Clear Bottom MatriPlates

Scratch Resistance, Unmatched Flatness and Excellent Cell Growth

Brooks is a leading supplier of glass bottom microplates. Made with the highest quality polymers and borosilicate glass in a clean, controlled environment, our 96% silica glass provides the highest optical quality and flatness tolerances. Our microplates are designed for high-sensitivity detection including fluorescence and luminescence detection.

Applications:
- Cell based assays i.e. observing cell growth, counting cells and colony formation
- Enzyme studies
- DNA-protein interaction
- Toxicology screening
- Nephelometry
- Fluorescence assay

“Scratch and microbubble resistant glass with optimum flatness”
MatriPlates are available with the following surface treatments. The use of advanced automated coating equipment provides a high level of quality control and ensures production runs will be accurate and reliable.

<table>
<thead>
<tr>
<th>Surface Treatment</th>
<th>Affix*</th>
<th>Treatment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Collagen</td>
<td>-CC</td>
<td>Basic surface treatment for the optimized growing and binding of attachment cells</td>
</tr>
<tr>
<td>Poly-D-Lysine</td>
<td>-PDL</td>
<td>Surface treatment for enhanced cell binding to cell culture substrates</td>
</tr>
<tr>
<td>Supercoat</td>
<td>-SC</td>
<td>Custom surface treatment made with Collagen and Poly-D-Lysine</td>
</tr>
<tr>
<td>Streptavidin</td>
<td>-SA</td>
<td>Surface treatment for biotin binding to maximize capture efficiency of biotinylated molecules, recommended for use with Piranha Washed plates</td>
</tr>
<tr>
<td>Fibronectin</td>
<td>-FN</td>
<td>High molecular mass extracellular matrix glycoprotein enhancing cellular growth, migration and adhesion</td>
</tr>
<tr>
<td>Multicoat</td>
<td>-MC</td>
<td>Three surface treatments, Collagen, Poly-D-Lysine, and Supercoat in a multicoat plate</td>
</tr>
<tr>
<td>Poly-Hema</td>
<td>-PH</td>
<td>Surface treatment which allows growth of adherent cells in a suspension culture</td>
</tr>
<tr>
<td>Piranha Wash</td>
<td>-PW</td>
<td>A specialized treatment available for all plates which cleanses microplate glass making it free from all organic contaminants</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Well Format &amp; Capacity</th>
<th>Glass</th>
<th>Color</th>
<th>Material</th>
<th>Qty/Case</th>
</tr>
</thead>
<tbody>
<tr>
<td>MBG096-1-1-LG-L</td>
<td>96 Well, 630ul</td>
<td>.72mm</td>
<td>Black</td>
<td>Polystyrene</td>
<td>50</td>
</tr>
<tr>
<td>MBG096-1-2-LG-L</td>
<td>96 Well, 630ul</td>
<td>.17mm</td>
<td>Black</td>
<td>Polystyrene</td>
<td>50</td>
</tr>
<tr>
<td>MBG096-2-1-LG-L</td>
<td>96 Well, 630ul</td>
<td>.72mm</td>
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<td>White</td>
<td>Polystyrene</td>
<td>50</td>
</tr>
<tr>
<td>MGB101-1-1-LG-L</td>
<td>384 Well, 120ul</td>
<td>.72mm</td>
<td>Black</td>
<td>Polystyrene</td>
<td>50</td>
</tr>
<tr>
<td>MGB101-1-2-LG-L</td>
<td>384 Well, 120ul</td>
<td>.17mm</td>
<td>Black</td>
<td>Polystyrene</td>
<td>50</td>
</tr>
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<td>MGB101-2-1-LG-L</td>
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</tr>
<tr>
<td>MGB101-2-2-LG-L</td>
<td>384 Well, 120ul</td>
<td>.17mm</td>
<td>White</td>
<td>Polystyrene</td>
<td>50</td>
</tr>
<tr>
<td>MGB111-1-1-L</td>
<td>1536 Well, 10ul</td>
<td>.72mm</td>
<td>Black</td>
<td>Polystyrene</td>
<td>50</td>
</tr>
<tr>
<td>MGB101-1-2-L</td>
<td>1536 Well, 10ul</td>
<td>.17mm</td>
<td>Black</td>
<td>Polystyrene</td>
<td>50</td>
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</tbody>
</table>

*M when ordering, add the surface treatment catalog number at the end of the plate catalogue number that you wish to be coated.
**MatriMix™ -**

**Disposable Cell Culture Spin Flasks**

The patented design of the MatriMix disposable cell culture spin flask is fitted with a central magnetic stir paddle which maximizes nutrient flow and minimizes dead volume. A unique tear-drop flask shape breaks up laminar flow and allows for uninterrupted aspiration while spinning, ensuring homogeneous cell supply. Now, you can easily plate your cells directly from the MatriMix spin flask!

<table>
<thead>
<tr>
<th>Catalog number</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>MXV-1-1</td>
<td>1 liter MatriMix automation friendly cell culture disposable spin flask</td>
<td>12/case</td>
</tr>
<tr>
<td>MXV-1-1-GT</td>
<td>MatriMix guide tube to enable aspiration while mixing</td>
<td>5/pack</td>
</tr>
</tbody>
</table>

**384 Well MatriPlates -**

**Polypropylene and Polystyrene Microwell Assay and Storage Plates**

MatriPlates provide significant savings over a standard 384 well plate and contain a two-micron ceramic glass bead filler to provide additional structural rigidity. These plates are ideal for detectors using CCD or PMT technology.

The deepwell polypropylene MatriPlate provides an ideal footprint for automated 384 channel pipettors. It offers a 225uL working volume with less than 2uL dead volume. Its highly rigid side walls ensure robotic compatibility, and superior well bottom flatness provides uniform pipetting.
1536 MatriPlates -
Polystyrene Microwell Assay and Storage Plates

These high density microwell plates are designed for enhanced assay signals through better light transfer and the elimination of vapor lock bubble formation. They are ideal for detectors using CCD or PMT technology. Constant aspect ratio between MatriPlate 384 and 1536 allows simple miniaturization between these formats.

MatriPlate Well Design:

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Well Format &amp; Capacity</th>
<th>Color</th>
<th>Material</th>
<th>Qty/Case</th>
</tr>
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<tbody>
<tr>
<td>MP100-1-PS</td>
<td>384 Well, 120ul</td>
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<td>Polystyrene</td>
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<tr>
<td>MP100-2-PS</td>
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<td>White</td>
<td>Polystyrene</td>
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</tr>
<tr>
<td>MP100-3-PS</td>
<td>384 Well, 120ul</td>
<td>Natural</td>
<td>Polystyrene</td>
<td>100</td>
</tr>
<tr>
<td>MP100-1-PP</td>
<td>384 Well, 120ul</td>
<td>White</td>
<td>Polypropylene</td>
<td>100</td>
</tr>
<tr>
<td>MP100-2-PP</td>
<td>384 Well, 120ul</td>
<td>Natural</td>
<td>Polypropylene</td>
<td>100</td>
</tr>
<tr>
<td>MP101-1-PS</td>
<td>384 Well, 50ul</td>
<td>Black</td>
<td>Polystyrene</td>
<td>100</td>
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<tr>
<td>MP101-2-PS</td>
<td>384 Well, 50ul</td>
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<td>Polystyrene</td>
<td>100</td>
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<tr>
<td>MP101-3-PS</td>
<td>384 Well, 50ul</td>
<td>Natural</td>
<td>Polystyrene</td>
<td>100</td>
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<tr>
<td>MP101-1-PP</td>
<td>384 Well, 50ul</td>
<td>Black</td>
<td>Polypropylene</td>
<td>100</td>
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<tr>
<td>MP101-2-PP</td>
<td>384 Well, 50ul</td>
<td>White</td>
<td>Polypropylene</td>
<td>100</td>
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<tr>
<td>MP101-3-PP</td>
<td>384 Well, 50ul</td>
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<td>Polypropylene</td>
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<td>MP102-1-PP</td>
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<td>Polypropylene</td>
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<td>MP102-3-PP</td>
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<td>Polypropylene</td>
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<tr>
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<td>Black</td>
<td>Polystyrene</td>
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<tr>
<td>MP111-2-PS</td>
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<td>MP112-1-PS</td>
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<td>White</td>
<td>Polystyrene</td>
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</tbody>
</table>

The MP112 is optimized for non-contact dispensers and high content screening.
Chemically Resistant MatriPlates -

Extremely Flat, Chemically Resistant Plates for Microarrays

Constructed of high-grade polypropylene for superior chemical resistance, with added rigidity, these plates are made in 10, 20 and 30ul volumes to allow for minimal head space during storage. The unique inverted, cropped-pyramid microwell design enhances assay signal through better light transfer, directs automated 96 or 384 pipettor tips into sample microwells, eliminates vapor lock bubble formation, and ensures easier scaling.

Features:

• Available sterile or non-sterile
• Well geometry ensures a dead volume of less than 0.5ul
• Foil seals are able to reseal up to 40 times
• Double ridges around sample well ensure liquid-tight seals

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Well Format &amp; Capacity</th>
<th>Color</th>
<th>Material*</th>
<th>Qty/Case</th>
</tr>
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<tbody>
<tr>
<td>MCR101-1-1</td>
<td>384 Well, 10ul</td>
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<tr>
<td>MCR101-1-2</td>
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<td>Polypropylene</td>
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<tr>
<td>MCR101-1-3</td>
<td>384 Well, 30ul</td>
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<td>Polypropylene</td>
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<tr>
<td>MCR101-2-1</td>
<td>384 Well, 10ul</td>
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<td>Polypropylene</td>
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<tr>
<td>MCR101-2-2</td>
<td>384 Well, 20ul</td>
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<td>Polypropylene</td>
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<tr>
<td>MCR101-2-3</td>
<td>384 Well, 30ul</td>
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<td>Polypropylene</td>
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<tr>
<td>MCR101-3-1</td>
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<td>100</td>
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<tr>
<td>MCR101-3-2</td>
<td>384 Well, 20ul</td>
<td>Natural</td>
<td>Polypropylene</td>
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<tr>
<td>MCR101-3-3</td>
<td>384 Well, 30ul</td>
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<td>MCR111-1</td>
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</tbody>
</table>

*Chemically resistant polypropylene with added rigidity
MatriTube Storage Technology -

2D Barcoded Sample Storage Tubes and Racks

96 and 384 well format, barcoded storage tubes are supplied with laser etched or adhesive 2D barcodes on the base of each tube to track individual samples securely within the laboratory. They are manufactured with high-grade black polypropylene and are factory approved for readability and uniqueness. The racks are designed with a secure tube locking system and a bottom viewing window which allows for easy 2D barcode reading. MatriTubes also offer the ability to maintain sample integrity with foil-sealing options as well as TPE spetum caps, which are available in several colors, with solid or split tops.

Features:

- Class 10,000 clean room manufacturing
- Facilitate sample tracking and identification
- Enables individual compound retrieval and enhanced compound stability

We use a 12x12 data matrix barcode to store 144 alphanumeric characters. Each barcode is verified to ensure it will be readable for the lifetime of the storage tube. Barcodes utilize ECC200 error correction encoding. Even if they are partially damaged, they can still be read.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Well Format &amp; Capacity</th>
<th>Tube Color</th>
<th>Rack Color &amp; Material</th>
<th>Qty/Case</th>
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<tbody>
<tr>
<td>MSP096-A</td>
<td>96 Well, 500ul</td>
<td>Translucent</td>
<td>Black Polypropylene</td>
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<tr>
<td>MSP096-A-1</td>
<td>96 Well, 500ul</td>
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<td>Black Polypropylene</td>
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<tr>
<td>MSP384-A</td>
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<td>384 Well, 35ul</td>
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<td>Black Polypropylene</td>
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</tbody>
</table>
Vial Storage Racks -

Vial Racks Designed for Automated Storage Systems

These vial storage racks are designed for handling of many vials types for use with pipettors, rotary mixers, 2D barcode labelers and readers, cap/decapping devices, and more. This new rack series is designed to hold 8 or 24 glass or plastic vials and are capable of holding sizes from 13mm to 28mm in diameter, or are available sized to your specifications. A viewing window is featured below each vial to allow for easy 2D barcode reading.

Features:

• Accommodate different volumes: 2mL, 3mL, 1 dram, and 20mL

• Vials may range from 13mm to 28mm in diameter

• Holds up to 24 vials per plate

• Viewing window

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Positions</th>
<th>Opening Diameter</th>
<th>Qty/Case</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSP024-C-15.5</td>
<td>24</td>
<td>15.5mm</td>
<td>60</td>
</tr>
<tr>
<td>MSP024-C-16.5</td>
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<td>16.5mm</td>
<td>60</td>
</tr>
<tr>
<td>MSP024-C-17</td>
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<tr>
<td>MSP008-C-28</td>
<td>8</td>
<td>28.0mm</td>
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</tr>
</tbody>
</table>

Eppendorf Type Centrifuge Tube Rack -

Designed for Automated Storage Systems

The Eppendorf Type Centrifuge Tube Rack is specially designed for use with 1.5ml hinge cap centrifuge tubes. It is ideal for use with automated pickers.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Positions</th>
<th>Opening Diameter</th>
<th>Qty/Case</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSP027-C-EPP</td>
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<td>11.00mm</td>
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