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Product Name :

Compound Microscope

Product Code :

SLE/M/51



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Description :

Compound Microscope (Product Code: SLE/M/51) is a rechargeable LED compound microscope used to study stained slides, cells and micro-organisms in school, college andtraining laboratories. It combines achromatic parfocal objectives, a built-in mechanical stage anda rack-and-pinion 1.25 N.A. Abbe condenser with iris diaphragm, and runs on its included NiMHbatteries or the AC charger/adapter. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, for laboratories buying a compound microscope in India.

Specifications

Parameter	Detail
Head	360° rotating, inclined at 45° for easier viewing
Eyepiece	Locked-on 10x widefield, with calibrated pointer
Objectives	Achromatic, parcentered and parfocal
Stage	Built-in mechanical stage for easier slide scanning
Focusing	Separate coarse and fine rack-and-pinion focus, with positive stops at both ends of stage travel
Condenser	Rack-and-pinion adjustable 1.25 N.A. Abbe condenser with iris diaphragm
Illumination	Built into the base with on/off switch; bright, cool LED with light intensity control
LED bulb life	10,000 hours
Power	Rechargeable NiMH batteries and AC charger/adapter included
Size	11-1/2 in H x 6 in W x 9-1/2 in D (approx. 29.2 x 15.2 x 24.1 cm)
Weight	10 lb (approx. 4.5 kg)
Product code	SLE/M/51
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the Compound Microscope Used For?

The adjustable Abbe condenser and iris diaphragm make this microscope suitable for both stained and unstained material, which is the heart of cell biology practicals: stained tissue sections, onion and cheek cells, and protists in pond water. Close the iris to add contrast to pale, transparent cells, and open it for well-stained slides. The mechanical stage moves the slide in controlled strokes, so students can scan a smear systematically instead of nudging the glass by hand.

With the NiMH batteries charged, the microscope can be used at benches or in rooms without sockets, then returned to its AC charger/adapter. The cool LED does not heat wet mounts or live speci d optics cture to loc

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