Microplates, 96 and 384 well, filter, MultiScreen®HTS

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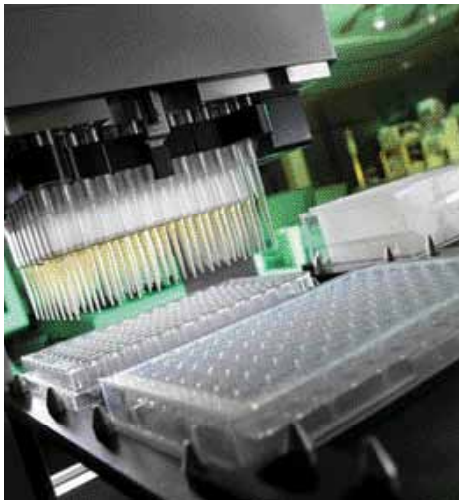

Please contact Fisher Scientific to discuss your EU compatible product requirements.

Applications include: receptor-ligand binding; general sample preparation; Elispot; enzyme activity; bead-based assays; whole organism visualisation and radioisotope detection.

Fully Compatible with Automation

High throughput MultiScreen®HTS filter plates are specifically developed for use with automation. The 96 well and 384 well plates are designed to standardised dimensions and meet ANSI/SBS 2004 plate specifications. They are fully compatible with automated gripper arms, stackers, barcode labels, and plate readers.

Innovative Plate Design

Rigid sidewalls are aligned for easy handling by robotic gripper arm and also provide ample surfaces for bar code labels. The plate design protects the underdrain and eliminates surface contact with individual well 'drip directors'. The plastic skirt enables stacking directly with collection plates and improves the vacuum seal when used with a Millipore® vacuum manifold. The removable underdrain gives full access to membranes and is ideal for applications including Elispot, radioisotope detection and whole organism visualisation.

Extensive Product Range

MultiScreen®HTS filter plates are available in a broad range of Millipore plastics and membranes. MultiScreen® Solubility filter plates are also optimised in HTS format for filtration-based solubility determination. Accessory column loaders are available for loading chromatography media for column separators.

MultiScreen®HTS filter plates are available in clear, opaque and white. For non-standard plastic and membrane combinations, custom requests are accepted. Available membranes include:

- Hydrophilic Durapore® PVDF membrane
- Glass fibre
- Hydrophobic Immobilon™-P membrane
- HA mixed cellulose esters
- Negatively charged phosphocellulose
- Positively charged DEAE
- Track-etched polycarbonate

Compatible Instruments

MultiScreen®HTS filter plates are compatible with a range of liquid handlers and automated counters

Robotic workstations	Plate readers
Tecan Genesis®	PerkinElmer® Trilux
Beckman Biomek® FX	Wallac (PerkinElmer®) Microbeta®
Packard MultiProbe®	Wallac Victor2™ 1420 MultiLabel Counter
PerkinElmer Evolution™	Molecular Devices SPECTRAmax®
Plus/Gemini XS	
Beckman MultiMek™ 96	Tecan SpectraFLUOR® Plus

MultiScreen®HTS 96 well filter plates

Materials	Full range of membranes and plastics available refer to ordering information
Membrane area	0.26cm²
Well volume	Recommended 50µL to 250µL (Maximum 300µL)
Nominal plate dimensions (l x w x d), mm	127.8 x 85.5 x 14.4
Operating conditions	Vacuum† - Recommended 9 inch Hg (maximum 18 inch Hg) Centrifuge† - Recommended 1,000xg (Maximum 3,000xg)
Average holdup volume of 200µL sample	By vacuum at 9 inch Hg for 30s Durapore® PVDF 6µL/well By centrifuge at 1,000xg for 5min Durapore® PVDF 5µL/well

† See user guide for specific recommendations by product type and additional guidelines on utilisation. For copy of user guide email lifesci@thermofisher.com

96 well with hydrophilic Durapore® PVDF membrane

Catalogue No	Alt. No	Pore size, µm	Colour	Material	Sterile, Yes/No	Pack qty
FDR-547-005U	MSGVN2210	0.22	Clear	Styrene	No	10
FDR-547-010E	MSGVN2250	0.22	Clear	Styrene	No	50
FDR-547-015R	MSGVS2210	0.22	Clear	Styrene	Yes	10
FDR-547-025X	MSGVN2B50	0.22	Opaque	Barex®/TiO_2	No	50
FDR-547-030V	MSHVN4510	0.45	Clear	Styrene	No	10
FDR-547-035L	MSHVN4550	0.45	Clear	Styrene	No	50
FDR-547-040S	MSHVS4510	0.45	Clear	Styrene	Yes	10
FDR-547-050P	MSHVN4B50	0.45	Opaque	Barex®/TiO_2	No	50
FDR-547-060M	MSDVN6510	0.65	Clear	Styrene	No	10
FDR-547-065C	MSDVN6550	0.65	Clear	Styrene	No	50

96 well with hydrophobic Immobilon®-P PVDF membrane

Catalogue No	Alt. No	Pore size, µm	Colour	Material	Sterile, Yes/No	Pack qty
FDR-547-110A	MSIPN4510	0.45	Clear	Acrylic	No	10
FDR-547-115N	MSIPN4550	0.45	Clear	Acrylic	No	50
FDR-547-120U	MSIPS4510	0.45	Clear	Acrylic	Yes	10
FDR-547-125K	MSIPN4B10	0.45	Opaque	Barex®/TiO_2	No	10
FDR-547-130R	MSIPN4B50	0.45	Opaque	Barex®/TiO_2	No	50
FDR-547-135H	MSIPS4W10	0.45	White	Acrylic	Yes	10

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