



CytoSMART® Omni FL

High-throughput fluorescence live-cell imaging

The CytoSMART® Omni FL is a high-throughput automated scanner that is designed to perform full-well brightfield, and fluorescence live-cell imaging. The red and green fluorescent channels enable analysis of cytotoxicity, co-cultures and transfection experiments. The flexibility in use of fluorescent channels, integrated image analysis and data accessibility in the Cloud make sure that the CytoSMART® Omni FL adapts to your research needs.

High-throughput, detailed analysis of cellular processes

Fluorescently labeled cells or cell components enable researchers to perform in-depth investigation of cellular processes such as viability, differentiation and apoptosis. When combined with live-cell imaging, this can provide even more extensive insight into the kinetics of these cellular processes. The Omni FL can provide detailed, high-throughput, analyses of not only fluorescently labelled cells, but also non-labelled cells in the brightfield channel in a large variety of culture vessel types.

Features

- **Innovative Cloud-based storage and image analysis**
 - Monitor and analyze your experiments in real-time, anywhere, anytime. Automatically keep your analyses up-to-date.
- **Incubator-friendly** - Perform fluorescence and/or brightfield analyses without disturbing your cells, occupying no more than one incubator shelf.
- **Plug-and-play** - A short training will get you up-and-running. The intuitive Omni FL is easy to install and low-maintenance, ensuring optimal use of its capabilities.
- **Automation-ready** - The open design of the Omni FL allows easy incorporation into established workflows, such as automated lab setups or custom culture systems.

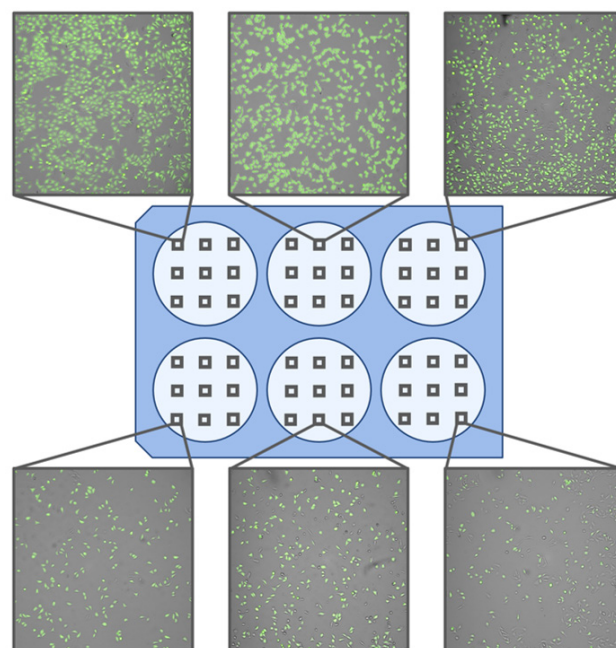


Fig. 1 Viability experiment in 6-well plate. The CytoSMART® Omni FL can perform high-throughput fluorescence live-cell imaging, to monitor all wells in a plate.

Example applications

- Cell viability (Fig. 1)
- Cytotoxicity
- Apoptosis
- Quality control
- Co-culture
- Transfection efficiency
- Spheroid development
- Immune cell killing
- And more



[View products overview here](#)

**Research use only. Not intended for diagnostic purposes.*