



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

### Microplates, 96 well, filter, MultiScreen® Solvinert and MultiScreen® deep well Solvinert



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#### 96 well chemically compatible sample preparation platforms

MultiScreen® Solvinert and MultiScreen® deep well Solvinert filter plates are 96 well filter plates designed for broad solvent compatibility. In addition to chemically compatible materials of construction, the plates incorporate a unique one-piece design to eliminate leaking and allow for extended incubations. In addition, the plates are automation compatible to provide maximum sample preparation throughput.

- Low binding and low extractables
- Membrane offerings accommodate solvents or aqueous samples
- Designed for extended incubations
- Non-sterile

#### High performance plate designs

Automation-compatible MultiScreen® Solvinert filter plates are available in 96 well deep well (2mL) and standard (500µL) formats. The one-piece plate has rigid sidewalls to facilitate use with robotic gripper arms and provide space for barcode labels. All MultiScreen® Solvinert plate materials are selected for broad chemical compatibility and enable extended in-plate incubations with no leaking.

#### Optimised for drug discovery and HPLC sample preparation

MultiScreen® Solvinert filter plates - both deep well and standard well - are optimised for drug discovery applications including total drug analysis, NCE cleavage from solid phase libraries, and sample preparation prior to HPLC or LC/MS/MS. The plates and membranes demonstrate low binding, low extractables and high recoveries. For chromatography separations, the MultiScreen® column loader accessory can be used to create 96 mini columns per plate. MultiScreen® deep well with hydrophobic membrane and prefilter is also highly suitable for total drug analysis in plasma by protein precipitation.

#### Hydrophilic and hydrophobic PTFE membranes available

MultiScreen® Solvinert filter plates are available with chemically resistant hydrophilic and hydrophobic membranes to accommodate aqueous and non-aqueous samples. MultiScreen® deep well Solvinert filter plates are also available with an optional pre-filter to use with highly particulate media. Both membranes are highly retentive >99% retention of acid precipitated BSA.

For the broadest chemical resistance, hydrophobic PTFE membrane is recommended. Designed for extended sample incubation times and the lowest extractables, hydrophobic PTFE membrane is ideal for NCE cleavage and cleanup. It is also suitable for in-plate protein precipitation and sample recovery following in-plate compound cleavage from solids or beads. The plates are also used for peptide synthesis. Hydrophilic PTFE membrane is optimised for low drug and protein binding with excellent throughput in typical aqueous and solvent sample preparation. High sample recoveries and low extractables provide for optimum analysis by HPLC and LC/MS/MS. The membrane is suitable for applications including natural product screening, aqueous solubility testing and total drug analysis. Accessory column loaders are available for loading chromatography media for column separators.

#### Deep well Solvinert filter plates (2mL wells)

Catalogue No	Alt. No	Material	Colour	Pack qty
<b>FDR-544-020T</b>	MDRPN0410	Hydrophobic PTFE	Clear	10
<b>FDR-544-060H</b>	MDRLN0410	Hydrophilic PTFE	Clear	10

#### Deep well Solvinert filter plates (2mL wells) with pre-filter

Catalogue No	Alt. No	Material	Colour	Pack qty
<b>FDR-544-040N</b>	MDRPNP410	Hydrophobic PTFE	Clear	10

#### Solvinert filter plates (500µL)

Catalogue No	Alt. No	Material	Colour	Pack qty
<b>FDR-544-090V</b>	MSRLN0410	Hydrophilic PTFE	Clear	10
<b>FDR-544-100V</b>	MSRLN0450	Hydrophilic PTFE	Clear	50
<b>FDR-544-110S</b>	MSRPN0410	Hydrophobic PTFE	Clear	10
<b>FDR-544-120P</b>	MSRPN0450	Hydrophobic PTFE	Clear	50

#### Accessories

Catalogue No	Alt. No	Description
<b>FDR-547-505A</b>	MSVMHTS00	MultiScreen® HTS vacuum manifold, includes gasket inserts, all tubing, valves and pressure gauge
<b>FDR-545-555U</b>	WP6111560	Chemical duty pump 115V, 60Hz
<b>FDR-545-557Q</b>	WP6122050	Chemical duty pump
<b>FDR-545-513N</b>	MACLO9625	MultiScreen® column loader 25µL, black aluminium, non-sterile
<b>FDR-545-515J</b>	MACLO9645	MultiScreen® column loader 45µL, black aluminium, non-sterile
<b>FDR-545-517F</b>	MACLO9680	MultiScreen® column loader 80µL, black aluminium, non-sterile
<b>FDR-545-511R</b>	MACLO9600	MultiScreen® column loader 100µL, black aluminium, non-sterile
<b>FDR-545-503Q</b>	MATAHCL00	MultiScreen® sealing tape, clear, non-sterile
<b>FDR-380-050W</b>	XX1004705	Vacuum filtering flask, 1L