

# SPHERICALPLATE 5D<sup>®</sup>

Ecosystem for Cancer Spheroid Research



12 strips with 8 wells  
25 microwells per well  
**2400 spheroids  
per plate**

- Uniformly sized spheroids
- Standardized and simplified spheroid formation via optimized niche geometry and surface
- Flexibility in experimental setup design
- Enables data collection from multiple individuals in a small volume

► TURN PIPETTING INTO PUBLISHING

#communicare

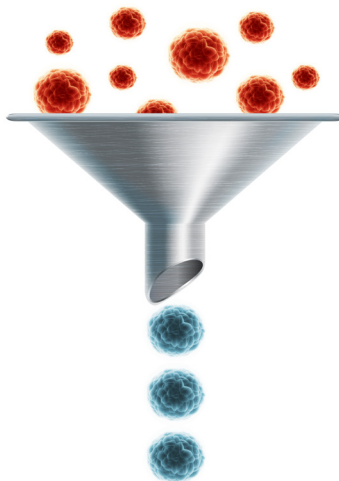
KUGELMEIERS<sup>®</sup>  
► ENABLING UNLIMITED CELL THERAPIES



## ► Standardization

The Sphericalplate 5D strip format offers unique features tailored to ensure **uniformity, viability and flexibility**.

Its distinctive geometry and surface facilitate the integration of cells into spheroids, providing unparalleled control over your cell culture. Effortless replication, easy medium changes, and full automation capabilities provide all the necessary options for both basic research and high-throughput analysis.



## ► Sphericalplate 5D Testimonials

«The Sphericalplate 5D is working wonderfully with my human prostate cancer cell line.»

**Dr. Lisette A. Cruz** – Department of Diagnostic and Biomedical Sciences, University of Texas Health Science Center at Houston USA

«This plate is a game changer. Everyone who needs a lot of clusters needs this plate!»

**Prof. Dr. Dr. Maximilian Y. Emmert** – Institute for Regenerative Medicine, IREM, University of Zurich

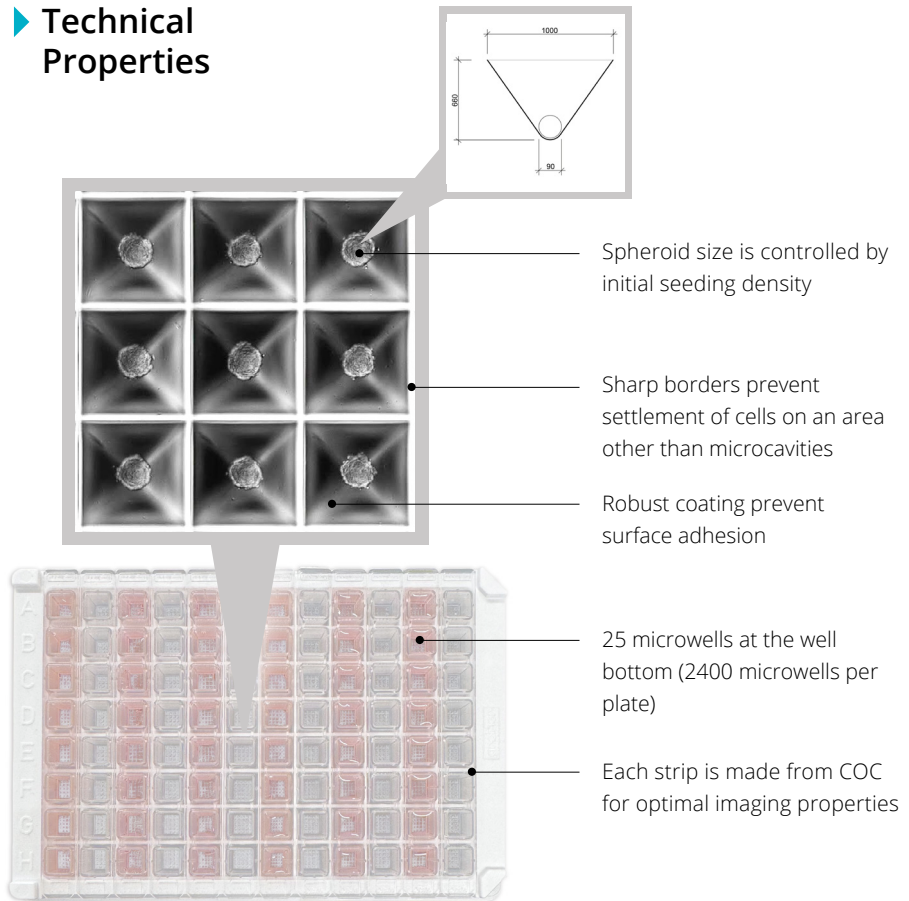
«The SP5D 96W plate enabled us to grow primary human hepatocytes for 21 days, with 25 replicates per well.»

**Dr. Martine Duajat** – Institute for Regenerative Medicine and Biotherapy - Montpellier - France

«5P5D-96-well strip format offers more flexibility for testing different samples in just one plate in separate strips utilizing the standardized spheroid formation procedure and resulting 3D constructs. For initial testing of different parameters/compounds/supplements/conditions a great advantage.»

**Prof. Dr. Cornelia Kasper** – Institute of Cell and Tissue Culture - BOKU University

## Technical Properties



<b>Format</b>	Strip mount on the 96-well frame
<b>Strip material</b>	clear and transparent cyclic olefin copolymer (COC)
<b>Surface modification</b>	Surface is treated to prevent the binding of proteins to microwells
<b>Lid material</b>	Transparent polystyrene (PS)
<b>Sterility</b>	X-Ray irradiated

## Number of Microwells

Per well **25**

Per plate **2400**

## Volumes / well

Theoretical max. volume **0.4 ml**

Working volume **0.1-0.2 ml**

## ► Cells Successfully Cultivated in the Sphericalplate 5D

human embryonic stem cells

mouse embryonic stem cell line (HM-1)

human mesenchymal stromal cells

Primary islet cells (human, pig, rodents)

Beta cell lines (EndoC- $\beta$ H1, MIN-6)

Intrahepatic cholangiocyte organoids (ICO)

human amniotic epithelial cells (hAEC)

Primary smooth muscle cells

human umbilical vein endothelial cell line (huVEC)

mouse 3T3 fibroblast cell line

human breast cancer cell lines (BT20, MCF-7)

human prostate cancer cell line (LNCaP)

human lung cancer cell line (A549)

human osteosarcoma cell line (Saos-2)

human adrenal gland cancer cell line

human ovarian cancer cell lines  
(OVCAR-3, OAW-42, SK-OV-3)

human liver cancer cell line (HepG2)

human hepatic cells (HepaRG)

human caucasian fetal lung cell line (WI-38)

human glioblastoma cell line

**For the generation of:** 3D cell cultivation / Embryoid bodies / Tumor spheroids

## ► Order Information

### Specification

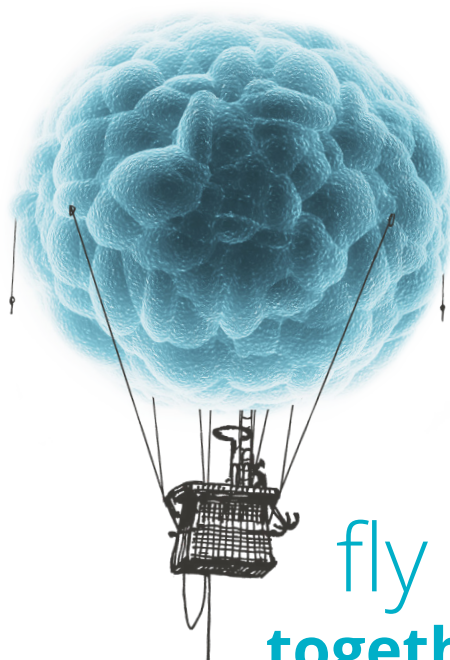
### Quantity

Sphericalplate 5D Strip 96-well cell culture platform with microwells

1 Plate (12 Strips)

For price offers please contact

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together.

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