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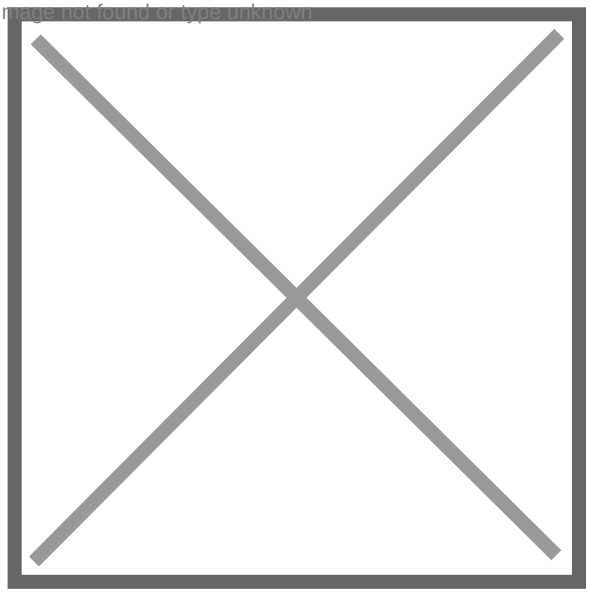
Product Name :

Animal Cell Structure

Product Code :

SCL162/1.22

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Description :

Animal Cell Structure (Product Code: SCL162/1.22) is a three-dimensional model that reveals the delicate internal organisation of an animal cell, from the nucleus and endoplasmic reticulum to mitochondria, centrioles, lysosomes and fat vacuoles. Biology teachers rely on it to make an abstract topic concrete when introducing cells and organelles. The model is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, a scientific instruments manufacturer in India, as part of its range of animal cell models and cell biology teaching aids.

Specifications

Parameter	Detail
Type	Three-dimensional animal cell model
Material	PVC mould with non-toxic dye
Size	180 x 300 x 60 mm
Cell features shown	Nucleus, endoplasmic reticulum, mitochondria and more
Also shown	Centrioles, lysosomes and fat vacuoles

Typical Use

Use the model as the anchor for a first lesson on animal cells: ask students to locate the nucleus, then work outwards through the endoplasmic reticulum and mitochondria, discussing what each structure does. Centrioles and lysosomes are often just names in a textbook, so seeing them in three dimensions helps learners remember where they sit and what they are for. The fat vacuoles give a natural starting point for talking about how cells store reserves.

Afterwards, students can prepare stained cheek-cell slides and compare the limited detail visible under a light microscope with the fuller picture the model presents – a good moment to explain why electron microscopy transformed cell biology. Keep this animal cell model out of direct sun and clean it with a slightly damp cloth.

Manufacturer

Jain Scientific Equipments Private Limited operates as ScienceLab from Ambala in Haryana, producing cell, anatomy and botany models together with general laboratory apparatus. Schools, colleges and distributors in India and international markets order from one catalogue, which makes it simple to match this model with its plant cell partner. Read the ScienceLab profile to learn more about the company.

Related Laboratory Equipment

Teaching aids that build on an animal cell lesson:

- Plant Cell Structure — plant counterpart in the same size, for comparing cell walls and plastids.