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Product Name :

Plant Cell Study Kit

Product Code :

SLE/EBT/13



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Description :

Plant Cell Study Kit (Product Code: SLE/EBT/13) is a microscopy kit used to prepare and examine temporary mounts of plant tissue in school and college biology practicals. It combines vials of monocot and dicot cross sections and macerated stem tissue with 90 slides, 90 cover slips, 30 transfer brushes, four bottles of stain and glycerine, making it a complete temporary slides biology kit. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India.

Specifications

Parameter	Detail
Specimen vials	Monocot cross section (1 vial); dicot cross section (1 vial); macerated stem tissues (1 vial)
Microscope slides	90
Cover slips	90
Tissue transfer brushes	30
Stain	4 drop-controlled bottles
Glycerine	1 drop-controlled bottle
Student worksheets	30
Documentation	Instruction manual with MSDS
Shelf life	Shelf life depends on the chemical, its grade and storage conditions; ask us for the expiry date of the batch you are quoted.
Product code	SLE/EBT/13
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the Plant Cell Study Kit Used For?

Working in pairs or small groups, students lift a section or a little macerated tissue from a vial onto a clean slide with a tissue transfer brush, add a drop of stain from one of the drop-controlled bottles, and then a drop of glycerine as the mounting medium. Lowering the cover slip at an angle from one edge pushes out air and avoids bubbles. Under the microscope, the monocot and dicot cross sections let learners compare how vascular tissue is arranged in the two plant groups, while the macerated stem tissue separates individual cells so their shapes and wall thickening are easy to see.

The worksheets structure observation and labelled drawing, so the kit delivers a plant cell and tissue practical without hand-cutting sections. Read the MSDS in the instruction manual before the lesson, have students wear gloves and aprons when handling stains, and keep the bottles capped between uses. Collect used slides and cover slips in a separate container for safe disposal of broken glass.

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