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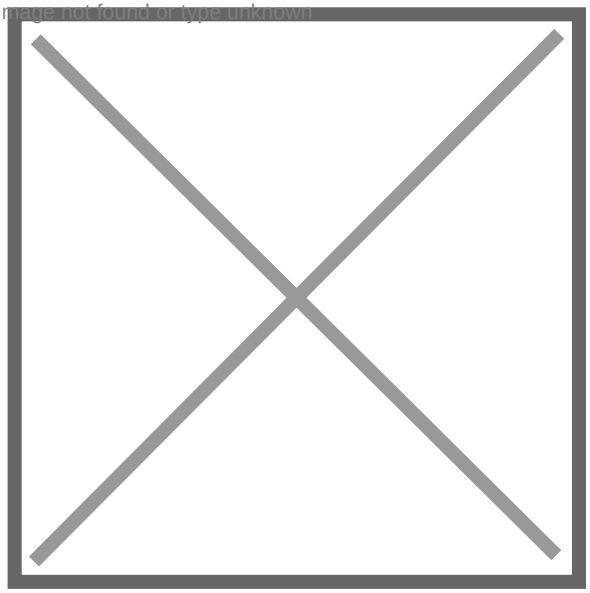
Product Name :

Biological Microscope

Product Code :

SCL125/1.11

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Description :

Biological Microscope (Product Code: SCL125/1.11) is a compound microscope that magnifies over 400 times, fitted with an ocular (eyepiece), three objectives and a light for illuminating the specimen. It lets students move from whole-leaf and insect observation to cells, tissues and micro-organisms on prepared or freshly mounted slides. Schools comparing a compound microscope in India for biology practicals can order it directly from **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, which manufactures it.

Specifications

Parameter	Detail
Type	Compound biological microscope
Magnification	Over 400 times
Eyepiece	Ocular
Objectives	Three, on a rotating turret above the stage, from low power (LP) to high power (HP)
Illumination	With light

Typical Use

A compound microscope has two sets of lenses: the ocular that you look through and the objective near the specimen. Total magnification is the ocular power multiplied by the objective power — for example, a 10X ocular with a 4X objective gives 40X. Students start on the low power objective to find and centre the specimen, then rotate the turret to higher powers to see detail such as onion-skin cells, cheek cells, stomata or pond organisms. This makes it a core item of biology lab equipment supplied in India for secondary and senior classes.

A useful class exercise is measuring the field of view: place a transparent metric ruler under the low power objective, focus on the scale and read the diameter of the visible circle in millimetres. At high power the field is often too small to measure directly, which demonstrates that the higher the magnification, the smaller the field of view. Always focus upwards away from the slide at high power, cover the instrument after use and carry it with one hand under the base.

Manufacturer

This microscope is manufactured by **Jain Scientific Equipments Private Limited**, whose products carry the ScienceLab name; the business is based in Ambala, Haryana. To learn more about our work with schools, colleges and distributors, visit the company profile.

Related Laboratory Equipment

Slides, consumables and care items used at the microscope bench:

- Lama — ground-edge glass slides, 25.4 x 76.2 mm, for mounting specimens
-
- ides
- lides

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