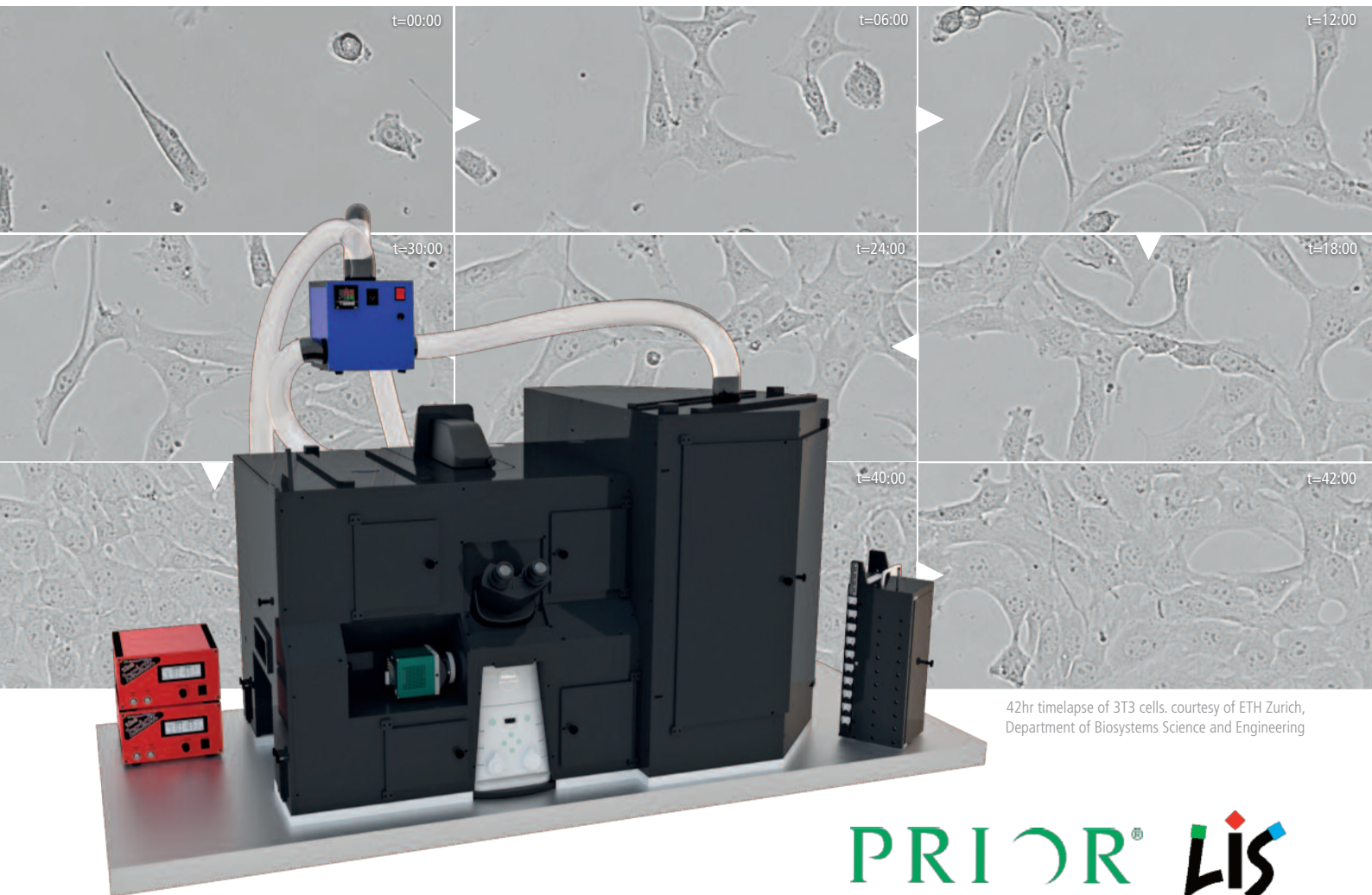




Bring high content screening to life



42hr timelapse of 3T3 cells, courtesy of ETH Zurich, Department of Biosystems Science and Engineering

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Scientific

LIS
LIFE IMAGING SERVICES

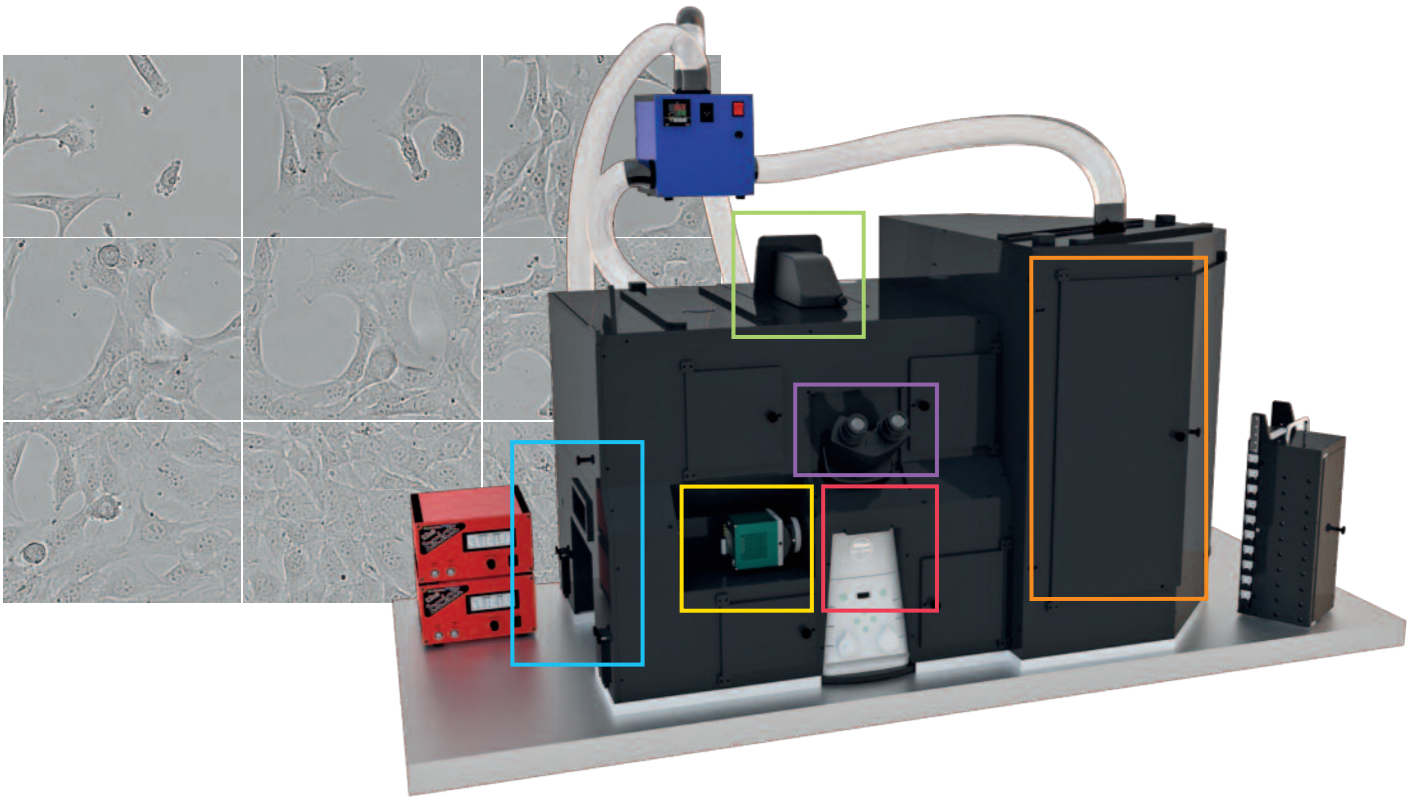
Gain flexibility in your live cell screening

LIPSI

bringing high content screening to life

Developed in collaboration with Prior Scientific and Life Imaging Services

- Fast and stable system based on the Eclipse Ti2
- Includes analyses tools to give results in real time
- Fully incubated system for multiple well plates (on hotels/stackers and during acquisition)
- Can be upgraded with different modalities (confocal, FRAP, spinning-disk, two cameras) now or later
- Easy to use
- Small footprint



Acquire a 96 well plate in less than 1min30s (4 colors, one point per well, 18.8mm field of view camera)

Scan your wells faster with large field of view cameras (up to 25mm)

Use up to two cameras simultaneously for fast multi-color imaging to increase throughput

Upgrade your system to confocal/spinning-disk at any time (Nikon A1R, Crest X-Light, Yokogawa X1 & W1)

Combine fluorescence imaging with brightfield or phase contrast or DIC

Large choice of cameras depending on your needs (EMCCD, CMOS, color cameras)

Upgrade your system to the newest camera available

Up to 20 well plates

Fully incubated (while imaging and while being incubated)
No transfer shock during transfer as this is done in a temperature controlled environment

Compatible with glass bottom plates & plastic bottom plates, slides and petri dishes

Opaque system which can in an ambient light room

Compact system (1200 x 710 x 730mm)

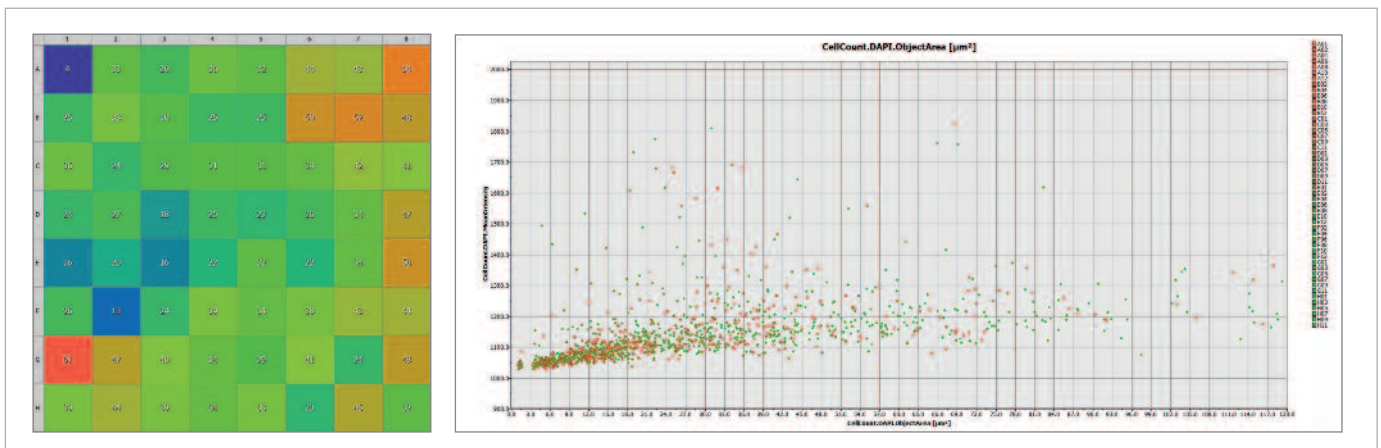
Temperature: Ambient+5°C to 50°C

CO₂: 1-15%

Humidity: Ambient - 99% RH

Renowned Nikon Perfect Focus System to compensate drift over time or to focus automatically on the well plate/dish/slide

Many objectives compatible for glass bottom plates and plastic bottom plates



Well plate heatmap of cell counts (L) and scatterplot of nuclei analysis representing average signal intensity vs. size (R)