

Analytical Sample Preparation

Trust Merck Millipore membrane filtration devices for the collection and preparation of samples, mobile phases, and buffers to obtain the highest quality results from downstream analysis.

Merck Millipore's expert team of scientists understands the complexity of analytical separation and purification processes and supports your most difficult challenges in life science, environmental and industrial research.



Filter Membranes

A key sample preparation technique, microfiltration removes micron-range particles or biological entities from fluids by passage through a microporous medium, such as a membrane filter.

Filter membranes can be sterilized by autoclave (121°C at 1 bar) or EO.

Choose from our range of trusted membrane-based microfiltration sheets or discs:

Durapore Membrane Filters

Material: PVDF (Polyvinylidene fluoride)

Features: Lowest Protein Binding, High Flow rates, low extractables and broad chemical compatibility, white plain surface, thickness of 125µm.

Applications: Particulate removal. Compatible with aqueous solutions and some organic solvents.

Applications	Wettability	Catalogue No.	Pore Size (µm)	Filter Diameter (mm)	Qty/Pk
Mycoplasma reduction in biological solutions	Hydrophilic	VWLP01300	0.1	13	100
		VWLP02500	0.1	25	100
		VWLP04700	0.1	47	100
		VWLP09050	0.1	90	50
		VWLP14250	0.1	142	50
Sterilizing filtration of biological solutions	Hydrophilic	GVWP00010	0.22	304mm x 3m	1
		GVWP01300	0.22	13	100
		GVWP02500	0.22	25	100
		GVWP04700	0.22	47	100
		GVWP09050	0.22	90	50
		GVWP10050	0.22	100	50
		GVWP14250	0.22	142	50
Clarifying filtration of biological solutions	Hydrophilic	HVLP00010	0.45	304mm x 3m	1
		HVLP01300	0.45	13	100
		HVLP02500	0.45	25	100
		HVLP04700	0.45	47	100
		HVLP09050	0.45	90	50
		HVLP14250	0.45	142	50
Clarifying filtration of biological solutions	Hydrophilic	DVPP00010	0.65	304mm x 3m	1
		DVPP01300	0.65	13	100
		DVPP02500	0.65	25	100
		DVPP04700	0.65	47	100
		DVPP08250	0.65	82	50
		DVPP09050	0.65	90	50
		DVPP14250	0.65	142	50
Clarifying filtration of biological solutions; particle monitoring	Hydrophilic	SVLP01300	5	13	100
		SVLP02500	5	25	100
		SVLP04700	5	47	100
		SVLP09050	5	90	50
		SVWG04700	5	47	100 ¹⁾
Air sterilization, gas sterilization	Hydrophobic	VWHP04700	0.1	47	100
Air sterilization, gas sterilization, solvent filtration	Hydrophobic	GVHP01300	0.22	13	100
		GVHP02500	0.22	25	100
		GVHP04700	0.22	47	100
		GVHP09050	0.22	90	50
		GVHP14250	0.22	142	50
		GVHP00010	0.22	304mm x 3m	1

¹⁾ Gridded

Applications	Wettability	Catalogue No.	Pore Size (µm)	Filter Diameter (mm)	Qty/Pk
Air clarification, gas filtration, solvent filtration	Hydrophobic	HVHP01300	0.45	13	100
		HVHP02500	0.45	25	100
		HVHP04700	0.45	47	100
		HVHP09050	0.45	90	50
		HVHP14250	0.45	142	50

Express® Plus Membrane Filters

Material: PES (polyethersulfone)

Features: High throughput and low protein binding, white plain surface, thickness $\geq 150\mu\text{m}$ and $\leq 200\mu\text{m}$.

Applications: Clarification and sterilization of fluids. Ideal for hard-to-filter solutions, filtration of tissue culture media, additives, buffers and other aqueous solutions. Used in many of our ready-to-use sterile filtration devices.

Catalogue No.	Pore Size (µm)	Filter Diameter (mm)	Qty / Pk
GPWP01300	0.22	13	100
GPWP02500	0.22	25	100
GPWP04700	0.22	47	100
GPWP09050	0.22	90	50
GPWP14250	0.22	142	50
HPWP01300	0.45	13	100
HPWP02500	0.45	25	100
HPWP04700	0.45	47	100
HPWP09050	0.45	90	50
HPWP14250	0.45	142	50

Isopore™ Membrane Filters

Material: Track-etched Polycarbonate

Features: Smooth, glass-like surface, recommended for all analyses in which the sample is viewed on the surface of the membrane. Hydrophilic, thickness of 7 - 22µm.

Applications: Environmental / Air analysis. Use with aqueous solutions and some organic solvents. For use with optical - or electron microscopy , low background interference.

Applications	Filter colour	Catalogue No.	Pore Size (µm)	Filter Diameter (mm)	Qty / Pk
Chemotaxis, bioassays, cytology, air monitoring	White	VCTP01300	0.1	13	100
		VCTP02500	0.1	25	100
		VCTP04700	0.1	47	100
		VCTP14250	0.1	142	50
Chemotaxis, bioassays, cytology, air monitoring, SEM analysis, sterility testing	White	GTPP01300	0.22	13	100
		GTPP02500	0.22	25	100
		GTPP03700	0.22	37	100
		GTPP04700	0.22	47	100
		GTPP09030	0.22	90	30
		GTPP14250	0.22	142	50
Epifluorescent microscopy, particle monitoring, air monitoring	Black	GTBP01300	0.22	13	100
		GTBP02500	0.22	25	100
		GTBP04700	0.22	47	100

Applications	Filter colour	Catalogue No.	Pore Size (µm)	Filter Diameter (mm)	Qty / Pk
Adsorbable organic halides (AOX), air monitoring, particle monitoring	White	HTTP01300	0.4	13	100
		HTTP02500	0.4	25	100
		HTTP03700	0.4	37	100
		HTTP04700	0.4	47	100
		HTTP09030	0.4	90	30
		HTTP14250	0.4	142	50
Epifluorescence microscopy, particle monitoring, air monitoring	Black	HTBP01300	0.4	13	100
		HTBP02500	0.4	25	100
		HTBP04700	0.4	47	100
Reflective light microscopy, SEM analysis, gravimetric analysis, air monitoring	White	DTP02500	0.6	25	100 ³⁾
		DTP04700	0.6	47	100 ⁴⁾
		DTP01300	0.6	13	100 ²⁾
		DTP14250	0.6	142	50 ⁵⁾
Reflective light microscopy, SEM analysis, gravimetric analysis, air monitoring, asbestos monitoring	White	ATTP01300	0.8	13	100 ²⁾
		ATTP03700	0.8	37	100 ⁴⁾
		ATTP04700	0.8	47	100 ⁵⁾
		ATTP14250	0.8	142	50 ⁶⁾
		ATTP02500	0.8	25	100 ³⁾
Chemotaxis, bioassays, cytology, air monitoring	White	RTTP01300	1.2	13	100
		RTTP02500	1.2	25	100
		RTTP04700	1.2	47	100
		RTTP14250	1.2	142	50
		TTTP02500	2	25	100
		TTTP04700	2	47	100
		TSTP02500	3	25	100 ³⁾
		TSTP04700	3	47	100 ⁴⁾
		TSTP14250	3	142	50 ⁵⁾
		TSTP01300	3	13	100 ²⁾
Parasitology, chemotaxis, bioassays, cytology, air monitoring	White	TMTP01300	5	13	100
		TMTP02500	5	25	100
		TMTP04700	5	47	100
		TMTP09030	5	90	30
		TMTP14250	5	142	50
Chemotaxis, bioassays, cytology, air monitoring	White	TETP01300	8	13	100
		TETP02500	8	25	100
		TETP04700	8	47	100
		TETP09030	8	90	30
		TETP14250	8	142	50
		TCTP01300	10	13	100
		TCTP02500	10	25	100
		TCTP04700	10	47	100
		TCTP14250	10	142	50

²⁾ Monitor refills with thin absorber pads for aerosol monitoring

³⁾ Gravimetric measurement: 50 pair MF matched weight pairs

⁴⁾ Water monitoring and air monitoring

⁵⁾ Monitor refills with thick absorber pads for liquid monitoring

⁶⁾ Monitor refills: matched weight pairs with thick absorbent pads for liquid monitoring

MF-Millipore Membrane Filters

Material: MCE (mixed cellulose esters - Biologically inert mixtures of cellulose acetate and cellulose nitrate)

Features: General / Buffer filtration and particle monitoring.

Applications: Air monitoring and contamination analysis for fuels and hydraulic fluids. Clarification and sterilization of fluids / buffers. The most widely used membranes in analytical and research applications. Hydrophilic.

MF-Millipore filters without Triton® surfactant contain minimum amounts of wetting agent and have a lower water extractable content than standard MF-Millipore filters.

Applications	Filter Colour	Catalogue No.	Pore Size (µm)	Filter Diameter (mm)	Qty/Pk
Standard MF-Millipore Membranes white, plain					
Micro dialysis of DNA and proteins	White	VSWP01300	0.025	13	100
		VSWP02500	0.025	25	100
		VSWP04700	0.025	47	100
		VSWP09025	0.025	90	25
		VSWP14250	0.025	142	50
		VSWP29325	0.025	293	25
		VMWP01300	0.05	13	100
		VMWP02500	0.05	25	100
		VMWP04700	0.05	47	100
		VMWP09025	0.05	90	25
		VCWP01300	0.1	13	100
		VCWP02500	0.1	25	100
		VCWP04700	0.1	47	100
		VCWP09025	0.1	90	25
		VCWP14250	0.1	142	50
		VCWP29325	0.1	293	25
Sterilizing filtration, bioassays	White	GSWP01300	0.22	13	100
		GSWP02400	0.22	24	100
		GSWP02500	0.22	25	100
		GSWP04700	0.22	47	100
		GSWP03700	0.22	37	100 ²⁾
		GSWP09000	0.22	90	100
		GSWP14250	0.22	142	50
		GSWP29325	0.22	293	25
		GSWP09050	0.22	90	50
Sterilizing filtration, air monitoring, particle monitoring, particle removal, bioassays	White	PHWP02500	0.3	25	100
		PHWP04700	0.3	47	100
		PHWP09025	0.3	90	25
		PHWP14250	0.3	142	50
		PHWP29325	0.3	293	25

²⁾ Monitor refills with thin absorber pads for aerosol monitoring

Applications	Filter Colour	Catalogue No.	Pore Size (µm)	Filter Diameter (mm)	Qty/Pk
Clarification of aqueous solutions, particle removal and analysis, microbiology analysis	White	HAWP01300	0.45	13	100
		HAWP02400	0.45	24	100
		HAWP03700	0.45	37	100 ²⁾
		HAWP04700	0.45	47	100
		HAWP04700F1	0.45	47	100 ⁴⁾
		HAWP0470M	0.45	47	50 pr ³⁾
		HAWP02500	0.45	25	100
		HAWP05000	0.45	50	100
		HAWP09000	0.45	90	100
		HAWP14250	0.45	142	50
		HAWP29325	0.45	293	25
Particle monitoring, particle removal, dairy microbiology, retention of yeasts, moulds and algae	White	DAWP01300	0.65	13	100
		DAWP02500	0.65	25	100
		DAWP04700	0.65	47	100
		DAWP09025	0.65	90	25
		DAWP14250	0.65	142	50
		DAWP29325	0.65	293	25
Air monitoring, particle monitoring, particle removal, bioassays	White	AAWP01300	0.8	13	100
		AAWP02500	0.8	25	100
		AAWP03700	0.8	37	100 ²⁾
		AAWP037PM	0.8	37	50 pr ⁶⁾
		AAWP037P0	0.8	37	100 ⁵⁾
		AAWP04700	0.8	47	100
		AAWP0470M	0.8	47	50 pr ³⁾
		AAWP09000	0.8	90	100
		AAWP09050	0.8	90	50
		AAWP14250	0.8	142	50
		AAWP29325	0.8	293	25
Clarification of aqueous solutions	White	RAWP01300	1.2	13	100
		RAWP02500	1.2	25	100
		RAWP03700	1.2	37	100
		RAWP04700	1.2	47	100
		RAWP09025	1.2	90	25
		RAWP29325	1.2	293	25
		RAWP14250	1.2	142	50
QC of fluid holding tanks, fluid monitoring, air monitoring, particle collection and analysis	White	SSWP01300	3	13	100
		SSWP04700	3	47	100
		SSWP02500	3	25	100
		SSWP09025	3	90	25
		SSWP14250	3	142	50
		SSWP304F0	3	330mm x 330mm	10
		SSWP29325	3	293	25

²⁾ Monitor refills with thin absorber pads for aerosol monitoring

³⁾ Gravimetric measurement: 50 pair MF matched weight pairs

⁴⁾ Water monitoring and air monitoring

⁵⁾ Monitor refills with thick absorber pads for liquid monitoring

⁶⁾ Monitor refills: matched weight pairs with thick absorbent pads for liquid monitoring

Applications	Filter Colour	Catalogue No.	Pore Size (µm)	Filter Diameter (mm)	Qty/Pk
QC of fluid holding tanks, fluid monitoring, particle collection and analysis	White	SMWP01300	5	13	100
		SMWP0190R	5	19 x 42mm	100 ⁷⁾
		SMWP02400	5	24	100
		SMWP02500	5	25	100
		SMWP03700	5	37	100 ²⁾
		SMWP04700	5	47	100
		SMWP09025	5	90	25
		SMWP14250	5	142	50
		SMWP29325	5	293	25
QC of fluid holding tanks, fluid monitoring, air monitoring, particle collection and analysis	White	SCWP01300	8	13	100
		SCWP0190R	8	19 x 42mm	100 ⁷⁾
		SCWP02500	8	25	100
		SCWP04700	8	47	100
		SCWP09025	8	90	25
		SCWP14250	8	142	50
		SCWP29325	8	293	25
		SCWP304F0	8	330mm x 330mm	10
Standard MF–Millipore Membranes white, gridded					
	White	HAWG04705	0.45	47	500 ⁴⁾
		HAWG01300	0.45	13	100
		HAWG02500	0.45	25	100
		HAWG03700	0.45	37	100 ²⁾
		HAWG04700	0.45	47	100
		HAWG04705	0.45	47	500
		AAWG01300	0.8	13	100
		AAWG0250C	0.8	25	100 ⁸⁾
		AAWG03700	0.8	37	100
		AAWG04700	0.8	47	100
		RAWG02500	1.2	25	100
		RAWG0250C	1.2	25	100 ⁸⁾
		RAWG04700	1.2	47	100
Standard MF–Millipore Membranes, black, plain					
Fluorescent bacteriological assays, particle monitoring, bioassays	Black	HABP02500	0.45	25	100
		HABP04700	0.45	47	100
Fluorescent assays, particle monitoring, air monitoring	Black	AABP02500	0.8	25	100
		AABP04700	0.8	47	100

²⁾ Monitor refills with thin absorber pads for aerosol monitoring

⁴⁾ Water monitoring and air monitoring

⁷⁾ For Cytology

⁸⁾ Cut from specifically selected and controlled roll stock to avoid contamination by fibers. For asbestos monitoring applications.

Applications	Filter Colour	Catalogue No.	Pore Size (µm)	Filter Diameter (mm)	Qty/Pk
Standard MF–Millipore Membranes, black, gridded					
Fluorescent assays, particle monitoring, air monitoring	Black	AABG01300	0.8	13	100
		AABG02500	0.8	25	100
		AABG03700	0.8	37	100 ²⁾
		AABG04700	0.8	47	100
		HABG01300	0.45	13	100
		HABG02500	0.45	25	100
		HABG04700	0.45	47	100
MF–Millipore Membranes without Triton surfactant white, plain					
For biological solutions, cell contact, or very small volumes, requiring surfactant-free surfaces	White	GSTF01300	0.22	13	100
		GSTF02500	0.22	25	100
		GSTF04700	0.22	47	100
		GSTF09000	0.22	90	100
		GSTF10050	0.22	100	50
		GSTF14250	0.22	142	50
		GSTF29325	0.22	293	25
		HATF01300	0.45	13	100
		HATF02500	0.45	25	100
		HATF04700	0.45	47	100
		HATF08250	0.45	82	50 ⁹⁾
		HATF08550	0.45	85	50 ⁹⁾
		HATF09025	0.45	90	25
		HATF10050	0.45	100	50 ⁹⁾
		HATF14250	0.45	142	50
		HATF29325	0.45	293	25 ⁹⁾
		RATF04700	1.2	47	100
RATF14250	1.2	142	50		
RATF29325	1.2	293	25		

²⁾ Monitor refills with thin absorber pads for aerosol monitoring

⁹⁾ Immobilon - NC Membrane

Colony/plaque lifts, dot/slot blotting, cell culture, clarification of aqueous solutions.

Fluoropore, Mitex, Omnipore, and LCR Membrane Filters

Material: PTFE (polytetrafluoroethylene)

Features: High flow rate and broad chemical compatibility

Applications: Clarification of acids, bases, solvents, and analysis of hydraulic fluids. Broad chemical compatibility.

Fluoropore - Hydrophobic PTFE membrane bonded to a high density polyethylene support (FHUP has no backing). Fluoropore membranes provide broad chemical compatibility.

Mitex - Unsupported hydrophobic PTFE membrane. It can be used under extreme chemical or temperature conditions that other membranes cannot withstand (up to 260 °C).

LCR - Unsupported hydrophilic PTFE membrane compatible with all commonly used HPLC solvents. It can be used to filter aqueous fluids without prior wetting. Available in syringe filters.

Omnipore - Hydrophilic PTFE compatible with virtually all solvents, acids, and alkaline solutions (for HPLC solvent filtration, use LCR membrane).

Applications	Catalogue No.	Pore Size (µm)	Filter Diameter (mm)	Qty/Pk
Fluoropore (PTFE) Membrane Filters (hydrophobic, laminated)				
Clarifying acids, bases, and solvents, air monitoring, filtering or venting gases, UV spectroscopy	FGLP01300	0.22	13	100
	FGLP02500	0.22	25	100
	FGLP04700	0.22	47	100
	FGLP09050	0.22	90	50
	FGLP14250	0.22	142	50
	FGLP29325	0.22	293	25
	FHLP01300	0.45	13	100
	FHLP02500	0.45	25	100
	FHLP03700	0.45	37	100
	FHLP04700	0.45	47	100
	FHLP09050	0.45	90	50
	FHLP14250	0.45	142	50
	FHLP29325	0.45	293	25
	FALP01300	1	13	100
	FALP02500	1	25	100
	FALP03700	1	37	100
	FALP04700	1	47	100
	FALP09050	1	90	50
	FALP14250	1	142	50
	FALP29325	1	293	25
	FSLW02500	3	25	100
	FSLW03700	3	37	100
	FSLW04700	3	47	100
	FSLW09025	3	90	25
	FSLW14200	3	142	10
	FSLW29300	3	293	5
	FHUP04700	0.45	47	100 ¹⁰⁾

¹⁰⁾ Unlaminated

Applications	Catalogue No.	Pore Size (µm)	Filter Diameter (mm)	Qty/Pk
Mitex (PTFE) Membranes (hydrophobic)				
Clarifying acids, bases, and cryogenic fluids, clarifying propellants, analyzing hydraulic fluids, isolating RNA	LSWP01300	5	13	100
	LSWP02500	5	25	100
	LSWP03700	5	37	100
	LSWP04700	5	47	100
	LSWP09025	5	90	25
	LSWP14250	5	142	50
	LSWP29325	5	293	25
	LCWP01300	10	13	100
	LCWP02500	10	25	100
	LCWP04700	10	47	100
	LCWP09025	10	90	25
	LCWP14250	10	142	50
	LCWP29325	10	293	25
Mitex (PTFE) Membrane Filters (gridded, hydrophobic)				
Clarifying acids, bases, and cryogenic fluids, clarifying propellants, analyzing hydraulic fluids, isolating RNA	LSWG02500	5	25	100
	LSWG04700	5	47	100
	LCWG02500	10	25	100
	LCWG04700	10	47	100
LCR (PTFE) Membranes (hydrophilic)				
Clarifying acids, bases, cryogenic fluids, and dilute protein solutions, clarifying propellants, analyzing hydraulic fluids, isolating RNA	FHLC01300	0.45	13	100
	FHLC02500	0.45	25	100
	FHLC04700	0.45	47	100

Applications	Catalogue No.	Pore Size (µm)	Filter Diameter (mm)	Qty/Pk
Omnipore (PTFE) Membranes (hydrophilic)				
Clarifying acids, alkaline solutions, and virtually all solvents	JVWP01300	0.1	13	100
	JVWP02500	0.1	25	100
	JVWP04700	0.1	47	100
	JVWP09025	0.1	90	25
	JVWP14225	0.1	142	25
	JGWP01300	0.2	13	100
	JGWP02500	0.2	25	100
	JGWP04700	0.2	47	100
	JGWP09025	0.2	90	25
	JGWP14225	0.2	142	25
	JHWP01300	0.45	13	100
	JHWP02500	0.45	25	100
	JHWP04700	0.45	47	100
	JHWP09025	0.45	90	25
	JHWP14225	0.45	142	25
	JAWP01300	1	13	100
	JAWP02500	1	25	100
	JAWP04700	1	47	100
	JAWP09025	1	90	25
	JAWP14225	1	142	25
	JMWP01300	5	13	100
	JMWP02500	5	25	100
	JMWP04700	5	47	100
	JMWP09025	5	90	25
	JMWP14225	5	142	25
	JCWP01300	10	13	100
	JCWP02500	10	25	100
	JCWP04700	10	47	100
	JCWP09025	10	90	25
	JCWP14225	10	142	25

Microfiltration Membrane Support Materials

Material: White Cellulose-based pads; spacers are woven from Dacron filaments - plain surface

Applications: Cellulose pads reinforce filters in Merck Millipore's monitors for contamination analysis. Spacers separate membranes to prevent "blinding" of membranes during 2-stage serial filtration. Cellulose support pads are used to reinforce filters in Millipore's monitors for contamination analysis. When saturated with growth medium, they can also be used for culturing microorganisms on membranes. They increase flow rate and throughput.

Catalogue No.	Product Name	Filter Diameter (mm)	Qty/Pk
AP1001300	Absorbent Pad	13	100
AP1002500	Absorbent Pad	25	100
AP1003700	Cellulosic Absorbent Pad	37	100
AP1004700	Cellulosic Absorbent Pad	47	100
AP30034P0	Thick Absorbent Pad	34	100
AP3204200	Woven Mesh Spacer	42	100
AP3212450	Woven Mesh Spacer	124	50

Pre-filtration membranes

Add an upstream pre-filter to extend the lifespan and throughput of your filter. Organic solvents are most often pre-filtered through polypropylene pre-filters. Aqueous solutions are most widely clarified with glass fibre pre-filters with binder resin, which have superior wet strength and can collect dirt from heavily contaminated liquids.

The following membranes can be used for pre-filtration:

MF – Millipore membrane filters

Material: MCE (mixed cellulose esters); **Features:** Pore sizes up to 8µm; **Applications:** Air monitoring and contamination analysis for fuels and hydraulic fluids. Clarification and sterilization of fluids/buffers.

Nylon Membrane and Net filters

Features: Low organic extractables and broad chemical compatibility; **Applications:** Particle analysis, large particle filtration, prefiltration of solvents. Compatible with a broad range of solvents; **Nylon membrane pore sizes available:** 0,22µm and 0,45µm; **Nylon Net pore sizes available:** 0,8µm 1,2µm 10µm 11µm 20µm 30µm 40µm 60µm 80µm 100µm 120µm 140µm 160µm and 180µm

Glass and Quartz Fiber filters

Features: High dirt loading capacity, binder-less options, low heavy metal content; **Applications:** Prefiltration, total suspended solids, TCLP, heavy metals analysis, PM10; **Glass fiber with binder resin** - retention rate range: 0,2 - 0,6µm or 0,8 - 8,0µm; **Glass fiber without binder resin** - retention rate range: 0,7µm 1,0µm 1,2µm 1,6µm and 2,7µm **Quartz filters** - thickness: 430µm.

Polypropylene pre-filter

Features: High dirt loading capacity, high retention, hydrophobic, broad thermal compatibility **Applications:** Pre-filtration of organic solvents. Compatible with a broad range of solvents and aqueous solutions **PP pre filters available pore sizes:** 0,6µm 1,2µm 2,5µm 5µm 10µm and 30µm **PP Net filters available pore sizes:** 25µm 45µm and 80µm.

RW Pre-filter

Material: Mixed cellulose esters around a polyester web; **Features:** High dirt loading capacity; non-shedding; low pressure drop; **Applications:** Pre-filtration. Use mainly with aqueous solutions and gases. Pre-filtration before 0,22µm. Pre-filtration before 0,45µm. Pre-filtration before 1,2µm.

PVC Membrane filters

Material: polyvinyl chloride; **Features:** medical grade PVC; **Applications:** Air monitoring; **Pore sizes available:** 0,8µm or 5µm.

Fluoropore, Mitex, Omnipore, and LCR Membrane Filters

Material: PTFE (polytetrafluoroethylene); **Features:** High flow rate and broad chemical compatibility; **Applications:** Clarification of acids, bases, solvents, and analysis of hydraulic fluids. Broad chemical compatibility.

Vacuum Filtration Holders

Choose the proper filter holder based on sample volume, sterilization requirements and chemical compatibility requirements. Merck Millipore provides a wide assortment of filter holders and related hardware to support your filtration of aqueous and organic solutions.

Glass Vacuum Filter Holders



Glass Microanalysis Filter Holders 25mm

Use to vacuum filter small volumes of liquids for particulate or biological contamination analysis. Filter support is available in fritted glass or stainless steel. Graduated funnel capacity: 15ml
Cat: XX1002500 - Glass filter support
Cat: XX1002530 - Stainless Steel filter support



All-Glass Filter Holder for 47mm disc filters

Vacuum filter aqueous, organic or corrosive liquids for particulate contamination analysis. Also recommended for HPLC solvent filtration. Glass funnel capacity: 300ml
Cat: XX1504700



Glass Filter Holders for 47mm disc filters

With borosilicate glass funnel and base, anodized aluminium spring clamp, silicone stopper, coarse-frit glass filter support and PTFE-faced funnel and base.

Cat: XX1004700 - Glass filter support for bacteriological analysis/susp. solids in water

Cat: XX1004720 - PTFE-faced filter support for bacteriological analysis (need to autoclave)

Cat: XX1004730 - Stainless Steel screen filter support for particulate contamination analysis of oils/hydraulic fluids.

Also for Cytology applications.



All-Glass Filter Holder for 90mm disc filters

Vacuum filter aqueous, organic or corrosive liquids for particulate contamination analysis. Also recommended for HPLC solvent filtration. Cat: XX1009020

MilliSolve™ Filtration System for solvent/buffer filtration using 47mm disc filters

Automatic, continuous solvent and buffer filtration. The 2L receiving flask includes plug and tubing for easy storage of filtrate. Cat: XX1604700



Stainless Steel Vacuum Filter Holders



Analytical Stainless Steel Filter Holder for 13mm disc filters

Use to vacuum filter small volumes of liquids for precise particulate contamination analysis.

Funnel capacity: 40ml
Cat: Funnel only XX3001240



Analytical Filter Holders for 25mm and 47mm disc filters

Use to vacuum filter liquids for bacteriological or particulate contamination analysis. Filter holders can be autoclaved or flame-sterilized.

Cat: XX1002540 - 50ml filter holder, 25mm
Cat: XF2004710 - 100ml filter holder, 47mm
Cat: XF2004725 - 250ml filter holder, 47mm



Hydrosol Stainless Filter Holder for 47mm disc filters

Particulate or biological contamination analysis via vacuum filtration. Includes grounding set for use with flammable liquids.

Funnel capacity: 650ml
Cat: XX2004720



Epifluorescence Stainless Steel Filter Holder for 13mm disc filters

Vacuum-filter liquids for bacteriological analysis by epifluorescence technique. Funnel capacity: 250ml
Cat: XF3001200

Filter holder Manifolds available for 47mm filters: 3-place PVC (Cat: XX2604735) ; 3-place Stainless Steel (Cat: XX2504735) and 6-place Stainless Steel (Cat: XX2504700)

Polymeric Vacuum Filter Holders



1225 Sampling Manifold for 25mm disc filters

Simultaneously vacuum filter 12 samples for rapid retentate or filtrate analysis. Numbered positions on the filter plate assure accurate sample tracking. Sealing stoppers maintain vacuum on unused sample cups. Accessory extension barrels increase sample volumes from 15 to 50ml.

Cat: XX2702550



Sterifil® Aseptic System and Holder for 47mm disc filters

Used for general filtration applications and filtration of samples for particulate or biological contamination analysis. The closed unit protects sample and filtrate from environmental contamination. Sterifil holder and funnel available separately (without receiver flask and cover) to use with standard 1 L vacuum filtering flask or multiple place manifold.

Cat: XX1104700

Accessories

Portable Vacuum / Pressure Pumps

For consistent vacuum or pressure anywhere in your lab. Millipore offers two portable pumps that provide a reliable vacuum / pressure source for life science, environmental, and industrial applications.

Cat. No	Description	Specifications
WP62 220 50	High Output Vacuum / Pressure Pump	27.2 in. Hg vacuum, Piston-driven for greater power
WP61 220 50	Chemical Duty Vacuum / Pressure Pump	24 in. Hg vacuum, For use with corrosive chemicals and solvents, Tolerates solvent vapour and some moisture



Millivac™ Vacuum Pumps

Millivac vacuum pumps are compact, maintenance free pumps that provide a consistent source of vacuum for filtration and other laboratory applications. A patented diaphragm design has reduced the footprint of the pumps.

Cat. No	Description	Specifications
XF5423050	Millivac-Mini Vacuum Pump	6 L/min max vacuum, Hose connector for 4mm I.D. Tubing
SD1P014M04	Millivac-Maxi Vacuum Pump	16 L/min max vacuum, Hose connector for 6mm I.D. Tubing



Filter flasks and accessories

Side arm connects to vacuum source with 3/8" I.D. hose. 1 L and 4 L flasks accept No. 8 perforated stopper. 125 ml flask accepts No. 5 stopper.

Catalogue No.	Description	Qty/Pk
XX1002505	Vacuum filtering flask, 125 ml	1
XX1004705	Vacuum filtering flask, 1 L	1
XX1004744	Vacuum filtering flask, 4 L	1
XX1504705	Ground joint flask, 1 L	1
XX7100004	Tubing, 3/16 in. ID x 140 cm, silicone	1
XX1002508	No. 5 perforated stopper, silicone	5
XX1004708	No. 8 perforated stopper, silicone	5
XX6200006P	Filter forceps, blunt end, stainless steel	3
XX2004718	No. 8 stopper, 9,5mm hole, silicone	1



Please visit www.merckmillipore.co.za

Go to: **Lab Filtration**



Samplicity for HPLC Sample Prep

The Samplicity Filtration System moves sample prep for HPLC in a flexible, new direction!

Powered by vacuum, the system takes minimal manual effort to filter one sample or eight, of virtually any viscosity or composition, into standard HPLC vials in seconds.

Just attach a vacuum pump, load your samples, and flip the lever. Recover your particulate-free samples in seconds, with higher recovery than syringe filters provide.

Samplicity Systems and Accessories

SAMPSYSGR	Samplicity Filtration System, Glossy Green
SAMPSYSBL	Samplicity Filtration System, Bold Blue
SAMPLGOGR	Samplicity Filtration System, Glossy Green, Bundle with 0,2um PTFE 96/pk
SAMPLCRBL	Samplicity Filtration System, Bold Blue, Bundle with 0,45um PTFE 96/pk
SAMPLGOBL	Samplicity Filtration System, Bold Blue, Bundle with 0,2um PTFE 96/pk
SAMPLCRGR	Samplicity Filtration System, Glossy Green, Bundle with 0,45um PTFE 96/pk
SAMPHVOGR	Samplicity Filtration System, Glossy Green, Bundle with 0.45um PVDF 96/pk
SAMPHVOBL	Samplicity Filtration System, Bold Blue, Bundle with 0.45um PVDF 96/pk
SAMPLCRBLP	Samplicity Filtration System Blue with 0,45um PTFE 384/pk
SAMPLCRGRP	Samplicity Filtration System Green with 0,45um PTFE 384/pk
SAMPLGOBLP	Samplicity Filtration System Blue with 0,2um PTFE 384/pk
SAMPLGOGRP	Samplicity Filtration System Green with 0,2um PTFE 384/pk

Millex Samplicity Filters Catalogue Number

SAMPLG001	Millex Samplicity Filters, 0.20 µm Hydrophilic PTFE, 96/pack
SAMPLCR01	Millex Samplicity Filters, 0.45 µm Hydrophilic PTFE, 96/pack
SAMPHV001	Millex Samplicity Filters, 0.45 µm Hydrophilic PVDF, 96/pk
SAMPLG004	Millex Samplicity Filters, 0.20 µm Hydrophilic PTFE, 384/pack
SAMPLCR04	Millex Samplicity Filters, 0.45 µm Hydrophilic PTFE, 384/pack
SAMPHV004	Millex Samplicity Filters, 0.45 µm Hydrophilic PVDF, 384/pk

