AXON *Dx*

nCyte Dx

Advanced Optical Scanner

OL90100

Automated classification ▲ Superior quality imaging ▲ Flexibility ▲ High-throughput

The nCyte Dx® fluorescent slide scanner combines rapid scanning, flexible operation and high-quality imaging, all within a single affordable benchtop system. The nCyte Dx nAble® software allows for automated classification and counting through digital morphology imaging.

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 200 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 200-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

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SPECIFICATIONS

Capacity	2 or 200 slides	slide size 25 mm x 75 mm
Objectives	4X 40X	0.2 NA, plan apochromatic 0.95 NA, plan apochromatic
Epi-illumination wavelengths	385 nm 460 nm 567 nm 625 nm	
Fluorescence measurement wavelengths	432 nm 515 nm 595 nm 730 nm	e.g. DAPI e.g. FITC e.g. TRITC 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

nCyte Dx nAble® SOFTWARE PLATFORM

- Modular design incorporates:
    - instrumentation control
    - calibration management
    - advanced data processing and digital pathology analysis
- 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 signals
- 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)

The nCyte Dx® Advanced Optical Scanner is offered in cooperation with **AXON Dx**

Order Information:

nCyte Dx® Advanced Optical Scanner
(incl. nCyte Dx nAble® software)   OL90100

Distributor:

OncoLab Diagnostics GmbH

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