Email : sales@scilabexport.com
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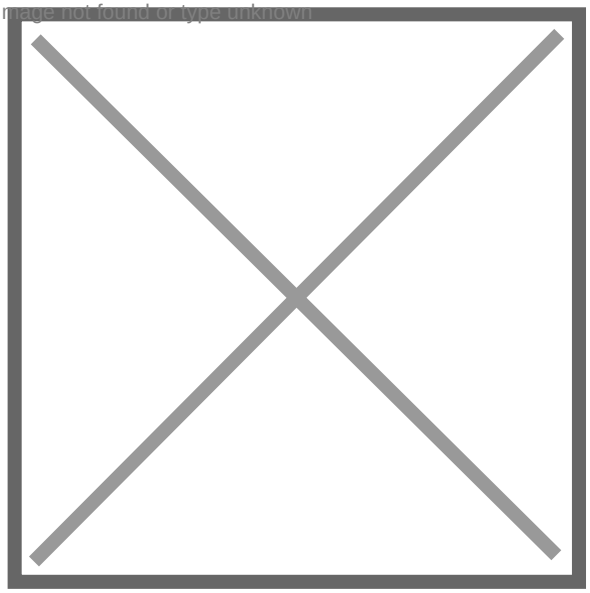
Product Name :

Section Material Stem Monocot/Dicot

Product Code :

SCL528/0240

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Description :

Section Material Stem Monocot/Dicot (Product Code: SCL528/0240) is botanical stem specimen material, provided in a glass specimen jar, used to cut transverse sections that show how vascular bundles are arranged in monocot and dicot stems. School and college botany departments use it in plant anatomy practicals, where students prepare their own stem sections and compare them with prepared slides. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, among its school biology lab equipment in India.

Key Details

Parameter	Detail
Type	Specimen (botanical section material)
Plant part	Stem (monocot / dicot, as named)
Supplied as	Specimen provided in a glass specimen jar
Used in	Laboratory
Product code	SCL528/0240
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the Stem Section Material Used For?

The comparison students are looking for becomes clear once a good section is cut. In a dicot stem the vascular bundles form a ring, each one open, with cambium between the xylem and phloem, and there is a distinct cortex outside the ring and a pith inside it. In a monocot stem the bundles are scattered through the ground tissue, each closed (without cambium) and wrapped in a bundle sheath, with no clear division into cortex and pith.

For clean sections, cut with a single smooth stroke, keep both material and blade wet, and collect the sections in water so the thinnest can be lifted out with a fine brush. Double staining helps to separate lignified from unlignified tissue. As plant biology lab equipment, this stem material is most useful when the class also has prepared slides to compare against. Rinse each piece before cutting and replace the jar lid promptly.

What to Specify When Ordering

- Whether you need monocot stem material, dicot stem material or both, so we can confirm what each jar contains.
- The number of jars for your class or practical examination batch.
- Any prepared stem slides, stains, coverslips or mounting medium to be quoted together with the specimen.

Supplier

The stem section material is supplied by Jain Scientific Equipments Private Limited, the Ambala, Haryana company that trades as ScienceLab. It sources specimen material for botany practicals and c n a single

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