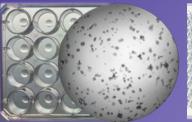
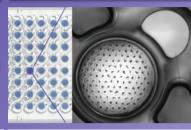
# UNBIOSCIENCE



Traditional organoid culture

Organoid culture on Gri3D®





Different organoid size

Homogeneous organoid size

Multiple focal planes

Single focal plane

Organoids ECM-embedded

Organoids in suspension

Random positioning in X, Y

Pre-determined positioning

Low throughput

High throughput

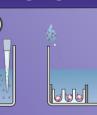
Training required

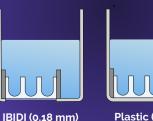
Extremely user-friendly

### **Empowering your Imaging**









Plastic (1 mm)



Plastic 1 mm IBIDI 180 µm

Round-bottom microcavities



Pipetting port

## Ready-to-use and Automation-friendly

And let biology













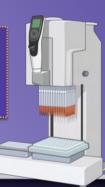








Perform your media change without tissue loss, thanks to our unique pipetting port



### Standard and Custom Gri3D® Products

μwell Ø (μm)

96WP #µwell/well

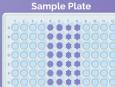
24WP #uwell/well



100

1677

5681



200

511

1573

300

211

733





7

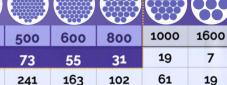
19

	STANDA	
	***********	\œ

400

121

379





Choose the bottom

of your choice

# Gri3D®: One Platform - Endless Possibilities

#### **BLOOD-BRAIN BARRIER**

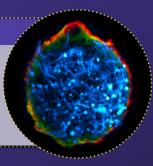
Cells: human primary astrocytes, pericytes, and endothelial cells - 1:1:1 ratio

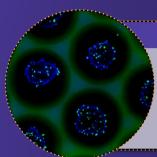
3000 cells per microwell

Time of culture: 3-5 days

Gri3D format: Gri3D® 96WP 600 μm

Simonneau et al., 2021





#### LIVER

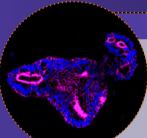
Cells: iPSC-derived hepatocytes, endothelial cells, and stellate cells - 10:3:1 ratio
4200 cells per microwell

Time of culture: up to 1 month

Gri3D format: Gri3D $^{\circ}$  96WP 500  $\mu m$ 

Meseguer-Ripolles et al., 2021





#### INTESTINE

Cells: human adult stem cell-derived intestinal organoids 200 cells per microwell

Time of culture: 7 days

Gri3D format: Gri3D® 96WP 500 um

Brandenberg et al., 2020



#### **GASTRULOID**

Cells: human pluripotent stem cells

45 cells per microwell

Time of culture: 3-4 days

Gri3D format: Gri3D® 96WP 200 µm

Khoei et al., 2023





Cells: mouse embryonic stem cells,

300 cells per microwell

Time of culture: 26 days

Gri3D format: Gri3D® 96WP 1600 μm

Decembrini et al., 2020



#### **MELANOMA**

Cells: mouse primary melanocytes (seeded fresh from biopsy) 500 cells per microwell

Time of culture: 1-2 weeks

Gri3D format: Gri3D® 96WP 500 µm

#### **PANCREAS**

Cells: human pancreatic adenocarcinoma patient-derived organoids

200 cells per microwell

Time of culture: 1 week

Gri3D format: Gri3D® 96WP 500 µm

Roch et al., ISSCR 2022 - Poster

#### (IMMUNO)-ONCOLOGY

Cells: human colorectal cancer derived, and tumor-infiltrating lymphocytes at different ratios

200 cells per microwell

Time of culture: 1 week

Gri3D format: Gri3D® 96WP 500 µm

Dutta et al., 2021

#### **BONE MARROW**

Cells: HUVECs\* + mesenchymal stem cells

- 75:25 ratio, addition of HSPC\*\* at different ratios

500 cells per microwell

Time of culture: 1 week

Gri3D format: Gri3D® 96WP 400 µm

Giger et al., 2022

\*Human umbilical vein endothelial cells / \*\* Hematopoietic stem and progenitor cells



