Six-plate live-cell imaging system

Time-lapse imaging for up to six culture plates in an incubator, with brightfield and two fluorescence channels.

Cell imaging



Features

- Monitor up to six vessels inside an incubator using multiple-position acquisition.
- Brightfield and two fluorescence channels support parallel culture experiments.
- Change between 4×, 10× and 20× objectives.
- Software combines time-lapse, stitching, z-stacking and confluence analysis.

Technical specifications

Capacity	Up to six vessels; holder-dependent
Objectives	4× / 10× / 20×, interchangeable
Fluorescence filters	Green Ex 470/40 nm, Em 540/50 nm; red Ex 562/40 nm, Em 641/75 nm
Camera	5 MP CMOS
Fields of view	4× 2.0 × 1.5 mm; 10× 0.9 × 0.6 mm; 20× 0.5 × 0.4 mm
Motion / focus	Motorised XYZ camera motion / autofocus
Culture vessels	Plates up to 96 wells, flasks, dishes and slides; holder-dependent
Analysis	Time-lapse, confluence, fluorescent cell counting, stitching, z-stacking
Exports	TIFF, AVI, XLSX
Computer	Windows 10 or later
Recommended incubator	Above 230 L; check internal clearance
Dimensions (W × D × H)	485 × 440 × 313 mm
Weight	14.44 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.
- Run multiple assay conditions or plate-based screening in one imaging system.

Configurations and accessories

- 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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