



ReliaDisc™ Membrane Filters

Ahlstrom-Munksjö's premium brands complete the portfolio in laboratory filtration.

Ahlstrom-Munksjö offers gridded sterile membranes packed individually specifically designed to save time when performing colony counting and microbiological quality control. These cellulose nitrate membranes are available in a 47 and 50 mm ready-to-use standard size and support optimum colony growth.

Ahlstrom-Munksjö supplies a wide range of plain white non-sterile microfiltration membranes used to remove particles and microorganisms from various organic solvents and aqueous solutions.

Ahlstrom-Munksjö ReliaDisc™ - Membrane Filters are offered in the most popular membrane materials for diverse applications including:

- Particle retention and collection
- Sterile filtration of solutions
- Microbiological applications for cell growth and colony counting
- Particulate analysis
- Air monitoring applications
- Microbiological analysis of potable and waste waters

Ahlstrom-Munksjö ReliaDisc™

- Wide variety of polymers and pore sizes available
- High lot-to-lot reliability and reproducibility for consistent filtration quality
- Ultra-pure production facility in Germany according to the highest quality control standards
- Various filter diameters and pack sizes available on demand
- Available in sterile or non-sterile packaging
- Gridded membrane filters available for easy colony counting

Benefits and Characteristics

Cellulose Acetate: low protein-binding, well suited for sterile filtration and clarification of aqueous solutions (pH 4-8), nutrient media, buffers, and sera. Also compatible with alcohol and oil. These hydrophilic membranes offer high and consistent flow rates. Maximum thermal stability: 180°C.

Cellulose Nitrate: set standard in both analytical and microbiological filtration. Available in a wide range of pore size and is well suited for microbial analysis in water, food and beverage application in the pH range 4-8. Maximum thermal stability: 130°C.

Regenerated Cellulose: hydrophilic (pH 3-12) and resistant to solvents. Typically used for HPLC sample preparation. Maximum thermal stability: 200°C.

Nylon (Polyamide): hydrophilic and widely used in both aqueous (pH 3-14) and organic solvent filtration applications. Well suited for clarification of buffers and nutrient media with a low level of extractables. Maximum thermal stability: 100°C.

PTFE: permanently hydrophobic filter material, very suitable for air and gas particulate filtration. Extremely resistant to aggressive solvents and acids (pH 1-14). Maximum thermal stability: 200°C. Must be pre-wetted with ethanol before the filtration of aqueous media.

ReliaDisc™ Sterile Gridded Microbiological Membranes

Membrane Type	Grid	Pore Size	Membrane Diameter (mm)	Pack of 100/1000	Pack of 3x100 for Auto Dispenser
Cellulose Nitrate	White / Black Grid	0.45 µm	47	760216 / 760217	760219
Cellulose Nitrate	White / Black Grid	0.45 µm	50	760242 / 760218	760220
Cellulose Nitrate*	White / Black Grid	0.45 µm	47	-	760222
Cellulose Nitrate*	White / Black Grid	0.45 µm	50	-	760223
Cellulose Nitrate	White / Black Grid	0.2 µm	47	760221 / 760241	-
Cellulose Nitrate	Grey / White Grid	0.45 µm	47	760243 / 760224	-
Cellulose Nitrate	Grey / White Grid	0.45 µm	50	760225 / 760226	760239
Cellulose Nitrate	Green / Dark Green Grid	0.45 µm	47	760244 / 760227	-
Cellulose Nitrate	Green / Dark Green Grid	0.45 µm	50	760228 / 760229	760231
Cellulose Nitrate	White / Green Grid	0.45 µm	47	760245 / 760232	-
Cellulose Nitrate	White / Green Grid	0.45 µm	50	760233 / 760234	-
Cellulose Nitrate**	Green / Dark Green Grid	0.45 µm	50	760246 / 760230	-

*High flow. **Nonsterile.

ReliaDisc™ Non-sterile Membrane Filtration Media

Membrane Type	Filter diameter (mm)	Pore Size (µm)	Flow Rate for water (mL/min)*	Pack of 100
Cellulose Acetate	25	0.45	65	760102
Cellulose Acetate	47	0.2 / 0.45	24 / 65	760107 / 760104
Cellulose Acetate	50	0.45	65	760105
Cellulose Acetate	90	0.45	69	760106
Cellulose Nitrate	25	0.45	70	760209
Cellulose Nitrate	47	0.45 / 0.65 / 0.8	70 / 130 / 200	760210 / 760208 / 760206
Cellulose Nitrate	47	1.2 / 5 / 8	320 / 570 / 750	760204 / 760212 / 760202
Cellulose Nitrate	50	0.45	70	760211
Cellulose Nitrate	50	0.8	200	760207
Cellulose Nitrate	90	3	430	760203
PTFE	25	0.45	20**	760151
PTFE	47	0.2 / 0.45 / 1.2	0.1 / 0.2 / 1.6**	760153 / 760152 / 760150
Regenerated Cellulose	47	0.45	30	760171
Nylon	47	0.45	>35	760181

* According to DIN 58355 (average values per cm² at 1 bar pressure).

** With isopropanol per cm² Δp = 1 bar/-15 psi. Other polymers, pore sizes, diameters are available for special order.

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