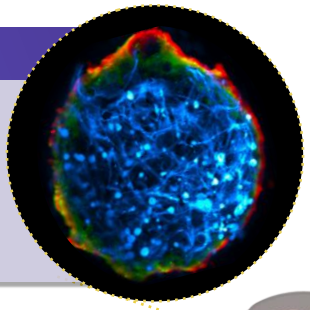
BLOOD-BRAIN BARRIER



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

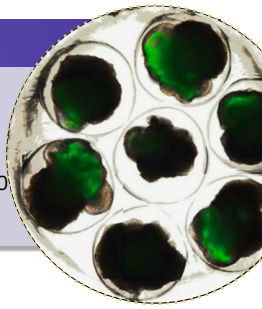
3000 cells per microcavity

Time of culture: 3-5 days

Gri3D format: Gri3D® 96WP 600 µm

Simonneau et al., 2021

RETINA



Cells: mouse embryonic stem cells,

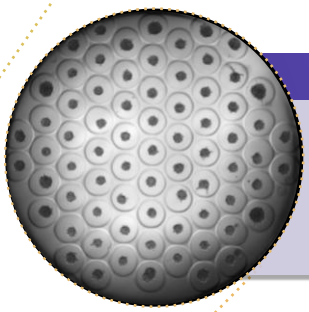
300 cells per microcavity

Time of culture: 26 days

Gri3D format: Gri3D® 96WP 1600

Decembrini et al., 2020

MELANOMA



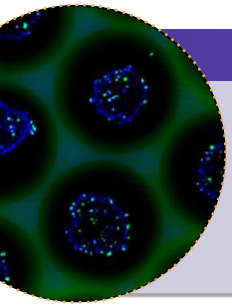
Cells: mouse primary melanocytes (seeded fresh from biopsy)

500 cells per microcavity

Time of culture: 1-2 weeks

Gri3D format: Gri3D® 96WP 500 µm

LIVER



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

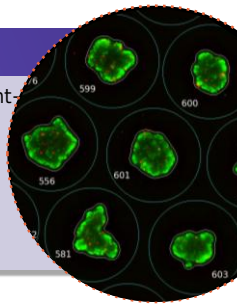
4200 cells per microcavity

Time of culture: up to 1 month

Gri3D format: Gri3D® 96WP 500 µm

Meseguer-Ripolles et al., 2021

PANCREAS



Cells: human pancreatic adenocarcinoma patient-derived organoids

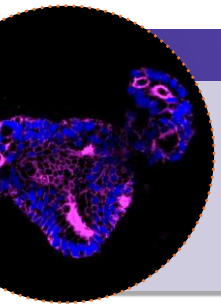
200 cells per microcavity

Time of culture: 1 week

Gri3D format: Gri3D® 96WP 500 µm

Roch et al., ISSCR 2022 - *Poster*

INTESTINE



Cells: human adult stem cell-derived intestinal organoids

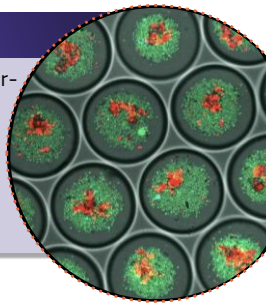
200 cells per microcavity

Time of culture: 7 days

Gri3D format: Gri3D® 96WP 500 µm

Brandenberg et al., 2020

(IMMUNO)-ONCOLOGY



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

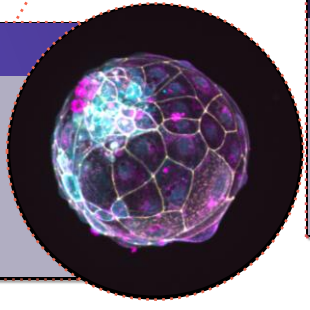
200 cells per microcavity

Time of culture: 1 week

Gri3D format: Gri3D® 96WP 500 µm

Dutta et al., 2021

GASTRULOID



Cells: human pluripotent stem cells

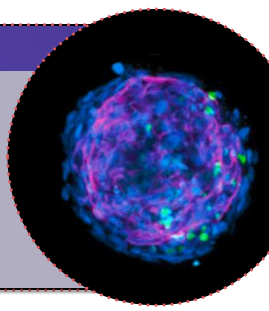
45 cells per microcavity

Time of culture: 3-4 days

Gri3D format: Gri3D® 96WP 200 µm

Khoei et al., 2023

BONE MARROW



Cells: HUVECs* + mesenchymal stem cells - 75:25 ratio, addition of HSPC** at different ratios

500 cells per microcavity

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