ACCU-SCOPE® microscopes are engineered to the highest quality standards
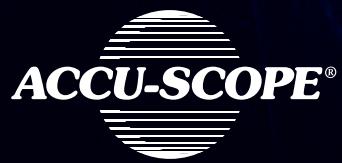
ACCU-SCOPE®

Delivering Quality thru Vision

3000-LED MICROSCOPE SERIES

Superb Optics, Durable and High Performance

The ACCU-SCOPE® 3000-LED Microscope Series delivers outstanding optical performance, value and resolution to meet the exacting standards of life science professionals and students. With a newly designed infinity plan optical system, a best in class 20mm field of view and a super-bright 3 watt LED illuminator, the 3000-LED Series provides high contrast images with outstanding resolution, precision design and enhanced illumination.
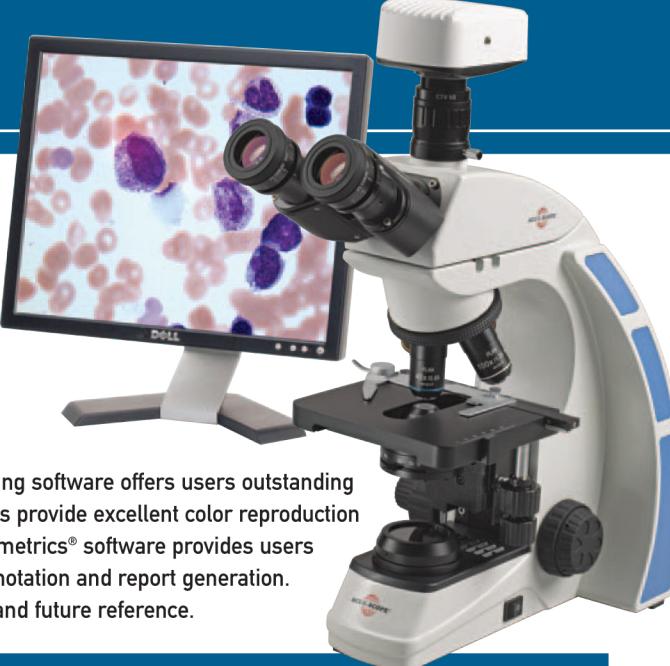
Digital Imaging Simplified

Integrating the 3000-LED Series with our Micrometrics® digital cameras and imaging software offers users outstanding results and unprecedented value for image documentation. Micrometrics® cameras provide excellent color reproduction and fast frame rates to meet the needs of today's life science professionals. Micrometrics® software provides users with an intuitive and comprehensive system for image capture, measurement, annotation and report generation. Images can be easily emailed, shared, compared or stored for archival purposes and future reference.

3000-LED SERIES SPECIFICATIONS

Optical System	Infinity Optical System, f=180mm, Anti-Mold
Viewing Head	Siedentopf type, inclined 30°; interpupillary distance adjustment 48-75mm, 360° rotatable; available in binocular or trinocular configurations
Eyepieces	HWF Plan 10x eyepiece, 20mm field of view with built-in diopter adjustment; a pointer is standard in one eyepiece; eyepieces are locked-in to prevent classroom tampering
Nosepiece	Rear facing quadruple, ball bearing nosepiece with positive click stops to ensure parcentration
Objectives	Infinity Plan achromat 4x (N.A. 0.10), 10x (N.A. 0.25), 40xR* (N.A. 0.65), 100xR oil* (N.A. 1.25) are standard — (*spring-loaded)
Stage	Stage size 140mm X 132mm with X-Y movement range of 76mm X 50 mm
Condenser	N.A. 1.25 Abbe condenser (with slot for sliders) on a rack and pinion with iris diaphragm; glass lens in condensing system protects iris diaphragm from classroom tampering
Focusing System	Coaxial focusing system with adjustable tension control and upper limit stop to prevent accidental damage to slides; all metal gears, brass fine focus gear
Illumination	3 watt LED with variable intensity control; LED bulb is rated for over 25,000 hours of continued use
Accessories	Dust cover, immersion oil and instruction manual, universal power supply 110v-240v
Stand	Cast alloy aluminum; coaxial coarse and fine focusing controls. Physical Weight: 16lbs. Microscope Dimensions (LWH): 387mm x 196mm x 391mm

3000-LED SERIES OPTIONAL ACCESSORIES

Digital Imaging	AU Series CCD and CMOS Cameras and image analysis software, Micrometrics® CCD and CMOS Cameras and image analysis software
Eyepieces	HWF15x/16mm field of view with built-in diopter (accepts 20mm reticle) HWF20x/12.5mm field of view eyepiece with built-in diopter (does not accept a reticle)
Objectives	Infinity plan achromat 20x, 50xR* oil and 60xR*; 10x, 20x, 40xR* or 100xR* Infinity Plan Phase objectives
Phase Contrast	Phase sliders for 10x/BF/40x and 20x/BF/100x; Darkfield sliders; Simple polarizer/analyzer
Miscellaneous	Optional cord hanger, field diaphragm and carry case, Darkfield slider (4x — 40x), Simple polarizer/analyzer
Warranty	5 year limited warranty for parts, labor and electronic components; LED bulb warranteed for 1 year

3000-LED SERIES CONFIGURATIONS

3000-LED	Binocular	Infinity Plan achromat 4x, 10x, 40xR and 100xR oil objectives
3001-LED	Trinocular	Infinity Plan achromat 4x, 10x, 40xR and 100xR oil objectives
3000-LED-SPH	Binocular	Plan phase contrast 10x and 40xR objectives
3001-LED-SPH	Trinocular	Plan phase contrast 10x and 40xR objectives

✔RoHS

ACCU-SCOPE INC.

ACCU-SCOPE®

ISO 9001
Certification
Design and production adheres to ISO9001 international quality standard.

ISO 14001
Certification
Design and production meets the requirements of international standard ISO 14001 for environmental management.