i3 FlexiPor

Alumina oxide membrane

Lab/Pharma

The aluminum oxide membranes are typified chiefly by low adsorption, high chemical inertness and the exclusion of extractables. i3 FlexiPor membranes are ideal for microscopic analyses (Raman spectroscopy, SEM with X-ray microanalysis (EDX), FTIR spectroscopy), including sterility testing, because particles are held back on the smooth surface. The membranes offer complete protection against infectious pathogens, bacteriophages and viruses. i3 nanoporous membranes can also be used in tissue engineering for the cultivation of cells in tissue reconstruction and tissue culture. The material is not cytotoxic and provides a good surface for cell cultures. When these membranes are moistened they become nearly transparent and demonstrate minimal fluorescence.

Features

- HPLC sample and mobile phase filtration
- Synthesis of nanostructures such as nanotubes
- Epifluorescence microscopy
- Fast filtration, efficient separation and high purity
- High number of tightly controlled pores in honeycomb shape
- Free of organic extractables and leachables
- Minimum adsorption
- Literally transparent when wet

Your Companion
Life Science Filtration

Technical data

Pore size	0.02 µm	0.1 µm	0.2 µm
Membrane material	Anodized alumina	Anodized alumina	Anodized alumina
Thickness (µm)	60	60	60
Porosity	25-50 %	25-50 %	25-50 %
Maximum operating temp.	400° C	400° C	400° C
Autoclavable	yes	yes	yes
Hydrophilic	yes	yes	yes
Solvent resistance	high	high	high
Protein adsorption	low	low	low
Refractive index	1.6	1.6	1.6
Support ring	no	no	no

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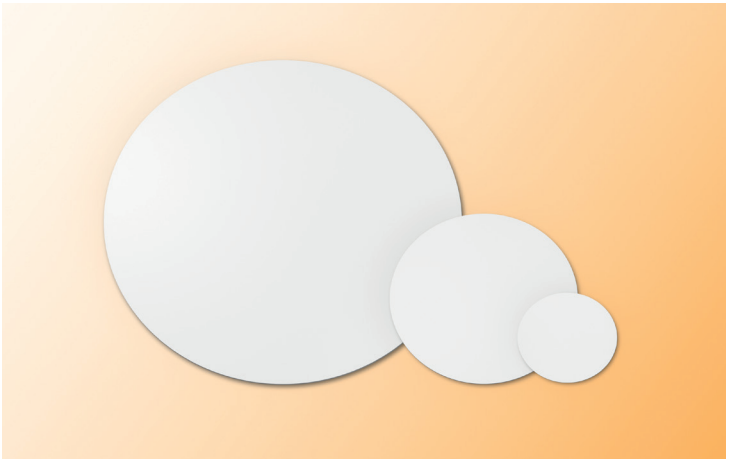
Order information

Diameter 13 mm

Art. no.	Pore size	Pcs./box
201-20001-**0013**	0.02 µm	10
201-20001-**0113**	0.1 µm	10
201-20001-**0213**	0.2 µm	10
201-20003-**0013**	0.02 µm	50
201-20003-**0113**	0.1 µm	50
201-20003-**0213**	0.2 µm	50
201-20004-**0013**	0.02 µm	100
201-20004-**0113**	0.1 µm	100
201-20004-**0213**	0.2 µm	100



Diameter 25 mm

Art. no.	Pore size	Pcs./box
201-20001-**0025**	0.02 µm	10
201-20001-**0125**	0.1 µm	10
201-20001-**0225**	0.2 µm	10
201-20002-**0025**	0.02 µm	25
201-20002-**0125**	0.1 µm	25
201-20002-**0225**	0.2 µm	25
201-20003-**0025**	0.02 µm	50
201-20003-**0125**	0.1 µm	50
201-20003-**0225**	0.2 µm	50

Diameter 47 mm

Art. no.	Pore size	Pcs./box
201-20001-**0047**	0.02 µm	10
201-20001-**0147**	0.1 µm	10
201-20001-**0247**	0.2 µm	10
201-20002-**0047**	0.02 µm	25
201-20002-**0147**	0.1 µm	25
201-20002-**0247**	0.2 µm	25
201-20003-**0047**	0.02 µm	50
201-20003-**0147**	0.1 µm	50
201-20003-**0247**	0.2 µm	50

Additional configurations available on request

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