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Product Name :

Monocular Microscope, 1000x, LED Illumination

Product Code :

SLE/M/104



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Description :

Monocular Microscope, 1000x, LED Illumination (Product Code: SLE/M/104) is a single-eyepiece compound microscope used to reach oil-immersion magnification for bacteria, blood smears and fine cell detail in school, college and training laboratories. It offers four achromatic objectives up to S100x oil, a 123 x 119 mm mechanical stage with 70 x 27 mm X-Y travel and cordless 1 W LED lighting. This compound microscope for labs in India and abroad is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India.

Specifications

Parameter	Detail
Eyepiece	Wide field WF 10x/18 mm with pointer
Tube and head	Monocular, 45° inclined; head rotatable 360°
Nosepiece	Revolving, four objectives, on ball bearings
Objectives	Achromatic 4x, 10x, S40x and S100x oil; S40x and S100x spring loaded
Focusing	Coaxial coarse and fine; 200 graduations; 12.5 µm per graduation; 2.5mm per rotation; total travel approx. 15 mm; adjustable rack stop
Condenser	Abbe, N.A. 1.25, with iris diaphragm and filter holder; helicoidal adjustment; height adjustable
Stage	Plain mechanical stage 123 x 119 mm; X-Y travel 70 x 27 mm; two non-removable object clamps
Illumination	1 W LED, cordless, with integrated power supply
Power	Rechargeable batteries; external 100–240 V AC mains/charger adapter
Optics	Anti-fungus treated and anti-reflection coated
Stand	Ergonomic stand
Product code	SLE/M/104
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the 1000x Monocular Microscope Used For?

This model brings oil-immersion work (Gram-stained bacteria, blood smears, chromosome detail) to benches where a single eyepiece is preferred, for example in school labs where the teacher uses the eyepiece pointer to show each student the same structure. Find the area at 4x, centre it with the X-Y controls, move through 10x and S40x, then add a drop of immersion oil and rotate in the S100x objective, focusing only with the fine control.

Fine focus moves 12.5 µm per graduation and 2.5 mm per full turn, and the adjustable rack stop limits upward travel to protect slides and the spring-loaded high-power objectives. At 100x, raise the helicoidal Abbe condenser (N.A. 1.25) close to the slide and open the iris diaphragm for the bright the micro

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