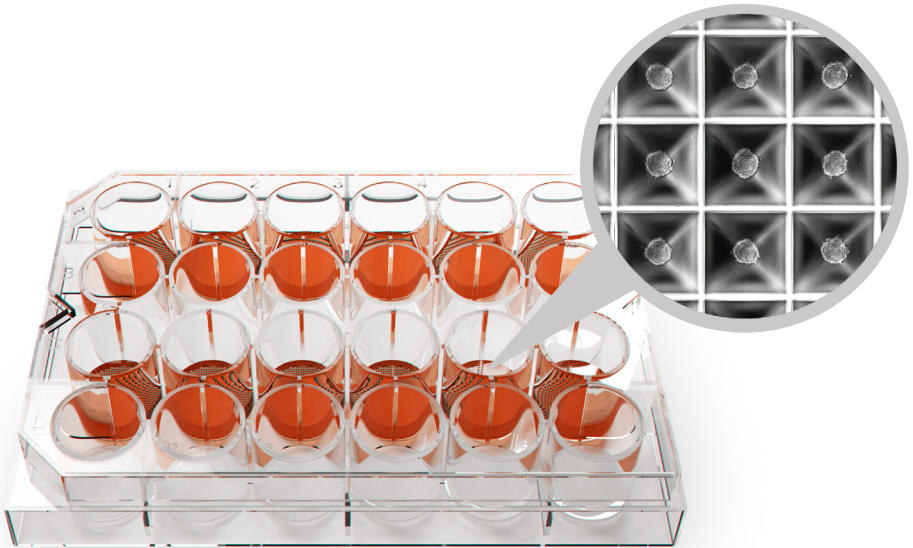


SPHERICALPLATE 5D[®]

Ecosystem for Regenerative Medicine



► Cancer Research



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

Dr. Lissette A. Cruz

Postdoctoral Research Fellow, Department of Diagnostic and Biomedical Sciences,
University of Texas Health Science Center at Houston USA



The Benefits

- uniformity - standardization of spheroid formation
- no surface attachment due to pre-applied coating
- scalability - production of high quantities of spheroids to do high throughput imaging/screening/analysis (e.g. Omics > Proteomics/Genomics/Metabolomics)
- suitable for personalized diagnosis or individualized investigations of patient derived cells
- easy application for testing different compounds on many spheroids within wells on the same plate
- compatibility with standard, existing imaging, and automatization technologies/ equipment/systems > especially centralized position of spheroid within microwell
- usability of /compatibility for many different cancer cell-lines (see examples below)
- short culture time to generate sufficient spheroids
- long term cell culture possible
- collection of secretome from the cancer spheroids possible

Example of cancer cells successfully cultivated in SP5D

- human (A549) lung cancer cell line
- human (HepG2) liver cancer cell line
- human (Saos-2) osteosarcoma cell line
- human (LNCaP) prostate cancer cell line

Literature:

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5. further information: www.sp5d.com