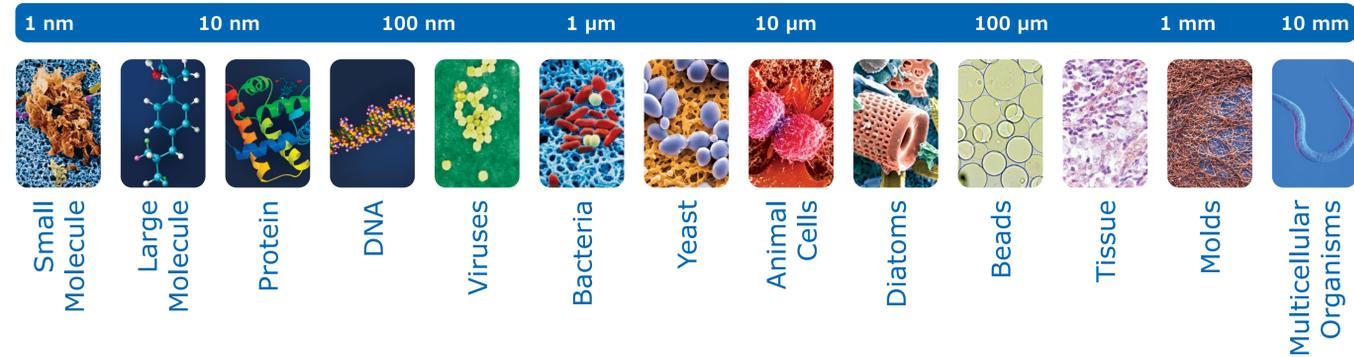


# MultiScreen® Filter Plates



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 Solvintert™ and Deepwell Solvintert™ Plates MultiScreen® High Volume Plate with Durapore® Membrane MultiScreen® Permeability Plate
Permeability studies/PAMPA assay	MultiScreen®-IP Plate for PAMPA Classic Format
Cell-based drug permeability studies	Millicell®-96 Well Plate for Caco-2 Assays Millicell®-96 Well Cell Culture Insert Plate, PET MultiScreen Solvintert™ and Deepwell Solvintert™ Plates
Total drug analysis	MultiScreen®-FB or -FC Plate
Clarification of cellular debris or particulates	MultiScreen® High Volume Plate with FC Membrane MultiScreen®-PCK and -µPCR Plates
Dye terminator removal	MultiScreen®-NA Plate
PCR cleanup	MultiScreen® Plate with Immobilion®-P membrane
Lysate clearing	MultiScreen® Plate with Immobilion®-P membrane
DNA-binding proteins	MultiScreen®-HA Plate
Protein binding	MultiScreen® Plate with Durapore® Membrane MultiScreen® High Volume Plate with Durapore® Membrane MultiScreen®-FB or -FC Plate MultiScreen®-HA Plate
Cloned receptor-binding studies	MultiScreen® High Volume Plate with Durapore® Membrane MultiScreen®-FB or -FC Plate MultiScreen®-HA Plate
ELISA	MultiScreen®-HA Plate
Membrane absorbance assays	MultiScreen® Plate with Immobilion®-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 MultiScreen®-HA Plate
Elispot assays to assess immune response	MultiScreen® Plate with Immobilion®-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
Viral infection studies	MultiScreen®-FB or -FC Plate MultiScreen® Plate with Durapore® Membrane
Chromatography - affinity capture, gel permeation or ion exchange (resins)	MultiScreen®-HA Plate
Environmental samples	MultiScreen® Plate with Durapore® Membrane
Whole tissue radiometric receptor binding assays	MultiScreen® Harvest Plate MultiScreen® Plate with Durapore® Membrane
Neurotransmitter release from brain tissue	MultiScreen®-FB or -FC Plate
Whole organism cytotoxicity, paralysis, and morbidity	MultiScreen® Plate with Durapore® Membrane
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					
					96	0.3	☉	MSGVN2B	10 50					
		MultiScreen® HTS HV	0.45	Clear Styrene	96	0.3	☉	MSHVN45	10 50					
					96	0.3	●	MSHVS45	10					
					96	0.3	☉	MSHVN4B	10 50					
		MultiScreen® HTS DV	0.65	Clear Styrene	384	0.1	☉	MZHVNOW	10 50					
					96	0.3	☉	MSDVN65	10 50					
					96	0.3	☉	MSDVN6B	50					
		MultiScreen® HTS BV	1.2	Clear Styrene	96	0.3	☉	MSBVN12	10 50					
					96	0.3	●	MSBVS12	10					
		MultiScreen® High Volume HV	0.45	Opaque Polypropylene	96	2.0	☉	MVHVN45	25					
		MCE	Plates with Immobilion®-P Membrane (Hydrophobic PVDF)	MultiScreen® HTS-IP	0.45	Clear Acrylic	96	0.3	☉	MSIPN45	10 50			
							96	0.3	●	MSIPS45	10			
96	0.3						☉	MAIPN4550	50					
	White Acrylic			96	0.3	☉	MAIPNTR10	10						
				96	0.3	☉	MSIPN4W	50						
				96	0.3	●	MSIPS4W	10						
MultiScreen® HTS-IP 8 Well Strip Plate	0.45			Clear Acrylic	96	0.3	☉	MSIPN4B	10 50					
					96	0.3	☉	MAIPN0B50	50					
					96	0.3	☉	MAIPS4510	10					
MultiScreen-IP w/o underdrain	0.45			White Acrylic	96	0.3	☉	MAIPSWU10	10					
PTFE	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			
							96	0.3	☉	MSHAN4B	50			
	Opaque Barex®	96	0.3	●	MSHAS4B	10								
		96	0.3	☉	MSRLN04	10 50								
Nylon	Solvent-Resistant filter plates	Hydrophilic MultiScreen Solvintert™	0.45	Clear Polyolefin Copolymer	96	0.3	☉	MSRPN04	10 50					
	Solvent-Resistant Deep Well Filter Plates	Hydrophobic MultiScreen Solvintert™	0.45	Clear Polyolefin Copolymer	96	2.0	☉	MDRLN04	10					
	Hydrophobic MultiScreen® Deepwell Solvintert™	0.45	Clear Polyolefin copolymer & Acrylic Olefin Copolymer	96	2.0	☉	MDRPN04	10						
	Hydrophobic MultiScreen® Deepwell Solvintert™	0.45 with pre-filter	Clear Polyolefin copolymer & Acrylic Olefin Copolymer	96	2.0	☉	MDRPNP4	10						
Polycarbonate Membrane	Plates with Nylon Mesh	MultiScreen® MESH	20.0	Clear Styrene	96	0.3	☉	MANMN20	10					
					96	0.3	☉	MANMN40	10					
					96	0.3	☉	MANMN60	10					
					96	0.3	☉	MANMN100	10					
					96	0.3	☉	MANM100	10					
	Plates for Migration Invasion & Chemotaxis	MultiScreen®-MIC	3.0	Clear Styrene	96	0.3	●	MAMIC3S	10					
					96	0.3	●	MAMIC5S	10					
					96	0.3	●	MAMIC8S	10					
					96	0.3	●	PSHT004	1 5					
					96	0.3	☉	MPC4NTR	10					
	Plates for non cell-based absorption assay system	MultiScreen® Permeability	0.4	Clear Styrene	96	0.3	☉	MSSLBPC	10 50					
Specialty Membranes	Plates for Aqueous solubility of organic compounds	MultiScreen® HTS Solubility	0.4	Clear Styrene	96	0.3	☉	MSSLBPC	10 50					
						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 Barex®						96	0.3	☉	MSFBN6B	10 50
	MultiScreen® HTS-FC	FC w/0.65	Opaque Barex®	White SAN	384	0.1	☉	MZFBN0W	10 50					
					96	0.3	☉	MZFCN6B	10 50					
					384	0.1	☉	MZFCN0W	10 50					
					96	0.3	☉	MZFCN9B	50					
					384	0.1	☉	MZFCN0W	10 50					
	MultiScreen® High Volume FC	1.20	Opaque Polypropylene	White SAN	96	2.0	☉	MVFCN12	25					
	MultiScreen® HTS-FB	FB (1.0)	Opaque Barex®	White SAN	96	0.3	☉	MSFBNXB50	50					
	Plates for PCR Cleanup	MultiScreen® PCR96	-	Clear (Purple) Styrene	96	0.1	-	LSKMPCR	10 50					
					96	0.3	-	MSNU030	10 50					
					384	0.1	-	S384PCR	10 50					
	Plates for SEQ Cleanup	MultiScreen® SEQ384	-	Clear Styrene	384	0.1	-	S384SEQ	10 50					
					96	-	-	LSKS096	04 24					
	Montage® Filter Plates for Plasmid Miniprep	Montage® Plasmid96 Miniprep Kit	-	Clear Styrene	96	-	-	LSKP096	04 24					

### 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

[SigmaAldrich.com/multiscreen](http://SigmaAldrich.com/multiscreen)

### 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.

Request Information at:  
[SigmaAldrich.com/multiscreen](http://SigmaAldrich.com/multiscreen)

### How to spot an immune response

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

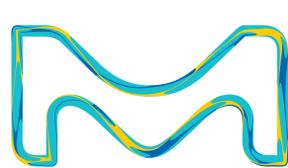
- Validated membranes
- Uniform spot morphology
- Compatible with automation

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