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Phone: +91-7082934803

Product Name :

Pathological Monocular Microscope

Product Code :

SLE/M/24



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Description :

Pathological Monocular Microscope (Product Code: SLE/M/24) is a single-eyepiece compound microscope with built-in halogen base illumination, used to examine stained tissue sections and smears in pathology teaching and routine laboratory slide work. It combines 4x to 100x oil-immersion objectives, an Abbe N.A. 1.25 condenser and a 120 x 125 mm co-axial mechanical stage on a pressure die-cast body. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, a laboratory instruments supplier in India, for Indian and international markets.

Specifications

Parameter	Detail
Observation head	Monocular tube inclined at 45°, rotatable through 360°
Eyepieces	Wide field 10x or 15x
Objectives	4x, 10x, 40/45x (S.L.), 100x oil immersion (S.L.)
Nosepiece	Quadruple, revolving on ball bearing
Main body	All parts pressure die-cast for long life and good mechanical strength
Condenser	Abbe, N.A. 1.25, with spherical lens and adjustable iris diaphragm
Illumination	Built-in base illumination with 6 V–20 W halogen bulb, plus plano-concave mirror attachment; suitable for 220 V, 50 Hz AC supply
Mechanical stage	Co-axial, low-positioned X-Y stage, 120 x 125 mm, with fine vernier graduation
Product code	SLE/M/24
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the Pathological Monocular Microscope Used For?

The Pathological Monocular Microscope is aimed at medical laboratory technology, pathology and microbiology practicals, where students examine histology sections, blood films and stained bacterial smears slide after slide. The built-in 6 V–20 W halogen base light gives the same illumination at every bench regardless of daylight, and the plano-concave mirror attachment remains available as an alternative light path.

The co-axial X-Y controls sit low beside the stage, so the hand can rest on the bench while scanning a smear methodically, and the vernier graduation records where a notable field was found. Rotating the 45° head lets a demonstrator turn the eyepiece towards a student without moving the slide. For 100x work, close down the iris only slightly, add immersion oil, and use the fine focus gently.

What to Specify When Ordering