

Live Cell Imaging and Analysis From Inside Your Incubator



Meet Cellcyte Gen 2.

Cellcyte Gen 2 is a high-throughput live-cell imaging system designed to make live-cell imaging more affordable and convenient. With up to 4 fluorescent channels and enhanced phase contrast mode, Cellcyte Gen 2 provides maximum insight into live-cell experiments inside your incubator without the risk of disturbing your cells.

To learn more and to build and price your system in minutes, visit: discover-echo.com/cellcytegen2



System Features



Enhanced phase contrast and fluorescence microscopy

High resolution and contrast rich microscopy
3 or 4 fluorescence channels available



High-throughput scanning with open design

6 slots for a variety of cell culture vessels
Open design on top for easier accessibility and maintenance



Assay compatibility

Run cell proliferation, transfection efficiency, apoptosis, cytotoxicity, and more assays

19.5in
495.3mm

12.6in
320.04mm



16in
406.4mm

Ideal for Key Applications



Cytotoxicity



Apoptosis/Necrosis/Efferocytosis



Spheroid growth



Immuno-oncology



Transfection efficiency

+ Confluence | Cell Counting | Reporter Genes | Immune Cluster Formation

Image Acquisition & Analysis

Cellcyte Studio

Automated acquisition and user friendly image and data visualization software

Supports 6 to 384 well plates

Cellcyte Analysis

Integrated real-time image analysis using smart algorithms

Image Analysis Support

- Cell Proliferation
- Cell Count
- Nuclei Count
- Fluorescent Intensity Measurement



Stand

Operating Conditions:

Microscope
10°C-40°C, RH up to 95%

PC
20°C-40°C

Internal Storage:
8TB



Fluorescence Channels

3 Channel System

DAPI
Ex 395/25 Em 450/30

GFP
Ex 483/18 Em 525/25

mCherry
Ex 585/22 Em 625/40

4 Channel System

DAPI
Ex 395/25 Em 450/30

GFP
Ex 483/18 Em 525/25

RFP
Ex 555/20 Em 595/30

CY5
Ex 635/20 Em 695/60



Optics

Automated Turret for 3 objectives

Optical components by
Olympus®

4x, 10x, and 20x available



Enhanced Phase Contrast

Contrast rich transmission imaging
mode



Camera

SMP CMOS Monochrome camera
2448 x 2048 (Pixel Size 3.45µm)



Software

Real-time spheroid analysis

Automated graphing tools

PlateMap capabilities

Real-time image analysis



Export Data

Movie Export:
AVI

Image Format:
Time Lapse: TIFF
Single Image: TIFF, PNG

Data Format:
CSV, XLXS



Fanless Heating

Uses convection to heat and circulate warm air. This eliminates vibration and the formation of hot zones.