Email : sales@scilabexport.com
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Product Name :

Microscope, Monocular, 400x, LED Illumination

Product Code :

SLE/M/109



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Description :

Microscope, Monocular, 400x, LED Illumination (Product Code: SLE/M/109) is a cordless monocular compound microscope with a mechanical stage, used for slide work in senior school and college biology practicals. Its listed specification includes four reversed achromatic objectives up to S100x oil immersion, an Abbe N.A. 1.25 condenser with iris, and an adjustable 1 W LED on internal rechargeable batteries. This monocular microscope for teaching labs in India and abroad is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, with its other biology lab equipment in India.

Specifications

Parameter	Detail
Eyepiece	Wide field WF 10x/18 mm, secured, with pointer
Tube and head	Monocular, 30° inclined tube; head secured and rotatable 360°
Nosepiece	Revolving, four reversed positions, on ball bearings
Objectives	Achromatic DIN 35 mm: 4x/0.10, 10x/0.25, S40x/0.65, S100x oil immersion; S40x and S100x spring loaded
Condenser	Abbe, N.A. 1.25, with iris diaphragm and filter holder; height adjustable
Stage	115 x 100 mm with integrated 55 x 20 mm X-Y mechanical stage
Focusing	Coaxial coarse and fine; 200 graduations; 15 µm per graduation; 3 mm per rotation; total travel approx. 15 mm; adjustable rack stop
Illumination	Adjustable 1 W LED
Power	Internal rechargeable batteries; external 100–240 V AC mains/charger adapter; cordless operation
Optics	Anti-fungus treated and anti-reflection coated
Handling	Ergonomic carrying grip
Product code	SLE/M/109
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the Monocular Mechanical-Stage Microscope Used For?

The integrated 55 x 20 mm X-Y mechanical stage sets this model apart from simpler clip-stage microscopes: students move the slide with two controls in small, repeatable steps, which makes it practical to count cells, follow a field of view or return to a structure the teacher has marked with the eyepiece pointer. The Abbe condenser with iris and filter holder gives control over light for both stained and unstained preparations.

The listing also includes a spring-loaded S100x oil-immersion objective, so labs that want to go beyond 400x can study bacteria and blood smears once immersion oil is added. For senior biolog ke it easy ter.

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