

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.innome.de

Technical data / Equipment

Package content
incubator microscope
USB cable
adapter for 24 well plate



Art.-Nr. 310100

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 | 315101 |
| Adapter for Greiner Bio-One® 6 Well, 24 Well | 315206 |
| Adapter for Falcon® 24 Well | 315302 |
| Adapter for Kartell® / TPP® 24 Well | 315904 |
| Adapter for Corning® 24 Well | 315908 |
| Adapter for Fischerbrand® 24 Well | 315402 |
| Adapter for Sarstedt® 24 Well | 315501 |