KOREA
WORLD CLASS
세계일류상품

R&D 100
2023
WINNER

Celloger® Pro

Automated live cell imaging system

CURIOSIS

Seamless imaging, Limitless insights
Discover the possibilities with Celloger® Pro

» Real-time cell monitoring inside an incubator
» Dual fluorescence microscopy for enhanced imaging
» Multi-point time-lapse imaging capability

» User-interchangeable objective lens option
» Intuitive interface and user-friendly tools

# Multicolor fluorescence and bright–field imaging
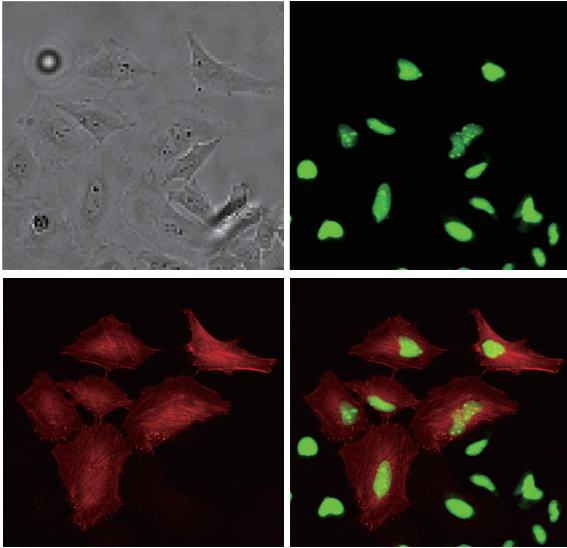
With its dualcolor fluorescence and bright–field imaging capabilities, Celloger® Pro enables the capture of **high–quality and high–resolution images**.

With enhanced scanning methods and innovative merging techniques, the system **reduces scanning time**, enabling researchers to analyze cellular dynamics with exceptional clarity and efficiency.

# Real–time monitoring inside 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.**

With the time–lapse function, cell images are captured according to the schedule set by the researcher; the images can then be **easily converted into time–lapse videos.**
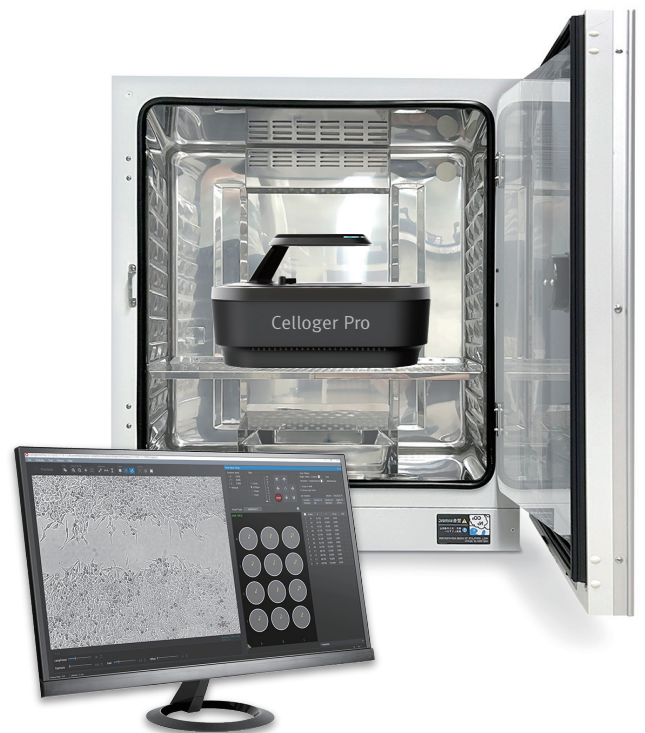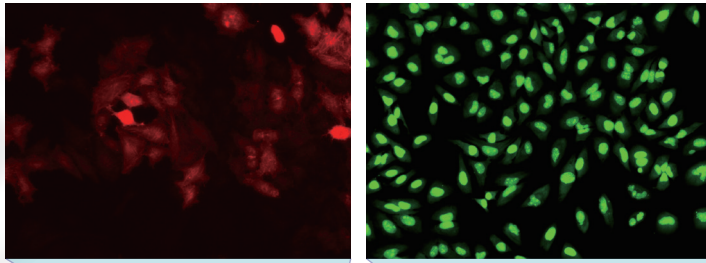

User–interchangeable objective lens

Celloger® Pro offers user–interchangeable objective lenses, **providing flexibility** to researchers based on their specific study requirements. With options such as **2X, 4X, 10X objectives**, users can switch between these lenses by hand.
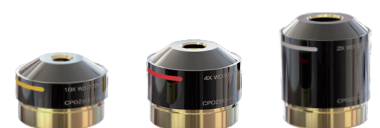
Capturing images from multiple positions

Celloger® Pro enables imaging of samples in 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**.
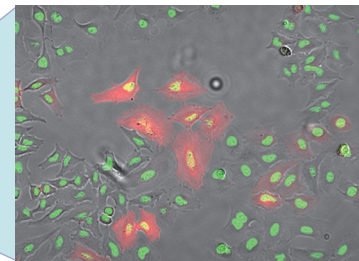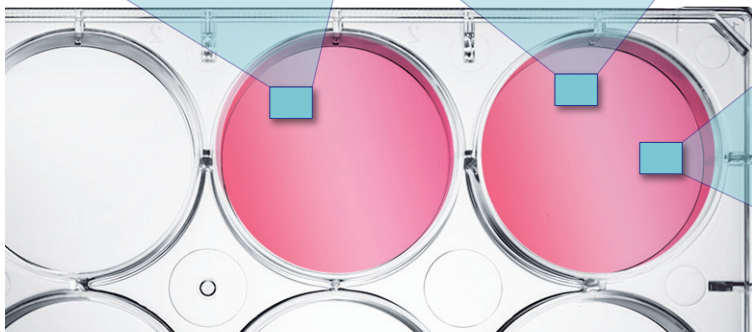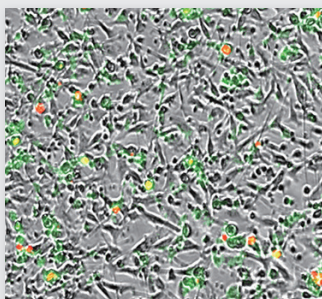

Compatible with different vessel types

The system is compatible with different cell culture vessels such as **well plates** (up to 96 wells), **flasks**, **dishes**, and **slides**, and can switch between them by simply replacing the vessel holders for specific needs.
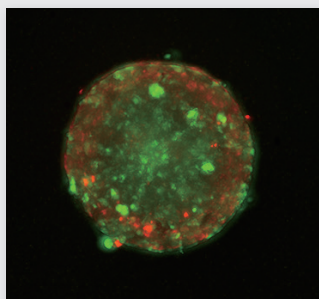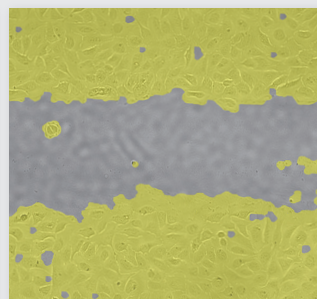

Applications

Cytotoxicity
Monitor and measure the toxic effects of substances on cells, aiding various applications such as drug development and screening
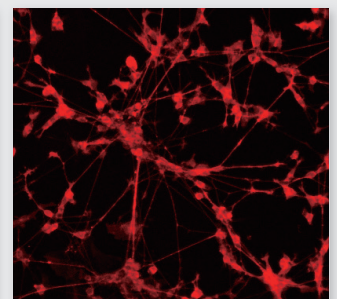

Spheroid assay
Study spheroid formation and growth in real–time to track cell behavior and drug responses

Scratch wound assay
Assess the impact of treatments on key cellular processes such as migration, proliferation, and wound healing
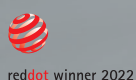

Neurite outgrowth
Study the mechanisms and factors involved in neuronal development, connectivity, and regeneration

CURIOSIS

Specification

Imaging modes	Brightfield, Dual fluorescence (Green & Red)
Objective lens	2X, 4X, 10X (User–interchangeable)
Fluorescence	Green (EX : 470/40, EM : 540/50) Red (EX: 562/40, EM: 641/75)
Stage	Fully motorized XYZ (Fixed stage, camera moving type)
Camera	High sensitivity 5.0 MP CMOS
Imaging positions	Multiple
Field of view	2X (2.02 x 1.49 mm), 4X (1.41 x 1.05 mm), 10X (0.70 x 0.52 mm)
Focus	Autofocus, Manual focus
Imaging methods	Single/multicolor, stitching, Z–stacking, time–lapse, real–time recording
Included software	Scan App, Analysis App
Dimensions (H x W x L)	250 x 338 x 412 mm
Weight	9.6 kg
Culture vessels	Well plate up to 96–well, flask, dish, slide
File export format	TIFF, AVI (JPEG, PNG)
Operating environment	10~40℃, 20~95% humidity
Power requirement	100–240V, ~50/60Hz
O/S required	Windows 10 and above
Incubator specification	Above 200L (recommended)

List of Awards (Celloger Series)

R&D 100 2023 WINNER | iF GOLD AWARD 2022 | iF DESIGN AWARD 2022 | reddot winner 2022 | GOOD DESIGN AWARD 2022 | GOOD DESIGN AWARD 2021 | GOOD DESIGN KOREA | KOREA WORLD CLASS

CRB011–2306Rev01