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

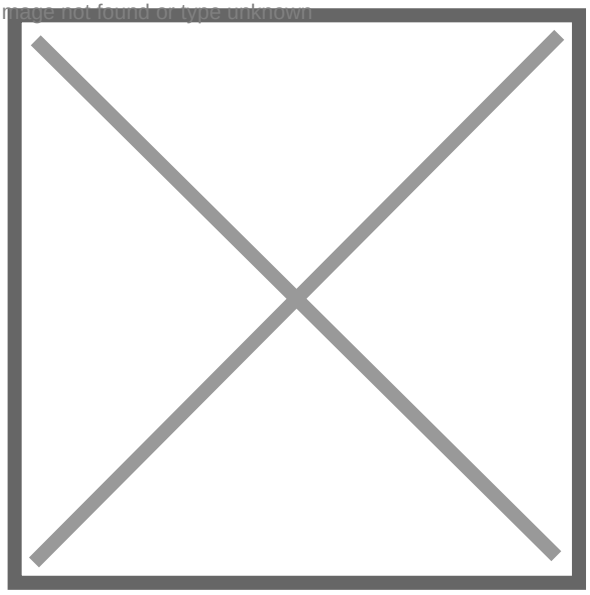
Product Name :

Prepared Microscope Slide Set – Photosynthesis and Adaptations

Product Code :

SLE/PS/111

Image not found or type unknown



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

Description :

Prepared Microscope Slide Set – Photosynthesis and Adaptations (Product Code: SLE/PS/111) is a collection of eight prepared plant slides used to show how leaves, stomata, pollen and root hairs are built for their jobs in secondary and college botany classes. Its mix of ordinary leaf sections with marram grass and fig preparations lets students compare typicalleaves with plants adapted to harsher conditions. The set is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India.

Key Details

Parameter	Detail
Leaf sections	Dicot leaf, TS; Ligustrum leaf, TS; Prunus (cherry) leaf, TS
Stomata preparations	Monocot epidermis, for stomata, E; Ficus (fig), sunken stomata
Adaptation preparation	Ammophila (marram grass)
Reproduction and roots	Pine, mature pollen grain; Vicia, young root hairs
Preparations listed	8
Figure listed against each preparation	5 (meaning not stated in the listing; slides per preparation confirmed at quotation)
Label abbreviations	TS = transverse section; E = entire (whole mount)
Product code	SLE/PS/111
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the Photosynthesis and Adaptations Slide Set Used For?

The three leaf sections are the core of a photosynthesis lesson: students identify the upper epidermis, the tightly packed palisade layer, the looser spongy tissue and the veins, then explain how each helps capture light and exchange gases. The monocot epidermis preparation shows stomata and guard cells from above, so learners can count pores or sketch their shape.

The remaining slides move the lesson towards adaptation. Marram grass is a sand-dune plant, and the fig preparation shows sunken stomata, both useful for discussing how plants limit water loss. Pine pollen introduces wind pollination, while the Vicia root-hair slide shows how roots increase their surface for absorbing water. Used with a photosynthesis experiment kit, the set links structure seen under the microscope with results measured at the bench, making it a practical piece of botany lab equipment.

What to Specify When Ordering

- How many sets you need for your practical groups.
- The number of slides of each preparation you expect, since the listing shows the figure 5
-

Sup