

Live-Cell-System - EzScope 101

Description

EzScope 101 helps to streamline your research workflow with improved efficiency and productivity, no more hassles to remove cells from incubator for observation. EzScope 101 brings 24/7 measurements under precisely controlled conditions in a non-perturbing environment. You can observe the images anytime, with walk-away convenience. Up to four samples can be monitoring simultaneously in a same incubator. This feature helps reduce repetitive action, saves time, and optimizes experiment efficiency.

Up to four units of EzScope can be setup in the same incubator and controlled by one computer. This enables the monitoring of samples simultaneously, reduces errors caused by environment variations.



EzScope 101
Part No. 115.1900

The actual image monitoring capabilities depend on the user's computer equipment. For detailed information, see Technical Specifications.



EzScope 101- Software EzCapture

Incubator Live View

Designed to be used inside the incubator, without the need to remove your cells from incubator to enhance culture quality control.

Minimizes Experimental Variations

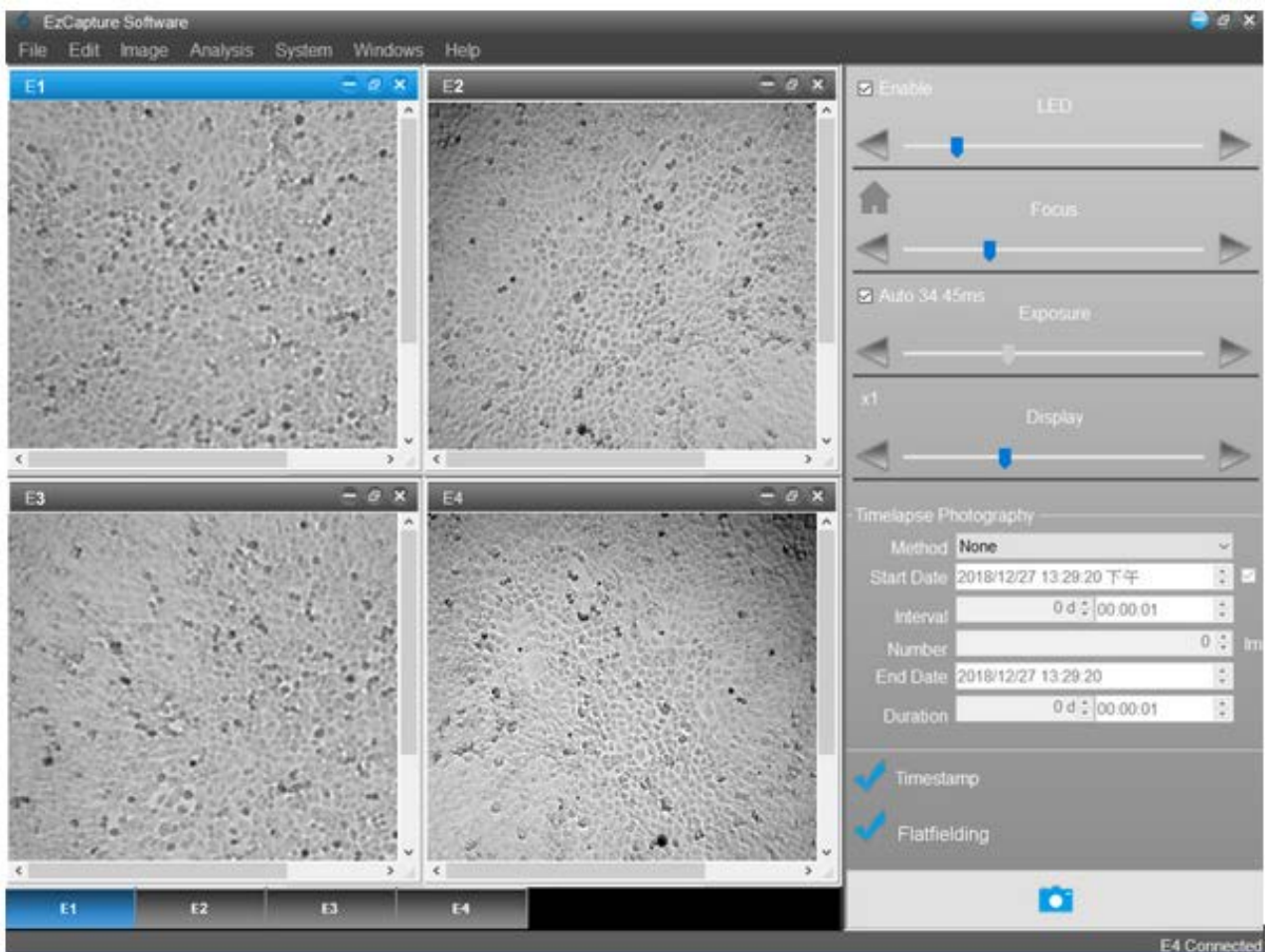
Up to four units of EzScope can to be setup in the same incubator and controlled by one computer. This enables the monitoring of samples simultaneously, reduces errors caused by environment variations.

Exceptional Image Quality

Adopts high contract brightfield optical configuration, coupled with precise motorized focusing, and two interchangeable magnifying objective lenses.

Remote Monitoring of Experiment

Allows flexible remote monitoring the assay via Windows-based remote desktop software.



EzScope 101- Software EzCapture

Easy Image Editor

Captures and edits images easily with EzCapture software:

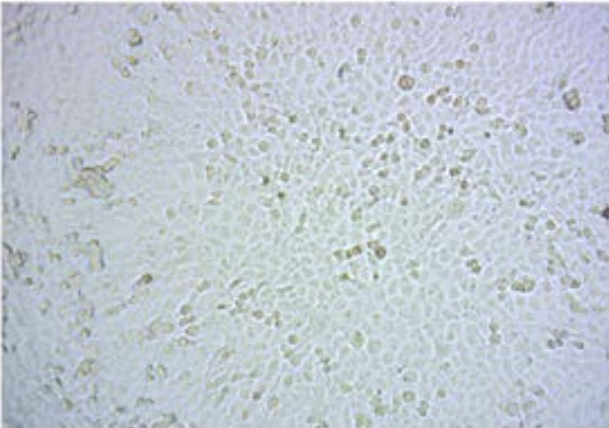
- Live preview for up to 4 units of EzScope
- Flatfielding correction for even brightfield background
- Time-lapse video output
- Spatial calibration
- Measure and convergence analysis

Applications

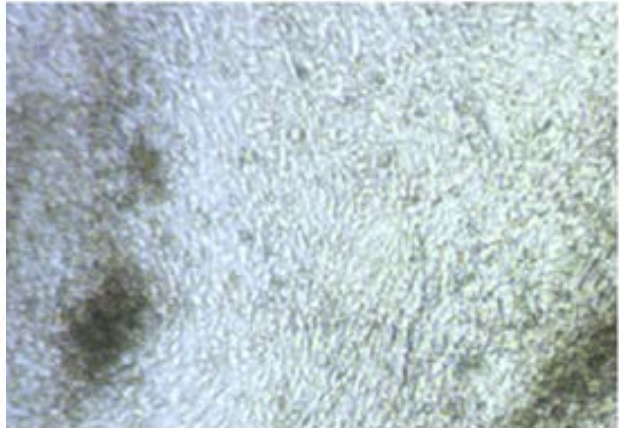
For a variety of cell-related assays, such as:

- Cell growth and confluence
- Cell migration and wound healing
- Stem cell behaviors
- Cell death assays
- Spheroid development and behaviors
- Cultivation of yeast
- Intravital studies

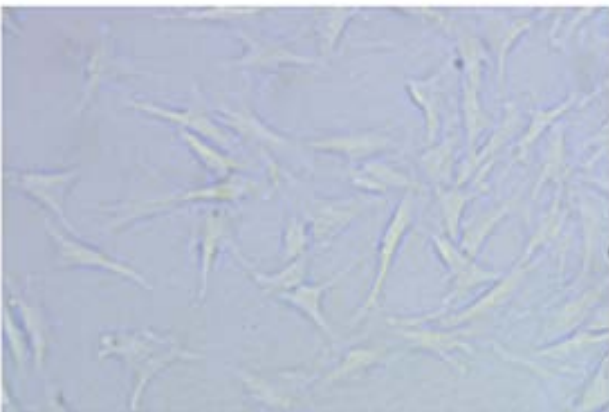
Image Examples Captured with Software EzCapture



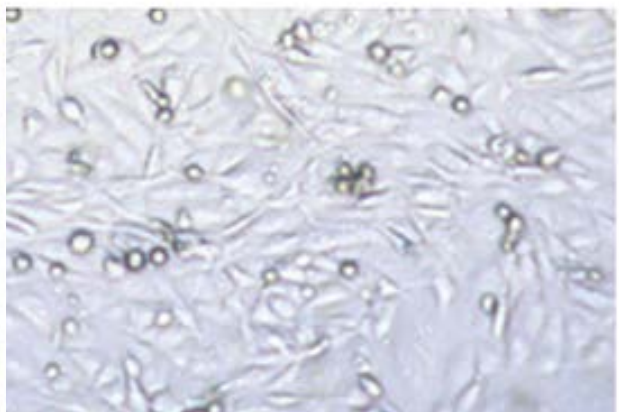
Cancer Cell Line



Cardiac Muscle Cell



Synovial Mesenchymal Stem Cell



MDA-MB-231

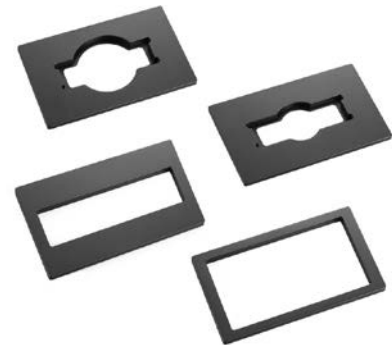
Live-Cell-System - EzScope 101

Specifications

Optics	Brightfield (transmitted) with white LED
Objective Lens	10x, 20x (optional)
Camera	1.3 MP CMOS Sensor
Image Resolution	1280 x 1024 pixels
Export Formats	Tiff (image), AVI (video)
Software	EzCapture with snapshot, time-laps ...
Field of View	2.6 x 2.0 mm (10x objektive)
Resolution	2 µm/pixel (10x objektive) 1µm/pixel (20x objektive)
Live View Frame Rate	Up to 8 frames/second
Focusing	Motorized
Accessories (optional)	
Manual XY stage	SBS footprint
Labware Holders (optional)	35 mm culture dish and slider 60 mm culture dish and slider T-25 culture flask T-75 culture flask
Technical Data	
Computer Requirements	i3 CPU with 4 GB RAM, Windows 10 OS, i5 CPU with 8 GB RAM, Windows 10 OS for multiple units connection
Connectivity	USB 2.0/3.0, up to 4 units
Power Supply	Input: AC 240 V, 50/60 Hz, Output: DC 5 V, 2 A
Dimensions (W x D x H)	225 x 131 x 205 mm
Weight	2.0 kg
Ambient Temperature	0°C - 42°C,
Relative Humidity	5% - 95% non-condensing
Certifications	CE, RoHS



Lenses: left 20x, right 10x



Racks for different vessels



EzScope 101 with stage XY