Email : sales@scilabexport.com
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Product Name :

Monocular Microscope, Tungsten

Product Code :

SLE/M/133



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Description :

Monocular Microscope, Tungsten (Product Code: SLE/M/133) is a basic student compound microscope with tungsten illumination, used for viewing prepared slides and wet mounts in school and junior college biology labs. It pairs a WF10X/18 mm eyepiece with pointer and DIN achromatic 4x, 10x and 40x objectives on a triple nosepiece with a 0.65 NA condenser and iris diaphragm. This monocular microscope for schools in India is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, a laboratory instruments supplier in India.

Specifications

Parameter	Detail
Head	Monocular
Eyepiece	WF10X/18 mm with pointer
Nosepiece	Triple
Objectives	DIN achromatic: 4x/0.10, 10x/0.25, 40x/0.65S
Condenser	0.65 NA
Diaphragm	Iris
Illumination	Tungsten
Focusing	Coarse and fine
Stage	Plain
Product code	SLE/M/133
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the Tungsten Monocular Microscope Used For?

This is a straightforward teaching microscope for standard school practicals: onion peel and cheek cells, leaf stomata, root tips, pollen, protozoa in pond water and prepared tissue slides. Students locate the specimen with the 4x/0.10 objective, move to the 10x/0.25 to see how the tissue is arranged, and finish with the 40x/0.65S for cell detail. The pointer in the eyepiece lets a teacher mark the exact structure each student should find.

Tungsten lamps run warm, so switch the light off between observations and let the microscope cool before covering or packing it away. Use the iris diaphragm with the 0.65 NA condenser to balance brightness and contrast: close it for pale, unstained cells and open it for darker stained sections. On the plain stage the slide is moved gently by hand, which quickly teaches students how the image moves under magnification.

What to Specify When Ordering

- The number of microscopes for your student batches
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