Email : sales@scilabexport.com
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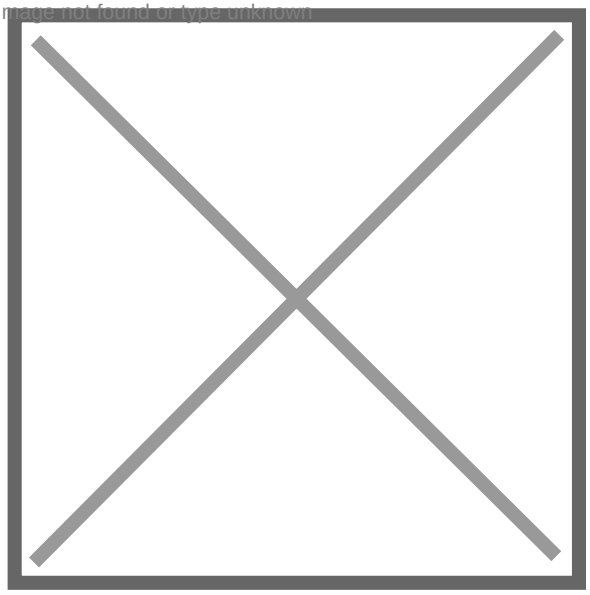
Product Name :

Kit for Demonstrating Seed Respiration in Germination

Product Code :

SCL219/010

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Description :

Kit for Demonstrating Seed Respiration in Germination (Product Code: SCL219/010) is a plant physiology kit for showing students that seeds become metabolically active as they germinate and begin to respire, taking in oxygen and releasing carbon dioxide and heat. It gives biology teachers a hands-on way to connect the germination topic with cellular respiration, and it fits well as a seed germination kit for school labs. It is manufactured by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, a laboratory equipment supplier in India.

Key Details

Parameter	Detail
Type	Demonstration kit for plant physiology
Purpose	Showing respiration in germinating seeds
Supplied as	Kit (please confirm the component list with us before ordering)
Suitable for	School and college biology lessons on germination and respiration

Typical Use

In the classic form of this experiment, soaked seeds that have just begun to sprout are placed ina closed container and compared with a control of boiled seeds. Students then look for signs that only the living seeds are respiring: carbon dioxide turning an indicator such as lime water milky, a rise in temperature, or a drop in the volume of air as oxygen is used.

Pulses, wheat or maize seeds soaked overnight usually give reliable results, and keeping both containers at the same room temperature makes the comparison fair. The lesson also works as a plant growth experiment kit activity for project work, with students recording observations over several days. Because this listing does not state the component list, please ask us what is included so you can plan any extra glassware or indicator solution.

Manufacturer

ScienceLab is the trading name of Jain Scientific Equipments Private Limited, a manufacturer of teaching apparatus based in Ambala, Haryana, serving schools, colleges and education departments. Learn more on the company profile page.

Related Laboratory Equipment

Related kits and supplies for germination and respiration lessons:

- Kit for Demonstrating CO2 Emission and Heat Production in Germinating Seeds — a kit that tracks both carbon dioxide and temperature from sprouting seeds
- Kit for Demonstrating Plant Respiration — a stand-and-glass set-up for respiration in other plant material
- Lime Water — a carbon dioxide indicator for the living-versus-boiled seed comparison
- Laboratory Thermometer — for recording the warmth given off by germinating seeds
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