

CELLCYTE X

Live-cell imaging system inside your incubator



The CELLCYTE X is a high-throughput live-cell imaging system designed to make live-cell imaging more efficient, affordable and convenient than ever before. With three fluorescence color channels and enhanced contour mode for high contrast transmission imaging, CELLCYTE X provides maximum insight into live-cell experiments inside your incubator without the risk of disturbing the cells.

System Features



Enhanced contour and fluorescence microscopy

High resolution and contrast rich microscopy
3 fluorescence channels available



High-throughput scanning

6 slots for cell culture vessels



Assay compatability

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

Image Acquisition and Analysis

CELLCYTE Studio

Automated acquisition and user-friendly image and data visualization software

Supports up to 384 well plates

CELLCYTE Analysis

Integrated real-time image analysis using smart algorithms

Image analysis supported

- Cell proliferation
- Cell count
- Nuclei count
- Fluorescent Intensity measurement

Technical Specifications



Imaging Modalities	Fluorescence Channels	Blue Ex 370-410 nm Em 429-462 nm
		Green Ex 473-491 nm Em 502-561 nm
		Red Ex 580-598 nm Em 612-680 nm
	Enhanced Contour	Contrast rich transmission imaging mode
Objective	4X	Resolution: 0.862 $\mu\text{m}/\text{pixel}$ Field of View: 2.1 x 1.77 mm
	10X	Resolution: 0.345 $\mu\text{m}/\text{pixel}$ Field of View: 0.8 x 0.7 mm
Camera System	5 megapixel 0.66-inch mono CMOS sensor	2448 X 2048 pixels
Exported Image Format	Time lapse Single image	TIFF TIFF, PNG
Exported Movie Format	AVI	
Exported Data Format	CSV, XLXS	
CELLCYTE Microscope Unit	Dimensions (H x W x D)	340 x 410 x 500 mm
	Operating Conditions	10-40° C, RH up to 95%
CELLCYTE X Controller Unit	Dimensions (H x W x D)	90 x 250 x 250 mm
	Internal Storage	10 TB
	Operating Conditions	Intended for indoor use 20-40° C
Power Input	100-240 VAC, 50-60 Hz, 70 W	
System Recommendations	OS: Microsoft Windows 10 Operating System (64-bit)	Storage: 500 GB SSD (or larger)
	CPU: 2 GHz or faster Intel Core Duo Processor	GPU: Nvidia GPU with 8 GB* of VRAM or more
	RAM: 8 GB or more	*Required for CELLCYTE Analysis.

Contact

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