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Product Name :

Microtome

Product Code :

SLE/M/125



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Description :

Microtome (Product Code: SLE/M/125) is a hand cylinder microtome used to cut thin, even sections of plant stems, roots and other embedded material for microscope slides in botany and biology practicals. It has a 50 mm diameter cutting table with a wide flat top that guides the sectioning razor and protects the hand, and a 1 mm pitch feed screw. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India.

Specifications

Parameter	Detail
Type	Hand cylinder microtome
Cutting table	50 mm diameter; wide flat top that guides the sectioning razor and protects the hand
Central well	16 mm diameter
Feed screw	1 mm pitch, with a wide milled flange so embedded material can be advanced very gradually
Product code	SLE/M/125
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is a Hand Microtome Used For?

Free-hand sections cut with a razor are often too thick and uneven for students to see cell layers clearly. A hand microtome holds the material in its central well and raises it a little at a time with the feed screw, so each stroke of the razor across the flat table takes a thinner, more uniform slice. As a piece of botany lab equipment, it is the classic tool for transverse sections of dicot and monocot stems, roots and leaves in plant anatomy practicals.

Support soft specimens in an embedding material such as paraffin wax, or in a firm plant tissue like carrot, and fit the block in the 16 mm central well. Turn the milled flange a fraction of a turn, draw a wet razor across the table in one smooth stroke, and float each section in a watch glass of water. Stain the thinnest, most complete sections and mount them on a slide under a cover glass.

What to Specify When Ordering

- Number of microtomes, for example one per student pair
- Confirmation that the 16 mm central well suits your specimens
- Whether watch glasses, slides and cover glasses should be quoted with them

OEM Manufacturer

This hand microtome is manufactured by Jain Scientific Equipments Private Limited, trading as Scien a, Amba d impor e sourc