

Incubator microscope for live cell imaging

zenCELL owl



view your cell culture in real-time

24 mini-microscopes observe your assay inside your incubator

The zenCell owl is real-time incubator microscope system. Inside, 24 mini-microscope enable a new simultaneous observation of your cell culture. Use your own incubator and your standard laboratory computer. Setting up the zenCell owl in less than a minute, just connect the zenCell owl via USB 3.0, install our software and let's go. You do not need additional power support. Leave the cells in their defined conditions and monitor them from outside on your screen. This live cell imaging microscope provides easy, safe and cost-effective determination and monitoring of cell cover and cell number. Start your project and capture the images of your cell culture in your individual frequency. Create a time-lapse video or export a dataset for your scientific paper.

The small footprint, about the size of a standard cell culture plate, leaves you enough space in the incubator for your other cell culture ware or more zenCell owl systems. Be excited to use it with parallel with other experiments at the same time. The housing is completely closed and sterilizable with Isopropanol or common medias for wipe cleaning. Get a better view on your application. For example:

- Documentation and determination of cell growth
- Determine influences on your cell culture by compound addition
- Migration assays
- Stem cell observation
- *And many more*

www.ols-bio.de

Technical data / Equipment

Package content
incubator microscope
USB cable
adapter for 24 well plate



Art.-Nr. 99 04 50

General technical data

Power supply	5 V
Connection	USB 3.0
Field of view	1,2 mm x 0,9 mm
Magnification	600X
Image Resolution	5 MP
Export Formats	Picture: PNG Dataset: CSV
Light Source	LED
Camera	5 MP CMOS
Optical Filters	No Filters
Operating Environment	20°C- 45°C 20% - 95% Humidity
Sterilizable	Isopropanol Ethanol
Software incl.	Cell coverage
Algorithm	Cell number (fibroblasts)
Measuring rate	5 min. – 24 h.
Dimension (H x W x D)	105 mm x 180 mm x 180 mm
Weight	1050 g
Warrenty	1 year

Equipment	Item No.
Adapter for Eppendorf® 6 Well; 24 Well	99 04 51
Adapter for Greiner Bio-One® 6 Well, 24 Well	99 04 52
Adapter for Falcon® 24 Well	99 04 53
Adapter for Kartell® / TPP® 24 Well	99 04 54
Adapter for Corning® 24 Well	99 04 55
Adapter for Fischerbrand® 24 Well	99 04 56
Adapter for Sarstedt® 24 Well	99 04 57