Email : sales@scilabexport.com
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Product Name :

Monocular Microscope 1000x, LED light

Product Code :

SLE/M/04



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Description :

Monocular Microscope 1000x, LED light (Product Code: SLE/M/04) is a single-eyepiece brightfield microscope used to study blood smears, bacteria and fine tissue detail at up to 1000x with a 100x oil-immersion objective in educational and routine laboratories. It combines a die-cast metal stand, anti-fungus glass optics and a double-layer mechanical stage with vernier scales for relocating a field. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India, a biology lab instruments supplier to schools and colleges.

Specifications

Parameter	Detail
Observation	Brightfield
Head	Monocular, inclined 30°, 360° rotatable
Eyepiece	Wide field WF10x/18 mm
Objectives	DIN achromatic 4x, 10x, 40x, 100x (oil)
Condenser	Abbe, N.A. 1.2, precentered, with diaphragm
Focusing	Coaxial coarse and fine (graduation 0.002 mm) with limit stop; adjustable tension of coarse focusing knob
Stage	Double-layer mechanical stage, 125 x 116 mm; X-Y movement range 76 x 30 mm
Stage scales	Vernier on both axes, accuracy 0.1 mm; specimen holder for one slide
Illuminator	1 W LED with external power supply; intensity knob on left side of base
LED average lifetime	50 000 hours
Construction	Die-cast metal; anti-fungus glass optics
Product code	SLE/M/04
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the 1000x Monocular Microscope Used For?

At 1000x a student can see the shape of bacterial cells in a Gram-stained smear, count white blood cell types in a blood film and study chromosome detail in root-tip squashes. The microscope suits senior-school, college and nursing labs as well as routine laboratory checks, and it is a sensible step up for microbiology lab equipment in India where a lower-power instrument no longer shows enough. The 4x, 10x and 40x objectives are used dry for locating and surveying the specimen before the oil objective is swung in.

For oil work, place one drop of immersion oil on the cover glass over the chosen area, rotate the 100x objec end of ev stude