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

Product Name :

Student Medical Microscope

Product Code :

SLE/M/22



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

Description :

Student Medical Microscope (Product Code: SLE/M/22) is a compound microscope with a 100x oil-immersion objective, used by medical, nursing and paramedical students to study stained smears and tissue slides in teaching laboratories. It lists 20x to 1500x magnification, a rack-and-pinion Abbe condenser (N.A. 1.25) and a mechanical stage with vernier scales for relocating a field. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India, as a compound microscope for India and international markets.

Specifications

Parameter	Detail
Magnification	20x to 1500x (listed range)
Objectives	10x and 45x (S.L.), with 100x oil immersion
Eyepieces	Huygenian 5x or 15x; wide field 10x
Nosepiece	Quadruple, revolving
Condenser	Abbe, N.A. 1.25, with iris diaphragm; focuses up and down by rack and pinion
Stage	Fixed square stage, 120 x 120 mm, with mechanical stage; travel30 x 76 mm with graduated scales and vernier
Stand	Robust and stable, inclinable through 90°
Mechanical tube length	160 mm
Focusing	Separate knobs for coarse and fine motion
Illumination	Plano-concave mirror on gimbal mount; optional attachable 20 W lamp for 220 V, or 6 V 20 W lamp with transformer
Product code	SLE/M/22
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the Student Medical Microscope Used For?

In medical, nursing and paramedical teaching labs, the Student Medical Microscope is the working instrument for practical classes in haematology, histology, microbiology and parasitology. Students scan a stained smear or section with the 10x objective, examine cell shapes with the 45x, and resolve small cells and bacteria with the 100x oil-immersion objective. The graduated mechanical stage with vernier lets a demonstrator note the position of an interesting field so every student can return to it.

For oil-immersion work, rack the Abbe condenser up close to the slide and open the iris diaphragm, then place a drop of immersion oil on the slide before swinging in the 100x objective. The choice of Huygenian 5x or 15x and wide-field 10x eyepieces lets the class balance field size against magnification. Where daylight is unreliable, the optional lamp replaces reliance on the mirro

Wha