Email : sales@scilabexport.com
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**Product Name :**

Universal Research Microscope

**Product Code :**

SLE/M/30



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## Description :

**Universal Research Microscope** (Product Code: SLE/M/30) is a binocular compound microscope used for detailed slide work in biology, pathology and microbiology laboratories. Colleges and teaching hospitals value its dual lighting — a built-in 6 V 20 W halogen lamp plus a plano-concave mirror attachment — and its Abbe condenser of N.A. 1.25. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India, for buyers sourcing a compound microscope in India.

### Specifications

| Parameter | Detail |
|---|---|
| Illumination | Built-in system with 6 V – 20 W halogen bulb and plano-concave mirror attachment |
| Mains supply | Suitable for 220 V, 50 Hz AC |
| Observation head | Binocular, inclined at 45°, rotatable through 360° |
| Interpupillary distance | Adjustment ring, 54–74 mm |
| Dioptric adjustment | Ring on the left eyetube with adjustable dioptric scale |
| Eyepieces | High eye-point wide-field 10x (F.N. 20) or 15x, paired |
| Objectives | DIN 4x, 10x, 40/45x (spring loaded), 100x oil immersion (spring loaded) |
| Nosepiece | Quadruple, revolving on ball bearing |
| Condenser | Abbe, N.A. 1.25, aspherical lens, adjustable iris diaphragm |
| Mechanical stage | Co-axial, low-positioned, large double-plate X-Y stage with fine vernier graduation |
| Focusing | Coaxial control with ball-bearing guideway and large knobs; pre-focusing / auto-focusing lock and tension adjustment ring |
| Main body | All parts die-cast for long life and mechanical strength |
| Product code | SLE/M/30 |
| Supplied by | Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India |

### What Is the Universal Research Microscope Used For?

This microscope handles the everyday slide work of an undergraduate or diagnostic teaching lab: stained tissue sections, blood smears, bacteria and plant material. The 4x and 10x objectives locate the area of interest, the spring-loaded 40/45x resolves cells, and the 100x oil-immersion objective is used for bacteria and fine cell detail with a drop of immersion oil between slide and lens.

The "universal" lighting is useful where power is unreliable: switch on the halogen lamp for contr o. For a stude