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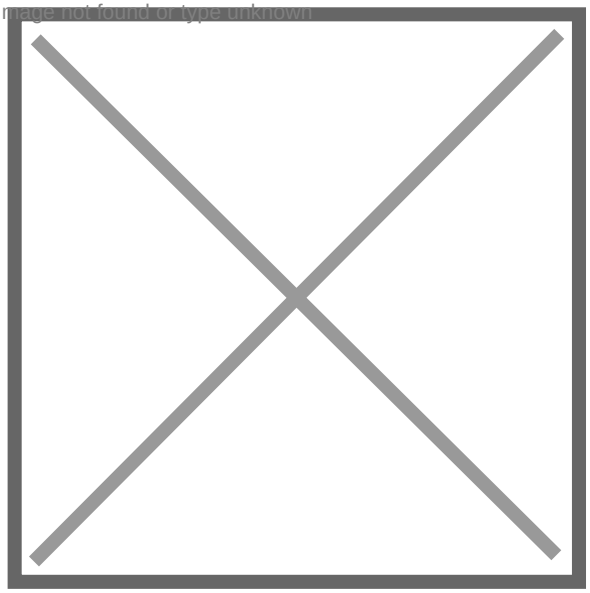
Product Name :

Microscope for Dissection

Product Code :

SCL203/02

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Description :

Microscope for Dissection (Product Code: SCL203/02) is a low-power dissecting microscope that magnifies a specimen up to 20X while leaving room on the stage for both hands to work with needles and forceps. It is used in school and college biology practicals for dissecting flowers, seeds, insects and other small specimens, and a jointed revolving arm lets the lens sweep across the stage instead of the student moving the specimen. This piece of biology lab equipment is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India.

Specifications

Parameter	Detail
Magnification	Up to 20X
Illumination	Reflected light from a plano-concave mirror in a fork mount
Mirror diameter	40–50 mm
Base	Round base, designed for greater stability
Lens arm	Jointed revolving arm that moves the magnifying lens over the stage, so the whole stage area can be scanned
Focusing	Rack and pinion
Hand rests	Detachable rests on either side of the stage to steady the handsduring fine dissection

Typical Use

A typical practical starts with the specimen in a small dish or on a pad at the centre of the stage. Students tilt the mirror towards a window or bench lamp until the field is evenly lit, focus with the rack and pinion, and then swing the lens arm to follow the part they are cutting or separating. At up to 20X the view suits floral parts, seed structure, insect mouthparts and legs, and the organs of small preserved animals, where a compound microscope would show too small an area.

The detachable hand rests make a real difference during fine work such as teasing apart a flower or removing an insect wing, because wrists can rest at stage height rather than hovering. Paired with a dissection set for biology practicals, the microscope lets a group take turns on one specimen without disturbing it. Use the plane side of the mirror in bright light and the concave side when light is weak, and wipe the stage after work with preserved material.

Manufacturer

ScienceLab is the name under which Jain Scientific Equipments Private Limited makes and sells laboratory apparatus from Ambala, Haryana, and its biology range includes dissecting and teaching microscopes such as this one. Details of the company and its range are on the company profile page.

Related Laboratory Equipment

Items

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