Email : sales@scilabexport.com
Phone: +91-7082934803

Product Name :

Human Advanced Osteoporosis Model

Product Code :

SLE/A/66



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Description :

Human Advanced Osteoporosis Model (Product Code: SLE/A/66) sets three life-size vertebrae in a row: one healthy, one with first-stage pathological changes and one with advanced-stage changes. Seeing the stages together helps learners understand how osteoporosis weakens the spine step by step, which is why the model is used in medical, nursing, pharmacy and physiotherapy teaching as well as in patient counselling. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, a biology lab equipment supplier in India for education and healthcare training.

Specifications

Parameter	Detail
Scale	Life size
Number of vertebrae	3
Vertebra 1	Healthy vertebra
Vertebra 2	Pathological changes at first stage
Vertebra 3	Pathological changes at advanced stage
Size	12 x 12 x 15 cm

Typical Use

Osteoporosis is easier to explain when learners can compare a normal vertebra directly with diseased ones. A lecturer can ask students to describe the healthy vertebra first, then note what has changed at the first stage and how much further the advanced vertebra has deteriorated. This progression links well to discussions of risk factors, bone density testing, fracture risk and prevention through diet and exercise.

In pharmacy and pharmacology courses the model gives context to lectures on drugs used to treat bone loss, while in physiotherapy it supports advice on safe movement for patients with a fragile spine. Clinics and community health programmes also use it at counselling desks, and it fits neatly into a human biology model set for senior school classes studying the skeleton. Its compact size means it can sit on a desk permanently; wipe it occasionally with a dry cloth.

Manufacturer

Jain Scientific Equipments Private Limited, trading as ScienceLab, produces this osteoporosis model in Ambala, Haryana, alongside skeletal, organ and pathology models for teaching. Visit the company profile to learn more about the business.

Related Human Models

Pair this model with the following for a fuller lesson on bone health: