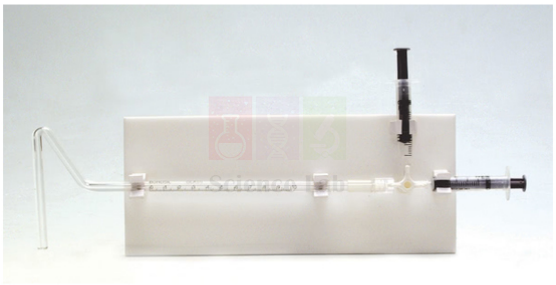
Email : sales@scilabexport.com
Phone: +91-7082934803

Product Name :

Photosynthesis Apparatus

Product Code :

SLE/EBT/19



Description :

Photosynthesis Apparatus (Product Code: SLE/EBT/19) is a panel-mounted teachingapparatus used to measure and collect the gas evolved by aquatic plants during photosynthesisin school and college biology laboratories. Students read the gas volume in a calibrated capillarytube and draw the gas off for analysis with plastic syringes, all fixed on a compact 190mm x150mm plastic panel. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEMmanufacturer and biology lab equipment supplier in India, at its own factory in Ambala, as aphotosynthesis experiment kit for class practicals.

Specifications

Parameter	Detail
Purpose	Measurement and collection of gas evolved by aquatic plants during photosynthesis
Mounting	Plastic panel
Size	190mm x 150mm (19 cm x 15 cm)
Gas measurement	Calibrated capillary tube
Gas sampling	Plastic syringes for drawing off the gas for analysis
Product code	SLE/EBT/19
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Photosynthesis Apparatus Used For?

The apparatus turns the rate of photosynthesis into a number students can record. A freshly cut sprig of pondweed is placed in water in the apparatus and lit by a lamp; as the plant photosynthesises it gives off gas, which collects in the calibrated capillary tube where the length of the gas column is read over a fixed time. Repeating the reading with the lamp at different distances, or with the water at different temperatures, turns a simple observation into an investigation of limiting factors with results that can be graphed and compared between groups.

Once enough gas has collected, the plastic syringes let students draw it off so it can be analysed separately. For steadier data, allow the plant a few minutes to settle under each new condition before timing, keep the water temperature constant when light is the variable, and use a stem with a freshly cut end. As a piece of plant biology lab equipment it suits both class practicals and coursework investigations.

OEM Manufacturer

ScienceLab is the trading name of Jain Scientific Equipments Private Limited, the OEM (original equipment manufacturer) of this Photosynthesis Apparatus. The company produces it at its own licensed factory at Saha, Ambala, Haryana, India, and sells it factory-direct to schools, colleges, deale

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