Email : sales@scilabexport.com
Phone: +91-7082934803

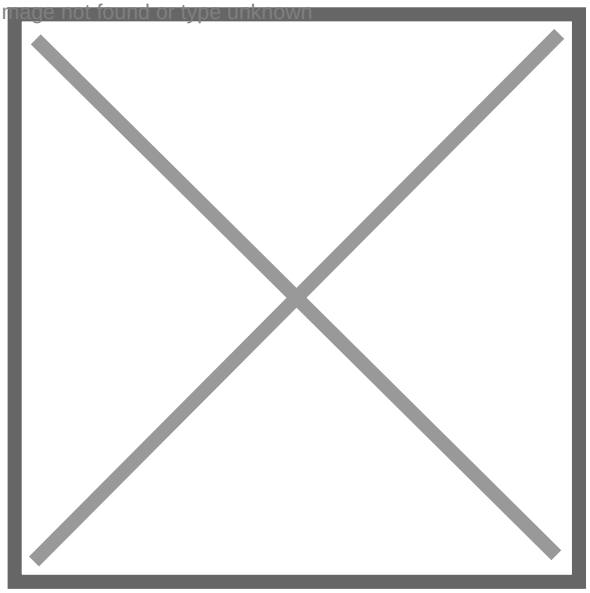
Product Name :

Sclerenchyma

Product Code :

SCL480/0158

Image not found or type unknown



Email : sales@scilabexport.com
Phone: +91-7082934803

Description :

Sclerenchyma (Product Code: SCL480/0158) is a microscope slide of sclerenchyma, the hard, thick-walled tissue that gives plants mechanical strength, used in botany practicals on simple permanent tissues. It helps students recognise lignified cells and understand how stems, seed coats and the gritty flesh of some fruits resist bending and crushing; the slide is clear borosilicate glass packed in a white plastic box. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India, for teaching collections of prepared microscope slides.

Key Details

Parameter	Detail
Tissue shown	Sclerenchyma
Glass	Borosilicate, clear
Storage	Rectangular white plastic box
Used in	Laboratory
Product code	SCL480/0158
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the Sclerenchyma Slide Used For?

Sclerenchyma occurs in two forms: long, tapering fibres and short, irregular sclereids (stone cells). In both, the walls are heavily lignified and the mature cells are dead, so the central cavity often looks narrow or empty and fine pit canals may run through the wall. During a practical, students first find the thickest-walled cells at low power, then use high power to compare wall thickness with the size of the lumen.

This slide works well as the final step in a simple-tissue sequence after parenchyma and collenchyma, and it links forward to xylem, which contains fibres of its own. Keep the three simple-tissue slides together in labelled boxes, clean any smudges with lens tissue, and avoid pressing the objective lens onto the glass when focusing at high power.

Supplier

Jain Scientific Equipments Private Limited, known by its brand name ScienceLab, supplies this slide from Ambala, Haryana, India, to institutional buyers in India and international markets. The company profile describes the company and the range it supplies.

Related Biology Lab Equipment

Pair this slide with these items from the same practical:

- Parenchyma — thin-walled living tissue for comparing wall thickness.
- Collenchyma — the intermediate tissue with unevenly thickened walls.
- Xylem — vascular tissue that also contains lignified fibres.