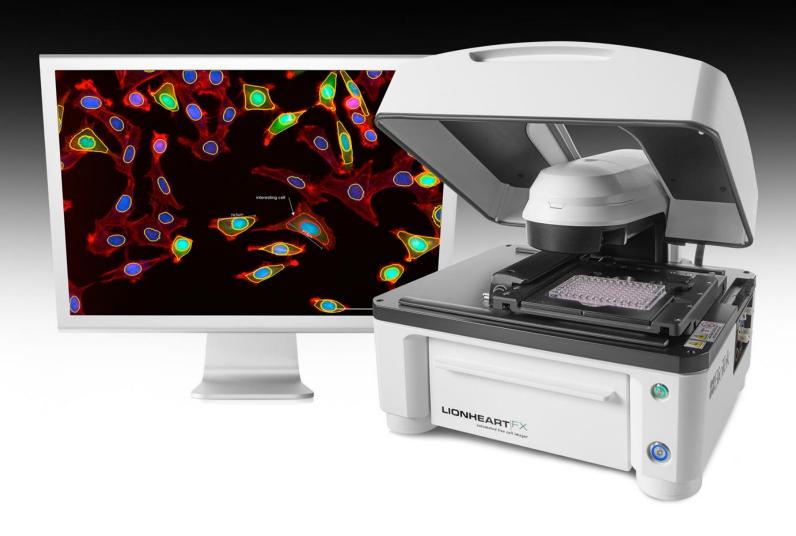
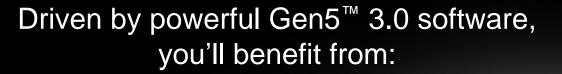


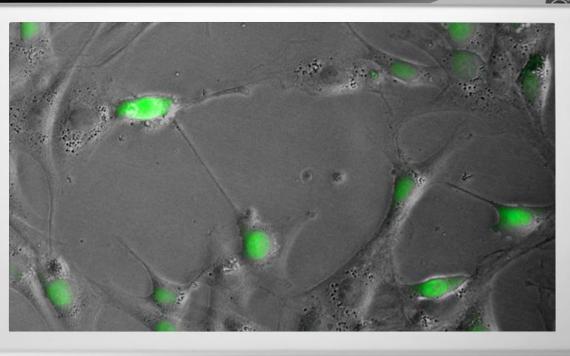
### Brilliant Images are Only the Beginning



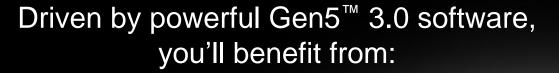




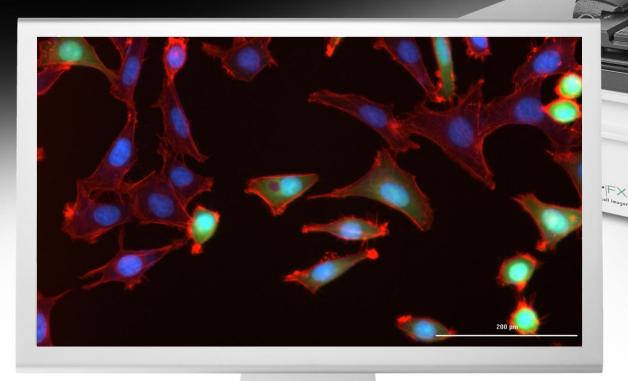
automated image capture





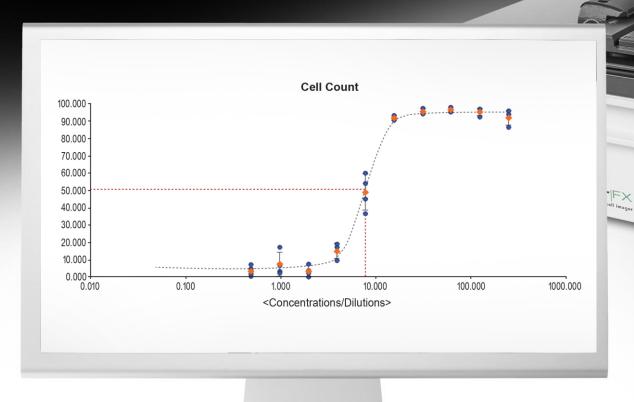


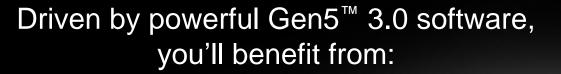
automated image analysis



Driven by powerful Gen5<sup>™</sup> 3.0 software, you'll benefit from:

automated data analysis





automated movie making



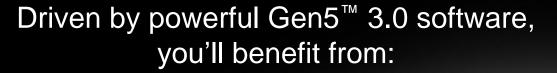
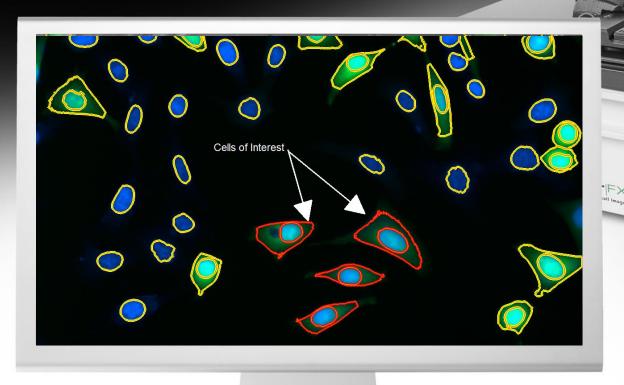


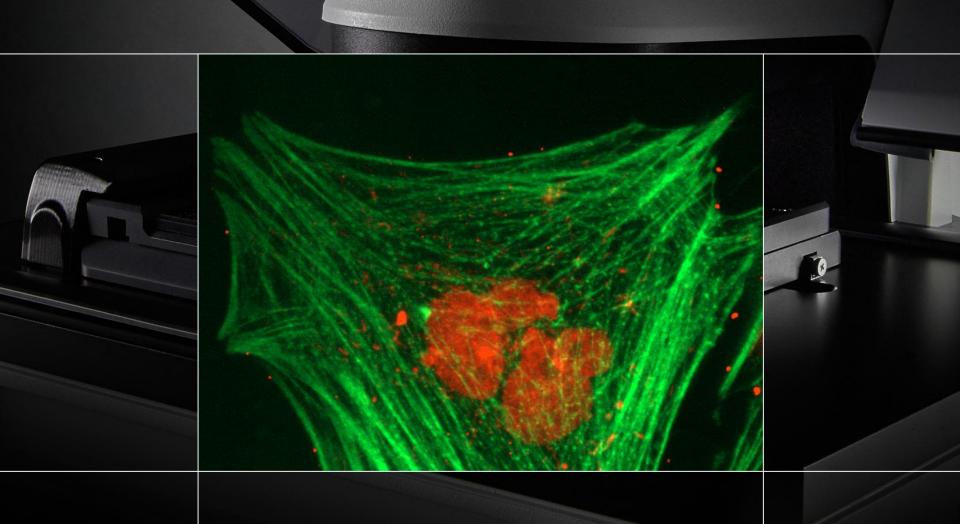
image annotation tools







Magnification from 1.25x to 100x oil immersion, for applications from whole organism studies (zebra fish, C. elegans) to detailed intracellular imaging





# Fully integrated and compact design offers quick installation and setup



#### COMPATIBLE WITH:

► 6- to 1536-well microplates

Microscope slides

Petri and cell culture dishes

Cell culture flasks (T25, T75)

Counting chambers

Chamber slides

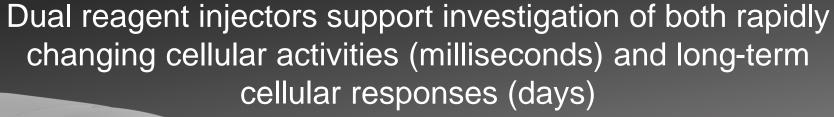


### Live Cell Imaging: short and long term measurements

- Live cell imaging over seconds, minutes, hours or days
- The environmental control cover contains the required temperature and gas circulation









## Advanced Image Analysis Tools: Gen5 3.0

### Imaging methods and processes features include:

LIONHEARTIFX

Automated cell counting and analysis with image statistics.

Time-lapse movie making with automated image alignment

Montage capture, image stitching

Z-stacking and z-projection

High speed imaging, image binning for fast kinetics

## Advanced Image Analysis Tools: Gen5 3.0

### Gen5 Image Prime advanced analysis tools include:

- Secondary mask for analyzing cytoplasm or whole cell
- Nuclear mask expansion and dilation
- Custom object-level measurements for translocation analysis and subpopulation analysis





#### APPLICATIONS

- Kinetic live cell assays (normal & fast)
- Translocation
- Wound migration
- ► Cell migration and invasion
- Cell culture QC
- Cell proliferation
- Apoptosis
- 3D cell imaging
- Tumor invasion

- Signal transduction
- Phenotypic assays
- Calcium flux
- Translocation

- Cytotoxicity
- Cell viability
- Stem cell differentiation
- Phagocytosis



