Email : sales@scilabexport.com
Phone: +91-7082934803

Product Name :

Monocular Microscope, 400x, LED

Product Code :

SLE/M/97



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Description :

Monocular Microscope, 400x, LED (Product Code: SLE/M/97) is a cordless compound microscope used to study cells, tissues and micro-organisms up to 400x in junior and middle-school science classes. It is built with brass gears and mechanical parts for long classroom service, and pairs a gliding stage with LED lighting that runs from the mains or rechargeable batteries. This monocular microscope for schools in India and overseas is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, as part of its range of biology lab equipment in India.

Specifications

Parameter	Detail
Viewing head	Monocular, 45° inclined, 360° rotation
Eyepiece	WF10X/18 mm with pointer
Nosepiece	Triple
Objectives	Achromatic, DIN: 4X, 10X and 40X (marked S)
Condenser	Built-in condenser lens, N.A. 0.65
Filter	Built-in frosted glass
Stage	Gliding stage, 110 x 105 mm, with sample clips
Diaphragm	Disc diaphragm
Focusing	Separate coarse and fine adjustment; focus precision 2 µm; focusing stroke 8 mm
Illumination	LED with intensity control
Power	110–220 V mains or rechargeable batteries
Mechanism	Brass gears and mechanical parts
Optics	Glass optics
Accessories included	Dust cover, charger, batteries, calibration slide
Product code	SLE/M/97
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the 400x LED Monocular Microscope Used For?

Teachers use it for the core practicals of junior biology: onion epidermis, cheek cells, stomata, pollen and pond-water organisms. Begin with the 4X objective, centre the specimen on the gliding stage, then turn the triple nosepiece to 10X and 40X and finish with the fine control. The frosted glass filter spreads the LED light evenly, and the intensity control lets pupils dim it for pale, unstained mounts.

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