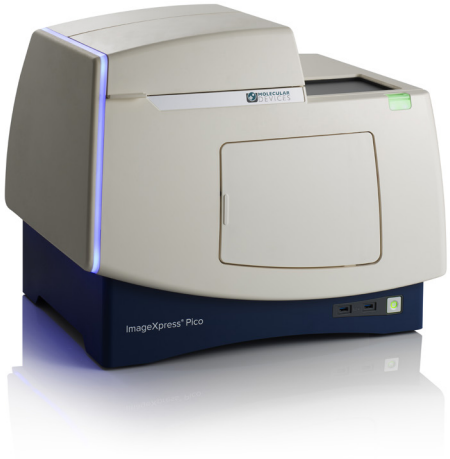
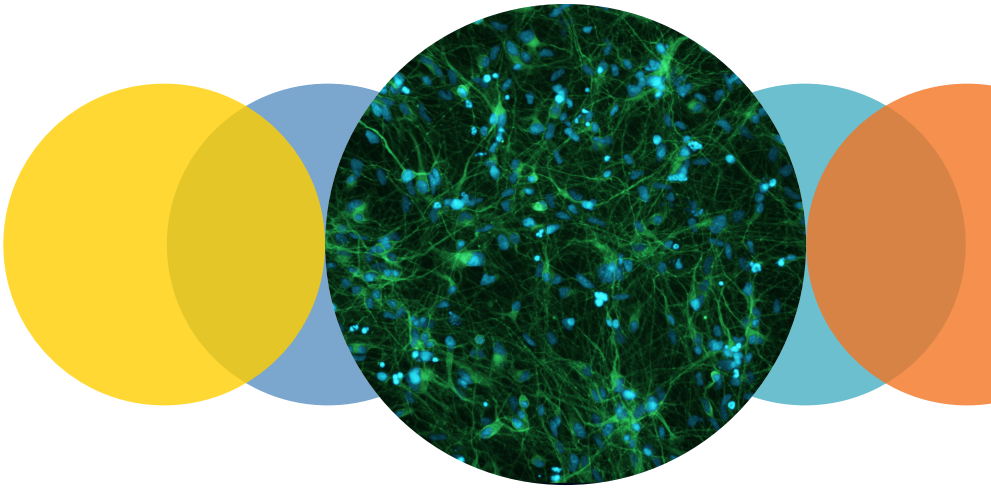




ImageXpress Pico Automated Cell Imaging System

Compact system with intelligent image acquisition and analysis

KEY FEATURES

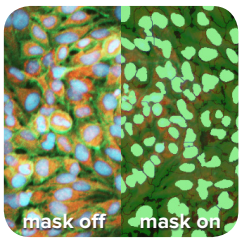
- Minimize experiment set-up time using optimized, preset acquisition and analysis modules for fast and accurate assay results
- Easily generate heatmaps, scatter plots, and bar charts from analyzed image data in just a few clicks
- Start capturing and analyzing images with minimal training using the icon-driven, user-friendly software
- Perform live cell experiments while maintaining optimal conditions with environmental control
- Generate sharper images for more accurate segmentation using z-stack acquisition

Automated acquisition and analysis of cell images

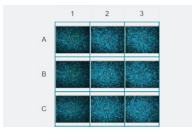
Replace tedious manual microscope manipulations with the fully automated ImageXpress® Pico Automated Cell Imaging System. Simply place samples into the system and follow the icon-driven, step-by-step workflow to capture and analyze images. The system software features over 25 preconfigured analysis protocols ranging from simple cell count to sophisticated neurite tracing, removing the guesswork from optimizing parameters. Results can be visualized in various formats including heat maps, scatter plots, tables, bar charts, and movies.

Place sample into the system

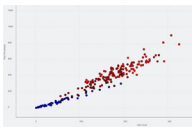
Automatically captures and analyzes images



Segment cells/objects



Review thumbnail images



Scatter plots

MOLECULAR DEVICES

Designed with the individual lab in mind

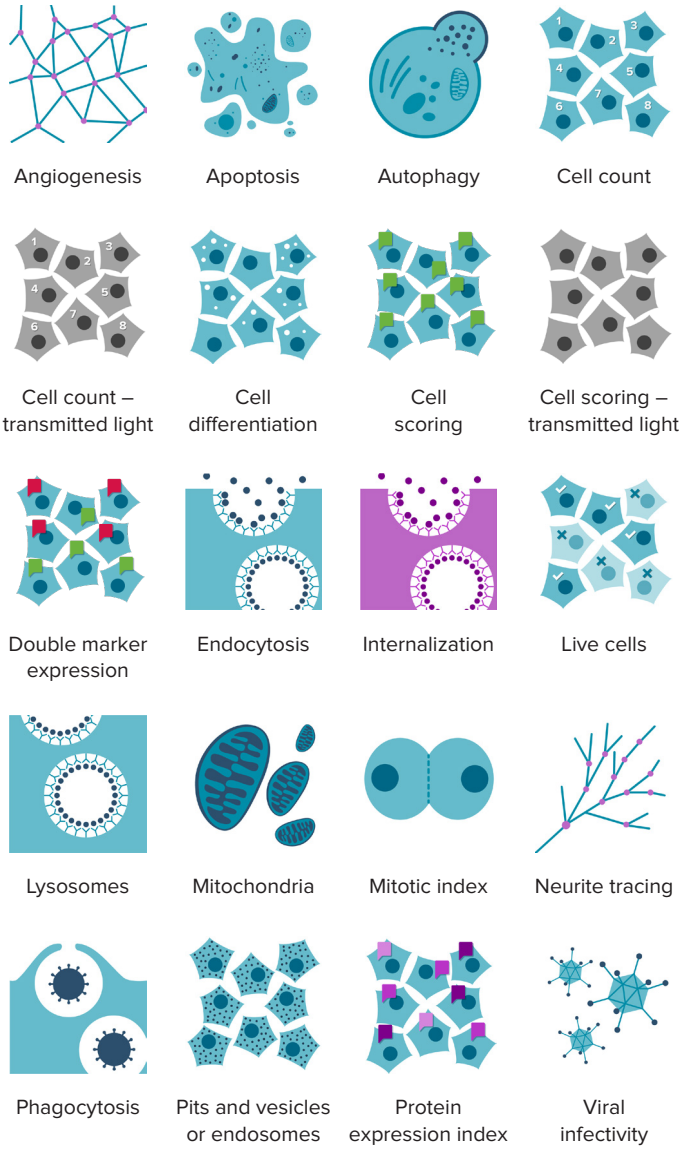
The ImageXpress Pico system is an enclosed, automated, benchtop-size platform that can be installed with ease in any lab. The browser-based CellReporterXpress™ software enables users to access their data and conveniently operate the system from anywhere, even when away from the lab.

Specifications	
Modes of operation	White light/brightfield, colorimetric, fluorescence
Objectives	6 position automated turret with user-exchangeable objectives. Optics by Leica Microsystems: FLUOTAR 4x/NA 0.13, 10x/NA 0.32, 20x/NA 0.40, 40x/NA 0.60, 63x/NA 0.70
Channels	Cy5, TRITC, FITC, DAPI, Texas Red, CFP, white light, and RGB
Imaging method	Single color, multi-color, time lapse, and Z-stacking
Autofocus method	Hardware or Image with hardware assist
Supported labware	6- to 384-well plates and slides
Supported operating systems	Windows 10 (main computer), Windows 10 and macOS (clients)
Dimensions (cm)	45.3 (H) x 55.1 (W) x 43.5 (D)
Weight (kg)	38 kg including options
Temperature control	Ambient +8°C to 40°C
Temperature control homogeneity	37°C ± 0.5°C at 23°C ambient
Gas control	O_2 control, 1-15% and ambient, CO_2 control, ambient to 15%
Humidity control	Active humidity control. Sample compartment controlled to 85% nominal humidity.

Configurable options support a wide range of assays

With a software-selectable range of objectives and filters, integrated white light and colorimetric imaging, and over 25 preconfigured protocol templates available, the ImageXpress Pico system has the flexibility to support a range of assays. Capable of generating publication-ready data in just a few clicks of the mouse, the system is an intelligent addition to any lab.

Some of the commonly used analysis protocols are listed here.



For more information, please visit
moleculardevices.com/pico

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