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Product Name :

Microstructure of Artery and Vein Model

Product Code :

SLE/A/144



Description :

Microstructure of Artery and Vein Model (Product Code: SLE/A/144) is an enlarged block model used to teach the layered wall structure of arteries and veins in histology, physiology, nursing and school biology classes. Serial sectioning exposes the sequential muscular and membranous layers and shows the difference between arterial and venous wall thickness, while a cut section of vein with venous valves and a numbered key are included. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India.

Specifications

Parameter	Detail
Type	Enlarged block model of artery and vein microstructure
Size (without base)	25 × 10 × 23 cm
Sectioning	Serial sectioning exposes sequential muscular and membranous layers of the vessel walls
Comparison shown	Differences between arterial and venous wall thickness
Additional piece	Cut section of vein with venous valves
Mounting	Durable polymer base
Supplied with	Numbered key
Product code	SLE/A/144
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Artery and Vein Model Used For?

Under a microscope, students often find it hard to tell an artery from a vein on a prepared slide. This enlarged block gives them a three-dimensional reference first: the stepped serial sections show each layer of the wall in turn, and placing the two vessels next to each other makes it obvious that the artery has the thicker, more muscular wall needed to cope with higher pressure. The teacher can then move to the microscope and ask the class to apply what they have just seen.

The cut vein with its valves is ideal for explaining how blood returns to the heart against gravity and why faulty valves lead to varicose veins. With the numbered key, the model also works for self-directed revision in the lab, and it sits naturally beside heart model anatomy lessons in India's school and college curricula on the circulatory system.

OEM Manufacturer

This vessel model comes from ScienceLab, the trading name of Jain Scientific Equipments Priva
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