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Product Name :

Student Microscope with Fixed Condenser

Product Code :

SLE/M/17



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Description :

Student Microscope with Fixed Condenser (Product Code: SLE/M/17) is a mirror-illuminated compound microscope used to teach slide observation from 50x to 675x in school and junior-college biology practicals. Its fixed Abbe-type condenser with iris diaphragm, 10x and 15x eyepieces and all-metal stand that inclines up to 90° suit everyday class use, and mirror lighting needs no mains point at the bench. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India, as school biology lab equipment.

Specifications

Parameter	Detail
Magnification	50x to 675x
Eyepieces	10x and 15x
Objectives	10x and 40/45x (S.L.), all achromatic
Nosepiece	Triple, revolving
Condenser	Fixed, Abbe type, with iris diaphragm
Illumination	Plano-concave mirror on gimbal mount
Stage	Full square stage, 112 x 112 mm, with stage clips
Stand	All-metal body, properly balanced; arm inclinable up to 90° for easy viewing
Focusing	Separate coarse and fine focusing knobs
Optical features	Parfocal, precentred, high numerical aperture, high resolution
Lens coating	Special coating described as unaffected by moisture, fungus, fogginess or other weather effects over time
Product code	SLE/M/17
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the Student Microscope with Fixed Condenser Used For?

This is the everyday instrument for class practicals on onion epidermis, cheek cells, leaf and stem sections and bought-in prepared slides. Students find the specimen with the 10x objective and 10x eyepiece, then swing in the 40/45x objective and change to the 15x eyepiece for detail up to 675x. Because the optics are parfocal, the image stays nearly in focus when the nosepiece turns, so only the fine knob is needed.

Lighting comes from the gimbal-mounted plano-concave mirror, which can be angled towards a window or a separate lamp; the flat face usually works best with the condenser, while the concave face helps when light is weak. Close the iris diaphragm a little to add contrast to unstained mounts, and open it for stained specimens at high power. Tilting the arm back makes long s

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