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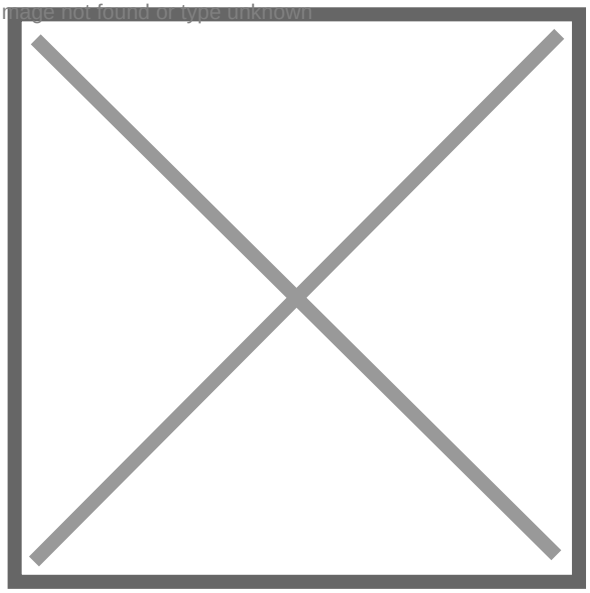
Product Name :

Paramecium

Product Code :

SCL454/0177

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Description :

Paramecium (Product Code: SCL454/0177) is a prepared microscope slide of Paramecium, the slipper-shaped ciliate protozoan, used to teach how a single cell feeds, moves and controls its water balance in school and college biology practicals. Its cilia, oral groove and two kinds of nucleus make it the first protozoan many students study in detail. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India, for secondary schools, colleges and teacher-training institutes.

Key Details

Parameter	Detail
Product	Prepared microscope slide
Organism	Paramecium (ciliate protozoan)
Glass	Borosilicate, clear
Packaging	Rectangular white plastic box
Application	Laboratory study of protozoan structure and function
Product code	SCL454/0177
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the Paramecium Slide Used For?

At low power the organism appears as a small, elongated slipper with one blunt end and one more pointed end. Moving to high power, students trace the oral groove leading to the cell mouth (cytostome), look for food vacuoles in the cytoplasm, and pick out the large bean-shaped macronucleus with the much smaller micronucleus beside it. The contractile vacuoles, one towards each end, may show their star-like radiating canals, and the fringe of cilia around the margin becomes easier to see when the light is turned down.

Teachers use the slide to explain osmoregulation in freshwater organisms — why contractile vacuoles are needed at all — and to introduce binary fission and conjugation as the ways Paramecium reproduces. Setting it beside an Amoeba slide shows two contrasting answers to movement: cilia versus pseudopodia. A labelled high-power drawing of the cell is a standard record exercise, which is why this organism is a core item among the prepared microscope slides kept for protozoa practicals.

Supplier

This Paramecium slide is supplied by Jain Scientific Equipments Private Limited, known to customers by its trading name ScienceLab and based in Ambala, Haryana, India. It supplies protozoa slides to institutions in India and international markets; learn more about us on the company profile page.

Rela

Other