

Organoids / Spheroids

분석

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HCS 장비로 가능한 Imaging applications

- Angiogenesis
- Apoptosis
- Autophagy
- Budding yeast screening
- Cell counting
- Cell cycle
- Cell migration and invasion
- Cell signaling
- Cell viability
- Co-culture assays
- Comet assay
- Colocalization
- Embryonic/induced pluripotent stem cells, cell differentiation
- Fatty acid uptake
- FMAT homogeneous assay
- Matrigel cell culture assays
- Membrane analysis
- Micronuclei and genotoxicity analysis
- Mitochondrial localization
- Mitosis
- Monopolar spindle detection
- Neurite outgrowth/process extension
- Organoids
- Pathway analysis and multiplexing
- Protein expression
- Protein movement
- Protein phosphorylation
- Kinase activation
- Quantifying cellular punctate staining
- Ratiometric intracellular [Ca²⁺] measurements
- Receptor internalization
- Spheroids and colonies
- Stem cells
- Thick tissue slices
- Transfection efficiencies
- Wound healing
- Zebrafish assays

Organoid 연구 / Spheroid 연구를 위한 HCS 장비는 무엇일까요?

언제든 문의주세요 **Click**

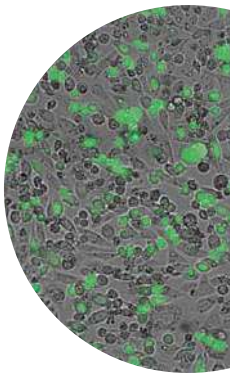


ImageXpress Pico

Compact system that allows users to go from samples to results in minutes

- Ideal for cell counting, transfection efficiency, and cell health assays
- 25+ preconfigured application protocols
- 3D z-stack acquisition
- On-the-fly analysis
- Tablet and touchscreen compatible
- Access data from a browser—anytime, anywhere
- Optional Digital Confocal on-the-fly 2D deconvolution*

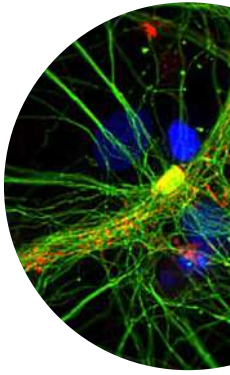
*ImageXpress Pico Digital Confocal uses AutoQuant 2D Real-Time Deconvolution



ImageXpress Nano

Fluorescence imaging, widefield platform for common biological assays

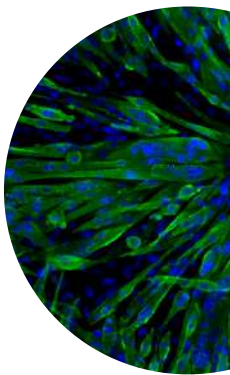
- Ideal for phagocytosis, mitotoxicity, autophagy, and cell differentiation
- CMOS 12 bit
- 25 nm stage resolution
- 3D z-stack acquisition
- High speed image acquisition
- Real time kinetic environmental control



ImageXpress Micro 4

Configurable, high-throughput widefield imaging for fast biological processes

- Ideal for high-throughput screening, time-lapse imaging from calcium assays to multi-day subcellular assays, and intracellular yeast assays
- Greater than 3 log dynamic range
- 25 nm stage resolution
- 3D volumetric analysis
- Upgradeable to confocal imaging
- Real-time kinetic environmental control



ImageXpress Confocal

Combines speed, sensitivity, and resolution for confocal imaging

- Ideal for 3D organoid and spheroid imaging
- Our most sensitive high-content imager
- Confocal imaging at the speed of widefield imaging
- Greater than 3 log dynamic range
- 25 nm stage resolution
- 3D volumetric analysis
- Laser excitation available
- Water immersion objectives and laser excitation available

