

**Fluorescence cum Bright Field
Research Microscope
with LED**

Lx 400 eFL2

Laboratory Microscopy



LABOMED[®] 
ideas for vision

Lx 400 eFL2 Fluorescence cum Bright Field Microscope with LED

Item	Specifications
- Stand	Ergonomic design for convenient operation. Single frame metal, Die-Cast Body Arm & Base, Heat Treated & epoxy coated, corrosion proof & resistant to organic solvents. All operation knobs are low positioned ensuring comfortable usage during long hours.
- Viewing Bodies	An inclined 30° prismatic Binocular eyepiece-Sidentopf type, rotatable thru 360°, interpupillary distance ranging 48-75mm, maintaining parfocality, having provision for Dioptre adjustment on both
- Eyepiece	Paired-focusable-wide field Achromatic & Aplanatic eyepieces with foldable eye guards, Dioptre Adjustment with graduated scale on both eyepieces. Magnification 10x F.O.V. numbers 18 or 20mm. High quality optics A.R coated, Anti-fungus treated.
- Nosepiece	REVERSE ANGLE-QUADRUPLE or QUINTUPLE, made of solid brass with DOUBLE BALL BEARINGS and Ribbed Grip for smooth & Precision movement having positive click stop. PARFOCALITY and CENTRATION of all the objectives ensured thru high precision manufacturing on CNC machines & check up on Auto collimeters. Idle port fitted with dust
- Objectives	INFINITY CORRECTED Anti - Reflection & Anti-Fungal coated especially designed for Fluorescence Attachment and Bright Field Microscopy. Corrected for specimens without cover slips PLAN ACHROMATIC, parfocalized & Par centered objectives of DIN standard. Spring loading provided on 20x, 40x & 100x oil. Magnification /NA: 10x/0.25, 20x/0.4,
- Mechanical stage	Built-in-double plate type Mechanical stage. Rectangular size 145x145mm. X & Y travel on precision ball bearing guides, offers range of 78x50mm. Low drive Co-axial movement controls. RACKLESS X axis. Hard coated surface for scratch resistance. Double specimen
- Substage Condenser	Abbe type, N.A. 0.9/1.25, with an Aspheric Lens, Iris Diaphragm & removable Blue day light filters. Rack & Pinion movement on stainless steel guides.
- Focusing System	Co-axial coarse & fine focusing mechanism designed for highly smooth & long life functioning over the full range of coarse travel ranging 15 - 18mm. Sensitivity below 0.002mm on entire range. Safety stop provided to avoid slide damage. One rotation of fine
- Illumination	Reflected light for Fluorescence illumination with built-in LED blue light source and Green light source-wavelength 450nm, provided with proper Barrier & Exciter Filters. Sub-stage illumination with 3W LED life time of 50,000 hours, with proper Heat Sink & well corrected optical system for Bright Field Microscopy. System provides an on-off switch and intensity control of light during operation.
- Electrical	Input 180V-250V. 50Hz thru SMPS offer constant voltage output for LED.
- Battery Pack	Power Pack (6V DC) with charger working on 180-250V AC/ 50-60 Hz Includes a rechargeable battery which provides minimum of two hours working of microscope in
- Accessories	Dust Cover, Cleaning Brush, Blue Filter and Operation & Instruction Manual in English
- Optional accessories	Zernik Phase contrast kit with RP series Phase objectives 10x, 20s, 40s, 100x, Dark field kit, Simple Polarizer/Analyzer, Dual view attachment



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ISO 9001 : 2008
File No. A9020

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