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

Product Name :

Monocular Biological Microscope 400x, LED

Product Code :

SLE/M/01



Science Lab

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Description :

Monocular Biological Microscope 400x, LED (Product Code: SLE/M/01) is a starter compound microscope used to examine stained slides, cells and small organisms at 40x, 100x and 400x in school and college biology labs. Its LED light runs from the mains or from 3 AA batteries, so lessons can continue in rooms without a socket or during power cuts. This monocular microscope for Indian and overseas classrooms 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, inclined at 45°, 360° rotatable
Eyepiece	Wide field 10x/18 mm
Objectives	Achromatic 4x, 10x, 40x
Magnification	40x, 100x, 400x
Stage	Plain stage with slide clips, 90 x 90 mm
Condenser	Single lens with disc diaphragm
Focusing	Coaxial coarse and fine adjustment; fine focusing scale value 0.002 mm
Light source	220 V / 1 W LED illumination
Power	Mains, or 3 AA batteries (batteries not included)
Included	Mains lead
Base	Four rubber feet for stability and to reduce vibration
Product code	SLE/M/01
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the Monocular LED Microscope Used For?

This is the microscope students usually meet first: onion peel and cheek-cell mounts, stomata on a leaf, pollen grains, pond-water protozoa and commercially prepared tissue slides. Start every observation with the 4x objective to find the specimen, centre it by hand under the slide clips, then rotate up to 10x and 40x, using the fine focus for the last touch. The disc diaphragm under the stage changes the light cone, which helps bring out detail in thin, unstained specimens.

Because the head turns through 360°, a teacher can swing the eyepiece towards a pupil across the bench without moving the slide, which is useful during school biology lab equipment demonstrations. Batteries are not supplied, so keep a set of AA cells in the prep room if the microscopes are used outdoors or where mains sockets are few.

What to Specify When Ordering