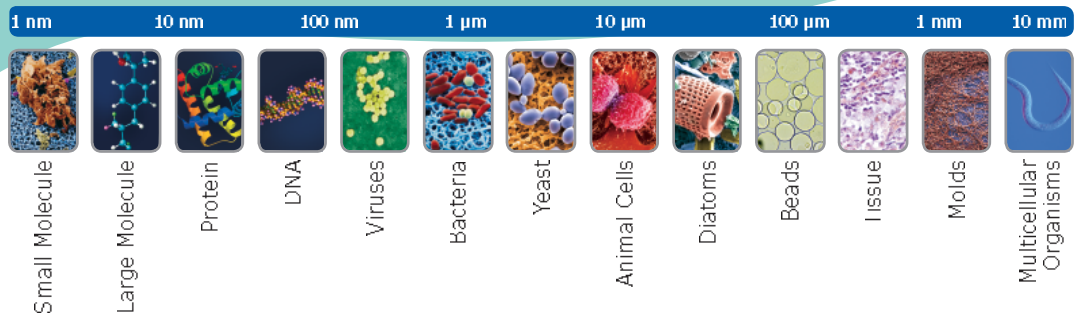
Multiscreen® filter plates



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® Filter Plate with FC
	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
Clinical receptor-binding studies	MultiScreen® Plate with Durapore® Membrane
	MultiScreen® High Volume Plate with Durapore® Membrane
	MultiScreen® Filter 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	○	MSGVN22	10	50
					96	0.3	●	MSGVS22	10	
				Opaque Bare®	96	0.3	○	MSGVN2B		50
		MultiScreen®$_{HTS}$ HV	0.45	Clear Styrene	96	0.3	○	MSHVN45	10	50
					96	0.3	●	MSHVS45	10	
				Opaque Bare®	96	0.3	○	MSHVN4B	10	50
				White SAN	384	0.1	○	MZHVN0W	10	50
		MultiScreen®$_{HTS}$ DV	0.65	Clear Styrene	96	0.3	○	MSDVN65	10	50
				Opaque Bare®	96	0.3	○	MSDVN6B		50
		MultiScreen®$_{HTS}$ BV	1.2	Clear Styrene	96	0.3	○	MSBVN12	10	50
					96	0.3	●	MSBVS12	10	
				Opaque Bare®	96	0.3	○	MSBVS1B		50
		MultiScreen® High Volume HV	0.45	Opaque Polypropylene	96	2.0	○	MVHVN45		25
	Plates with Immobilon®-P Membrane (Hydrophobic PVDF)	MultiScreen®$_{HTS}$ IP	0.45	Clear Acrylic	96	0.3	○	MSIPN45	10	50
					96	0.3	●	MSIPS45	10	
				White Acrylic	96	0.3	○	MSIPN4W		50
					96	0.3	●	MSIPS4W	10	
				Opaque Bare®	96	0.3	○	MSIPN4B	10	50
		MultiScreen®$_{HTS}$ IP 8 Well Strip Plate	0.45	Clear Acrylic	96	0.3	○	MSIPS4S10	10	
		Multiscreen-IP w/o underdrain	0.45	White Acrylic	96	0.3	○	MAIPSWU10	10	
MCE	Plates with mixed cellulose esters (MCE) hydrophilic membrane	MultiScreen®$_{HTS}$ HA	0.45	Clear Styrene	96	0.3	○	MSHAN45	10	50
					96	0.3	●	MSHAS45	10	
				Opaque Bare®	96	0.3	○	MSHAN4B		50
					96	0.3	●	MSHAS4B	10	
PTFE	Solvent-Resistant filter plates	Hydrophilic MultiScreen Solvinert™	0.45	Clear Polyolefin Copolymer	96	0.3	○	MSRLN04	10	50
		Hydrophobic MultiScreen Solvinert™	0.45	Clear Polyolefin Copolymer	96	0.3	○	MSRPN04	10	50
	Solvent-Resistant Deep Well Filter Plates	Hydrophilic MultiScreen® Deepwell Solvinert™	0.45	Clear Polyolefin copolymer & Acrylic Olefin Copolymer	96	2.0	○	MDRLN04		10
			0.45 with pre-filter	Clear Polyolefin copolymer & Acrylic Olefin Copolymer	96	2.0	○	MDRLNP4		10
		Hydrophobic MultiScreen® Deepwell Solvinert™	0.45	Clear Polyolefin copolymer & Acrylic Olefin Copolymer	96	2.0	○	MDRPN04		10
			0.45 with pre-filter	Clear Polyolefin copolymer & Acrylic Olefin Copolymer	96	2.0	○	MDRPNP4		10
Nylon	Plates with Nylon Mesh	MultiScreen® MESH	20.0	Clear Styrene	96	0.3	○	MANMN20	10	
			40.0	Clear Styrene	96	0.3	○	MANMN40	10	
			60.0	Clear Styrene	96	0.3	○	MANMN60	10	
			100.0	Clear Styrene	96	0.3	○	MANM100	10	
Polycarbonate Membrane	Plates for Migration Invasion & Chemotaxis	MultiScreen®-MIC	3.0	Clear Styrene	96	0.3	●	MAMIC3S	10	
			5.0	Clear Styrene	96	0.3	●	MAMIC5S	10	
			8.0	Clear Styrene	96	0.3	●	MAMIC8S	10	
			0.4	Clear Styrene	96	0.3	●	FSHT004	1	5
	Plates for non cell-based absorption assay system	MultiScreen® Permeability	0.5	Clear Styrene	96	0.3	○	MPC4NTR	10	
	Plates for Aqueous solubility of organic compounds	MultiScreen®$_{HTS}$ Solubility	0.4	Clear Styrene	96	0.3	○	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	●	PSRP 004	1	5
	Plates with proprietary membrane for lysate clearing	MultiScreen®-NA	–	Clear Styrene	96	0.3	○	MSNANLY	10	50
	Plates with glass fiber filters	MultiScreen®$_{HTS}$ FB	FB w/0.65	Opaque Bare®	96	0.3	○	MSFBN6B	10	50
			FB	White SAN	384	0.1	○	MZFBN0W	10	50
		MultiScreen®$_{HTS}$ FC	FC w/0.65	Opaque Bare®	96	0.3	○	MSFCN6B	10	50
			FC	White SAN	384	0.1	○	MZFCN0W	10	50
		MultiScreen®$_{HTS}$ FC	FC	Opaque Bare®	96	0.3	○	MSFCNXB		50
			1.20	White SAN	384	0.1	○	MZFCN0W	10	50
		MultiScreen® High Volume FC	1.20	Opaque Polypropylene	96	2.0	○	MVFCN12		25
		MultiScreen®$_{HTS}$ FB	FB (1.0)	Opaque Bare®	96	0.3	○	MSFBNXB50		50
	Harvest plates	MultiScreen® Harvest Plates	FB (1.0)	Opaque SAN	96	0.3	○	MAHFB1H		60
			FC (1.2)	Opaque SAN	96	0.3	○	MAHFC1H		60
	Plates for PCR Cleanup	MultiScreen® PCR$_{µ}$96	–	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	–	–	LSKP096	04	24

*The two-digit quantity code must be added to the catalog number listed here to complete the order number. Example: MSFVS2250 or MSFVS2210

● Sterile ○ Non-sterile 🔍 Optically transparent

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

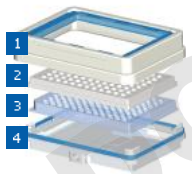


Plate-on-plate stacking eliminates gaps between flow directors and receiver wells in applications that require filtrate collection.

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

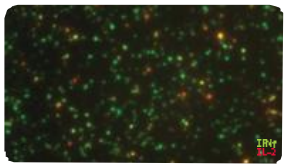
We'll create the perfect plate for your assay, with any combination of filter membrane, housing material and other required specifications.

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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Visit our website for validated protocols, assay development tips, FAQs, application notes, videos and more:
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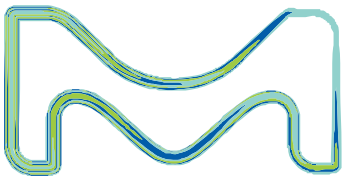

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