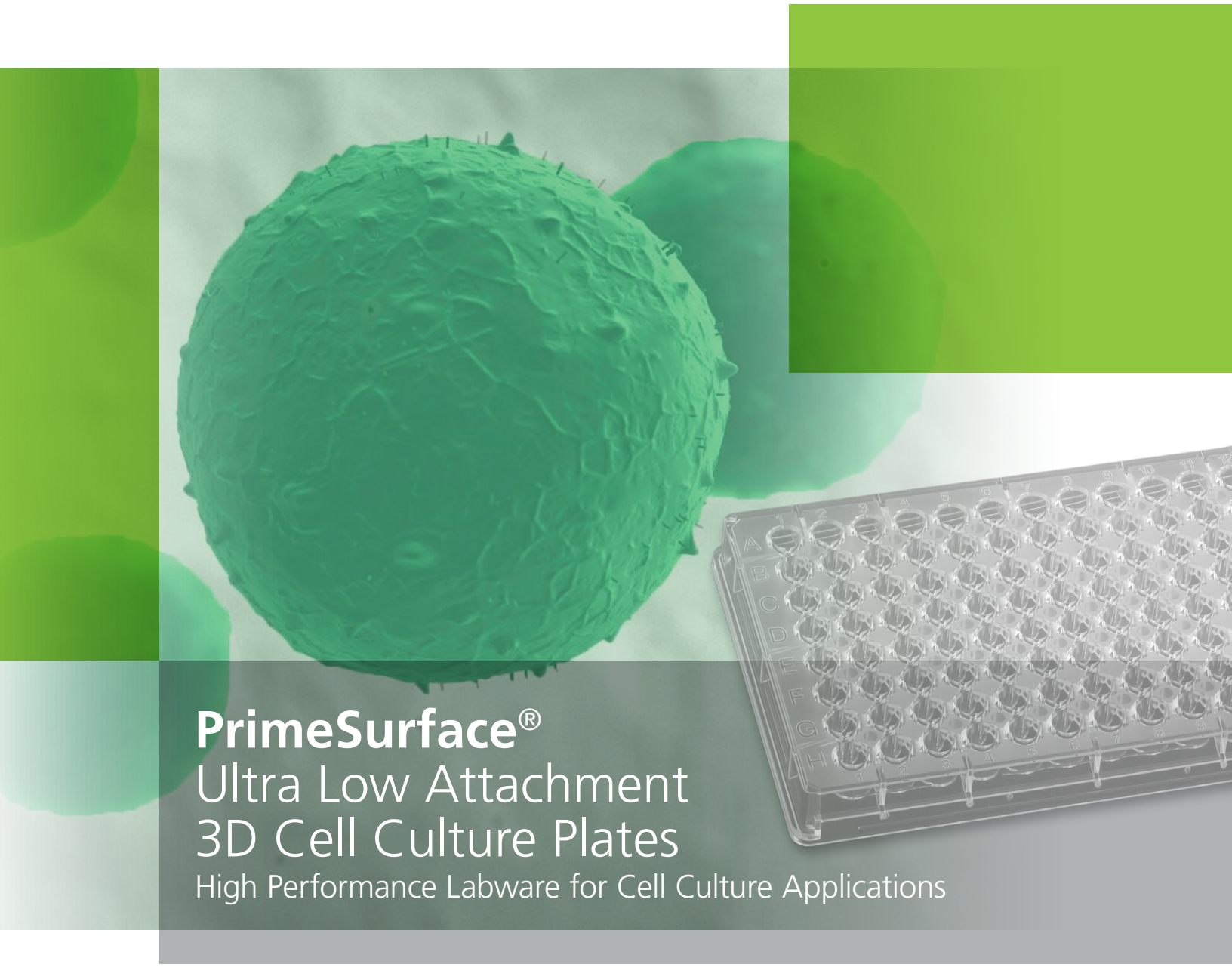
PHCbi

Life Science
Innovator
Since 1966



PrimeSurface®
Ultra Low Attachment 3D Cell Culture Plates
High Performance Labware for Cell Culture Applications

Developed for 3D Cell Culture Applications in SBS Footprint

Stem Cell Research | Drug Discovery and Development | Tissue Engineering | Regenerative Medicine

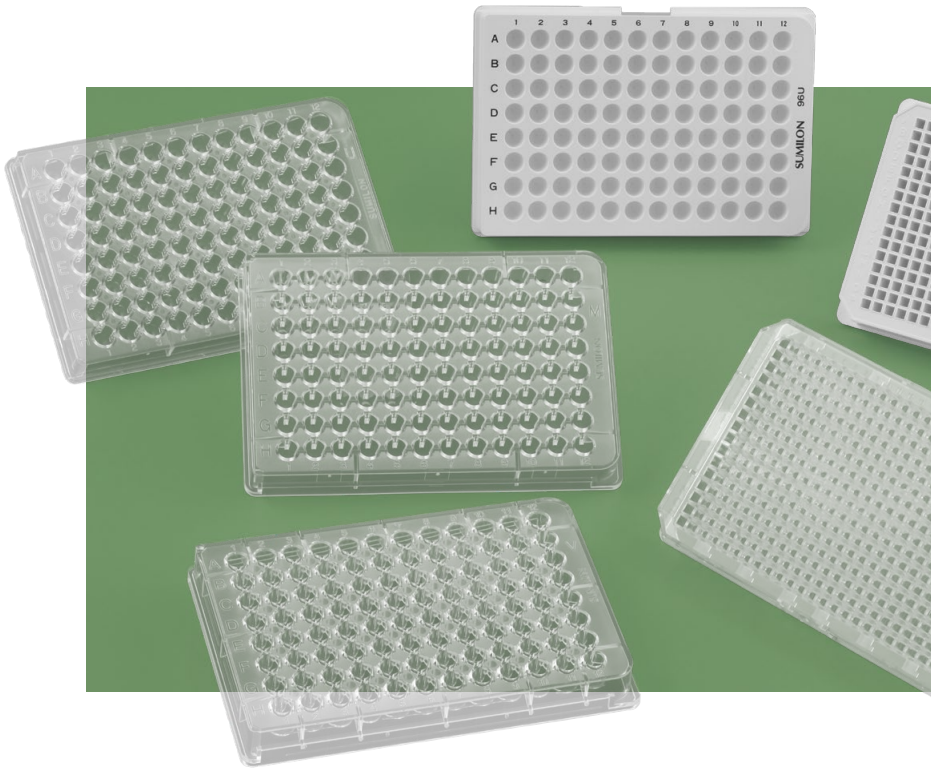
PHC Corporation of North America

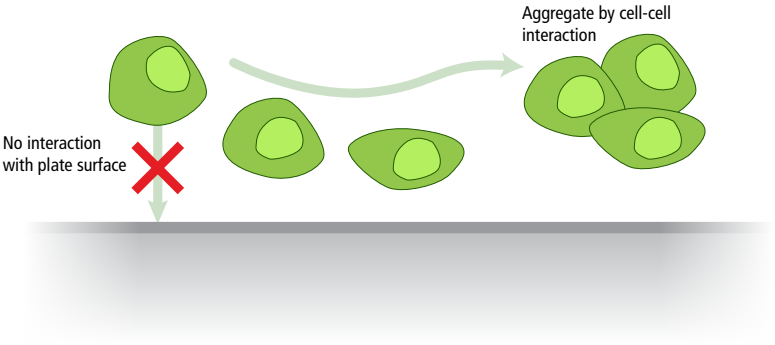
www.phchd.com/us/biomedical

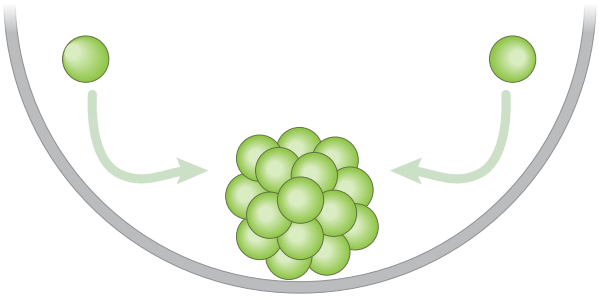
PrimeSurface

PHC provides superior quality three-dimensional cell culture platforms 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 scientists 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 well plates are coated with a unique ultra-hydrophilic polymer that is covalently bound to the plastic surface, and effectively inhibits cell attachment without cytotoxic and material degradation. The superior coating technologies and manufacturing processes offer uniform spheroid/EB formation and a smooth surface to obtain clear cell images.

Key benefits

- Non-binding surface for cells to facilitate natural spheroid formation
- Uniform single spheroid/EB formation in each well
- Spheroid formation and analysis in the same plate
- A variety of well bottom shapes: U-bottom, Spindle(M)-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

Contact

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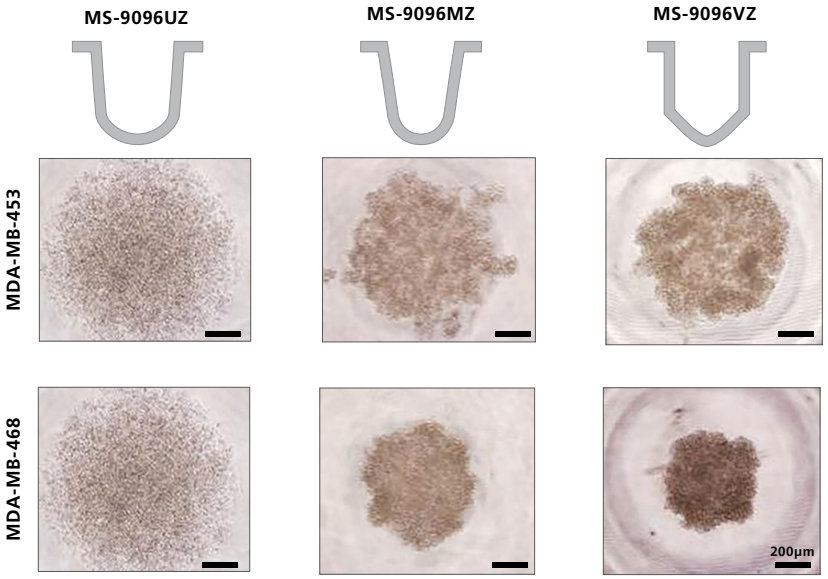
Applications

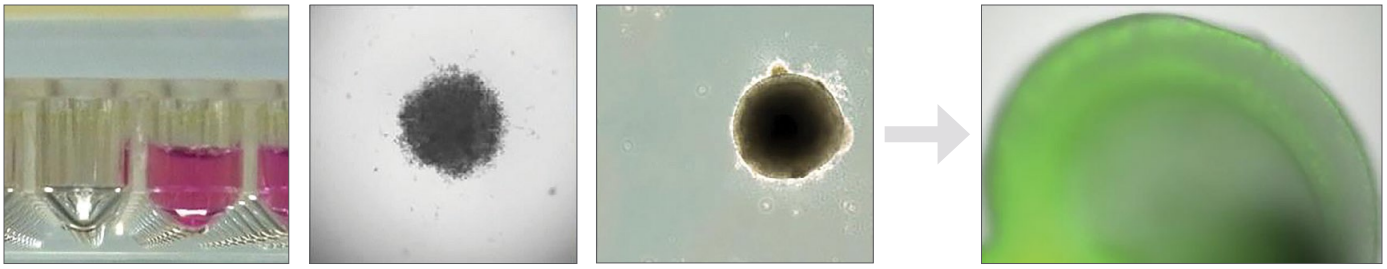
Three well bottom shapes of PrimeSurface 96 well plate



Seeding Density: 2 × 10^3 cells/well
Culture Medium: RPMI + 10%FBS
Incubation: 37°, 5%CO_2
Culture Period: 7 Days
MDA-MB-453, MDA-MB-468: human breast cancer

Data are provided by NishioLab.,
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

Specifications

Microplate

Catalog Number	Product Name	Well Type	Color	Well Bottom Shape	Maximum Well Volume	Package
MS-9024XZ	PrimeSurface 24 well	24	Clear	Flat (1.8cm^2)	3.4 ml	Individual package 10 plates/case
MS-9096UZ	PrimeSurface 96U	96	Clear	Round	300 µL	Individual package 20 plates/case
MS-9096WZ	PrimeSurface 96W	96	White	Round	300 µL	Individual package 20 plates/case
MS-9096MZ	PrimeSurface 96M	96	Clear	Spindle	200 µL	Individual package 20 plates/case
MS-9096VZ	PrimeSurface 96V	96	Clear	V	300 µL	Individual package 20 plates/case
MS-9384UZ	PrimeSurface 384U	384	Clear	Round	106 µL	Individual package 20 plates/case
MS-9384WZ	PrimeSurface 384W	384	White	Round	106 µL	Individual package 20 plates/case

Dish

Catalog Number	Product Name	Well Type	Color	Well Bottom Shape	Maximum Well Volume	Package
MS-9035XZ	PrimeSurface dish 35mm	-	Clear	Flat (9cm^2)	-	5/package 50/case
MS-9060XZ	PrimeSurface dish 60mm	-	Clear	Flat (21cm^2)	-	10/package 100/case
MS-9090XZ	PrimeSurface dish 90mm	-	Clear	Flat (57cm^2)	-	10/package 50/case

Contact

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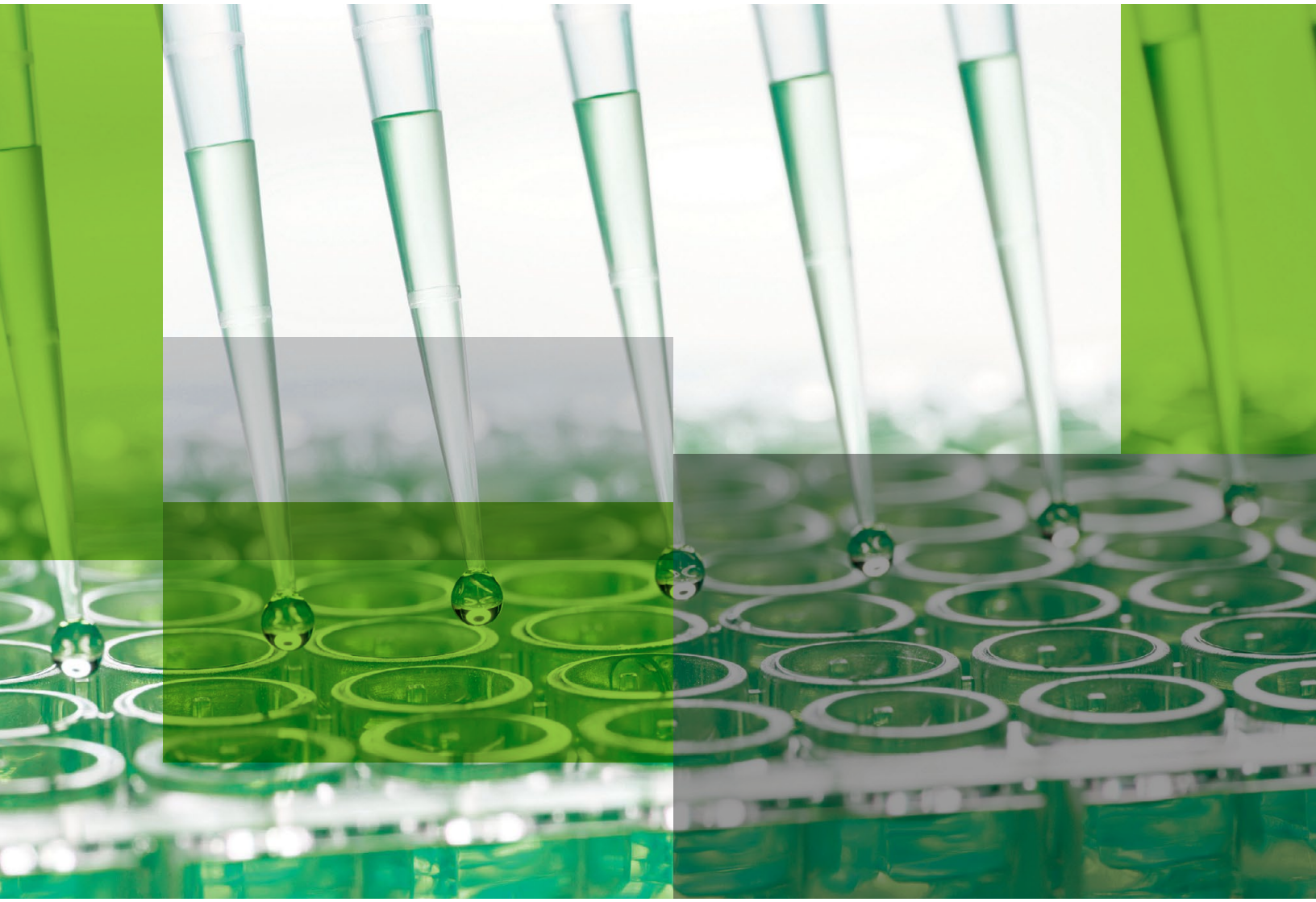
Additional Products

Complementary product lines under the PHCbi brand include the space saving and energy efficient VIP® ECO, VIP Series and TwinGuard® ultra-low temperature freezers, cryogenic and biomedical freezers, pharmacy and high performance refrigerators, cell culture CO_2 and multigas incubators, programmable heated and refrigerated microbiological incubators, Class II, Type A2 biological safety cabinets, portable autoclaves, cell processing work stations and Drosophila/Plant Growth Chambers. For more information, please call PHC Corporation of North America at 800-858-8442, email info@us.phchd.com or visit http://www.phchd.com/us/biomedical.



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