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

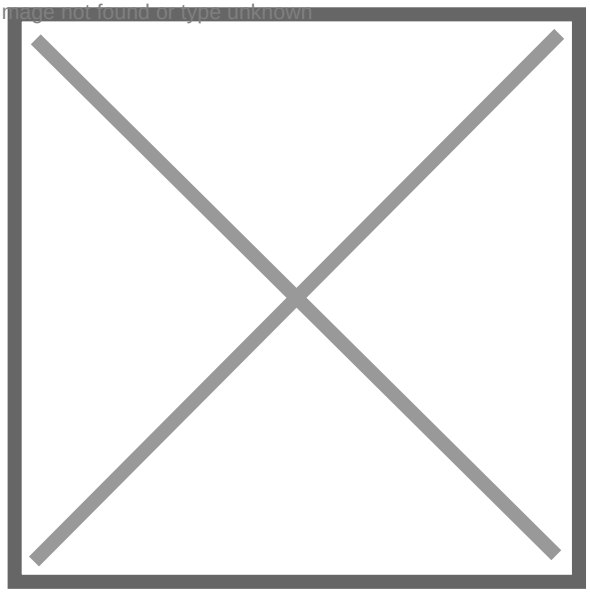
Product Name :

Amoeba

Product Code :

SCL458/0181

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Description :

The Amoeba slide is a prepared microscope slide of Amoeba, the free-living freshwater protozoan, mounted on clear borosilicate glass and kept in a white rectangular plastic box. Biology classes use it to study how one cell lives as a complete animal, to find its pseudopodia and organelles, and to practise locating a small specimen with no fixed shape.

Amoeba slide specifications

Parameter	Detail
Type	Prepared microscope slide (protozoan)
Organism	Amoeba, free-living
Glass	Borosilicate, clear
Box	Rectangular plastic box, white
Purpose	Laboratory study of protozoan cell structure and locomotion
Product code	SCL458/0181
Minimum order	10 units
Dispatch	Usually within 7 to 10 working days
Supplied by	ScienceLab (Jain Scientific Equipments Pvt Ltd), Ambala, India

Practical work with the Amoeba slide

Finding and drawing the cell. Students scan the slide on low power of a monocular biological microscope, centre a cell and only then turn to high power. They draw what they see and label the nucleus, the clear ectoplasm, the granular endoplasm, the food vacuoles, the contractile vacuole and the pseudopodia.

Three ways to move. Set the slide beside the Paramecium and Euglena slides. Students note how each cell moves, by pseudopodia, cilia or a flagellum, and how it gets food, then check their table against the Protozoa wall chart.

Harmless and harmful amoebae. Compare the free-living amoeba with an Entamoeba histolytica slide, a parasite of the human intestine. The Entamoeba life cycle chart then shows how cysts in contaminated food or water carry the parasite from one person to the next.

Two cells that engulf. After the amoeba, students look at a human blood smear and find the white cells. The class discusses how some white cells take in bacteria by the same flowing action that the amoeba uses to capture its food.

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Phone: +91-7082934803