

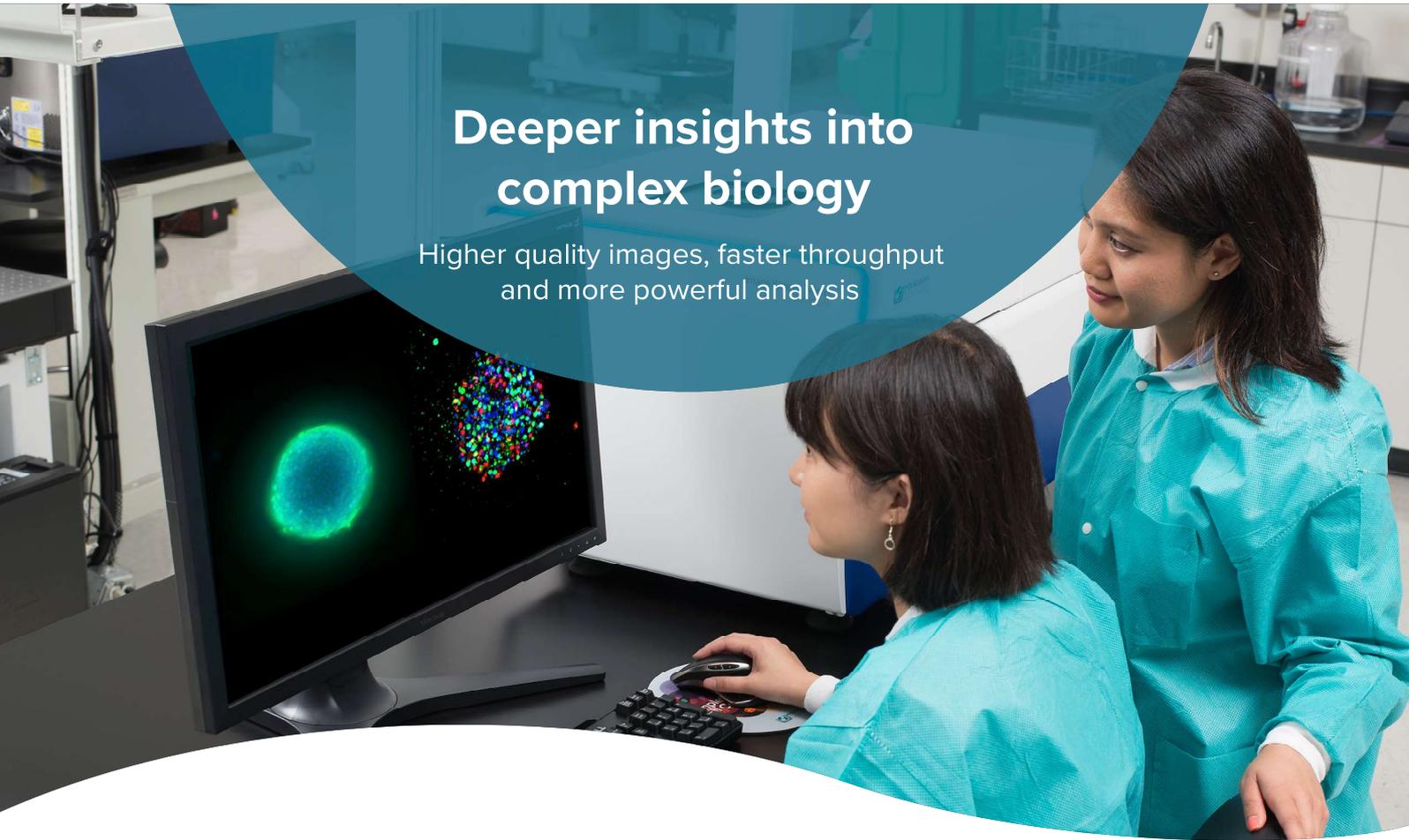
ImageXpress Micro Confocal

High-Content Imaging System

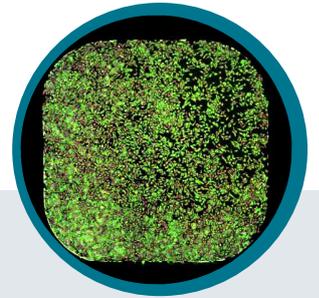
The confocal solution for your complex biology

Deeper insights into complex biology

Higher quality images, faster throughput and more powerful analysis



The ImageXpress® Micro Confocal High-Content Imaging System provides improved quantification for live or fixed cell assays. This versatile imaging system features a unique confocal technology which allows you to explore more physiologically relevant, complex three dimensional models including spheroids, tissues, and whole organisms and to generate publication quality images at high throughput for samples in slides or one to 1536-well microplates.



Key capabilities

- Select a confocal geometry optimal for your assay and throughput needs
- Achieve excellent image quality without sacrificing throughput via our unique optical path technology
- Acquire statistically relevant data quickly with an advanced scientific CMOS detector, enabling >3 log dynamic range
- Large field of view enables whole-well imaging
- Expand your research capabilities with water immersion objectives, transmitted light, phase contrast optics, on-board liquid handling, and environmental control options

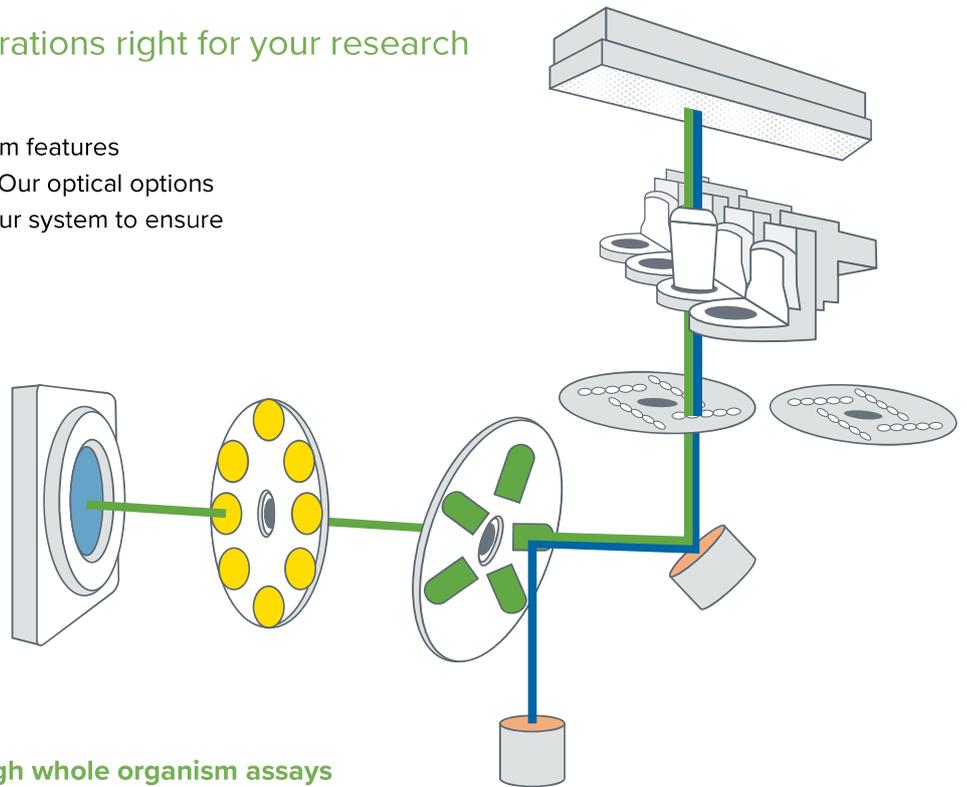
Confocal technology at the speed of widefield imaging

- Capture an entire well of a 384-well plate with a single image at 4X magnification
- Capture four wells of a 1536-well plate in a single image at 4X magnification
- Throughput of >160K wells/day confocal, >200K wells/day widefield

AgileOptix technology at the heart of the ImageXpress Micro Confocal system

Software-selectable configurations right for your research

The ImageXpress Micro Confocal system features AgileOptix™ Spinning Disk Technology. Our optical options make it easy to select and configure your system to ensure the best read for your assay.

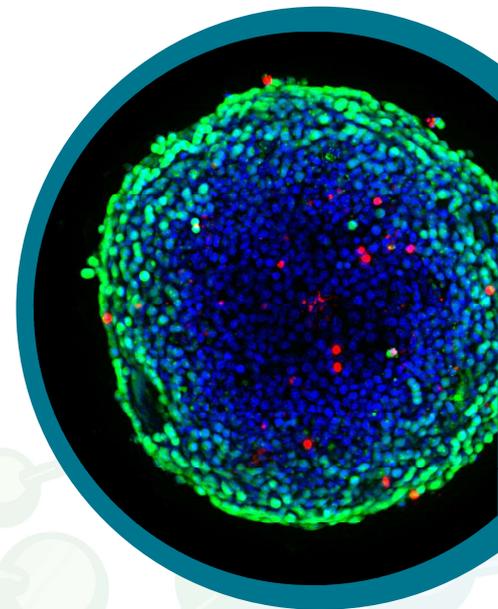


Supports subcellular assays through whole organism assays

- Widest selection (> 25) of objectives
- Oil objectives with up to 1.4 NA (1X to 100X magnification)
- Air objectives with 0.05 to 0.95 NA (1X to 100X magnification)
- Water objectives with up to 1.2 NA (20X, 40X, and 60X magnification)

Select a spinning disk confocal geometry matched to your assay requirements.

Spinning disk geometry	60 µm pinhole (single disk)	60 µm dual disk with 50 µm slit	60 µm dual disk with 42 µm pinhole
High-sensitivity detection	•	•	•
Fast acquisition	•	•	•
>3 log dynamic range*	•	•	•
Widefield mode for flat biology	•	•	•
Most confocal applications	•	•	•
Highest resolution imaging			•
High throughput applications		•	



*Powered by our highly responsive sCMOS sensor and advanced solid state light source.