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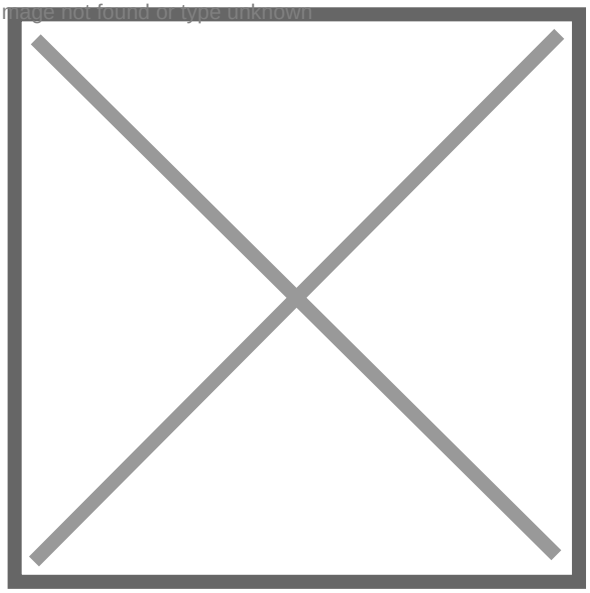
Product Name :

Squamous Epithelium

Product Code :

SCL434/0162

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Description :

Squamous Epithelium (Product Code: SCL434/0162) is a prepared microscope slide of squamous epithelium used to show the flat, scale-like lining cells of animal tissue in school and college biology practicals. Zoology teachers use it as the reference specimen when students compare epithelial cell shapes, and it is mounted on clear borosilicate glass and kept in a white rectangular plastic box. It is manufactured by **Jain Scientific Equipments Pvt Ltd (ScienceLab)** , Ambala, India, as part of its range of prepared microscope slides.

Key Details

Parameter	Detail
Specimen	Squamous epithelium (animal tissue)
Slide material	Borosilicate glass
Slide colour	Clear
Box	Plastic, white, rectangular
Use	Laboratory
Product code	SCL434/0162
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the Squamous Epithelium Slide Used For?

Squamous cells are broad and very thin, with a flattened nucleus that often bulges slightly in the middle of each cell, and their edges fit together like floor tiles. A single layer of such cells (simple squamous epithelium) allows rapid diffusion, which is why it lines the alveoli and capillaries, while many stacked layers (stratified squamous epithelium) protect surfaces that face wear, such as the skin and the lining of the mouth. Students use the slide to observe cell outlines and nuclei and to link that thin shape with exchange or protection.

A popular practical is to have each student prepare a temporary mount of their own cheek cells and compare it with this prepared reference slide, which makes the slide a useful part of zoology lab equipment for introductory histology. Start at low power to find an area where cells lie flat and separate, then change to high power to study the nucleus. Store the slide in its box, flat and away from heat.

Manufacturer

Jain Scientific Equipments Private Limited, which trades as ScienceLab, manufactures this slide in Ambala, Haryana, India, for schools, colleges and training institutions in India and international markets. Enquiries about the slide are answered directly by the ScienceLab team, and the company profile gives more background on the business.

Related Biology Lab Equipment

Items

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