ACN
	50 mm	100	13005--50----ACN
	50 mm	1,000	13005--50----ACR
0.8 µm	47 mm	100	13004--47----ACN
	47 mm	1,000	13004--47----ACR
	50 mm	100	13004--50----ACN