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Product Name :

Human Cardiac Beat And Blood Circulation

Product Code :

SLE/BL/47



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Description :

The **Human Cardiac Beat And Blood Circulation** model (Product Code: SLE/BL/47) is a powered demonstration unit that pairs an enlarged, sectioned heart with a diagram of the body's blood circulation. Its flexible heart wall is moved mechanically from behind so the heart visibly beats, the valves open and close, and flashing lights trace the flow of blood — red for arteriesand blue for veins. For institutions comparing heart model anatomy options in India, thatmovement is what separates it from static display models. It is manufactured by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, for schools, nursing colleges and medical teachingdepartments.

Specifications

Parameter	Detail
Type	Working heart and blood circulation demonstration model
Size	41 x 17 x 71 cm
Heart display	Enlarged heart shown in section, together with a blood circulation diagram
Heart wall	Flexible material, moved by a mechanism behind it to demonstrate the heartbeat
Valves	Shown opening and closing
Circulation display	Light flashes — red represents arteries, blue represents veins
Power	Requires a power supply

Typical Use

Teachers switch the model on at the start of a cardiac cycle lesson and let the class watch several beats before explaining what is happening: the heart wall contracting and relaxing, the valves opening to let blood through and closing to stop it flowing backwards, and the lights showing oxygen-rich blood leaving through the arteries and returning through the veins. Having motion and colour at the same time helps students connect the pumping action of the heart with the route blood takes around the body.

As school biology lab equipment in India, it fits the circulation chapter in secondary classes and is equally useful for nursing and paramedical students revising cardiac physiology. The light flashes are easiest to follow in a dimmed room. Place the unit on a stable bench within reach of a socket, switch it off between lessons, and keep the flexible heart wall away from sharp objects and direct sunlight.

Manufacturer

Jain Scientific Equipments Private Limited produces this circulation model in Ambala, Haryana, and sells it under its trading name, ScienceLab, as part of a catalogue that spans anatomy models and general laboratory apparatus. Our company profile gives more detail about the busin

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