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

Product Name :

Trinocular Microscope, LED

Product Code :

SLE/M/14



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Description :

Trinocular Microscope, LED (Product Code: SLE/M/14) is a compound light microscope with a camera port, used to examine stained slides at 40x to 1000x in college and school biology laboratories. Its 30° trinocular head rotates through 360°, so an instructor can view a slide while a camera on the third tube shares the same field with the class. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India, as part of its compound microscope range.

Specifications

Parameter	Detail
Observation head	Trinocular, inclined at 30°, rotating through 360°
Eyepieces	Wide field WF10x/18 mm
Objectives	Achromatic DIN 4x, 10x, 40x and 100x (oil immersion)
Total magnifications	40x, 100x, 400x, 1000x
Condenser	Abbe, N.A. 1.25
Illumination	LED with adjustable intensity
Focusing system	Coaxial coarse and fine
Stage	Double layer, 125 x 115 mm, X-Y moving range 70 x 30 mm
Product code	SLE/M/14
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the Trinocular LED Microscope Used For?

In teaching labs the Trinocular Microscope, LED is typically used for histology, botany and microbiology practicals where the whole group needs to see the same cell or tissue feature. The instructor focuses a prepared slide through the eyepieces, and a camera fitted to the third tube relays that image to a screen for discussion or for practical records. The 100x oil-immersion objective brings bacteria, blood cells and fine cell detail into view at 1000x total magnification.

Good practice: start every slide at 4x with the coaxial coarse knob, centre the specimen with the X-Y stage controls, then step up through 10x and 40x using the fine knob only. Keep the Abbe condenser raised for high power, turn the LED down at low power to avoid glare, and wipe immersion oil off the 100x lens after each session. In school biology lab equipment in India, one trinocular model like this often sits at the demonstration bench beside several monocular student microscopes.

What to Specify When Ordering

- Number of trinocular microscopes required for each laboratory.
- Whether you need a camera for the trinocular port, and which model, so the fit can be discussed before quotation.
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