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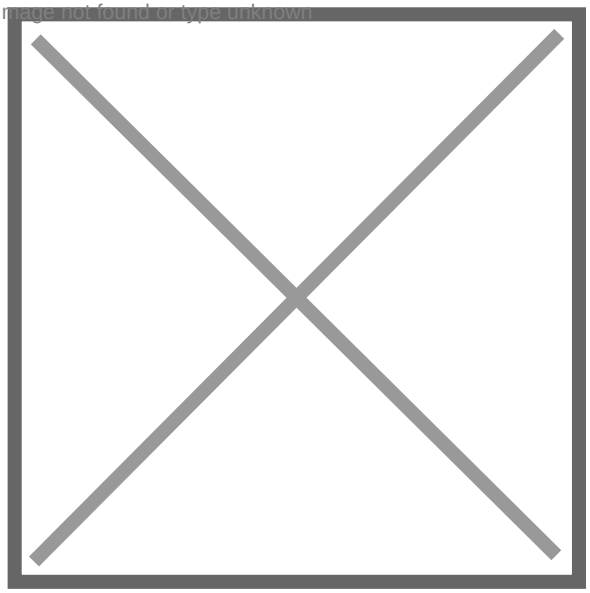
**Product Name :**

Phloem

**Product Code :**

SCL483/0161

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# Description :

**Phloem** (Product Code: SCL483/0161) is a prepared slide of phloem, the vascular tissue that moves sugars and other food materials from the leaves to the parts of a plant that use or store them, used to teach translocation. Secondary school and college students use it to identify sieve tubes and their companion cells, on clear borosilicate glass stored in a white plastic box. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India, as practical biology lab equipment for schools.

## Key Details

| Parameter | Detail |
|---|---|
| Tissue | Phloem (food-conducting vascular tissue) |
| Slide | Borosilicate glass |
| Slide colour | Clear |
| Storage box | White plastic, rectangular |
| For use in | Laboratory |
| Product code | SCL483/0161 |
| Supplied by | Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India |

## What Is the Phloem Slide Used For?

In flowering plants phloem consists of sieve tube elements, companion cells, phloem parenchyma and phloem fibres. The sieve tube elements are joined end to end through perforated sieve plates and lose their nucleus as they mature, relying on the narrow, densely filled companion cells beside them. On this slide students practise telling the thin-walled conducting cells from the thicker-walled fibres, and learn why phloem, unlike xylem, must stay alive to work.

Among high school biology lab equipment, the phloem slide is best used with a xylem slide or a stem section, so a class can locate both tissues within a vascular bundle. Ask learners to mark the direction of sugar movement from a leaf (source) to a root or fruit (sink) on their drawings. Wipe off fingerprints with lens tissue before viewing, because smudges blur the fine sieve-plate detail.

## Supplier

ScienceLab is the trading name of Jain Scientific Equipments Private Limited, based in Ambala, Haryana, India, which supplies prepared slides and biology apparatus to institutions in India and international markets. For vendor registration, the supplying company is Jain Scientific Equipments Private Limited (CIN U29309HR2020PTC087597, GSTIN 06AAECJ8618A1ZT). More background is on the company profile.

## Related Biology Lab Equipment

Reco

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