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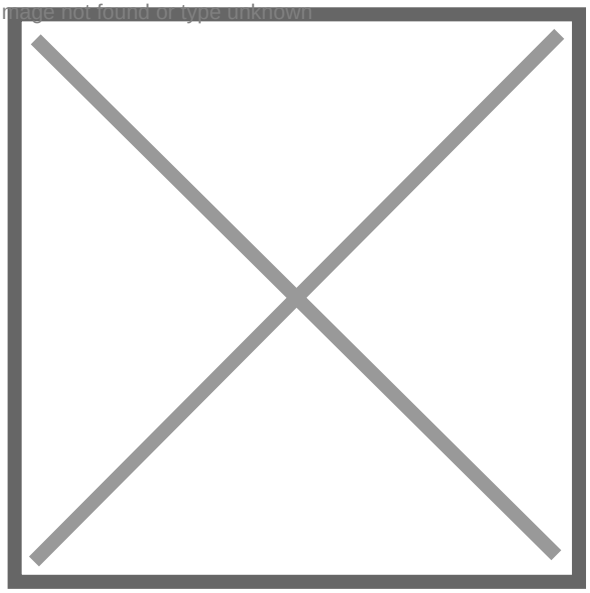
Product Name :

Ts Of Dicot Root

Product Code :

SCL472/0151

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Description :

Ts Of Dicot Root (Product Code: SCL472/0151) is a microscope slide carrying a transverse section of a dicotyledonous root, used to teach how roots are built to absorb and conduct water in plant anatomy classes. Unlike a stem, the root has xylem and phloem in separate, alternating strands arranged like wheel spokes, and students learn this radial pattern on a clear borosilicate glass slide kept in a white plastic box. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India, with its range of prepared microscope slides.

Key Details

Parameter	Detail
Specimen	Dicot root, transverse section
Slide	Clear borosilicate glass
Storage box	Plastic, white, rectangular
Application	Laboratory use
Product code	SCL472/0151
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the Dicot Root Section Slide Used For?

On the section, students trace the epiblema (the outer layer that bears root hairs), a wide parenchymatous cortex, a distinct endodermis with thickened Casparian strips, the pericycle and the central vascular cylinder. The xylem is exarch, meaning the oldest xylem lies towards the outside, and the pith is small or missing. Asking students why a root needs a well-developed endodermis connects structure with water uptake.

Placed beside a monocot root, the slide highlights how the number of xylem strands and the size of the pith differ between the two groups. After viewing, return it to its plastic box and clean it with lens tissue only; it is a reliable teaching aid for plant anatomy units in school biology lab equipment.

Supplier

Jain Scientific Equipments Private Limited runs its business under the ScienceLab name from Ambala, Haryana, and supplies slides, charts and apparatus to teaching institutions in India and international markets. Find out more on our company profile.

Related Biology Lab Equipment

Useful companions for a root anatomy practical:

- Ts Of Monocot Root — for comparing xylem strands and pith size.
- Ts Of Dicot Stem — to contrast radial root bundles with the stem's ring of bundles.
- Section Material Root Monocot/Dicot — root specimens in a glass specimen jar for

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