

Fluorescent Slide Scanner

nCyte Dx™



The nCyte Dx fluorescent slide scanner combines rapid scanning, flexible operation, and high-quality imaging, all within a single affordable benchtop system. With an intuitive interface and rapid one-click scanning capabilities, the nCyte Dx system elegantly couples ease-of-use with sophisticated multi-channel fluorescent imaging. High levels of automation facilitate unattended scanning of up to 250 slides.

Features:

- > Advanced illumination, exposure, and autofocus capabilities eliminate the need for manual adjustments
- > Customizable scan profiles and sub-scan filter profiles
- > Multi-channel capture with 4 color channels
- > Automated z-stack capture
- > Faster scanning with advanced data processing
- > Automation facilitates unsupervised scanning and image analysis
- > Readily scalable to a high-capacity system with an optional 250-slide autoloader
- > Fully enclosed system facilitates fluorescent imaging at the bench in ambient light
- > Flexible platform useful for various applications – from routine biomarker analysis to rare cell enumeration

Specifications:

- > Capacity: 2 or 250 slides
- > (slide size: 25 mm x 75 mm)
- > Objectives: 4X (0.2 NA, plan apochromatic); 40X (0.95 NA, plan apochromatic)
- > Epi-illumination wavelengths: 385 nm; 460 nm; 567 nm; 625 nm
- > Fluorescence measurement wavelengths: 432 nm (e.g. DAPI); 515 nm (e.g. FITC); 595 nm (e.g. TRITC); 730 nm (e.g. Cy5)
- > Camera resolution: 2048 x 2048 pixels
- > Dimensions: 50.80 cm x 60.96 cm x 36.83 cm (20.00 in x 24.00 in x 14.50 in)
- > Weight: 43 kg (95 lb)

nAble Software Platform:

- > Modular design incorporates: instrumentation control; calibration management; advanced data processing and digital pathology analysis; data storage and archiving
- > Adaptive image processing eliminates the need for manual sample-to-sample adjustments
- > Precise, quantitative analysis on the single-cell level
- > Customizable GUI allows the user to decide what information is important and eliminate irrelevant parameters
- > Interactive interface: Zoom in/out capabilities; alternate between low and high magnification objectives simply by scrolling in/out
- > One-click image export (including z-stack sets)