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Product Name :

Binocular Microscope 1000x mag

Product Code :

SLE/M/12

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Description :

Description:-
Educational and laboratory microscope for routine applications.
Dye-cast frame, with high stability and ergonomy, for transmitted light observation.
Binocular microscope 1000x, IOS objectives, belt drive stage, X-LED illumination.

Technical Specifications:-
Head: Binocular observation head, inclined 30° and rotatable 360°.
Diopter : adjustment on left eyepiece. Interpupillary adjustment 48-75 mm.
Eyepiece: Widefield eyepieces WF10X/20 with field number 20.
Nosepiece: Quadruple revolving nosepiece, rotation on ball bearings.
Infinity-corrected E-Plan objectives:
E-Plan IOS 4X, N.A. 0.10, W.D. 16.8 mm
E-Plan IOS 10X, N.A. 0.25, W.D. 5.8 mm
E-Plan IOS 40X, N.A. 0.65, W.D. 0.43 mm
E-Plan IOS 100X, N.A. 1.25, W.D. 0.13 mm (oil immersion)

All objectives are treated with an anti-fungus treatment.
Magnifications: 40x, 100x, 400x, 1000x
Focusing system: Coaxial coarse and fine focusing mechanism (graduated, 0.002mm) with upper stop, to prevent the between objective and specimen. Adjustable tension of coarsefocusing knob.
Condenser: NA1.25 Abbe condenser, sliding-in, centrable, up-down adjustment by rack & pinion.
Colour temperature: 6300K.
LED average lifetime approx.: 50.000h.
Voltage: external power supply 100/240Vac, 50/60Hz, output: 6Vdc 1A.
Max. required power: 7W.
Observation Modes: Brightfield
Stage: Double layer with mechanical sliding stage, size 150x139mm, X-Y movement range 75x33mm, specimen holder for one slide. Belt drive in X direction. Vernier scale on X-Y axes, accuracy 0,1mm.
Illumination: Light source X-LED type with white LED; light intensity control using a knob on left side of the frame.LED power 3.6W, comparable to a 50W halogen bulb.