



Model:

B-500TiFL

Typology:

RESEARCH MICROSCOPE**Description:***Laboratory microscope for research applications.**Dye-cast frame, with high stability and ergonomics, for transmitted light and reflected fluorescence observation.*

Illumination	<p>Transmitted Light: Light source type X-LED with white LED; light intensity control using a knob on left side of the frame. LED power 3.6W, comparable to an halogen bulb 50W. Color temperature: 6300K LED average lifetime approx.: 50.000h. The light exit can be used as a filter holder for additional filters (blue, yellow, frosted). Voltage: 110/230Vac, 50/60Hz, 0.4/0.8A; Fuse: T3.15A 250V Max power required: 7W</p> <p>Reflected Light: Mercury burner 100W HBO, light controlled by an external power supply. Bulb average lifetime approx.: 300 hours. Voltage: 100/240Vac, 50/60Hz Fuse: T3.15A 250V Max power required: 130W</p>
Observation Modes	<p>Brightfield, Fluorescence B and G Fluorescence B: EX 450-490, DM 495, EM 500-550; Fluorescence G: EX 540-580, DM 585, EM 607-683; Fluorescence UV (optional): EX: 325-375 , DM 415, EM 435LP; Fluorescence V (optional): EX 390-420, DM 440, EM 450LP.</p>
Filter Set	<p>4 positions fluorescence filter holder:</p> <p>Excitation B: Acridine Yellow, Acridine Orange, Auramine, DiO, DTAF, FITC, GFP, YFP, ecc. Excitation G: DiI; Blu Evans, Feulgen, Rhodamine, Texas Red, TRITC, PI, ecc. Excitation UV (optional): AMCA, AutoFluorescence, BAO, BFP, Blu Cascade, DANS, DAPI, Hoechst, Indo-1, SITA, ecc. Excitation V (optional): ANS, Fluorescamine, Catecholamine, ecc.</p>
Focusing	<p>Coaxial coarse and fine focusing mechanism (graduated, 0.002mm) with upper stop, to prevent the contact between objective and specimen. Adjustable tension of coarse focusing knob.</p>
Stage	<p>Double layer with mechanical sliding stage, size 175x145mm, X-Y movement range 76x52, specimen holder for two slides. Vernier scale on the two axes, accuracy 0,1 mm.</p>
Nosepiece	<p>Quintuple revolving nosepiece, rotation on ball bearings.</p>
Head	<p>Trinocular observation head, inclined 30° and rotatable 360°. Diopter adjustment on left eyepiece sleeve. Interpupillary adjustment 55-75 mm.</p>
Objectives	<p>Infinity corrected optical system IOS (Infinity Optical System). Plan-achromatic IOS FLUO objectives: -) Plan-achromatic IOS 4X, A.N. 0.13, W.D. 4,7 mm -) Plan-achromatic IOS 10X, A.N. 0.30, W.D. 4,1 mm -) Plan-achromatic IOS 20X, A.N. 0.50, W.D. 1,45 mm -) Plan-achromatic IOS 40X, A.N. 0.75, W.D. 0,50 mm All objectives are treated with an anti-fungus treatment.</p>
Condenser	<p>Swing-out type, A.N. 0.90 with centering system.</p>
Eyepieces	<p>Wide field eyepieces WF10X/22 with field number 22.</p>
Dimensions	<p>HEIGHT: 480 mm (with attachment) / 435 mm (without attachment) WIDHT: 245 mm DEPTH: 380 mm WEIGHT: 9 kg</p>
Accessories	<p>Instruction manual and dust cover included</p>