Email : sales@scilabexport.com
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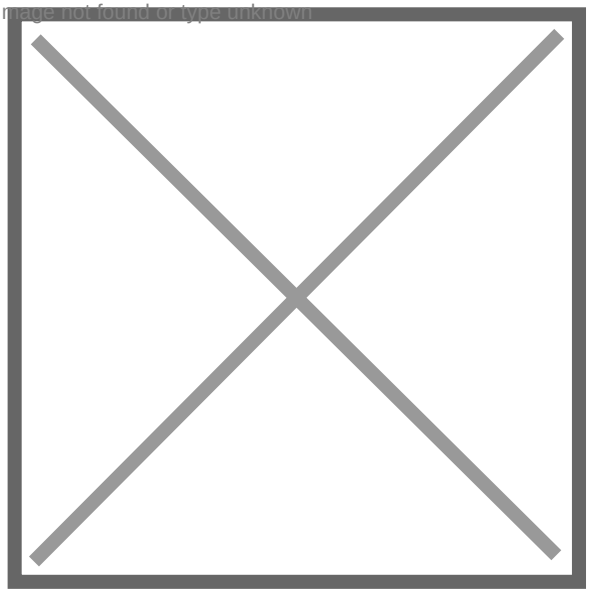
Product Name :

Xylem

Product Code :

SCL482/0160

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Description :

Xylem (Product Code: SCL482/0160) is a microscope slide of xylem, the vascular tissue that carries water and dissolved minerals from the roots to the leaves, used in plant physiology and anatomy classes. It gives secondary and college students a direct look at the lignified, tube-like elements behind transpiration and the ascent of sap, on clear borosilicate glass stored in a white plastic box. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India, alongside its plant biology lab equipment.

Key Details

Parameter	Detail
Tissue	Xylem (water-conducting vascular tissue)
Slide material	Clear borosilicate glass
Box material	Plastic
Box finish	White, rectangular
Application	Laboratory
Product code	SCL482/0160
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the Xylem Slide Used For?

Xylem is a complex tissue made of four kinds of cells: tracheids, vessels, xylem fibres and xylem parenchyma. Only the parenchyma is living; the conducting elements are dead, hollow and strengthened by lignin laid down as rings, spirals, ladder-like bars, networks or pitted walls. With this slide students identify the wide vessels, the narrower tracheids and the thick-walled fibres, and relate each to conduction or support.

Teachers often show the slide right after a potometer demonstration, a classic transpiration experiment, so learners can see the pathway the water has just travelled. It also pairs naturally with a phloem slide, allowing both conducting tissues to be compared in one lesson. Focus slowly with the fine adjustment to pick out wall thickenings, and keep the slide boxed and dry in storage.

Supplier

Jain Scientific Equipments Private Limited supplies laboratory teaching products under its ScienceLab trade name from Ambala, Haryana, India, for buyers in India and international markets. Our company profile explains more about the business.

Related Biology Lab Equipment

Items that support a lesson on water transport in plants:

- Phloem — the food-conducting tissue, for comparison with xylem.
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