Compact live-cell imaging system

Incubator-compatible time-lapse imaging with autofocus, z-stacking and brightfield or fluorescence configurations.

Cell imaging



Features

- Incubator imaging with a fixed culture vessel and a moving camera.
- Automated multiple-position time-lapse acquisition, autofocus and z-stacking.
- Brightfield models and models with a green or red fluorescence channel.
- Analysis tools support stitching, confluence and time-lapse review.

Technical specifications

Imaging configurations	Brightfield; brightfield with green or red fluorescence
Objective configurations	2×, 4× or 10× brightfield; 4× or 10× fluorescence
Fluorescence options	Green Ex 470/40 nm, Em 510 nm long-pass; red Ex 525/30 nm, Em 570 nm long-pass
Camera / illumination	5 MP CMOS / LED
Fields of view	2× 2.0 × 1.5 mm; 4× 1.4 × 1.0 mm; 10× 0.7 × 0.5 mm
Motion and focus	Motorised XYZ, multiple positions; manual and autofocus
Culture vessels	Plates up to 96 wells, flasks, dishes and slides; holder-dependent
Exports	TIFF, AVI, CSV; JPEG and PNG
Computer	Windows 10 or later
Dimensions	226 × 358 × 215 mm
Weight	5.6 kg
Operating environment	10-40 °C; 20-95% relative humidity
Power input	100-240 V AC, 50/60 Hz

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Applications

- Monitor cell growth and confluence during culture.
- Compare treated and control cultures in time-lapse experiments.

Configurations and accessories

- Choose objective magnification and brightfield, green or red fluorescence before ordering.
- Select the holder for your plate, flask, dish or microscope slide.
- Include the incubator model, internal dimensions and cable access in your enquiry.

Selection notes

- For research use. Match the objective, vessel holder and fluorescence configuration to your assay when requesting a quotation.

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