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**Product Name :**

Binocular Microscope, 1000x, LED

**Product Code :**

SLE/M/106



Science Lab
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# Description :

**Binocular Microscope, 1000x, LED** (Product Code: SLE/M/106) is a compound light microscope with a binocular viewing head and LED illumination, used to examine cells, tissues and micro-organisms at up to 1000x in school, college and teaching laboratories. Its achromatic semi-plan objectives run from 4X to a 100X oil immersion lens, and a 30° inclined head that rotates 360° keeps seated viewing comfortable. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, a physics instruments supplier in India.

## Specifications

| Parameter | Detail |
|---|---|
| Viewing head | Binocular, 30° inclined, rotates 360° |
| Eyepieces | Widefield 10X/20mm |
| Objectives | Achromatic semi-plan 4X/0.10, 10X/0.25, 40X/0.65 and 100X/1.25 oil immersion |
| Maximum magnification | 1000x |
| Nosepiece | Revolving quadruple, with positive click-stops |
| Focusing | Coaxial coarse and fine (2 µm), with tension adjustment |
| Condenser | Spiral-mounted 1.25 N.A. Abbe condenser with iris diaphragm |
| Stage | 140 x 135mm low-position coaxial mechanical stage with sample holder |
| Stage travel (X/Y) | 77 x 25mm |
| Illumination | 3W focusable LED with intensity control |
| Product code | SLE/M/106 |
| Supplied by | Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India |

## What Is the 1000x Binocular LED Microscope Used For?

This compound microscope covers the full teaching range: the 4X and 10X objectives locate a specimen and show tissue layout, the 40X objective resolves individual cells and nuclei, and the 100X oil immersion objective brings bacteria and fine cell detail into view at 1000x. Two eyepieces reduce eye strain during long practical sessions, and the rotating head lets students on either side of a bench share the instrument.

Start every slide at the lowest power, centre the area of interest with the mechanical stage, then click up through the nosepiece and refocus with the fine control. At 100X, place a drop of immersion oil between slide and lens, and wipe the lens clean with lens tissue afterwards. Use the iris diaphragm and LED intensity control together to balance brightness and contrast.

## What to Specify When Ordering

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