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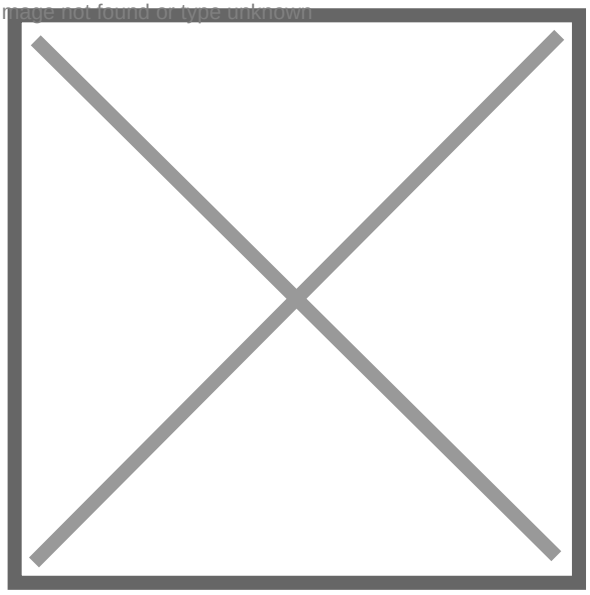
Product Name :

Kit for Demonstrating the Absorption of Mineral Salts in Plants

Product Code :

SCL229/015

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Description :

Kit for Demonstrating the Absorption of Mineral Salts in Plants (Product Code: SCL229/015) helps students show that plants take up dissolved minerals through their roots and need them for healthy growth. It contains mineral salts and two 250 ml Erlenmeyer flasks, enough for a side-by-side comparison of a plant grown with nutrients and one grown without. The kit is a simple plant growth experiment kit for school biology and is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India.

Specifications

Parameter	Detail
Contents	Mineral salts; two Erlenmeyer flasks
Flask capacity	250 ml each
Purpose	Demonstrating absorption of mineral salts by plants

Typical Use

A typical water-culture set-up fills one 250 ml Erlenmeyer flask with a solution of the mineral salts and the other with distilled water only. A seedling of similar size is supported in the neck of each flask with its roots in the liquid, and students record height, leaf colour and root growth over several weeks; the plant without minerals usually shows paler, weaker growth.

Covering the flasks with dark paper keeps light off the roots and reduces algae, and topping up with the same solution keeps the comparison fair. For project work in the botany lab, the idea can be extended by testing individual missing elements, as in the Sachs water-culture method. Ask us which salts are supplied and in what quantity so you can prepare solutions for your class size.

Manufacturer

Jain Scientific Equipments Private Limited, an Ambala, Haryana manufacturer that trades as ScienceLab, offers this kit alongside other school apparatus for plant biology and general science. Company information is on the ScienceLab company profile.

Related Laboratory Equipment

Items that extend mineral nutrition and water-transport lessons:

- Sach's Water Culture Mineral Deficiency — culture material for the deficiency version of the experiment
- Conical Jar (Erlenmeyer) 250 ml — extra flasks to grow more plants or repeat treatments
- Kit for Demonstration of Transpiration in Plants — shows the water flow that carries minerals up the stem
- Cross Section of the Root — a root anatomy model for explaining uptake
- Kit for Demonstrating Root Pressure — a related demonstration of root function

Find more plant nutrition apparatus in the Laboratory Equipment category.

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