PrimeSurface®
Bringing 3D Cells Culture for Reliable Drug Screening, Oncology and Regenerative Medicine

S-BIO provides superior quality three-dimensional cell culture plates with a variety of well shapes to enable spheroid culturing of your specific cell type. PrimeSurface® cell culture labware are ultra low attachment (ULA) dishes and plates that promote scaffold free, self assembly of spheroid formation. The plates are pre-coated with unique ultra hydrophilic polymer that enables spontaneous spheroid formation of uniform size and shape. The ULA plates have high optical clarity making them highly suitable for bright field imaging and confocal microscopy. In addition to the widely used 96 well U bottom plate, 96 well plates are also available in V and M bottom, giving scientist a choice to form tighter spheroids that are needed for specific cell types. For high throughput screening (HTS) needs, 384 well plates are available in clear and white.

**FEATURE**

PrimeSurface® series are coated with a unique ultra-hydrophilic polymer that covalently bound to plastic surface, and effectively inhibits cell attachment without cytotoxic and material degrade. The superior coating technologies and manufacturing processes offer uniform spheroid/EB formation and smooth surface to obtain clear cell images.

**YOUR BENEFIT**

- Non-binding surface for cells to facilitate natural spheroid formation
- Uniform single spheroid/EB formation in each well
- Spheroid assay formation and analysis in the same plate
- A variety of well bottom, U-bottom, Spindle-bottom and V-bottom in 96-well format
- High optical clarity plates for Imaging
- Stable, non-cytotoxic and cell non-adhesion surface
- Easy handling, compatible with liquid robotic system
- 384 well formats for high throughput assay
- Compatible with bright-field and fluorescence imaging systems
- White plates compatible with luminescent assays
Three well bottom shapes of PrimeSurface® 96-well plate

- **MS-9096UZ**: MS-9096MZ
- **MS-9096VZ**: MDA-MB-453
- **MS-9096WZ**: MDA-MB-468

Seeding Density: 2x10^3 cells/well, Culture Medium: RPMI + 10%FBS, Incubation: 37°C, 5%CO₂, Culture Period: 7 Days

MDA-MB-453, MDA-MB-468: human breast cancer

Data are provided by Nishio Lab., Dept. of Genome Bio, Kinki Univ. Faculty of Medicine

Retinal tissue formation from Human ES Cells using PrimeSurface® 96-well V-bottom plate

(a) Plate cut section  
(b) After 18 Hrs culture  
(c) After 6 days culture  
(d) Self-formation of retinal tissue from the aggregate of hESCs

Data (b-d) were provided by Division of Human Stem Cell Technology, RIKEN Center for Developmental Biology

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### SPECIFICATIONS

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Product Name</th>
<th>Well type</th>
<th>Color</th>
<th>Well bottom shape</th>
<th>Maximum well Volume</th>
<th>Package</th>
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<tbody>
<tr>
<td>MS-9024XZ</td>
<td>PrimeSurface 24 well</td>
<td>24</td>
<td>Clear</td>
<td>Flat</td>
<td>3.4 ml</td>
<td>Individual package 10 plates/case</td>
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<tr>
<td>MS-9096UZ</td>
<td>PrimeSurface 96U</td>
<td>96</td>
<td>Clear</td>
<td>Round</td>
<td>300 µL</td>
<td>Individual package 20 plates/case</td>
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<tr>
<td>MS-9096WZ</td>
<td>PrimeSurface 96W</td>
<td>96</td>
<td>White</td>
<td>Round</td>
<td>300 µL</td>
<td>Individual package 20 plates/case</td>
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<tr>
<td>MS-9096MZ</td>
<td>PrimeSurface 96M</td>
<td>96</td>
<td>Clear</td>
<td>Spindle</td>
<td>200 µL</td>
<td>Individual package 20 plates/case</td>
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<tr>
<td>MS-9096VZ</td>
<td>PrimeSurface 96V</td>
<td>96</td>
<td>Clear</td>
<td>V</td>
<td>300 µL</td>
<td>Individual package 20 plates/case</td>
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<tr>
<td>MS-9384UZ</td>
<td>PrimeSurface 384U</td>
<td>384</td>
<td>Clear</td>
<td>Round</td>
<td>106 µL</td>
<td>Individual package 20 plates/case</td>
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<tr>
<td>MS-9384WZ</td>
<td>PrimeSurface 384W</td>
<td>384</td>
<td>White</td>
<td>Round</td>
<td>106 µL</td>
<td>Individual package 20 plates/case</td>
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<td>PrimeSurface dish 90mm</td>
<td>–</td>
<td>Clear</td>
<td>Flat</td>
<td>–</td>
<td>10/package 50/case</td>
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</tbody>
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