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Product Name :

Basic Botany Slide (Set of 25)

Product Code :

SLE/BL/09



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Description :

Basic Botany Slide (Set of 25) (Product Code: SLE/BL/09) is a collection of 25 glassmicroscope slides of botanical specimens used to teach the major plant groups in school andcollege biology practicals. It runs from algae such as Chlamydomonas and Spirogyra throughmosses, liverworts and ferns to pine, maize and sunflower tissues. The set is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India, among its preparedmicroscope slides for botany teaching.

Specifications

Parameter	Detail
Number of slides	25
Slide type	Glass microscope slides with botanical specimens
Coverage	Specimens representing the major plant groups
Preparations	Whole mounts (E), transverse sections (TS), vertical sections (VS) and longitudinal sections (LS)
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Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

Slides in the set, grouped for teaching:

- **Algae:** Chlamydomonas E; Spirogyra, vegetative E; Spirogyra, conjugation E; Fucus, dioecious antheridial and oogonial conceptacles.
- **Fungi:** Mucor, conjugation; Saccharomyces (yeast) budding; Penicillium, mycelium and conidia.
- **Mosses and liverworts:** Mnium, archegonial head VS; Mnium (moss) antheridial head VS; Marchantia, developing sporogonium VS; Marchantia (liverwort) thallus, antheridia VS; Marchantia, thallus, archegonia VS.
- **Ferns:** Dryopteris (fern), pinnule with sori TS; Dryopteris prothallus with antheridia and archegonia E.
- **Gymnosperm:** Pinus (pine) leaf TS.
- **Flowering plant stems and roots:** Zea, stem TS; Zea (maize), root TS; Helianthus, stem TS; Helianthus (sunflower) young root TS; Tilia (lime) young and old stem TS; Cucurbita (marrow) stem, for sieve tubes LS.
- **Leaves, flowers, pollen and cell division:** Prunus (cherry) leaf TS; Ranunculus (buttercup) flower bud LS; Pollen grains, wind and insect distribution E; Allium (onion) root apex, mitosis LS.

What Is the Basic Botany Slide Set Used For?

The set can carry a full botany practical course. Students begin by comparing simple algae and fungi, then trace the alternation of generations in mosses, liverworts and ferns using the antheridia, archegonia, sporogonium and prothallus slides. Stem and root sections of maize and sunflower give a direct monocot and dicot comparison, while the Cucurbita LS shows the sieve tubes of the phloem.

Pine
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slide

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