Email : sales@scilabexport.com
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Product Name :

Binocular Microscope 400x, LED Illumination

Product Code :

SLE/M/103



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Description :

Binocular Microscope 400x, LED Illumination (Product Code: SLE/M/103) is a cordless LED compound microscope used for viewing prepared slides, wet mounts and stained smears in school biology labs, college practicals and field teaching. Its 45° inclined binocular head carries a pointer eyepiece so a teacher can mark a feature for students, and a replaceable 1 W LED runs from internal rechargeable batteries. This compound microscope for schools in India is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, as part of its school biology lab equipment in India.

Specifications

Parameter	Detail
Head	Binocular, secured, rotatable 360°
Eyepiece	Wide field WF10x/18 mm, secured, with pointer
Tubes	45° inclined
Interpupillary distance	Adjustable, 48–75 mm
Diopter adjustment	±5 diopter on left tube
Objectives	Four reversed DIN 35 mm achromatic objectives: 4x/0.10, 10x/0.25, S40x/0.65 and S100x oil immersion; S40x and S100x spring loaded
Nosepiece	Revolving, on ball bearings
Condenser	Abbe, N.A. 1.25, with iris diaphragm and filter holder
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; height adjustable
Illumination	LED, replaceable 1 W illumination system
Power	Internal rechargeable batteries for cordless operation; external 100–240 V AC mains/charger adapter
Optics	Anti-fungus treated and anti-reflection coated
Handling	Ergonomic carrying grip
Product code	SLE/M/103
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the 400x Binocular LED Microscope Used For?

Teaching labs use this microscope for the core practicals of a school or first-year college biology course: plant and animal cells, stomata, root and stem sections, protozoa in pond water and stained smears. The 4x/0.10 and 10x/0.25 objectives locate and frame the specimen, and the S40x [illegible] ow a class [illegible]