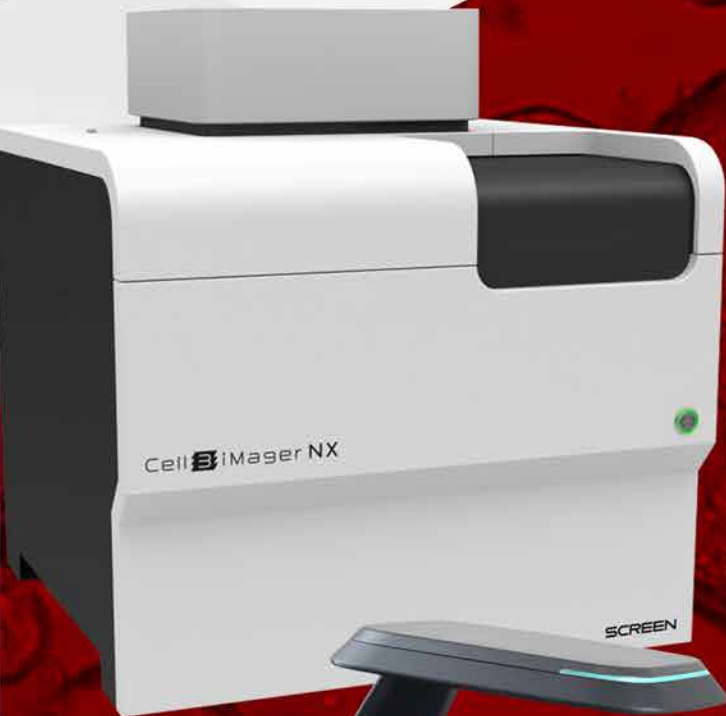




IZIBIO



CELL
CULTURE
3D

IMAGING & ANALYSIS
TIMELAPSE
ORGANOIDS SPHEROIDS

IZIBIO is established on the european territory to support you in cell culture and sample storage.
We are at your side every day to offer you innovative and laboratory tailored solutions.

LIVE CELL IMAGING

Our Live Cell Imaging device is a real-time quantitative cell imaging system based on bright-field & fluorescence microscopy.

Serial capture allows researchers to observe morphology and cell dynamics in real time over long periods of time within the incubator. Image analysis is then automated by the software.

It allows photo, video and curve extraction.



CELL 3 IMAGER NX

Cell3imager NX is an imaging system that captures and analyzes high-speed images of cultured cells in 2D and 3D.

It offers a unique optical system and image processing. Multiple images are captured while varying the focus in the Z direction and combined into a single image.

The DeepLearning tool enables to analyze each image in depth and to quantify the parameters of organoids cultured in an extracellular matrix dome (matrigel for example).

In addition to improving the efficiency of research and analysis in a wide range of fields, we offer optimal solutions for high-throughput screening, with the automation of peripheral equipment (up to 100 plates).

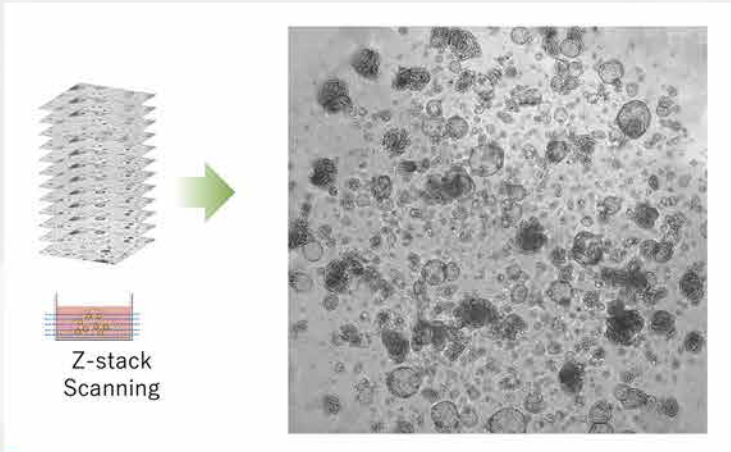
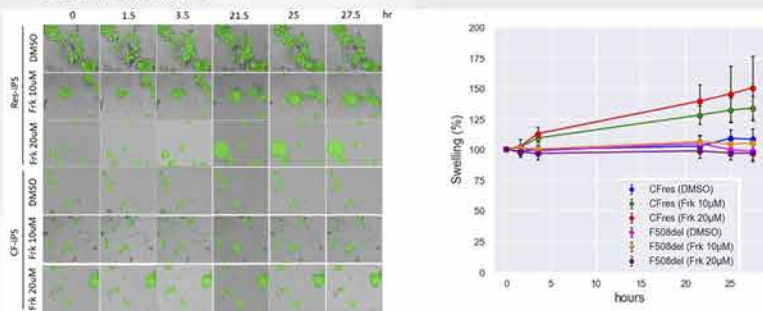
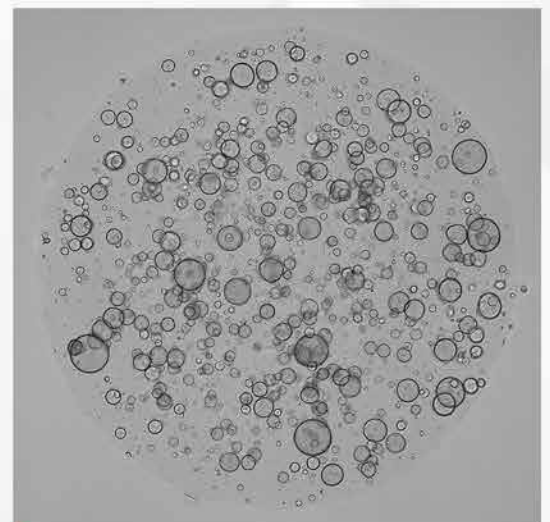


Image acquisition with Z stacking and reconstruction in a single image
Cell 3 IMAGER NX



Tracking the number and size of organoids over time
Cell 3 IMAGER NX



Organoids in extracellular matrix dome
Cell 3 IMAGER NX

SPECIFICATION :

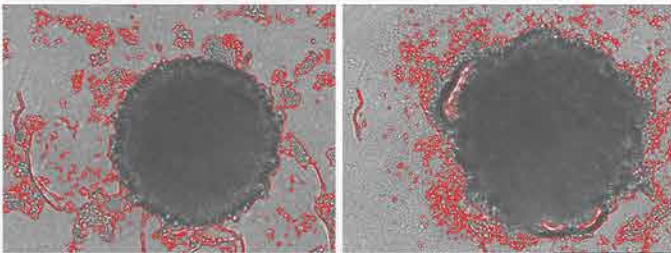
- Inside CO2 incubator or independent incubation chamber
- All Cell Culture Vessel type
- Images and Videos in real time
- Plate reading speed: 60s for 96 wells (Cell3NX)
- 5 Fluorescences
- 5 Lens : 2X, 4X, 10X, 20X, et 40X

CAPTURE PARAMETERS :

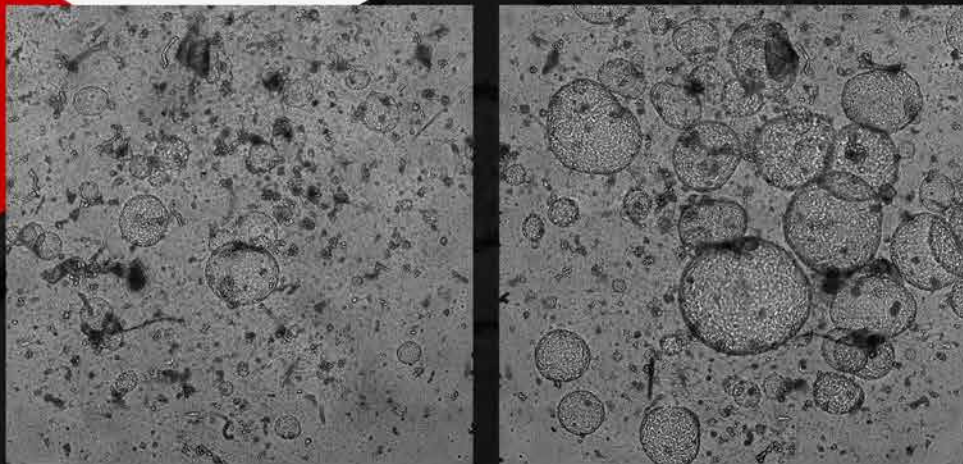
- Automatic or manually configurable positions x; y; x
- Stitching
- Autofocus and Focus manual
- Z-stacking

REAL TIME ANALYSIS :

- Diametre and siez measurement
- Organoids counter
- Proliferation rate measurement
- Tumor invasion measurement
- Fluorescence measurement
- Discover other parameters during a demonstration!

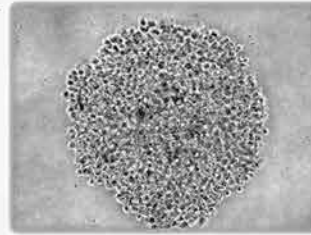


Monitoring of the size and proliferation of Spheroids
Timelapse Device

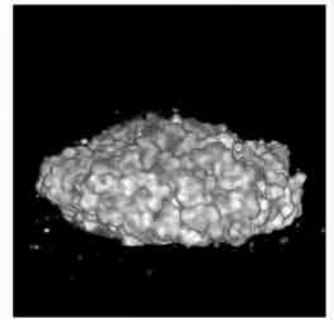


Monitoring Organoids formation in extracellular matrix dome - Timelapse Device

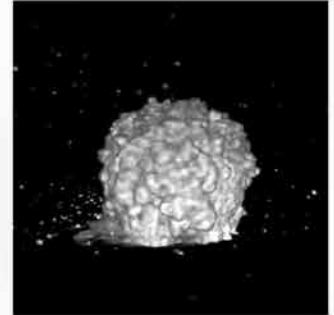
Drug: Chetomin



3D view



Control



(3D image of Spheroids (CELL3IMAGER ESTIER



Co Culture Spheroids - Timelapse Device

IMAGING
& ANALYSIS
TIMELAPSE



“ **EMPOWER YOUR
CELL CULTURE** ”

izibio

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**CONTACT US FOR A DEMONSTRATION
IN YOUR LABORATORY**