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

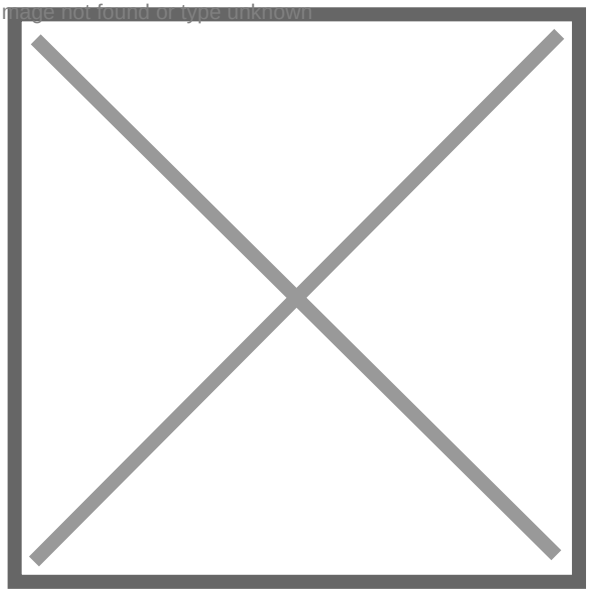
**Product Name :**

Root Pressure Apparatus

**Product Code :**

“SCL226/035”

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## Description :

**Root Pressure Apparatus** (Product Code: SCL226/035) is a borosilicate glass demonstrationset used to show root pressure — the push that drives water from the roots into the cut stem of awell-watered plant — in school and college botany practicals. It lets students see this part ofwater transport directly rather than only reading about it. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer of school biology lab equipment inIndia, at its own factory in Ambala, as one of its biology teaching aids.

### Key Details

| Parameter | Detail |
|---|---|
| Type | Plant physiology demonstration apparatus |
| Material | Borosilicate glass |
| Purpose | Demonstrating root pressure in a potted plant |
| Suitable for | School and college botany practicals |
| Supplied as | Please confirm the set contents with us before ordering |
| Product code | SCL226/035 |
| Manufacturer | Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM |
| Country of origin | India (made in Ambala, Haryana) |

### What Is the Root Pressure Apparatus Used For?

It is used to prove that roots can push water upward without help from the leaves. A soft-stemmed potted plant is watered well, and the stem is cut close to soil level. A glass tube is joined to the cut stump with rubber tubing, filled with a little water and clamped upright, and the starting level is marked. Over the following hours the water level rises as the roots push sap into the tube.

Make the joint airtight, keep the soil moist throughout and start the demonstration early in the day so the rise can be checked later the same day. Many teachers run it alongside a potometer so that pull from the leaves and push from the roots can be compared, and schools equipping a botany lab can order it directly from the manufacturer together with the rest of their plant physiology apparatus.

### OEM Manufacturer

ScienceLab is the trading name of Jain Scientific Equipments Private Limited, the OEM that makes this root pressure set at its own licensed factory at Saha, Ambala, Haryana, India. Because the glasswork comes from the manufacturer rather than a trader, schools, colleges, dealers and importers receive quotations straight from the source, and can ask us about replacement glass parts or repeat orders. Read more on the company profile.

### Rela

Items