

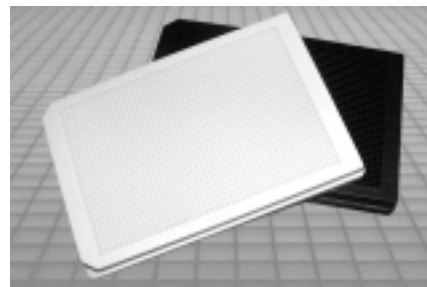
High-Density - 1536-well MatriPlate™

Features:

- Optimized for fluorescence, luminescence, fluorescence polarization and time-resolved fluorescence.
- Offers a 0.5-6µl working volume that provides significant reagent cost savings. Constant aspect ratio between MatriPlate 384 and 1536 allows simple miniaturization from MatriPlate 384 to MatriPlate 1536.
- Unique inverted, cropped-pyramid well design enhances assay signal through better light transfer, directs automated 96 or 384 pipettor tips into sample wells, eliminates vapor lock bubble formation without centrifugation, and ensures easier scaling.

Applications of Interest

- Fluorescence assays
- prompt, FP, HTRF
- Chemiluminescence assays
- Luminescence assays
- Cell based assays



- Ideal for detectors using CCD or PMT technology including LeadSeeker, ViewLux, Victor, Fusion, Envision, Analyst, Acquest, Ultra and more.
- Optional proprietary material has ultra-low fluorescence and phosphorescence allowing low-level signal detection.

Part No.	Volume	Material	Color	Qty./Case
MP111-1-PS	0.5-6µl	Polystyrene	Black	100
MP112-1	10µl	Polystyrene	Black	100
MP112-2	10µl	Polystyrene	White	100

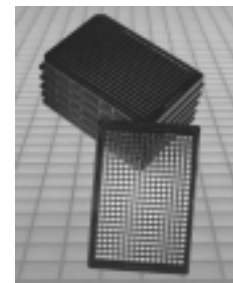
Clear-Bottom - 96, 384, and 1536-well MatriPlate™

Features:

- Bottom surface options: 0.72 or 0.17mm glass (custom available on request) and clear quartz.
- Glass bottom plates are scratch resistant.
- Glass bottom plates are microbubble resistant
- Black polystyrene upper plate structure.
- Applications include fluorescence assays such as laser-induced fluorescence (LIF), Fluorescence Correlation Spectroscopy (FCS); and Nephelometry. Ideal for cell-based assays using Scanning and Confocal imagers including Amersham IN Cell Analyzer, Cellomics ArrayScan, Molecular Devices FLIPR, Universal Imaging Discovery-1, Applied BioSystems FMAT, Perkin Elmer ImageTrak, Q3DM EIDAQ and more.
- **MGB101(384-well) and MGB111(1536-well)** offer 20-120 and 1-12ul working volumes, respectively. Both series include a flat bottom with rounded square wells to eliminate liquid wicking.
- **MGB102 (40uL, 10.4mm height) and MGB103 (70uL, 14.35mm height)** are low volume plate options designed to reduce tissue culture demands by 90% compared to standard volume plates.
- Unmatched flatness tolerances including . Individual window flatness better than 2 microns over a 0.75mm square field of view.
--Frame flatness better than 150 microns from row A to row P and column 1 to 24.
- Additional options: clear or black lids; sterile; and special surface treatments including tissue culture, poly D-lysine, fibronectin, collagen and more.

Applications of Interest

- Cell based assays
- Scanning and Confocal imagers
- CCD imagers
- LIF and FCS
- Nephelometry



Part No.	Volume	Material	Color	Qty./Case
96-well MatriPlate™				
MGB096-1-1	630µl	.72mm-thick glass	Black	50
MGB096-1-2	630µl	.17mm-thick glass	Black	50
MGB096-1-2-LG	630µl	.72mm-thick low glass	Black	50
MGB096-1-2-LG-L	630µl	.72mm-thick low glass	Black	40
384-well MatriPlate™				
MGB101-1-1	110µl	.72mm-thick glass Sterile	Black	50
MGB101-1-1-SC	110µl	.72mm-thick glass, Sterile with poly d-lysine & collagen supercoat	Black	50
MGB101-1-1-L	110µl	.72mm-thick glass with clear lid	Black	40
MGB101-1-2	110µl	.17mm-thick glass, Sterile	Black	50
MGB101-1-2-L	110µl	.17mm-thick glass, Sterile with clear lid	Black	40
MGB101-1-4	110µl	.72mm-thick quartz	Black	50
MGB102-1-1	40µl	.72mm-thick glass	Black	50
MGB103-1-1	70µl	.72mm-thick glass	Black	50
MGB103-1-1-L	70µl	.72mm-thick glass, Sterile with clear lid	Black	50
1536-well MatriPlate™				
MGB111-1-1	10µl	.72mm-thick glass	Black	100
MGB111-1-2	10µl	.17mm-thick glass	Black	100
MGB111-1-2-L	10µl	.17mm-thick glass with clear lid	Black	80
MGB111-C		Plate carrier constructed from anodized aluminum		10

Note: S.I.S. can machine custom sample plates to meet your needs. Just call us at 908-788-5550