Multilayer culture monitoring system

Use brightfield time-lapse imaging to monitor the bottom layer of a culture vessel with up to ten layers.

Cell imaging



Features

- Observe cells at the bottom layer while a multilayer vessel remains in the incubator.
- Schedule multiple imaging positions and assemble time-lapse videos.
- Use confluence and growth-curve analysis to support harvest timing.

Technical specifications

Vessels	Multilayer chambers up to ten layers; images acquired from bottom layer
Imaging mode	Brightfield
Objective	2×
Camera	5 MP CMOS, 2592 × 1944 pixels
Stage	Motorised XYZ
Focus	Autofocus and manual
Imaging positions	Multiple
Analysis	Time-lapse, movie creation, confluence and growth curves
Exports	TIFF, AVI
Dimensions (H × W × D)	132 × 330 × 450 mm
Weight	11.6 kg
Operating environment	10-40 °C; 20-95% relative humidity

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Applications

- Track growth during expansion in multilayer culture vessels.
- Inspect culture development without repeatedly moving vessels outside the incubator.

Configurations and accessories

- Specify the exact multilayer vessel and its dimensions for holder selection.
- Alternative holders for multilayer dishes and flasks can be assessed on request.

Selection notes

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

Precisometer | info@precisometer.com

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