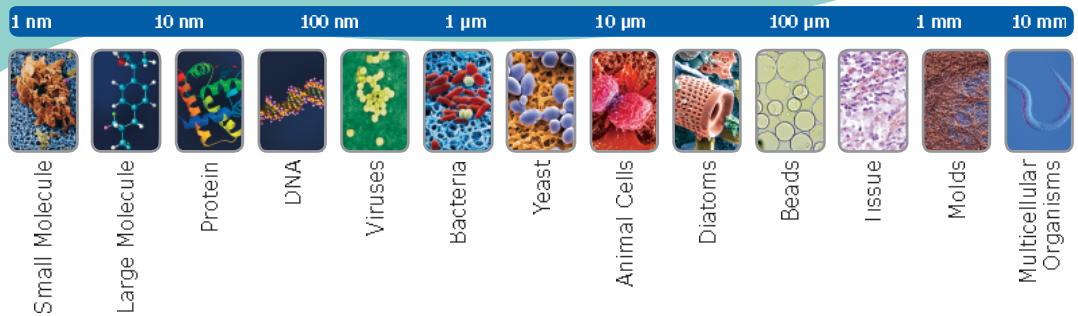
MultiScreen® Filter Plates

MERCK



Colored boxes correspond to membrane options (chart at right)

Application	Plate Type(s)
Drug solubility studies	MultiScreen®$_{HTS}$-PCF Filter Plates for Solubility Assays
	MultiScreen® Plate with Durapore® Membrane
	MultiScreen Solvinert™ and Deepwell Solvinert™ Plates
	MultiScreen® High Volume plate with Durapore® Membrane
Permeability studies/PAMPA assay	MultiScreen® Permeability Plate
	MultiScreen®-IP Plate for PAMPA
Cell-based drug permeability studies	Millicell®-96 Well Plate for Caco-2 Assays
	Millicell®-96 Well Cell Culture Insert Plate, PET
Total drug analysis	MultiScreen Solvinert™ and Deepwell Solvinert™ Plates
Clarification of cellular debris or particulates	MultiScreen® FB or -FC Plate
	MultiScreen® High Volume Plate with FC
Dye terminator removal	MultiScreen® Plate with Durapore® Membrane
PCR cleanup	MultiScreen®-PCR and -µPCR Plates
Lysate clearing	MultiScreen®-NA Plate
DNA-binding proteins	MultiScreen® Plate with Immobilon®-P membrane
Protein binding	MultiScreen® Plate with Immobilon®-P membrane
	MultiScreen®-HA Plate
Clonal receptor-binding studies	MultiScreen® Plate with Durapore® Membrane
	MultiScreen® High Volume Plate with Durapore® Membrane
	MultiScreen® FB or -FC Plate
	MultiScreen® High Volume Plate with FC
ELISA	MultiScreen®-HA Plate
Membrane absorbance assays	MultiScreen® Plate with Immobilon®-P membrane
Enzyme assays (kinases, phosphatases, etc)	MultiScreen®-FB or -FC Plate
	MultiScreen® Plate with Durapore® Membrane
Bacteria	MultiScreen® Plate with Durapore® Membrane
	MultiScreen®-HA Plate
Cell fragment/receptor binding assays (radiometric)	MultiScreen® Harvest, -FB or -FC Plate
	MultiScreen® Plate with Durapore® Membrane
Calcium uptake measurements	MultiScreen® Plate with Durapore® Membrane
Studies using cell monolayers (Caco-2, MDCK)	Millicell®-96, or 24-Well Insert Plates for Transporter Assays
	Millicell®-96 Well Cell Culture Insert Plate, PET
Elispot assays to assess immune response	MultiScreen®-HA Plate
	MultiScreen® Plate with Immobilon®-P Membrane
Migration, invasion, chemotaxis	MultiScreen®-MIC Plate
Cell proliferation and whole cell receptor binding assays (radiometric)	MultiScreen® Harvest Plate
	MultiScreen® Plate with Durapore® Membrane
	MultiScreen® FB or -FC Plate
Viral infection studies	MultiScreen® Plate with Durapore® Membrane
	MultiScreen®-HA Plate
Chromatography - affinity capture, gel permeation or ion exchange (resins)	MultiScreen® Plate with Durapore® Membrane
Environmental samples	MultiScreen® Plate with Durapore® Membrane
Whole tissue radiometric receptor binding assays	MultiScreen® Harvest Plate
	MultiScreen® Plate with Durapore® Membrane
	MultiScreen® FB or -FC Plate
Neurotransmitter release from brain tissue	MultiScreen® Plate with Durapore® Membrane
Whole organism cytotoxicity, paralysis, and morbidity	MultiScreen®-MESH Plate
Luminex® bead-based assays	MultiScreen® Plate with Durapore® Membrane

Type	Description	Product	Pore Size (µm)	Plate Color/Material	No. of Samples	Sample Volume (mL)	Sterility	Cat. No.*	Qty/Pk Options	
PVDF Membrane	Plates with Hydrophilic Durapore® PVDF Membrane	MultiScreen®$_{HTS}$-GV	0.22	Clear Acrylic	96	0.3	Non-sterile	MSGVN22	10	50
					96	0.3	Sterile	MSGVS22	10	
				Opaque Barex®	96	0.3	Non-sterile	MSGVN28		50
		MultiScreen®$_{HTS}$-HV	0.45	Clear Styrene	96	0.3	Non-sterile	MSHVN45	10	50
					96	0.3	Sterile	MSHVS45	10	
				Opaque Barex®	96	0.3	Non-sterile	MSHVN48	10	50
				White SAN	384	0.1	Non-sterile	MZHVN0W	10	50
		MultiScreen®$_{HTS}$-DV	0.65	Clear Styrene	96	0.3	Non-sterile	MSDVN65	10	50
				Opaque Barex®	96	0.3	Non-sterile	MSDVN68		50
		MultiScreen®$_{HTS}$-BV	1.2	Clear Styrene	96	0.3	Non-sterile	MSBVN12	10	50
					96	0.3	Sterile	MSBVS12	10	
				Opaque Barex®	96	0.3	Non-sterile	MSBVS18		50
		MultiScreen® High Volume HV	0.45	Opaque Polypropylene	96	2.0	Non-sterile	MVHVN45		25
	Plates with Immobilon®-P Membrane (Hydrophobic PVDF)	MultiScreen®$_{HTS}$-IP	0.45	Clear Acrylic	96	0.3	Non-sterile	MSIPN45	10	50
					96	0.3	Sterile	MSIPS45	10	
				White Acrylic	96	0.3	Non-sterile	MSIPN4W		50
					96	0.3	Sterile	MSIPS4W	10	
				Opaque Barex®	96	0.3	Non-sterile	MSIPN48	10	50
		MultiScreen®$_{HTS}$-IP 8 Well Strip Plate	0.45	Clear Acrylic	96	0.3	Non-sterile	MSIPS4510	10	
		Multiscreen-IP w/o underdrain	0.45	White Acrylic	96	0.3	Non-sterile	MAIPSWU10	10	
MCE	Plates with mixed cellulose esters (MCE) hydrophilic membrane	MultiScreen®$_{HTS}$-HA	0.45	Clear Styrene	96	0.3	Non-sterile	MSHAN45	10	50
					96	0.3	Sterile	MSHAS45	10	
				Opaque Barex®	96	0.3	Non-sterile	MSHAN48		50
					96	0.3	Sterile	MSHAS48	10	
PTFE	Solvent-Resistant filter plates	Hydrophilic MultiScreen Solvinert™	0.45	Clear Polyolefin Copolymer	96	0.3	Non-sterile	MSRLN04	10	50
		Hydrophobic MultiScreen Solvinert™	0.45	Clear Polyolefin Copolymer	96	0.3	Non-sterile	MSRPN04	10	50
	Solvent-Resistant Deep Well Filter Plates	Hydrophilic MultiScreen® Deepwell Solvinert™	0.45	Clear Polyolefin copolymer & Acrylic Olefin Copolymer	96	2.0	Non-sterile	MDRLN04		10
			0.45 with pre-filter	Clear Polyolefin copolymer & Acrylic Olefin Copolymer	96	2.0	Non-sterile	MDRLNP4		10
		Hydrophobic MultiScreen® Deepwell Solvinert™	0.45	Clear Polyolefin copolymer & Acrylic Olefin Copolymer	96	2.0	Non-sterile	MDRPN04		10
			0.45 with pre-filter	Clear Polyolefin copolymer & Acrylic Olefin Copolymer	96	2.0	Non-sterile	MDRPNP4		10
Nylon	Plates with Nylon Mesh	MultiScreen® MESH	20.0	Clear Styrene	96	0.3	Non-sterile	MANMN20	10	
			40.0	Clear Styrene	96	0.3	Non-sterile	MANMN40	10	
			60.0	Clear Styrene	96	0.3	Non-sterile	MANMN60	10	
			100.0	Clear Styrene	96	0.3	Non-sterile	MANM100	10	
Polycarbonate Membrane	Plates for Migration Invasion & Chemotaxis	MultiScreen®-MIC	3.0	Clear Styrene	96	0.3	Sterile	MAMIC3S	10	
			5.0	Clear Styrene	96	0.3	Sterile	MAMIC5S	10	
			8.0	Clear Styrene	96	0.3	Sterile	MAMIC8S	10	
			0.4	Clear Styrene	96	0.3	Sterile	FSHT004	1	5
	Plates for non cell-based absorption assay system	MultiScreen® Permeability	0.5	Clear Styrene	96	0.3	Non-sterile	MPC4NTR	10	
	Plates for Aqueous solubility of organic compounds	MultiScreen®$_{HTS}$ Solubility	0.4	Clear Styrene	96	0.3	Non-sterile	MSSLBPC	10	50
Specialty Membranes	Plates for cell attachment, growth & differentiation	Millicell 96-well cell culture insert plate	1.0	Clear Styrene	96	0.3	Sterile	PSRP004	1	5
	Plates with proprietary membrane for lysate clearing	MultiScreen®-NA	–	Clear Styrene	96	0.3	Non-sterile	MSNANLY	10	50
	Plates with glass fiber filters	MultiScreen®$_{HTS}$-FB	FB-W0.65	Opaque Barex®	96	0.3	Non-sterile	MSFBN6B	10	50
			FB	White SAN	384	0.1	Non-sterile	MZFBN0W	10	50
		MultiScreen®$_{HTS}$-FC	FC-W0.65	Opaque Barex®	96	0.3	Non-sterile	MSFCN6B	10	50
			FC	White SAN	384	0.1	Non-sterile	MZFCN0W	10	50
		MultiScreen®$_{HTS}$-FC	FC	Opaque Barex®	96	0.3	Non-sterile	MSFCNXB		50
			1.20	White SAN	384	0.1	Non-sterile	MZFCN0W	10	50
		MultiScreen® High Volume FC	1.20	Opaque Polypropylene	96	2.0	Non-sterile	MVFCN12		25
		MultiScreen®$_{HTS}$-FB	FB (1.0)	Opaque Barex®	96	0.3	Non-sterile	MSFBNXB50		50
	Harvest plates	MultiScreen® Harvest Plates	FB (1.0)	Opaque SAN	96	0.3	Non-sterile	MAHFB1H		60
			FC (1.2)	Opaque SAN	96	0.3	Non-sterile	MAHFC1H		60
	Plates for PCR Cleanup	MultiScreen® PCRµ96	–	Clear (Purple) Styrene	96	0.1	–	LSKMPCR	10	50
		MultiScreen® PCR96	–	Clear Styrene	96	0.3	–	MSNU030	10	50
		MultiScreen® PCR384	–	Clear Styrene	384	0.1	–	S384PCR	10	50
	Plates for SEQ Cleanup	MultiScreen® SEQ384	–	Clear Styrene	384	0.1	–	S384SEQ	10	50
		Montage® SEQ96 Cleanup Kit	–	Clear (Blue) Styrene	96	–	–	LSKS096	04	24
	Montage® Filter Plates for Plasmid Miniprep	Montage® Plasmid96 Miniprep Kit	–	Clear Styrene	96	–	–	LSKF096	04	24

*The two-digit quantity code must be added to the catalog number listed here to complete the order number. Example: MSPVS2250 or MSPVS2210

● Sterile ⊘ Non-sterile Optically transparent

Multiply your success with the MultiScreen®$_{HTS}$ Vacuum Manifold

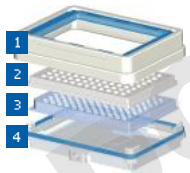


Plate-on-plate stacking eliminates gaps between flow directors and receiver wells in applications that require filtrate collection.

1. Manifold Collar
2. MultiScreen® Filter Plate
3. Collection Plate
4. Manifold Base

www.MerckMillipore.com/manifold

Need automation?

MultiScreen® Plates feature:

- High throughput screening in 96- and 384- well format
- ANSI/SBS standards compliance
- Rigid sidewalls
- Barcode-labeling capability
- Design that prevents cross-well contamination

Custom MultiScreen® Filter Plates

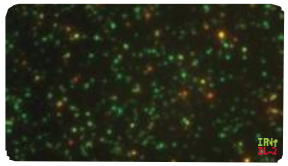
We'll create the perfect plate for your assay, with any combination of filter membrane, housing material and other required specifications.

Contact your representative:
www.MerckMillipore.com/techservice

How to spot an immune response

Our assay-validated ELISpot plates are equipped with HA or Immobilon®-P PVDF membranes to successfully identify T or B cell response with single-cell precision

- Validated membranes
- Uniform spot morphology
- Compatible with automation



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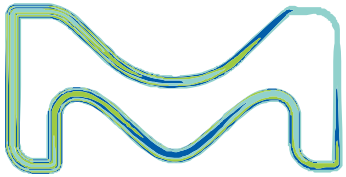

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