

# Here is CERO | *it's new. it's 3D. it's ideal for your cell culture*



Meet a brand-new device for your cells.

+ Spheroids + Organoids + iPS Cells + Primary Cells +

## CERO. A Benchtop Incubator & Bioreactor

[zero gravity, zero work load, highest yield]

- Convenient, simple Process** high cell yields, long term culture, cost-effective
- Relevant Cells** proprietary 3D cell culture technology, better diffusion, accelerated maturation
- Consistent Results** scalable to production level, automatable



Prof. Dr. Heikenwälder, Chronic Inflammation and Cancer, Deutsches Krebsforschungszentrum (DKFZ), Heidelberg, Germany

*"Cultivating hepatocyte spheroids in CERO considerably improves expansion, differentiation, maturation and hepatic virus infection compared to monolayer culture. Our research takes advantage from healthy cells even from long-term cultures in CERO. Moreover, we are now able to perform 3D long-term culture of human tissue specimen in CERO - a paradigm shift."*

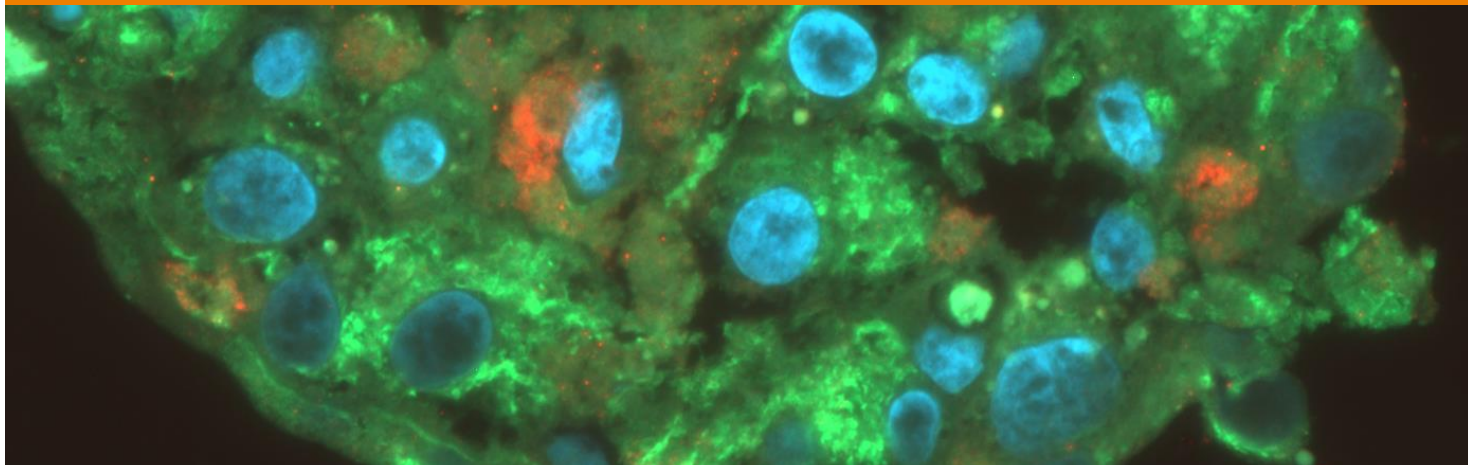
Find out more now. **Get in touch.**

- + Test it! Schedule your product demo
- + Join us for a free 15' webinar  
[cero.ols-bio.de](http://cero.ols-bio.de)

Get in touch for further information:  
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OLS OMNI Life Science GmbH

For research use only. Not for use in diagnostic procedures.

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Enhance **your cell-based research.**

IF Image of Hepatocyte Spheroid Blue: DPI, Green: Albumin, Red: Pan-Cytokeratin

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## CERO. A Significant Gain for Your Research

[zero gravity, zero work load, highest yield]

**Outstanding Cell Quality** Fully functional and validated cells

**Less Workload** Time-saving, automatic procedures, standardized protocols, walk-away operation

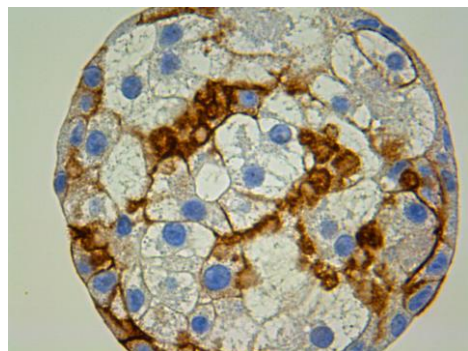
**Highest Yield** More mature cells, more relevant cells for drug discovery



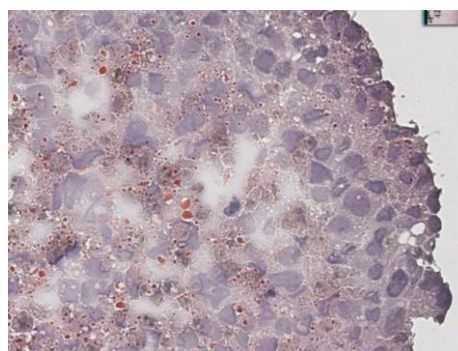
All spheroid images by T Riedl<sup>1</sup>, A Keric<sup>2</sup>, M Heikenwälder<sup>1</sup>

<sup>1</sup>Chronic Inflammation and Cancer (F180), Deutsches Krebsforschungszentrum (DKFZ), Heidelberg, Germany

<sup>2</sup>OLS, OMNI Life Science GmbH & Co. KG  
Healthy long-term cultures (2 – 3 months) of spheroides. CERO optimizes nutrient exchange with the medium and provides high biomass of mature cells.



**Hepatocyte Spheroid**  
CAIX as hypoxia marker, hepatocytes undergoing hypoxia (brown)



**Spheroid cryo-section (4µm)**  
Sudan Red staining. Red: fat deposits generated by hepatocytes.

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