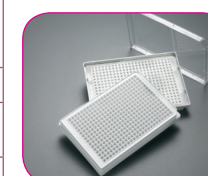
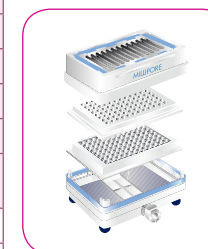




# Multiwell Application Guide

Customized plate-membrane-housing configurations and other plate characteristics are also available.

Field	Description	Catalogue No.	Membrane Material	Applications	Pore Size	Sterile	Format*	
							96	384
<b>SAMPLE PREPARATION</b>								
<b>Microporous Sample Prep</b>	MultiScreen <sub>HTS</sub> -HA	MSHAN4510/50	MCE	High protein binding, Aqueous filtration	0.45 µm		○	
	MultiScreen <sub>HTS</sub> -HV	MSHVN4510/50	Durapore® PVDF (philic)	Neonatal screening, Sample preparation, Cell debris removal, Chromatography	0.45 µm		○	○
	MultiScreen <sub>HTS</sub> -BV	MSBVN1210/50	Durapore PVDF (philic)	Sample preparation, Chromatography,	1.2 µm		○	
	MultiScreen Solvinert	MSRLN0410/50	PTFE (philic)	Organic & Aqueous solvent sample prep.	0.45 µm		○	
	MultiScreen Solvinert	MDRLN0410	PTFE (philic) Deep well, 1.9 mL	Organic solvent sample prep, Affymetrix® SNP 6.0 prep kit	0.45 µm		○	
	MultiScreen Solvinert	MSRPN0410/50	PTFE (phobic)	Organic solvent sample prep	0.45 µm		○	
	MultiScreen Solvinert	MDRPN0410	PTFE (phobic) Deep well, 1.9 mL		0.45 µm		○	
	MultiScreen <sub>HTS</sub> -FB	MSFBN6B10/50	Glass Fibers	Cell debris removal, DNA binding/elution	1 µm		○	○
	MultiScreen <sub>HTS</sub> -FC	MSFCN6B50	Glass Fibers	Cell debris removal, Sample clean-up	1.2 µm		○	○
	MultiScreen <sub>HTS</sub> -PCF	MSSLBPC10/50	Polycarbonate	Solubility, Lowest binding/lowest fluorescence aqueous filtration	0.4 µm		○	
<b>Resin-based Separation</b>	MultiScreen-HV	MAHVN4510/50	Durapore PVDF (philic)	Dye-terminator removal, Column loader, PCR and Sequencing purification	0.45 µm		○	○
	MultiScreen-BV	MABVN1250	Durapore PVDF (philic)		1.2 µm			
<b>BIOCHEMICAL ASSAYS</b>								
<b>Enzyme Assays</b>	MultiScreen <sub>HTS</sub> -BV	MSBVN1B50	Durapore PVDF (philic)	Kinase assays (cell membrane fragment capture)	1.2 µm		○	
	MultiScreen <sub>HTS</sub> -IP	MSIPN4B10/50	Durapore PVDF (phobic)	High protein binding, Lipid kinase assays, Transcription factor binding, DNA binding proteins, Protein interaction studies	0.45 µm		○	
	MultiScreen-IP	MAIPN0B50	Durapore PVDF (phobic) classic	DNA-binding proteins for top count and punching	0.45 µm		○	
	MultiScreen <sub>HTS</sub> -PH	MSPHNXB50	Phosphocellulose (-)	Kinase assays with peptide substrates	-		○	○
	MultiScreen-PH	MAPHN0B50	Phosphocellulose (-) classic	Kinase assays with peptide substrates for top count and punching	-		○	
	MultiScreen <sub>HTS</sub> -DE	MSDEN6B50	DEAE-ion exchange chromatography (+)	Reverse transcriptase assays, DNA polymerase removal	-		○	
<b>Receptor-Binding Ligand</b>	MultiScreen <sub>HTS</sub> -HV	MSHVN4B10/50	Durapore PVDF (philic)	Whole cells and purified cell membrane fragments (lowest binding membrane) for small particle loads, TCA precipitation	0.45 µm		○	○
	MultiScreen <sub>HTS</sub> -FB	MSFBNXB50	Glass Fibers	RLB/GPCR on whole cells and crude membrane fragments for large particle loads	1 µm		○	○
	MultiScreen-GFB	MAFBN0B50	Glass Fibers classic (top count recommended)		1 µm		○	
	MultiScreen <sub>HTS</sub> -FC	MSFCNXB50	Glass Fibers		1.2 µm		○	○
	MultiScreen-GFC	MAFCN0B50	Glass Fibers classic (top count recommended)		1.2 µm		○	



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							96	384
<b>CELL-BASED ASSAYS</b>								
Migration, Invasion and Chemotaxis	MultiScreen-MIC	MAMIC3S10	Polycarbonate classic	Suspension cells/chemotaxis	3 µm	○	○	
		MAMIC5S10	Polycarbonate classic	Adherent cells/migration and invasion assays	5 µm	○	○	
		MAMIC8S10	Polycarbonate classic		8 µm	○	○	
ELISPOT	MultiScreen <sub>HTS</sub> -HA	MSHAS4510	MCE	B & T cell immune response characterization, Antibody and vaccine research and development, Vaccine efficacy and monitoring.	0.45 µm	○	○	
	MultiScreen <sub>HTS</sub> -IP	MSIPS4510	Durapore PVDF (phobic)		0.45 µm	○	○	
	MultiScreen <sub>HTS</sub> -IP	MSIPS4W10	Durapore PVDF (phobic)		0.45 µm	○	○	
	MultiScreen-IP	MAIPSWU10	Durapore PVDF (phobic) with under tray		0.45 µm	○	○	
	MultiScreen <sub>HTS</sub> -IP	M8IPS4510	Durapore PVDF (phobic) 8-well strip format		0.45 µm	○	○	
<b>ADME / COMPOUND PROFILING</b>								
Solubility Assay (Aqueous & Organic Solvents)	MultiScreen <sub>HTS</sub> -PCF	MSSLBPC10/50	Polycarbonate	Solubility, Lowest binding aqueous drug/compound filtration	0.4 µm		○	
	MultiScreen <sub>HTS</sub> -GV	MSGVN2210/50	Durapore PVDF (philic)		0.22 µm		○	
	MultiScreen Solvintert	MSRLN0410/50	PTFE philic	Solubility, Aqueous and organic solvent filtration of drug and compounds	0.45 µm		○	
	MultiScreen Solvintert	MDRLN0410	PTFE philic: Deep well (1.9 mL)	Solubility, Aqueous and organic solvent filtration of drug and compounds	0.45 µm		○	
	MultiScreen Solvintert	MDRPNP410	PTFE (phobic) Deep well, 1.9 mL with pre-filter	Organic solvent filtration of drugs and compounds	0.45 µm		○	
Non-Cell-Based Absorption Assays	MultiScreen-IP	MAIPNTR10	Durapore PVDF (phobic) classic	PAMPA drug permeability assays	0.45 µm		○	
	MultiScreen Permeability	MPC4NTR10	Polycarbonate (phobic)	Hexane/Hexadecane (HDM) drug permeability assays	0.4 µm		○	
Cell-Based Absorption Assays	Millicell®-96	PSHT004R1/R5/S5	Polycarbonate	Caco-2 cells and adherent cells, Fully automatable; Drug absorption	0.4 µm	○	○	
	Millicell-96	PSRPO04R1/R5	Polyethylene terephthalate (PET)	Caco-2 cells and adherent cells, Fully automatable; Drug absorption; microscopically transparent	1 µm	○	○	
<b>NUCLEIC ACIDS</b>								
Nucleic Acid Sample Prep	MultiScreen PCR <sub>96</sub>	LSKMPCR10/50		PCR clean-up	N/A		○	
	MultiScreen PCR <sub>96</sub>	MSNU03010/50					○	
	MultiScreen PCR <sub>384</sub>	S384PCR10/50						○
	Montage® Miniprep <sub>96</sub>	LSKP09604/24		Plasmid clean-up	N/A		○	
	MultiScreen <sub>HTS</sub> Plasmid	MSNUPSD50					○	
	MultiScreen <sub>HTS</sub> -NA	MSNANLY10/50					○	
	Montage SEQ <sub>96</sub>	LSKS09601/04/24		Sequencing clean-up	N/A		○	
	MultiScreen SEQ <sub>384</sub>	S384SEQ10/50						○

\*Unless otherwise specified, all catalogue numbers reference 96-well formats.

