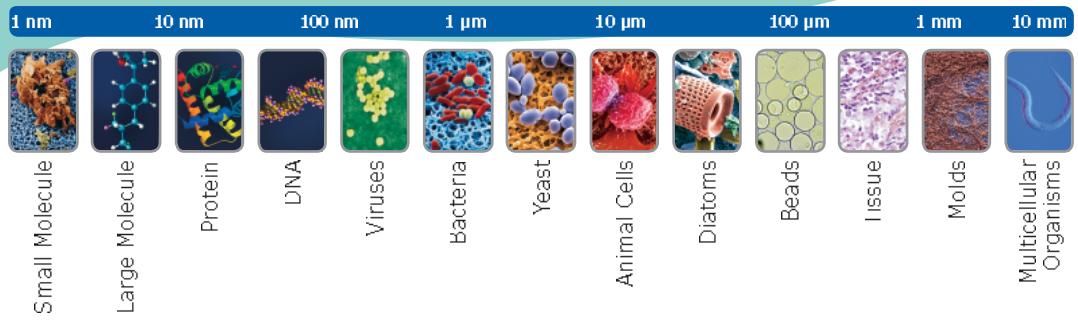
# Multiscreen® filter plates




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

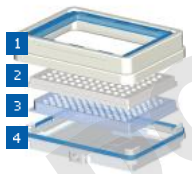



Plate-on-plate stacking eliminates gaps between flow directors and receiver wells in applications that require filtrate collection.

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

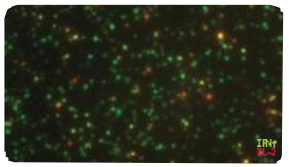
We'll create the perfect plate for your assay, with any combination of filter membrane, housing material and other required specifications.

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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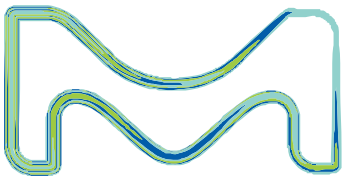

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Lit. No. PSRS12ENEU Rev. A 2017 - 03646 06/2017

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