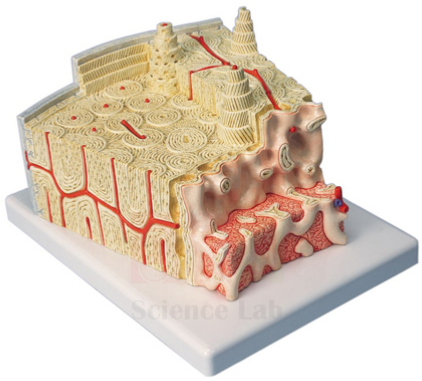
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Product Name :

3B Bone Microanatomy Model

Product Code :

SLE/A/89



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Description :

3B Bone Microanatomy Model (Product Code: SLE/A/89) enlarges a section of lamellar bone to about 80x life size so that the microscopic architecture of compact bone can be studied without a microscope. The block is cut in both cross and longitudinal section through all layers, down to the bone marrow, with Haversian canals, endosteum, cortical substance and osteocytes clearly visible. It is used in histology, physiology, orthopaedics and senior biology teaching, and is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, as part of its school biology lab equipment in India.

Specifications

Parameter	Detail
Scale	About 80x life size
Mounting	Mounted on a base
Tissue shown	Section of lamellar bone
Sections	Cross and longitudinal, through all layers including bone marrow
Visible structures	Haversian canals, endosteum, cortical substance, osteocytes

Typical Use

Students often find it difficult to turn a flat slide image of compact bone into a mental picture of cylinders of lamellae running along the bone. Because this model shows the same tissue in two planes at once, a teacher can point to a Haversian canal in cross section and then follow it lengthwise in the longitudinal face, explaining how osteocytes sit between the lamellae and how the endosteum lines the inner surface next to the marrow.

It works best alongside the microscope: show the model first, then let learners find the same features on prepared microscope slides of bone. In physiology lessons it also supports discussion of bone remodelling and blood supply, while orthopaedic and physiotherapy students use it to understand how fractures heal at tissue level.

Supplier

This model is supplied by **Jain Scientific Equipments Private Limited**, which trades as **ScienceLab** from Ambala, Haryana, and sources selected teaching models to sit alongside its own laboratory products. For more about the company, see our company profile.

Related Human Models

Items that support a complete lesson on bone tissue and structure:

- Microslide Animal Tissue Set 2 Muscle, Bone, Connective — real bone sections to compare with the enlarged model
- Binocular Biological Microscope — for viewing bone slides after the model demonstration
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