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Челябинск (351)202-03-61
Череповец (8202)49-02-64
Чита (3022)38-34-83
Якутск (4112)23-90-97
Ярославль (4852)69-52-93

Россия +7(495)268-04-70

Казахстан +7(7172)727-132

Киргизия +996(312)96-26-47

<https://cytosmart.nt-rt.ru/> || cao@nt-rt.ru

Omni Pro 12, Omni BR, Omni FL



The Omni Pro 12 is an automated, high-throughput live-cell analysis platform designed for continuous multiwell imaging inside the incubator. Enhance your throughput and workflow through the unparalleled ease-of-use, flexibility, and multiplate capacity of the Omni Pro 12. The multifaceted device can shed light on cell viability, morphology, and function via brightfield and fluorescence live-cell imaging, combined with reliable and powerful data analysis.

Key Features

- >> **Support multiple users and applications** – The Omni Pro 12 accommodates up to 12 microwell plates at a time and supports an array of applications and analyses.
- >> **Assay your cells in brightfield and fluorescence** - From label-free cell monitoring to fluorescence-based assays, multiple imaging modes allow the device to visualize complex biological changes.
- >> **Track every moment, from your incubator** - The Omni Pro 12 fits inside an incubator, automatically capturing images of your cells as they grow in their optimal environment.
- >> **Place your plate and walk away** - The automated robotic arm works around the clock by placing microplates on the stationary sample stage. The software also allows you to monitor your cells and perform data analysis from your desktop.
- >> **Get started quickly** – A short training will get you up and running with the Omni Pro 12. The platform is easy to use and requires no maintenance or calibration.

Overview

The Omni Pro 12 platform is designed to simplify and accelerate the acquisition of complex biological data. Using brightfield and fluorescence imaging combined with advanced software tools, the Omni Pro 12 can help you to examine cell health and function non-invasively and in real time.



<i>Features</i>	<i>Omni BR</i>	<i>Omni Pro 12</i>	<i>Omni FL</i>
Whole-well brightfield	✓	✓	✓
Automated acquisition	✓	✓	✓
Incubator compatible	✓	✓	✓
Fluorescence (Red)		✓	✓
Fluorescence (Green)		✓	✓
Number of plates	1	12	1
Plate handling	Manual	Automated	Manual

Software Modules

The Omni Pro 12 has five available software modules to match your assay needs:



Cell Confluence – Available in brightfield or fluorescence. Know exactly when to passage your cells or track cell growth and death in your experiments.



Wound healing/Scratch Assay – Investigate the progression of wound closure over time.



Clonogenic Assay - Monitor and quantify cell proliferation and colony formation to study the effects of cytotoxic and immunotherapeutic agents.



Fluorescent Object Count - Quantify fluorescent objects over time and between wells when running fluorescence-based assays.



Organoid Analysis - Identify, track, and analyze organoids across an array of culture vessels using an advanced machine-learning algorithm.

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