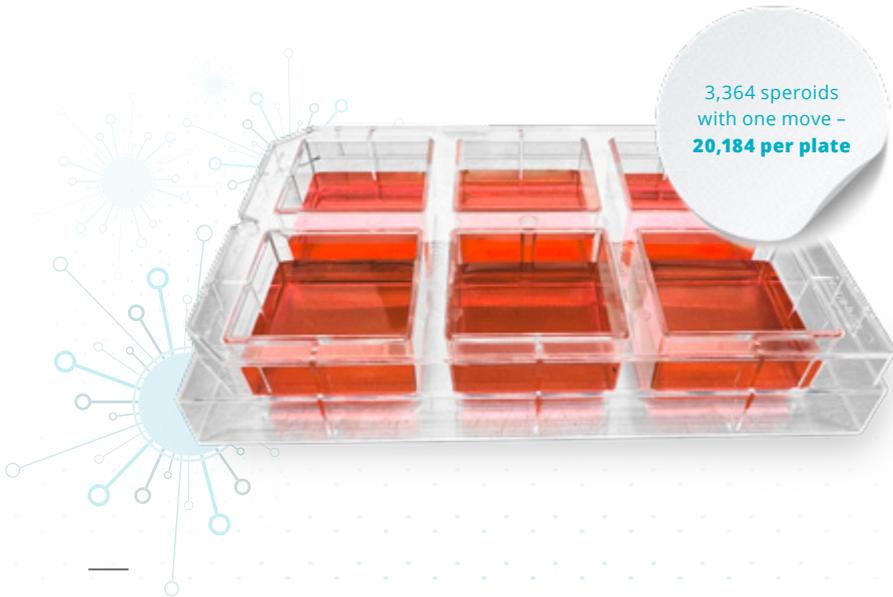


# SPHERICALPLATE 5D®

Ecosystem for Regenerative Medicine



- Uniformly sized spheroids
- Standardized and easy spheroid formation by optimized niche geometry and surface
- Convenient upscaling without loss of spheroid quality
- Ability to translate for translational research

▶ TURN PIPETTING INTO PUBLISHING

#communicare

 heidolph

KUGELMEIERS®  
▶ ENABLING UNLIMITED CELL THERAPIES



## ► Safety First

„Safety First“ is the principle of the cell culture platform Sphericalplate 5D. It has unique specific features to support **uniformity, viability and scalability**.

Our special geometry and surface enable the cells to be integrated within a spheroid, giving you unparalleled control over your cell culture. Effortless upscaling, easy medium change and full automation capabilities give you all options for basic and translational research.



## ► Sphericalplate 5D® Testimonials

«By using Sphericalplate 5D® 6-well plate format for the generation of organoid-laden spheroids in our European project OrganTrans, we can standardize the formation of the spheroids while upscaling the number of spheroids necessary for a clinical translation.»

Prof. Dr. Bart Spee – Associate Professor, Department Clinical Sciences, Utrecht University

«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

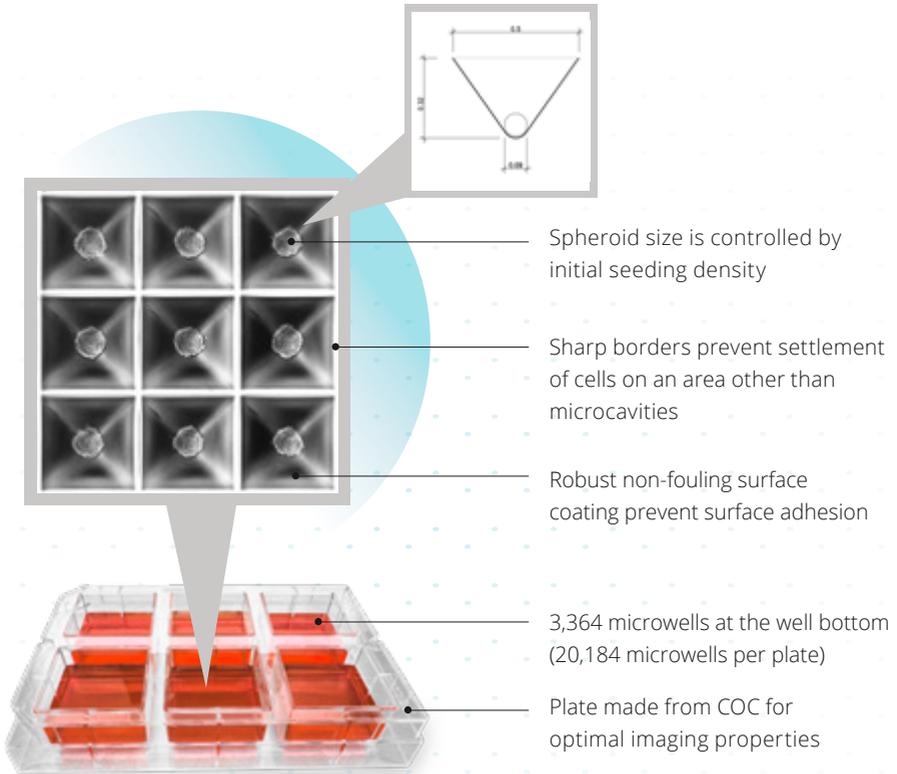
«We just did our first try with #sp5d plates ... very happy with the results! Very uniform and compac!»

Prof. Chrisna Gouws – Associate Professor at North West University South Africa

«Experience the next level of organoid and spheroid formation with this state-of-the-art 6-Well Plate, skillfully designed for optimal standardization and scalability. Benefit from seamless workflow integration and consistent, reproducible outcomes using this user-friendly, high-throughput platform.»

Dr. Ekaterine Berishvili, MD – Department of Surgery/Cell Isolation and Transplantation Center Geneva

## ► Technical Properties



Number of well (Format)	6 (square)
Plate material	clear and transparent cyclic olefin copolymer (COC)
Surface modification	Non fouling coating
Lid material	Transparent polystyrene (PS)
Sterility	X-Ray irradiated

## Number of Microwells

Per well 3,364

Per plate 20,184

## Volumes / well

Theoretical max. volume 14 ml

Working volume 2 – 4 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-βH1, 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

Spezifikation	Quantity	P / N
Sphericalplate 5D® 6-well cell culture with microwells	1 Plate	<b>549-16010-00-0</b>

If you want to learn more about our limited launch offers,  
please contact

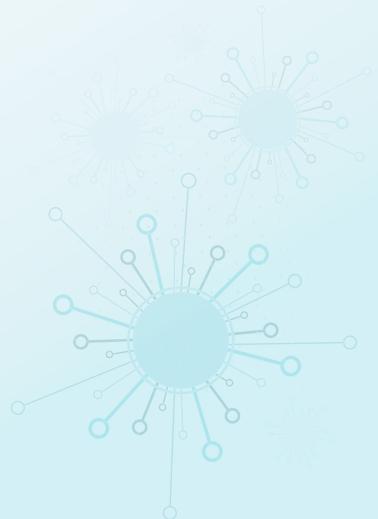
[info@kugelmeiers.com](mailto:info@kugelmeiers.com)

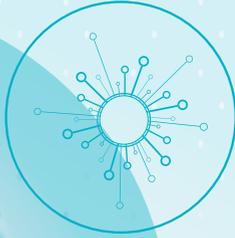
For your individual offer and orders,  
please contact us:

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made  
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