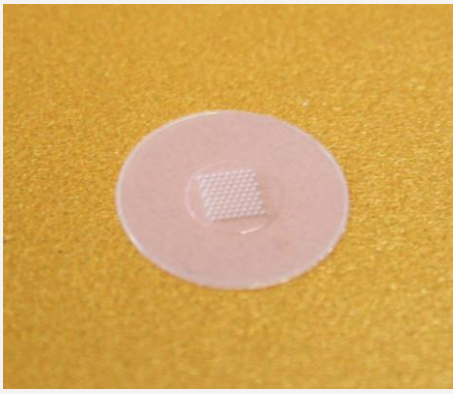
CaviSphere® Sheets

Flexible 3D Cell Culture Solutions

Reliable 3D Cell Culture, Designed for Your Lab

CaviSphere® Sheets are microstructured films for the reliable and easy formation of uniform 3D cell cultures. They are ready to use, integrate seamlessly with standard assays and imaging, and fit common cell culture inserts, streamlining advanced and routine workflows alike.



MicroSphere Sheets

- Simple handling, ready to use in common lab workflows
- Precision microcavity arrays for reproducible 3D cultures
- Excellent imaging performance
- Multiple formats for different throughput needs
- Fits CellCrown™ inserts and custom lab devices

Fast Track to 3D Cell Culture – 16 mm Cut-out for Standard Inserts

Starting at 25 €

- 784 cavities: For high-throughput and downstream analysis (*Art. MicroSphere-PC-784-16R*)
- 80 cavities, 60° bevel: For advanced imaging and future O_2 measurement (*Art. MicroSphere-PC-80-16*)
- Also available: alternative diameters, bevel options, or custom-cut to fit your device
- Starting at 25 € per sheet
- Switch easy to advanced products like porous sheets (PoroSphere) or O_2-sensing (SensoSphere)

Seamlessly Expandable for Advanced Needs

	MicroSphere	PoroSphere	SensoSphere
Key Features	• Compatible with standard workflows • Long-term cell culture	• Dynamic cell culture • Co-culture • Channels also available	• Precise O_2 measurement • in 3D and in real-time • 3D Mito Stress Test
Materials	PC, PS, PLA	PC	PC-based
Microscope-compatible	●●●●●	●●●●○	●●●○○
Cutting Edge Solution	●●●●○	●●●●○	●●●●●
Products	• *MicroSphere-PC-784-16R* • *MicroSphere-PC-80-16R*	• *PoroSphere-784-16R* • *PoroSphere-80-16R*	• *SensoSphere-80-16R* • *Custom-made options*

Why choose CaviSphere®

CaviSphere® Sheets deliver consistent, reproducible 3D organoid results and integrate easily into your laboratory workflow. With lab-ready formats and a modular system, you can effortlessly switch between MicroSphere, PoroSphere, and SensoSphere to adapt to your research needs.

Order your CaviSphere® Sheets at www.cavigen.eu
or contact us at info@cavigen.eu for custom formats and expert support.

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CAVIGEN

CaviSphere® Sheets

Find Your Optimal 3D Cell Culture System

What is your current challenge or primary application?

A) Dynamic Cell Culture or Transmembrane Assays

You need PoroSpheres

Engineered with pores (2-10 µm) for dynamic studies, transmembrane assays, fluid flow and advanced co-culture.

B) Microscopy and Standard Assays

Try MicroSpheres

Starting at 25 €

Our versatile, microscopy-optimized platform for highly reproducible organoid formation and seamless integration.

C) Real-time Oxygen Measurement

SensoSpheres fit best

Integrates O_2 sensors for precise, label-free, real-time oxygen monitoring directly in your 3D cell culture.

PoroSpheres

Use our sheets with 784 or 80 cavities with a diameter of 300 µm and 10^6 pores/cm² or ask for customized solutions.
e.g. PoroSphere-784

SensoSpheres

SensoSphere with a 30° bevel for detailed O_2 depth information (*SensoSphere-80-16R-B30*) or our all-rounder with 60° bevel (*SensoSphere-80-16R-B60*).

A) Need high cell yield or high-throughput screening?

B) Plan for O_2 measurement?

C) I have another applikation.

I want to switch to dynamic settings or try transmembrane assays.

Are my cells exposed to physioxia or hypoxia?

MicroSphere-PC-784

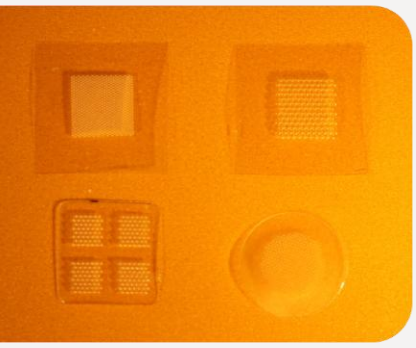
784 microcavities:
Maximize your cell harvest for downstream assays. Switch easily to other materials (PLA, PS) or formats.

MicroSphere-PC-80

80 microcavities:
Ideal for advanced imaging, pre-optimized geometry for an easy change to SensoSpheres.

Customized solutions

- We have also PLA or PS
- Ask for our cavities with 500 or 800 µm in diameter
- Ask for customized solutions



What format do I need?

- Use 16 mm cut-outs (16R) for cell culture inserts like Scaffdex CellCrown™ 12NX
- Ask for customized cut-outs without additional costs

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