Science Lab

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Product Name :

Field Microscopy Kit

Product Code :

SCL209/05

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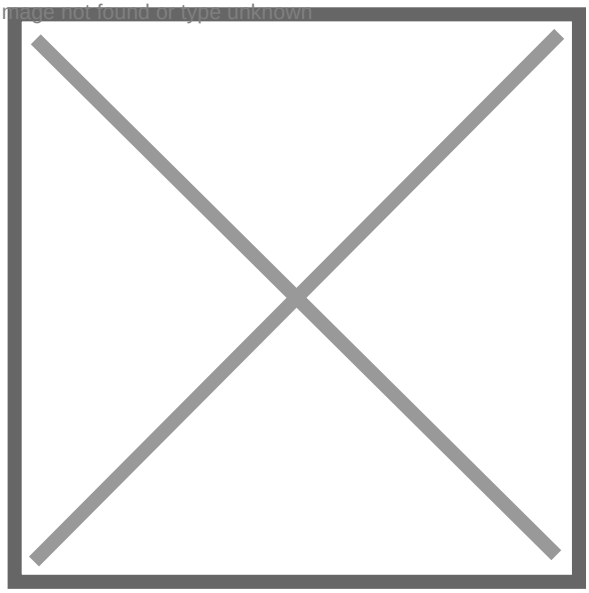

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Description :

Field Microscopy Kit (Product Code: SCL209/05) is a take-along set for collecting andexamining the microorganisms that live in freshwater ponds, streams and tanks. It pairs a 400xmonocular microscope with a water collector, glass dropper bottle, magnifying glass, 50 slidesand 200 cover slips, giving students what they need to go from water sample to wet mount.Designed as a microscopy starter kit for schools and environmental clubs, it is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India.

Specifications

Parameter	Detail
Intended for	Microorganisms living in freshwater
Microscope	Monocular, 400x
Sampling	Water collector; glass dropper bottle
Magnifier	Magnifying glass
Slides	50 pieces (listed as “lama”)
Cover slips	200 pieces (listed as “lamellae”)
Petri dish	Plastic, Ø60 mm

Typical Use

Students fill the water collector at the edge of a pond or from a stream, let the sample settle in the plastic Petri dish, and scan it first with the magnifying glass to spot larger organisms and clumps of algae. A drop taken with the dropper is placed on a slide, covered with a cover slip and viewed under the 400x monocular microscope, where protozoa, algae and small invertebrates such as water fleas become visible.

Because the kit carries 200 cover slips for 50 slides, fragile cover slips can be replaced freely while slides are cleaned and reused. For an environmental science lesson, compare samples from still and running water, or from clean and polluted sites, and record which organisms appear. Rinse slides and the dish in clean water after use and let them dry before packing.

Manufacturer

Jain Scientific Equipments Private Limited, known to customers as ScienceLab, manufactures school and college science apparatus in Ambala, Haryana, and its biology range includes field kits like this one. The about-the-company page gives background on the business.

Related Laboratory Equipment

Consumables and companion items for freshwater microscopy:

- Lama — spare glass slides when the kit’s own supply runs short
- Lame
- Dyes transparent organ
- Water