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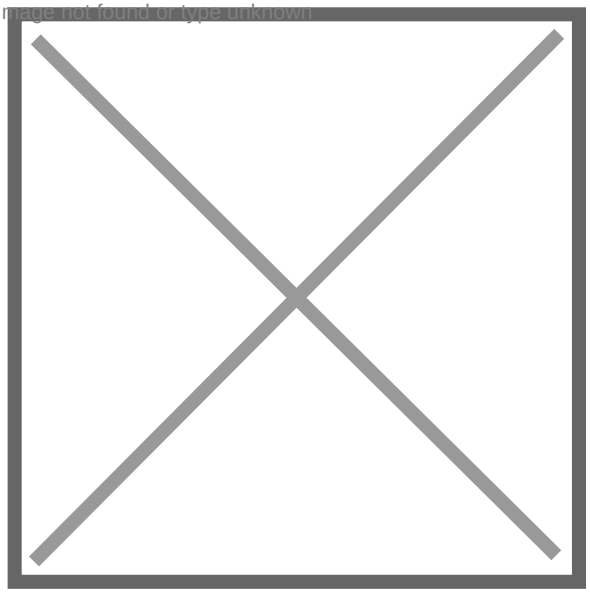
Product Name :

Apparatus for Photosynthesis 1

Product Code :

SCL235/018

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Description :

Apparatus for Photosynthesis 1 (Product Code: SCL235/018) is a panel-mounted gascollection apparatus used to measure and collect the gas given off by aquatic plants duringphotosynthesis in biology classrooms and college laboratories. A calibrated capillary tube showshow much gas has been produced, while plastic syringes on a 190 × 150 mm plastic panel drawthe gas off for analysis. **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEMmanufacturer, produces it at its own factory in Ambala, India.

Specifications

Parameter	Detail
Purpose	Measurement and collection of gas evolved by aquatic plants during photosynthesis
Measuring element	Calibrated capillary tube
Gas withdrawal	Plastic syringes, for drawing off the gas for analysis
Mounting panel	Plastic, 190 × 150 mm
Product code	SCL235/018
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Photosynthesis Gas Collection Apparatus Used For?

A sprig of pondweed or another aquatic plant is placed in water under a lamp, and the bubbles it releases are guided into the calibrated capillary tube. Students read the length of the gas column at timed intervals, then change one factor at a time — lamp distance, light colour or carbon dioxide supply — to see how the rate of photosynthesis responds.

Once enough gas has gathered, the plastic syringes draw it off so it can be tested, for example with a glowing splint to show that it is rich in oxygen. This makes the apparatus a useful piece of school biology lab equipment for both secondary-school rate investigations and senior plant physiology work. Allow the plant a few minutes to adjust to each new light setting before recording results.

OEM Manufacturer

Jain Scientific Equipments Private Limited, known by its trading name ScienceLab, is the OEM (original equipment manufacturer) of Apparatus for Photosynthesis 1. The capillary tube, syringes and plastic panel are put together at the company's licensed factory at Saha, Ambala, Haryana, India, and the finished apparatus goes factory-direct to schools, colleges, institutions and dealers. If a syringe or the capillary needs replacing later, ask us — the manufacturer handles such requests itself.

More about the company is on the ScienceLab profile page.

Rela

Teac

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