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Product Name :

Research Trinocular Microscope

Product Code :

SLE/M/27



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Description :

Research Trinocular Microscope (Product Code: SLE/M/27) is a compound microscope with a third photo tube, used to examine and document slides for dissertations, research records and projected teaching. It combines a 45° trinocular head with 54–74 mm interpupillary adjustment, DIN objectives from 4x to 100x oil immersion, and a pre-focusing lock on a die-cast, coaxially focused stand. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, among its laboratory instruments and biology lab equipment in India for research users.

Specifications

Parameter	Detail
Observation head	Trinocular, inclined at 45°, rotatable through 360°
Interpupillary distance	Adjustment ring, 54–74 mm
Dioptric adjustment	Ring on the left with adjustable dioptric scale
Eyepieces	High eye point, wide field 10x (F.N. 20) or 15x, paired
Objectives	DIN 4x, 10x, 40/45x (S.L.), 100x oil immersion (S.L.)
Nosepiece	Quadruple, revolving on ball bearing
Main body	All parts die-cast for long life and good mechanical strength
Focusing	Coaxial control with ball-bearing guide way and large knobs; pre-focusing (auto-focusing) lock and tension adjustment ring
Condenser	Abbe, N.A. 1.25, aspherical lens, adjustable iris diaphragm
Illumination	Built-in 6 V–20 W halogen system and plano-concave mirror attachment; suitable for 220 V, 50 Hz AC
Mechanical stage	Large double-plate X-Y type, co-axial and low-positioned, with fine vernier graduation
Camera	Not included in the listed specification
Product code	SLE/M/27
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the Research Trinocular Microscope Used For?

The third tube is what sets this model apart: with a microscope camera fitted, researchers capture images for theses, lab notebooks and reports, or show the live field on a seminar-room screen while still viewing through the binocular eyepieces. Postgraduate departments in botany, zoology, microbiology and pathology use it where observations must be recorded, not just seen.

For consistent image series, set the pre-focusing lock at the working magnification so every new slide returns to the same focal plane, and note vernier positions so a field can be re-imaged later. The built-in halogen light keeps exposure steady between sessions; closing the iris diaphragm slight
listed

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