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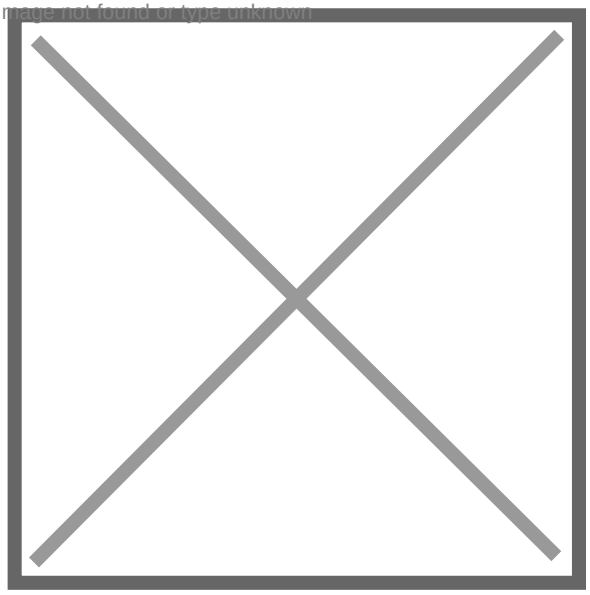
Product Name :

Monocotyledons and Dicotyledons, Roots, Cross-Section

Product Code :

SCL431/0115

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Description :

Monocotyledons and Dicotyledons, Roots, Cross-Section (Product Code: SCL431/0115) is a prepared microscope slide used to compare the internal anatomy of monocot and dicot roots in plant biology practicals. Botany students use it to contrast how vascular tissue is arranged in the two plant groups, shown as a coloured preparation on borosilicate glass. A core piece of botany lab equipment for anatomy courses, it is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, a laboratory equipment supplier in India.

Specifications

Parameter	Detail
Specimens	Monocotyledon and dicotyledon roots
Section	Cross-section
Slide material	Borosilicate glass
Preparation	Coloured
Box	Plastic, white, rectangular
Listed dimensions	25.4 mm x 76.2 mm (1 x 3 in)
Used in	Laboratory
Product code	SCL431/0115
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the Monocot and Dicot Root Slide Used For?

Root cross-sections are the standard way to teach how monocots and dicots differ below ground. In a typical dicot root, students look for a compact central core of xylem arranged in a star-like pattern with phloem between its arms, while a typical monocot root shows many xylem and phloem groups in a ring around a central pith. Both show an outer epidermis, a wide cortex and an endodermis enclosing the vascular cylinder.

Ask students to draw both sections side by side and list the differences in a table — a quick way to prepare for practical examinations. View the whole outline at low power, then use a higher objective for the endodermis and xylem.

Supplier

Jain Scientific Equipments Private Limited trades as ScienceLab and supplies this root section slide from Ambala, Haryana, as part of its range of botany preparations. Plant anatomy teachers can request root, stalk and leaf slides together so the full monocot–dicot comparison is covered in one order. Visit the ScienceLab profile for company information.

Related Laboratory Equipment

These