CURIOSIS

Elliot

Celloger® Pro

Seamless imaging, Limitless insights

Discover the possibilities with Celloger® Pro

IR52 장영실상

GOOD DESIGN KOREA

KOREA WORLD CLASS

Automated live cell imaging system

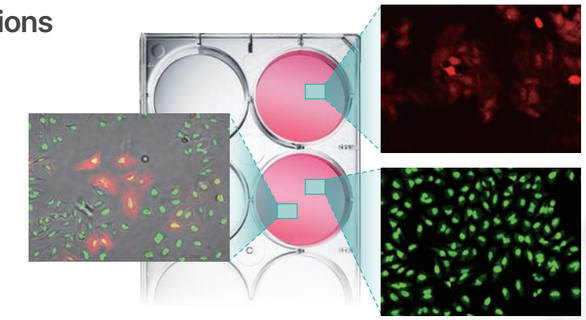
Key features

Real-time cell monitoring inside an incubator

Celloger® Pro is designed to facilitate real-time monitoring of cells inside an incubator. By simply placing the device within the incubator and connecting it to an external PC, researchers are able to **remotely observe cells in real time.**

Capturing images from multiple positions using dual fluorescence microscopy

Celloger® Pro enables imaging of samples at multiple positions by automatically **moving the integrated camera** while keeping the vessel and sample fixed on the stage. This ensures a **stable environment for the cells**, resulting in enhanced image quality and precise research outcomes.

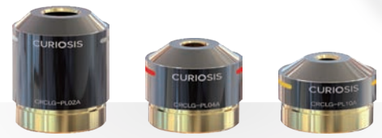


Compatible with different vessel types

The system is compatible with different cell culture vessels such as **well plates, flasks, dishes,** and **slides**, and can switch between them by simply replacing the vessel holders for specific needs.

User-interchangeable objective lens option

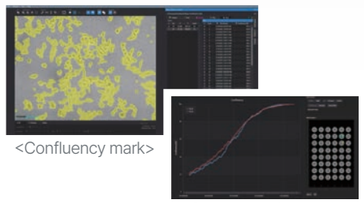
With its user-interchangeable objective lenses, Celloger® Pro **provides flexibility** to researchers based on their specific study requirements. Users can easily switch between options such as **2X, 4X, and 10X objectives** by hand.



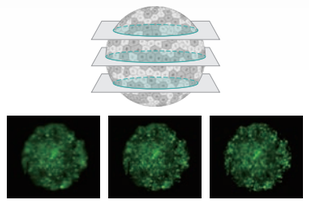
2X 4X 10X

Image analysis methods

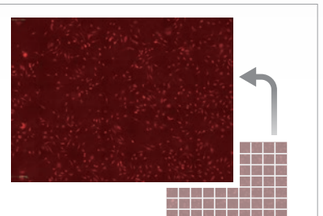
Cell confluency



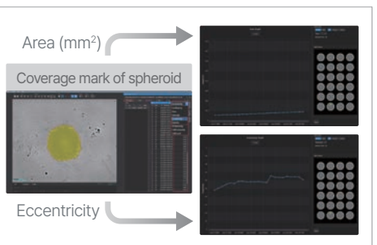
Z-stacking



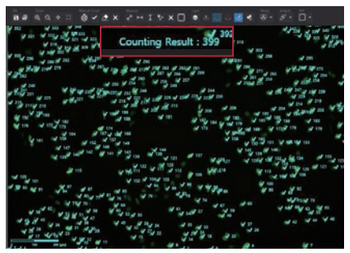
Stitching



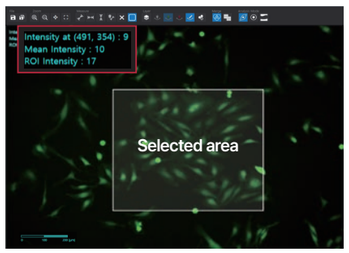
Spheroid/organoid analysis



Automated cell counting (FL)

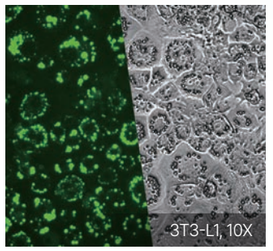


ROI FL intensity

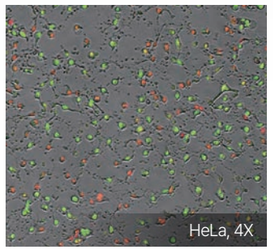


Applications

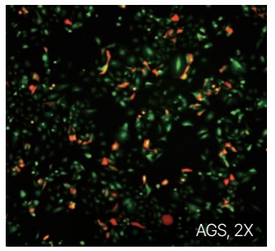
Adipogenesis



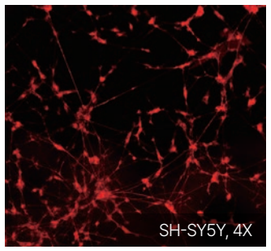
Apoptosis



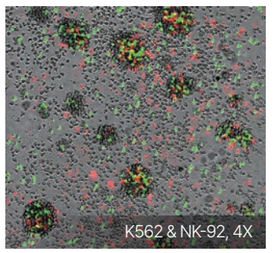
Transfection



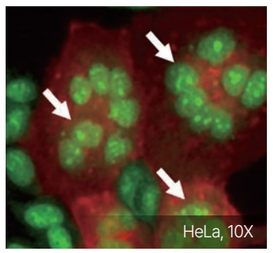
Neurite outgrowth



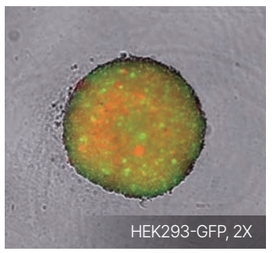
NK cell killing assay



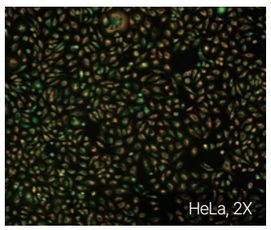
Actin depolymerization



Spheroid cytotoxicity



Mitochondrial membrane potential



Specification

Dimension (H x W x L)	250 × 338 × 412 mm
Weight	9.6 kg
Objective lens	2X, 4X, 10X (User-interchangeable)
Fluorescence	Green (Ex: 470/40, Em: 540/50) Red (Ex: 562/40, Em: 641/75)
Camera	High sensitivity 5MP CMOS
Stage	Motorized XYZ stage
Imaging positions	Multiple
Field of view	2X (2.02 × 1.49 mm), 4X (1.41 × 1.05 mm), 10X (0.70 × 0.52 mm)
Culture vessels	Well plate (up to 96-well), flask, dish, slide
File export format	TIFF, AVI, CSV (JPG, PNG, BMP)
Operating environment	10~40°C, 20~95% humidity
Power requirement	100-240V, ~50/60Hz
O/S required	Windows 10 and above
Incubator specification	Above 200L (recommended)
Software functionalities	Real-time recording, time-lapse video, cell confluency, automated cell counting (FL), Z-stacking/projection, stitching, deconvolution, spheroid/organoid analysis, dual screen analysis

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List of Awards (Celloger® Series)

reddot winner 2022

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