

Whatman™ Anopore™ Inorganic Membranes

Anopore™ inorganic membranes, circles, with/without support ring

Overview

Whatman™ Anopore™ inorganic membranes, supplied as Anodisc™ membrane filters, are an aluminum oxide membrane with a honeycomb pore structure that facilitates highly precise filtration. Their transparency and surface retention enable efficient light or electron microscopy.

- High pore density and narrow pore size distribution make it an extremely precise membrane.
- Hydrophilic membrane with wide solvent compatibility, reducing the need to stock a variety of membranes in the laboratory.
- No additives used in the manufacturing process ensures minimal extractables and no sample contamination.
- Extremely low protein binding minimizes sample loss.
- Virtually transparent when wet making it highly suitable for microscopy studies.
- Non-toxic for cellular growth.

Well suited for a wide range of laboratory filtration applications. This novel material has a precise, nondeformable honeycomb pore structure with no lateral crossovers between individual pores, that filters at precisely the stated cut-off, allowing no larger sized particles to pass through the membrane. Anopore™ inorganic membrane is composed of a high-purity alumina matrix that is manufactured electrochemically. The membrane also exhibits low protein binding, is nontoxic, and supports cellular growth.

Microorganisms and particulate material are captured on the surface of the membrane for subsequent analysis by light or electron microscopy. When wet, the membrane is virtually transparent, which means that retained particles do not need to be transferred to another surface before microscopic examination.

The membrane is hydrophilic and is compatible with most solvents and aqueous material. No monomers, plasticizers, adhesives, surfactants or wetting agents are used in the manufacturing process, which eliminates sample contamination and ensures low protein binding and minimal loss of sample.

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Can be provided with support ring - The membrane is peripherally bonded to an annular polypropylene ring (except the 13 mm diameter disc) for ease of handling and is suitable for both vacuum and pressure filtration.

Anopore™ is available in 3 nominal pore sizes: 0.02 µm, 0.1 µm, and 0.2 µm, and in 3 diameters: 13 mm, 25 mm, and 47 mm.

An alternative item number with low fluorescence levels may also be available - please enquire with your local Cytiva representative for more information.

Product specifications

Whatman™ Anodisc™ membrane filter circle with support ring, 0.02 µm, 47 mm (50/Pk)

Catalog code	6809-5002
Air flow rate	-
Diameter	47 mm
Liquid flow rate	-
Filter media	Aluminum oxide (Anopore)
Membrane type	Anodisc 47
Pack size	50/pack
Pore size	0.02 µm
Sterility (statement for yes*)	Non-sterile
Application	HPLC mobile phase filtration and degassing ; Ultra cleaning of solvents ; Gravimetric alysis ; Liposome extrusion ; Scanning electron microscopy studies ; Bacterial alysis by epifluorescence light microscopy ; Micrometer and nometer filtration ; Metal norods formation
Autoclavable	No
Construction process	Thermal weld
Hydrophilic	Yes
Max. operating temperature	40
Porosity	50% (Max.)
Protein adsorption (sp) - move to protein binding?	Low
Refractive index	1.6
Solvent resistance	Very good
Support ring	Yes
Support ring material	Polypropylene (PP)

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