

PH-2C | 41350-300

## Pediatric Whole Body Phantom "PBU-70"

CT

X-ray

**This phantom representing a five-year-old child is easy to position,  
and provides complete bone images for every joint**



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## FEATURES

- | Radiology absorption and HU number approximate to human body
- | Main joints have close-to-human articulation
- | Phantom can be disassembled into 10 individual parts

## APPLICATIONS

- | Plain X-ray
- | CT
- | Basic patient positioning

## ANATOMY

## Bony Structure

skull / spine / clavicles / scapulae / ribs / sternum / coxal bones / humerus / antebrachial bone / bones of hand / femur / patella / lower leg bone / bones of foot

## HU numbers of each organ:

liver 70  
kidney 30

## Internal organs

lung with pulmonary vessels / trachea (up to primary bronchi) / heart / liver with portal and hepatic veins

## Position of Hands and feet

left foot : plantar flexion  
right foot : dorsiflexion  
left hand : aligned fingers  
right hand : spread fingers

## DESCRIPTIONS

## SET INCLUDES

1 pediatric whole body phantom	1 screwdriver
1 head supporter	1 set of sample X-ray data (DVD)
1 hand fixture belt	1 manual

## SPECIFICATIONS

Phantom height: 110 cm  
43.3 in  
Packing size: W86×D60×H32 cm  
W33.8×D23.6×H12.6 in  
Phantom weight: 20 kg / 44 lb

## MATERIALS

Soft tissue: urethane based resin (density: 1.06)  
Synthetic bone: epoxy resin (density: 1.31)  
Skull: epoxy resin (density: 1.11)  
\*Phantom has no metal parts or liquid structure

## OPTIONAL PARTS

41363-080 storage case for PH-2C / 2D

**PUBLICATION REFERENCES** Söderberg, M., & La, S. (2013). Evaluation of adaptation strengths of CARE Dose 4D in pediatric CT. SPIE Medical Imaging, 9-14. doi:10.1117/12.2001694