

MEMBRANE-FILTER



Membrane Filter

The microporous membrane filter is mainly used for the filtration of mobile phase and samples during the chromatographic analysis, especially for preventing chromatographic column and infusion pump line system and sample valve from pollution. They are widely used for gravimetric analysis, microanalysis, colloid separation and sterility test. The filter membrane made of different materials, such as polyethersulfone (PES), nylon6, Nylon66 MCE and polytetrafluoroethylene (PTFE), PVDF etc. can be provided.

Nylon66

High quality nylon66 membranes are suitable for filtering aqueous solutions and most organic solvents. The membranes are suitable for use with a wide range of biological preparations and can be used where other membranes are unsuitable or difficult to use.

Nylon66 membranes are hydrophilic, eliminating the need for wetting agents that could be extracted when filtering aqueous solutions. The membranes are flexible, durable and tear resistant, and can be autoclaved at 121°C. This kind of membrane is imported from England.

Applications:

- * Filtration of aqueous and organic mobile phases
- * Vacuum degassing

Filtration of tissue culture media, microbiological media, buffers and solutions

PES

Our polyethersulfone (PES) membranes are hydrophilic, low protein binding and stable in alkaline pH. Available in a 0.8µm pore size, the PES membrane is recommended for aqueous applications and for biological samples. They are also an alternative choice for users requiring a filter that exhibits extremely low protein binding characteristics. This kind of membrane is imported from MEMBRANA company in Germany.

PTFE

PTFE membranes are particularly suitable for preparing samples for HPLC analysis. The hydrophobic nature of the membrane also has applications for air and gas sterilization. The membrane is laminated onto a non-woven polypropylene support web for improved strength and handling and can be used at temperatures up to 150°C.

PTFE is the membrane of choice for use with the aggressive solvents, liquids and gases that can attack other membranes. It is resistant to most acids, alkalis and solvents.

Applications:

One of the major applications for the PTFE filter is the clarification of corrosives, solvents and aggressive fluids. This includes the important requirement in HPLC analysis for sample filtration where any solid particles can cause permanent damage to the column. The 0.45µm pore size is normally used.

Mixed Cellulose Ester (MCE)

Our MCE membrane filters are modified to offer researchers the lowest binding filters available. Due to the extremely low binding characteristics, these filters provide higher throughputs than competitive offerings and reduce filter changes when filtering proteinaceous solutions.

Because of their unique strength and extremely low binding characteristics, Jinteng MCE membranes are ideal for protein and enzyme filtrations, tissue culture media sterilization, cold sterilization, biological fluid filtration and other filtration applications where maximum recovery of proteins is critical.

Features and Benefits:

- * Lowest binding material available
- * Hydrophilic
- * High throughput
- * Strength and dimension stability
- * Uniform pore structure

Applications:

- * Protein and enzyme filtration, sterilization
- * Biological fluid filtration sterilization
- * Tissue culture media sterilization
- * Diagnostic cytology
- * Receptor binding studies
- * Enhanced recovery of fastidious gram positive organisms

Ordering Information:

Catalogue No.	Product Name	Specification	Unit	Material	Source
TJMF0405	Membrane filter	Ø50 0.45u	100pcs/pack	PTFE	
TJMF0406	Membrane filter	Ø50 0.2u	100pcs/pack	MCE	
TJMF0407	Membrane filter	Ø50 0.45u	100pcs/pack	MCE	
TJMF0408	Membrane filter	Ø50 0.45u	100pcs/pack	PES	from MEMBRANA
TJMF0409	Membrane filter	Ø50 0.8u	100pcs/pack	PES	from MEMBRANA
TJMF0410	Membrane filter	Ø50 0.2u	100pcs/pack	Nylon6	
TJMF0411	Membrane filter	Ø50 0.45u	100pcs/pack	Nylon6	
TJMF0412	Membrane filter	Ø50 0.2u	100pcs/pack	Nylon66	from U.K
TJMF0413	Membrane filter	Ø50 0.45u	100pcs/pack	Nylon66	from U.K
TJMF0414	Membrane filter	Ø50 0.2u	100pcs/pack	PVDF	from U.K
TJMF0415	Membrane filter	Ø50 0.45u	100pcs/pack	PVDF	from U.K
TJMF0419	Membrane filter	Ø47 0.45u	100pcs/pack	PTFE	
TJMF0424	Membrane filter	Ø47 0.2u	100pcs/pack	MCE	
TJMF0425	Membrane filter	Ø47 0.45u	100pcs/pack	MCE	
TJMF0416	Membrane filter	Ø47 0.45u	100pcs/pack	PES	from MEMBRANA
TJMF0418	Membrane filter	Ø47 0.2u	100pcs/pack	Nylon6	
TJMF0426	Membrane filter	Ø47 0.45u	100pcs/pack	Nylon6	
TJMF0422	Membrane filter	Ø47 0.2u	100pcs/pack	Nylon66	from U.K
TJMF0423	Membrane filter	Ø47 0.45u	100pcs/pack	Nylon66	from U.K
TJMF0421	Membrane filter	Ø47 0.2u	100pcs/pack	PVDF	from U.K
TJMF0420	Membrane filter	Ø47 0.45u	100pcs/pack	PVDF	from U.K

We also have diameter 60mm, 58mm and so on. Various types is available.

