

## 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."*

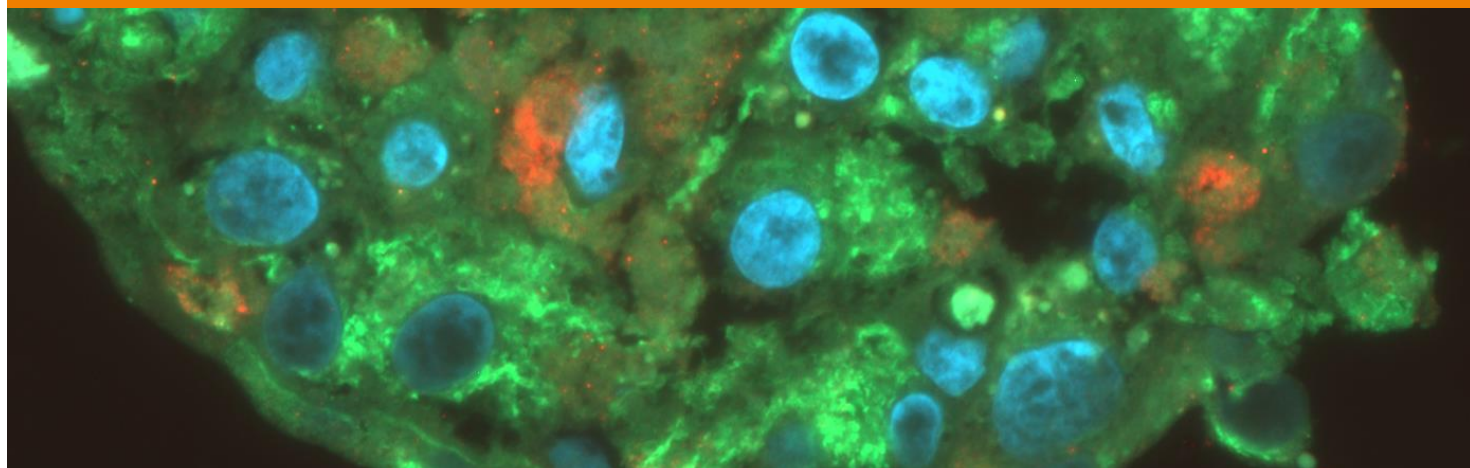


Find out more now. **Get in touch.**

- + 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:  
mail [info@ols-bio.de](mailto:info@ols-bio.de) | [www.ols-bio.de](http://www.ols-bio.de)  
fon 0421 2761 690 | fax 0421 2761 6919  
OLS OMNI Life Science GmbH

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



Enhance **your cell-based research.**

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

+ Spheroids + Organoids + iPS Cells + Primary Cells +

## 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



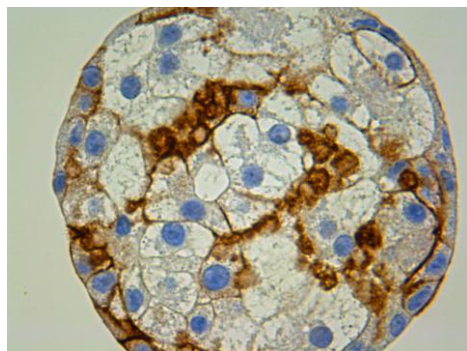
All spheroid images by T Riedl<sup>1</sup>, A Keric<sup>2</sup>, M Heikenwälder<sup>1</sup>

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

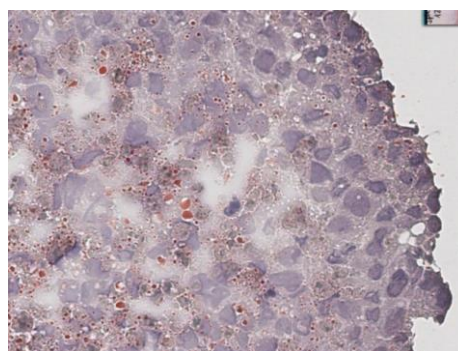
<sup>2</sup>OLS, OMNI Life Science GmbH & Co. KG  
Healthy long-term cultures (2 – 3 months) of spheroides. CERO optimizes nutrient exchange with the medium and provides high biomass of mature cells.

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

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



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



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

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

Get in touch for further information:  
[mail info@ols-bio.de](mailto:info@ols-bio.de) | [www.ols-bio.de](http://www.ols-bio.de)  
fon 0421 2761 690 | fax 0421 2761 6919  
OLS OMNI Life Science GmbH