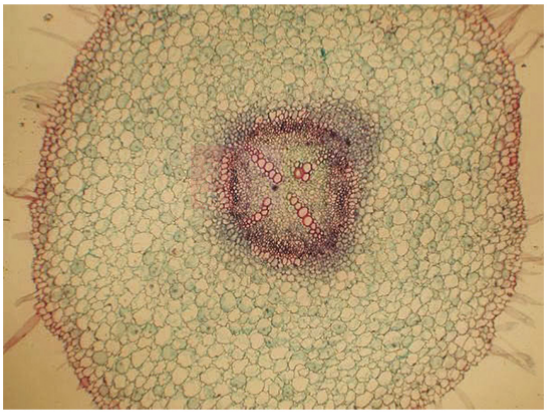
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Product Name :

Basic Plant Anatomy Slide Set

Product Code :

SLE/PS/100



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Description :

Basic Plant Anatomy Slide Set (Product Code: SLE/PS/100) is a set of 20 glass microscope slides used to study the internal structure of vascular plants in school and college botany practicals. The prepared microscope slides cover roots, stems, leaves, flowers and seeds of plants such as Vicia, Zea, Lilium, Helianthus and Tilia, so one box supports a whole plantanatomy course. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala,India.

Specifications

Parameter	Detail
Slides in the set	20 glass microscope slides
Theme	Major aspects of vascular plant structure
Roots	Vicia, root apex LS; Vicia (bean), young root TS; Helianthus (sunflower), young and old root TS
Stems	Zea (maize), stem TS and LS; Dicot, stem, apex LS; Cucurbita (marrow), stem TS and LS; Helianthus, stem, bundles TS; Helianthus, old stem TS and LS; Tilia (lime), young and old stem TS; Tilia, old stem RLS
Leaves and epidermis	Prunus (cherry), leaf TS; Ammophila (marram grass), leaf TS; Monocot, epidermis, for stomata E
Flowers and pollen	Lilium, anther TS; Lilium, ovary TS and LS; Lilium, ovary, various stages TS; Stigma with pollen tubes; Pollen grains
Seeds and embryo	Zea, seed LS; Capsella, mature cotyledon stage LS
Product code	SLE/PS/100
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

Label abbreviations: TS = transverse section, LS = longitudinal section, RLS = radial longitudinal section, E = entire (whole mount).

What Is the Basic Plant Anatomy Slide Set Used For?

Students use the set under a compound microscope to compare tissues across plant organs. Paired sections such as Zea and Cucurbita stems in both TS and LS show how vascular bundles look when cut across and along, while young and old stems of Tilia and Helianthus reveal secondary growth. The Vicia root apex and young root sections show the growing tip and the arrangement of root tissues.

For reproduction and adaptation topics, the Lilium anther and ovary slides, stigma with pollen tubes and pollen grains cover the flower, the Capsella slide shows an embryo at the mature cotyledon stage, and the marram grass leaf is a classic example of a leaf adapted to dry, windy sites. A slide box keeps the set in order, and the slides serve well as reference material in any botany lab equipment list for practical examinations.

Wha