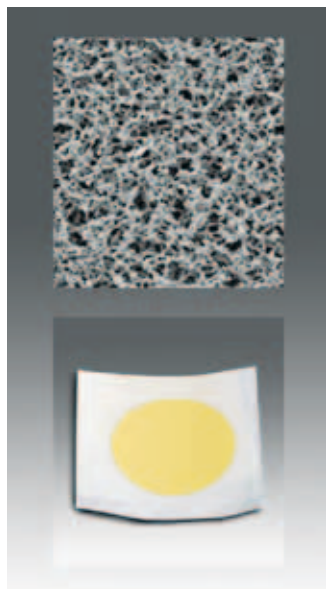


## Cellulose Nitrate (Cellulose Ester) and Cellulose Acetate Membrane Filters, White, Individually, Sterile Packaged



Sterile, individually packed filters have long become standard for routine microbiological quality control because of the user benefits they offer. They are pre-sterilized and ready-to-use and save preparatory time. As they are individually packed, they avoid the possibility of contaminating remaining filters in opened packs and conform with GLP, having filter identification and lot number printed on each individual envelope.

### Materials

The membranes are made of even cellulose nitrate (cellulose ester), a material which assures effective retention with high flow rates and optimum colony growth or cellulose acetate, a material which combines high flow rates and thermal stability with very low adsorption characteristics.

### Additional applications

11301, a white CN membrane filter with a pore size of 8  $\mu\text{m}$  is used as a prefilter in a special prefilter attachment (16807) for bacteriological analyses. It retains the coarse suspended particles, whereas it allows microorganisms to pass through. These microbes are trapped on the surface of the underlying bacteria-retentive membrane filter (e. g. 0.45  $\mu\text{m}$ ).

11107, a white CA membrane filter with a pore size of 0.2  $\mu\text{m}$  is the filter of choice for sterile filtration, such as nutrient media, buffer and sera. This membrane is validated by the Bacteria Challenge Test.

### Applications

Membrane filters for colony counting, sterility testing, particle testing and microscopy

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

- Outstanding recovery rates for microorganisms
- Defined particle retention
- 0.45  $\mu\text{m}$  are acc. to ISO 7704
- 0.2  $\mu\text{m}$  are validated by BCT
- Certified quality
- Gamma-irradiated, 25kGray

## Specifications

Design	25, 47 or 50 mm in diameter, white
Growth Promotion Test acc. to ISO 7704	<ul style="list-style-type: none"> <li>- No enhancement or inhibition by the sterilization process</li> <li>- No enhancement or inhibition due to chemical extractables</li> </ul>
Sterility test	Sterile
Thermal resistance	CN: 130°C max.   CA: 180°C max.
Thickness acc. to DIN 53105	CN: 115–145 µm   CA: 120 µm (average value)
Chemical compatibility	Aqueous solutions (pH 4–8), hydrocarbons and several other organic solvents. Detailed information in section "Chemical Compatibility" under Cellulose Nitrate type 113 and Cellulose Acetate type 111 (page 68).

### Cellulose nitrate membrane filters, white, for colony counting, sterility testing, particle count & microscopy, type 113, individually, sterile packaged

Pore size	Order No.	Diameter	Pack size
0.45 µm	11306--25----ACN	25 mm	100
	11306--47----ACN	47 mm	100
	11306--50----ACN	50 mm	100
0.65 µm	11305--47----ACN	47 mm	100
	11305--50----ACN	50 mm	100
0.8 µm	11304--47----ACN	47 mm	100
	11304--50----ACN	50 mm	100
1.2 µm	11303--47----ACN	47 mm	100
	11303--50----ACN	50 mm	100
3 µm	11302--47----ACN	47 mm	100
	11302--50----ACN	50 mm	100
8 µm	11301--47----ACN	47 mm	100
	11301--50----ACN	50 mm	100

### Cellulose acetate\* membrane filters, white, for colony counting, sterility testing, particle count & microscopy, type 111, individually, sterile packaged

0.2 µm	11107--47----ACN	47 mm	100
	11107--50----ACN	50 mm	100
0.45 µm	11106--47----ACN	47 mm	100
	11106--50----ACN	50 mm	100

\* If cellulose nitrate is not compatible