EXI-1000
Advanced Inverted Research Microscope

ACCU-SCOPE®

MICROSCOPY & IMAGING SOLUTIONS

Empowering Discovery. Advancing Results.

Intuitive & Ergonomic Control Operation

3W LED Illuminator With Köhler Adjustment

Tilting Illumination Pillar For Easy Stage Access

Motorized 7-Position Condenser Brightfield, Phase Contrast, DIC* *(*optional)*

Manual or Motorized Stage* *(*optional)*

Tilting Binocular Viewing Head, Left-side Camera Port

Motorized Sextuple Nosepiece AFS Autofocus System *(*optional)*

Motorized 6-Position Fluorescence Cube Turret

LCD Touchscreen Panel

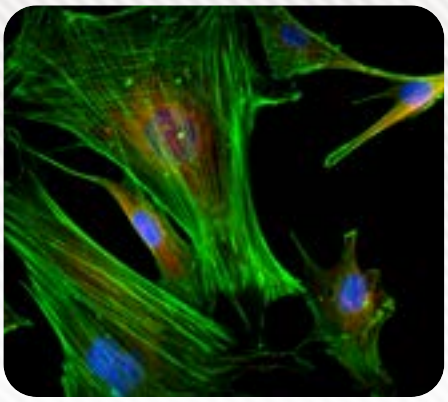
3-Speed Motorized Focus, Objective, FL Cube & Imaging Port Controls

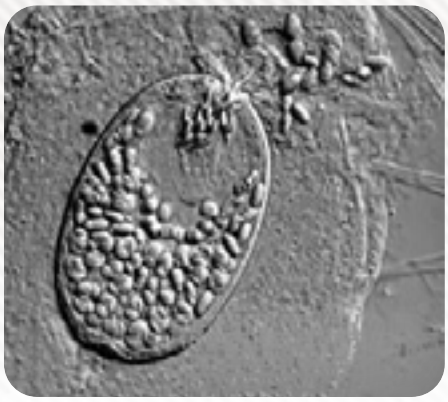
1x/1.5x Magnification Changer

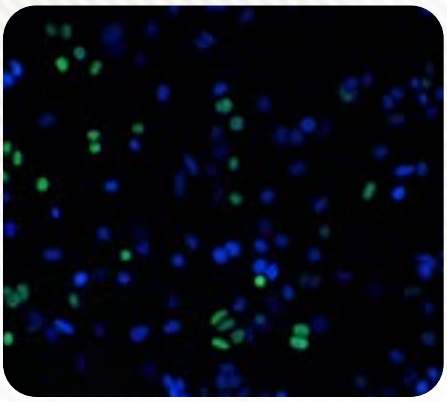
Motorized Light Path Selector (Left, Right, bottom imaging ports)

Fluorescence Illuminator Accepts Standard Light Guides

EXI-1000 Advanced Inverted Reseach Microscope







SPECIFICATIONS

Optical System	Infinity Optical System
Viewing Heads	Seidentopf binocular observation tube, 10-40° tilting, interpupillary distance adjustment 47-78mm; light path selector eyepieces/camera 100/0, 0/100
Eyepieces	SW10x/22mm, focusable
Objectives	Plan S-APO Phase Contrast 4x, 10x, 20x, 40x, 60x; Plan S-APO 4x, 10x, 20x, 40x, 60x; Plan APO 10x, 20x, 40x, 100x Plan APO 60x
Nosepiece	Sextuple with objective DIC prism slots, motorized; optional AFS autofocus module with motorized sextuple nosepiece and DIC slots
Motorized Stages *(optional)*	Non-Encoded: 50nm resolution, 0.75µm repeatability, 6µm accuracy, 120x100mm travel Rotary Encoded: 200nm resolution, 0.6µm repeatability, 6µm accuracy, 120x100mm travel 100nm Linear: 100nm resolution, 0.25µm repeatability, 2µm accuracy, 120x100mm travel 50nm Linear: 50nm resolution, 0.20µm repeatability, 2µm accuracy, 120x100mm travel
Manual Stage	Three-layer mechanical, 340mm x 230mm, movement range 130mm x 85mm; optional stage inserts for 96-well plate, 1x3" slide, Terasaki plate, universal
Focusing System	Electric Z-axis; travel 8.5mm up, 1.5mm down; 0.01µm resolution; 30.02µm accuracy (10nm grating); selectable 3-speed focusing knob (2µm/turn, 40µm/turn, 200µm/turn)
Touch LCD	Displays status/control of light source intensity, objective, fluorescence filter cube, intermediate magnification, condenser position, Bertrand lens, and more
Magnification Changer	1.0x, 1.5x; manual
Bertrand Lens	In/out of light path, focusable; manual
Ports	Left side 100:0, right side 100:0, bottom 100:0; motorized switching
Illumination System	Transmitted: Köhler Illumination, 3W LED, field and aperture diaphragms; tilting transmitted pillar EPI illumination: Built-in 3mm light guide receiver; field and aperture diaphragm; shutter
Condenser	7-hole motorized condenser for phase contrast, Hoffmann modulation contrast (optional), DIC (optional); NA=0.52, WD=30mm
Fluorescent Cube Turret	6-position motorized turret
Double-layer Adapter	Z-axis riser; additional fluorescence turret position; stage mount (requires second fluorescence turret)
DIC Components *(optional)*	Optional: DIC prisms by objective (insert into nosepiece); DIC polarizer; analyzer slider

ACCU-SCOPE®

CE | ISO 9001:2015 | ISO 14001:2015 | RoHS

www.accu-scope.com • info@accu-scope.com • 631-864-1000 • 73 Mall Drive, Commack, NY 11725

v111225