

PH-2 - Whole Body Phantom
PBU-50

Order code: **4103.PH-2**



Information about product price on demand

Parameters

Phantoms and simulators

Quantitative unit

Rentgenové fantomy

ks

The Whole body phantom PBU-50 is a life-size, full body anthropomorphic phantom with a state-of-the-art synthetic skeleton, lungs, liver, mediastinum and kidneys embedded in KYOTOKAGAKU original soft tissue substitute. Movable joints allow basic positioning for plain X-ray and training/research applications can be enriched by disassembling the phantom into 10 individual parts (head, limbs and trunk). There are no metal parts or liquid structures.

Patient positioning:

- Right shoulder rotates side ways, abducting to a horizontal position.
- Left shoulder rotates forward, up to a horizontal position.
- Elbows bend inward to approx. 90 degrees.
- Hip joints rotate forward up to 90 degrees, then rotate outward up to 45 degrees, respectively.

Knees bend to approx. 90 degrees.

- The phantom can be held in the supine frog leg position.
- The limbs and head are detachable at joints and neck for wider applications.
- The head supporter facilitates various head positions.

Anatomy:

- Life size synthetic skeleton
- Hands and feet with bone trabeculae
- Lungs with pulmonary vessels
- Mediastinal space
- Liver
- Kidneys

Original phantom materials:

- Radiology absorption and Hounsfield number approximate to human body.

Materials and features:

- Soft tissue and organs: Urethane base resin (SZ-50)
- Synthetic bones: Epoxy base resin
- Joint attachments: Epoxy, urethane with carbon fiber
- Screws: Polycarbonate

Set includes:

- 1 whole body phantom PBU-50
(separable into 10 parts)
Synthetic bones, pulmonary vessels, mediastinal space, liver, kidneys are embedded
- 1 head supporter
- 1 set of replacement joint connectors and screws (1 piece for each)
- 1 flat head screwdriver
- 1 set of sample X-ray films

Phantom size:

approx. 165 cm height

Phantom weight:

approx. 50 kg