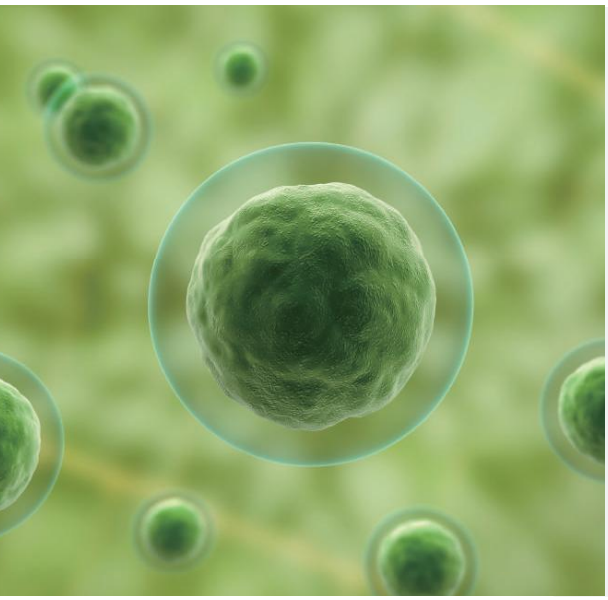
SPL3D™
3D Cell Culture Ware

Cell Floater
Spheroid Forming Unit
Spheroid Forming Gel
Spheroid Dish
Multi Insert Dish

SPL LIFE SCIENCES



SPL3D™
3D Cell Culture Ware

SPL Life Sciences provides a wide range of products for 3D cell culture application, creating more *in vivo*-like environments.

From generating cell spheroids to analyzing it, you can easily experience 3D cell culture with our diverse and innovative 3D cell culture products.

SPL3D™ Product Selection Guide

01
Spheroid Culture: 100 ~ 200 μm



02
Size Up: ~ 1 mm

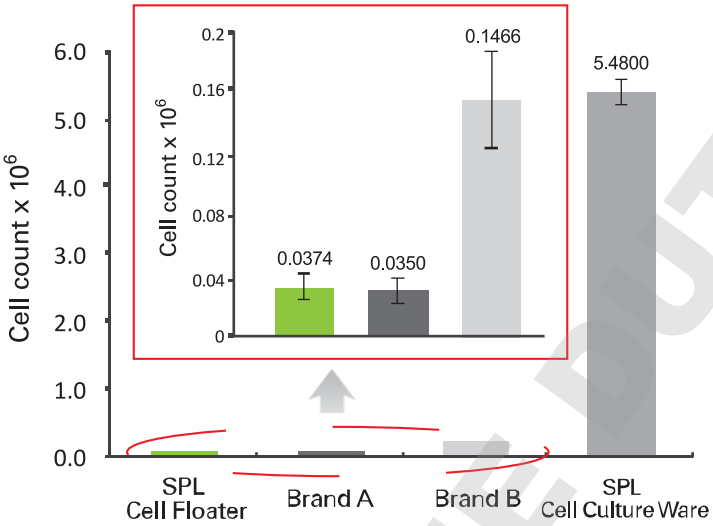
03
Spheroid Counting

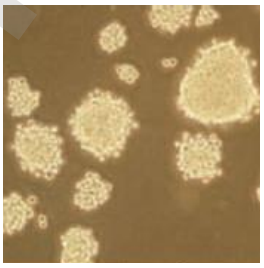
04
Co-Culture / Biomimetics

SPL3D™ - Cell Floater

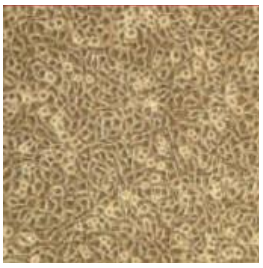
SPL3D™ Cell Floater is a new culture vessel that provides an optimized environment for 3D cell culture. The culture vessel, which is effective for formation of cell spheroids of animal cells, does not require any special incubation techniques. It can easily be implemented in the same way as conventional 2D culture.

- Low binding treated
- Shelf Life: At room temperature (25℃), 3 years





Cell Floater



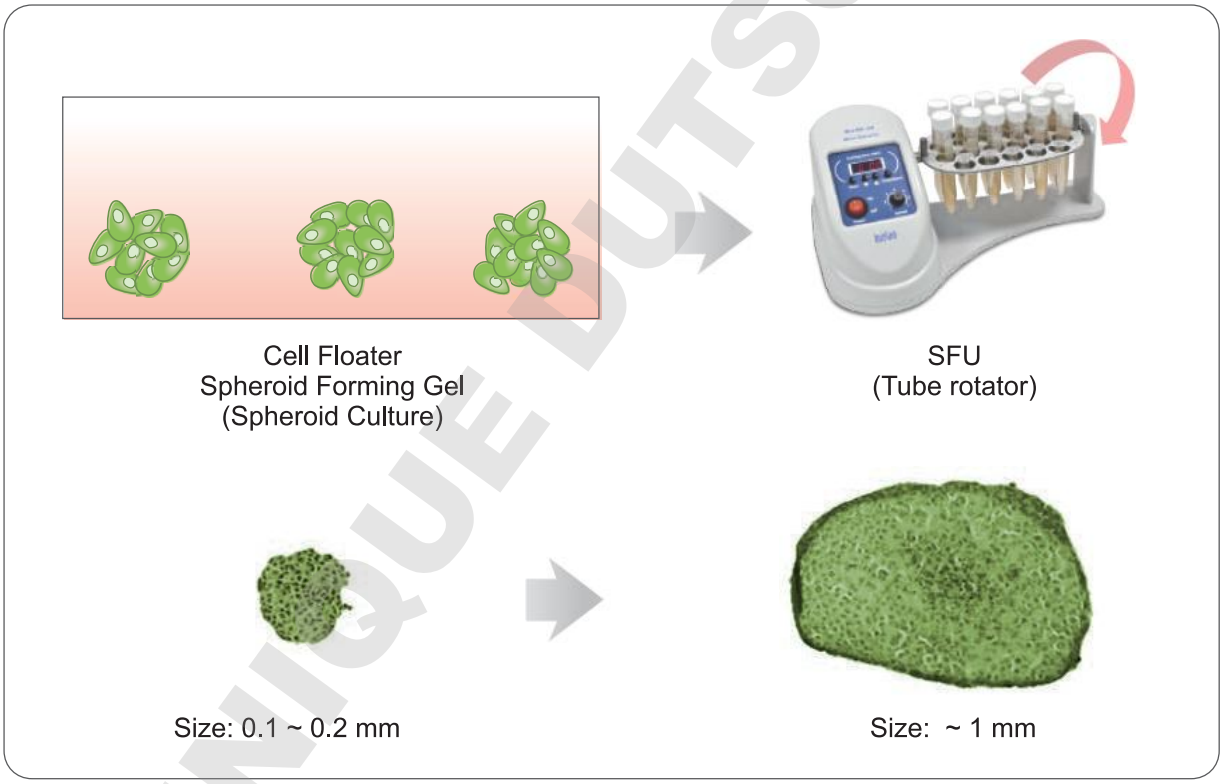
SPL Cell Culture Ware

Cat. No.	Material	Type / Style	External Dimension (mm)	Internal / Well Dimension (mm)	Growth Area (cm²)	Working Volume (ml)	External Grip	Packaging
Dish								
26035	PS	35.00 x 10.00	-	35.00 x 9.60	9.40	3.00	+	10 / 20
26060	PS	60.00 x 15.00	-	52.80 x 12.80	21.50	5.00	+	10 / 20
26100	PS	90.00 x 15.00	-	85.73 x 12.60	57.50	12.50	-	10 / 10
Plate								
39706	PS	6well	85.40 x 127.60 x 20.20	35.00 x 17.50	9.60	3.00	-	1 / 5
39724	PS	24well	85.40 x 127.60 x 20.20	15.50 x 17.50	1.90	1.00	-	1 / 5
39796	PS	96well	85.40 x 127.60 x 20.20	6.50 x 10.80	0.33	0.20	-	1 / 5
Flask								
711025	PS	Filter Cap	-	-	25.00	7.00	-	5 / 10
711075	PS	Filter Cap	-	-	75.00	25.00	-	1 / 3

SPL3D™ - Spheroid Forming Unit (SFU)

SFU (Spheroid Forming Unit) is designed to create cell spheroid and to expand its size with ease. It is inserted to general tube rotators.
Hydrophobic filter membrane is adhered to the air-permeable cap of SFU, and it helps gas exchange easier when culturing cells.

- Membrane thickness: 68 μm
- Pore size: 65 μm
- The Dial in the cap: Controlling Air Circulation
- 0.2 μm PTFE filter membrane



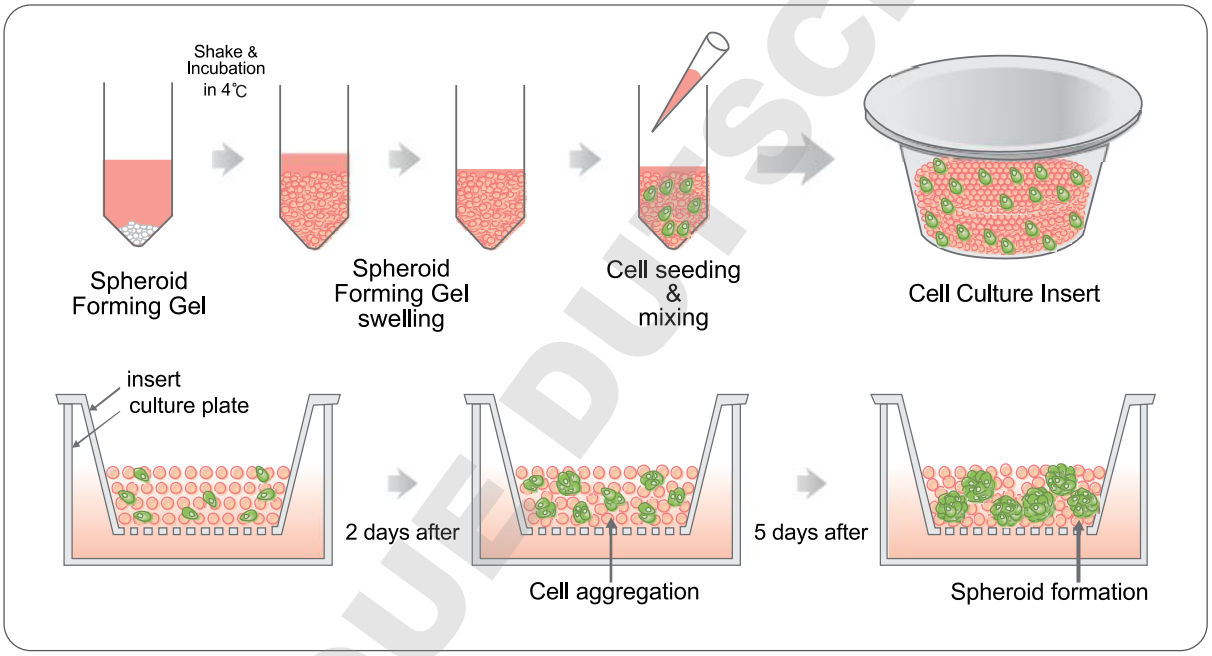
Cat. No.	Material (Tube / Cap / Filter / Dial / Mesh)	External Dimension d x h (mm)	Total Vol. (ml)	Pore size (μm)	Sterile	Packaging
911604	PP / HDPE / PTFE / PP / PET	17.00 x 120.00	15.00	65.00	+	3 / 90

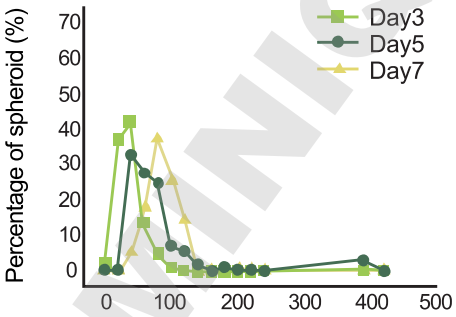
Reference
Jung, H.; Kang, H.; Ryu, J.; Kim, D.; Noh, K.; Kim, E.; Lee, H.; Chung, K.; Cho, H.; Kim, N.; Im, D.; Lim, J.; Jung, C. *Scientific Reports 2017, 7.*

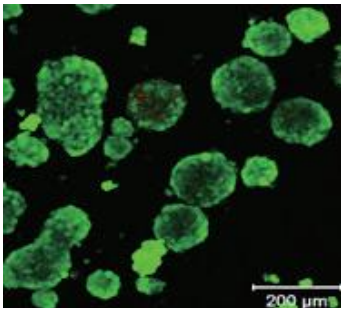
SPL3D™ - Spheroid Forming Gel

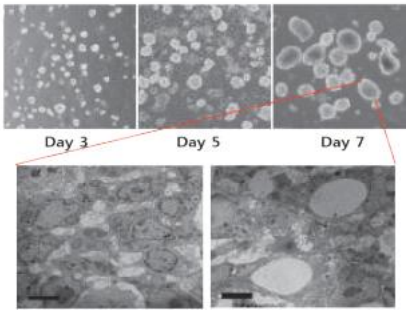
Spheroid Forming Gel is optimized for 3D cell cuture by generating cell spheroid effectively.
It is convenient to use in 3D cell culture.
It creates even size spheroid.
The spheroid can be easily collected.

- Material: Hyaluronic acid
- Swelling size: 280 μm
- Total Weight: 1 g (0.2 g / tube)









Cat. No.	Material	Swelling size	Sterile	Packaging
99005	Hyaluronic acid	280 μm	+	5 tube / box

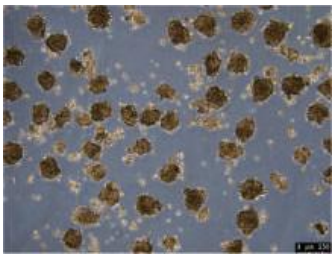
Reference
Kang, S.; Choi, J.; Kim, H.; Seo, J.; Park, S.; Kim, E.; Park, S.; Huh, K.; Chung, H.; Chung, H.; Moon, S. Particle & Particle Systems Characterization 2017, 34, 1600320.

SPL3D™ - Spheroid Dish

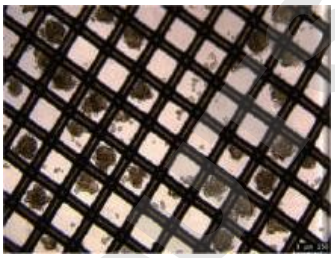
SPL Spheroid Dish is designed for easy culturing and counting the spheroid. Meshes inside the well facilitate identifying and counting the spheroid. After experiment, the spheroid can be easily collected.

- Mesh thickness: 137 µm
- Mesh pore size: 200 µm
- Non-treated (Cat. No. 110350)
- Low Binding treated (Cat. No. 111350)

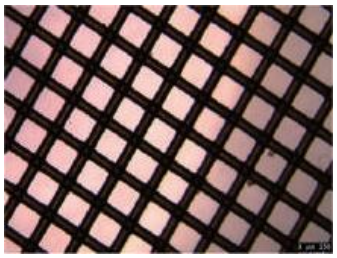
Spheroid Counting (110350)



Spheroid Culture



Spheroid Counting



Spheroid Collection

Spheroid Culture (111350)

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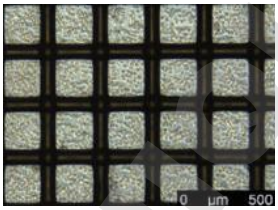
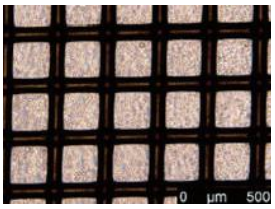
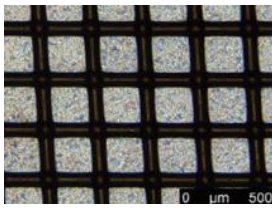
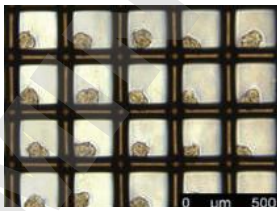
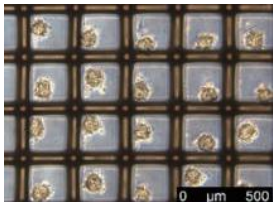
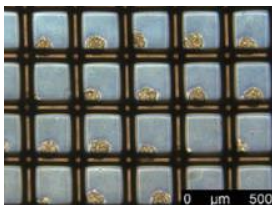
0 h			
48 h			

Cat. No.	Material (Dish / Mesh)	External Dimension (mm)	Internal Well Dimension d x h (mm)	Low Binding Treatment	Sterlie	Packaging
110350	PS / PE	35.00 x 10.00	13.00 x 1.00	-	+	3 / 15
111350	PS / PE	35.00 x 10.00	25.00 x 1.00	+	+	3 / 15

SPL3D™ - Multi Insert Dish

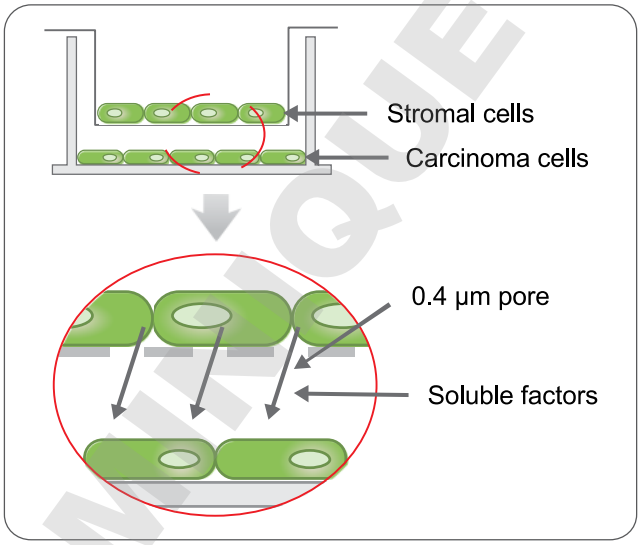
Multi Insert Dish helps research of the interaction among multiple different cells or tissues in one dish, by culturing them in the multiple inserts. Moreover, it is designed to be used for research of the *in vivo* mimic and organic system.

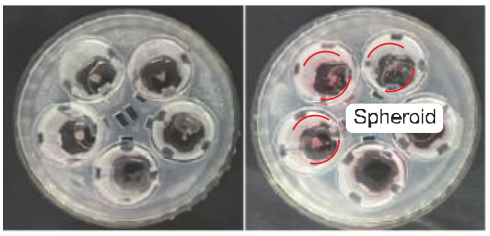
- Mesh material: Nylon
- Mesh thickness: 10 ~ 23 μm
- Mesh pore size: 23 μm
- Membrane material: Polycarbonate (PC)
- Membrane thickness: 10 ~ 23 μm
- Membrane pore size: 0.40 μm
- Non-treated
- Side mesh insert (Cat. No. 911605, 911607)
- Bottomed-membrane insert (Cat. No. 911606)
- Grooves on the bottom for stirring (Cat. No. 911607)

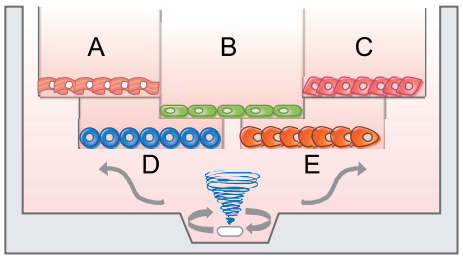
Multi Insert Dish
Cat. No. 911605

Multi Insert Dish
Bottomed membrane
Cat. No. 911606

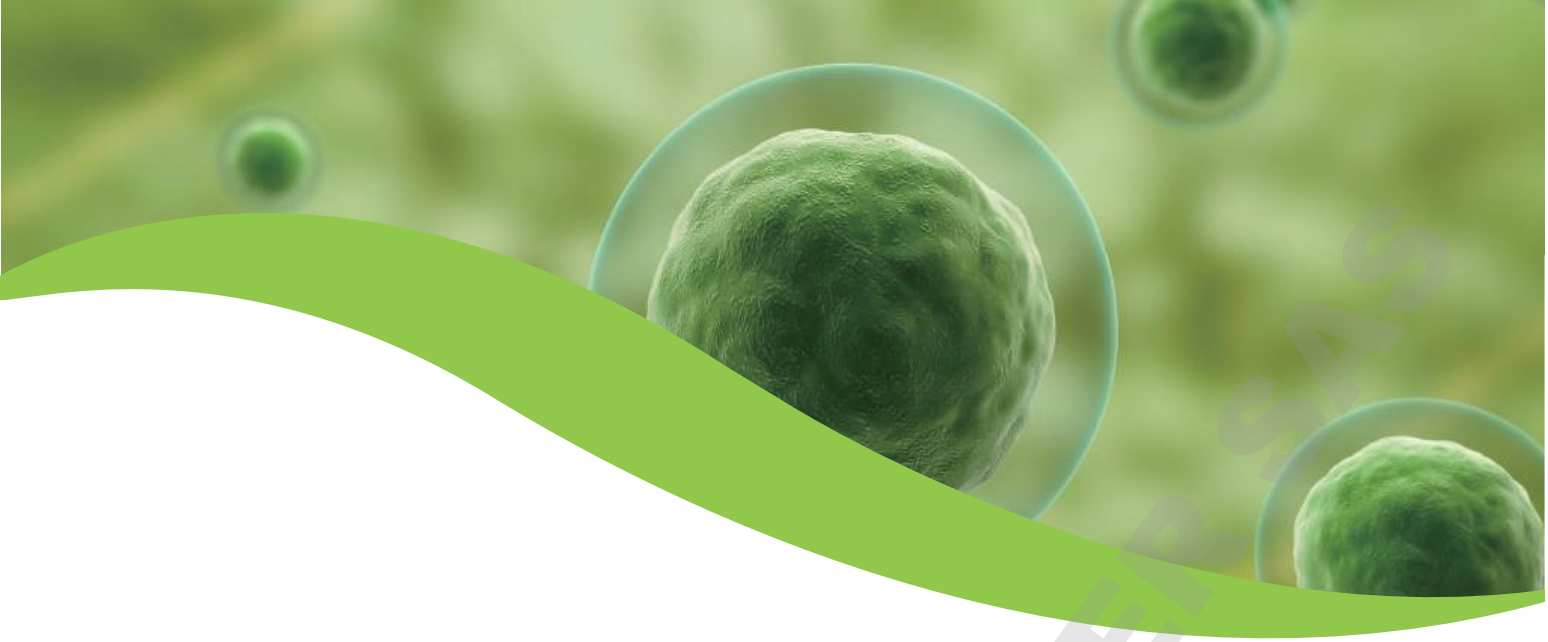
Multi Insert Dish Stirrer
Cat. No. 911607







Cat. No.	Insert Material	Dish Style d x h (mm)	Internal Dimension d x h (mm)	Growth Area per insert (cm²)	Working Volume per dish (ml)	Groove Bottom	External Grip	Sterile	Packaging
911605	Nylon	60.00 x 20.00	53.00 x 18.00	1.77	15.00	-	+	+	9 / 18
911606	PC	60.00 x 20.00	53.00 x 18.00	1.77	15.00	-	+	+	9 / 18
911607	Nylon	60.00 x 20.00	49.53 x 19.30	1.77	15.00	+	+	+	9 / 18



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