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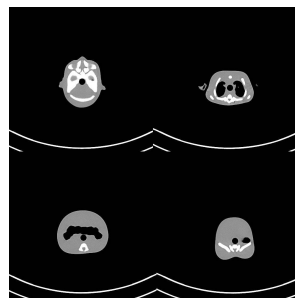
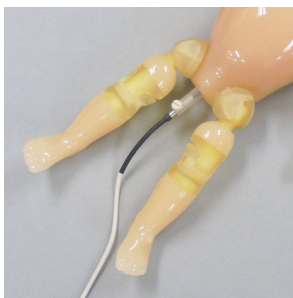
Newborn Whole Body Phantom "PBU-80"

Item No. PH-50B
Weight 3.5 kg
Brand KYOTO KAGAKU, JAPAN

[Read More](#)

SKU:

Categories: Radiology Phantom



Product Description

A brand-new neonate for CT has come into the world

Features

Training skills / Applications

Set includes

Height (approx.)

Packing size (approx.)

Weight (approx.)

Packing weight (approx.)

Materials

Related products

ANATOMY

Update

1. Limbs rotate 360 degrees at shoulders and hip joints 2. Left hand is clenched and right hand is open 3. Kyoto Kagaku original human tissue substitute with HU of average newborn (HU30) 4. A hole for an ion chamber

CT and plain X-ray / Dosimetry / Autopsy Imaging / Positioning

1 newborn whole body phantom / 1 set of sample X-ray data (DVD) / 1 storage case / manual

53cm / 20.8in

W57 x D44 x H29cm / W22.4 x D17.3 x H11.4in

3.5kg / 7.7lb

8kg / 17.6lb

Soft tissue: urethane based resin (density: 1.06) Synthetic bone: epoxy resin (density: 1.31) / *Phantom has no metal parts or liquid structure

[PH-50 Newborn Whole Body Phantom](#) [PH-2C Pediatric Whole Body Phantom "PBU-70"](#) [PH-2D Bone Fracture Pediatric Phantom "PBU-70B"](#)

skull / spine / clavicles / scapulae / ribs / humerus / radius / ulnae / bones of hands / femora / tibiae / fibula / bones of foot / pelvis / lungs / mediastinum / colon

July 28, 2020

Why Choose the Newborn Whole Body Phantom "PBU-80" for Neonatal CT and X-Ray Training in India?

The Newborn Whole Body Phantom PBU-80 (Item No. PH-50B, Brand: Kyoto Kagaku, Japan) reproduces a full-term newborn for CT and plain X-ray training and research. Limbs rotate a full 360 degrees at the shoulder and hip joints for realistic positioning, with the left hand modeled clenched and the right hand open — a naturalistic newborn posture. The phantom uses Kyoto Kagaku's original human tissue substitute, calibrated to the HU (Hounsfield Unit) value of an average newborn (HU30), and includes a dedicated hole for ion chamber placement during dosimetry work. The phantom contains no metal parts or liquid structure.

Training applications:

- CT and plain X-ray imaging
- Dosimetry
- Autopsy imaging (postmortem/virtual autopsy CT)
- Patient positioning training

Anatomy represented: Skull, spine, clavicles, scapulae, ribs, humerus, radius, ulnae, bones of the

hands, femora, tibiae, fibula, bones of the feet, pelvis, lungs, mediastinum, colon.

Set includes: 1 newborn whole body phantom, sample X-ray data set (DVD), storage case, manual.

Specifications:

- Height approx. 53cm (20.8in)
- Packing size approx. W57×D44×H29cm (W22.4×D17.3×H11.4in)
- Weight approx. 3.5kg (7.7lb)
- Packing weight approx. 8kg (17.6lb)
- Materials: Soft tissue — urethane-based resin (density 1.06); synthetic bone — epoxy resin (density 1.31)

Why Buy from SEM Trainers? SEM Trainers & Systems is an authorized distributor of Kyoto Kagaku products in India with over 30 years of experience supplying neonatal and pediatric imaging training phantoms to 1,500+ institutions across 28 states. We provide pan-India delivery and dedicated after-sales support.

Frequently Asked Questions

Q: What does the HU30 calibration mean? A: HU stands for Hounsfield Unit, the standard scale for CT radiodensity. The phantom's tissue substitute is calibrated to HU30, matching the average radiodensity of a real newborn for accurate imaging realism.

Q: How do I order from SEM Trainers? A: Contact us at sem@semtrainers.com or call +91-88495 63724 for pricing and availability.