Email : sales@scilabexport.com
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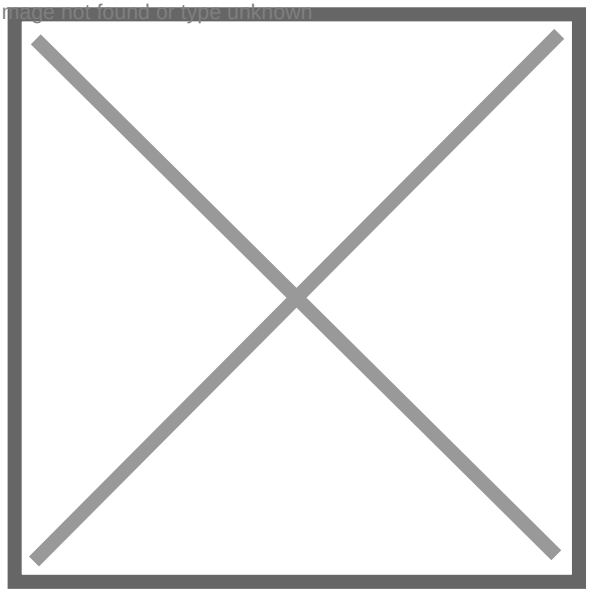
Product Name :

Section Material Root Monocot/Dicot

Product Code :

SCL527/0239

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Description :

Section Material Root Monocot/Dicot (Product Code: SCL527/0239) is botanical root specimen material, provided in a glass specimen jar, used to cut thin transverse sections for comparing monocot and dicot root anatomy in school and college botany laboratories. Students prepare, stain and mount their own sections from this lab specimen before examining them under the microscope, a core plant anatomy practical. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India.

Key Details

Parameter	Detail
Type	Specimen (botanical section material)
Plant part	Root (monocot / dicot, as named)
Supplied as	Specimen provided in a glass specimen jar
Used in	Laboratory
Product code	SCL527/0239
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the Root Section Material Used For?

Students take a short piece of root from the jar, rinse it in water and cut very thin transverse sections with a sharp blade, keeping the material wet throughout. The thinnest sections go into a watch glass for staining, and the clearest one is mounted in a drop of glycerine under a coverslip for the microscope. Hand sectioning of this kind is a standard exercise in plant anatomy and needs only the basic botany lab equipment found in most school laboratories.

Under the microscope both root types show an epidermis, a wide cortex, an endodermis and a pericycle surrounding radial vascular bundles, with xylem and phloem on alternate radii. The differences are what students are asked to record: a dicot root has relatively few xylem strands and little or no pith, while a monocot root has many xylem strands arranged around a large central pith. Rinse each piece before cutting and keep the jar lid closed between uses.

What to Specify When Ordering

- Whether the practical needs monocot root material, dicot root material or both, so we can confirm what each jar contains.
- The number of jars, based on how many students or groups will cut sections.
- Any prepared root slides, stains, slides or coverslips you want quoted together with the specimen.

Supplier

Jain Scientific Equipments Private Limited, which trades as ScienceLab from Ambala, Haryana, India, supplies this root section material to schools, colleges and dealers along with the slides, stains and jar siz ne comp

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