

PH-4 CT Torso Phantom CTU41

A one-piece anthropomorphic torso phantom with anatomical structures allows various CT approaches including helical scanning. Along with state-of-the-art synthetic bones, brain with cerebral ventricles, eye balls, full internal organs are embedded. Each individual organ has particular Hounsfield number which corresponds that of human body. KYOTOKAGAKU original phantom materials with radiation absorption approximate to human tissue allow scanning under actual clinical setting.

Materials: Urethane base resin (SZ-50) for soft tissue and organs

Epoxy base resin for synthetic bones


Weight: Approx.45kg

Set includes: A torso phantom

A set of sample phantoms with different HU values

A set of sample CT images

Handle the phantom with utmost care. It's heavy and breakable.

 **KYOTO KAGAKU CO.,LTD**
WWW.KYOTOKAGAKU.COM
Rw-kyoto@kyotokagaku.co.jp

Main office and factories:

15 Kitanechoya-cho, Fushimi-ku, Kyoto,612-8388, JAPAN

Tel+81-75-605-2510, Fax+81-75-605-2519

USA office (North America sales and services)

3109 Lomita Boulevard, Torrance, CA90505-5108, USA

Tel:+1-310-325-8860, Fax+1-310-325-8867

Organs		HU number*	Remarks
Soft tissue		8	
Brain	Brain	40	
	Ventricles	10	
Eye balls		20	
Aorta		40	
Vena Cava		40	
Trachea	Up to the first bifurcation	-800	Urethane foam
	From the first bifurcation to the small branches	8	Pipe wall's HU number
Heart		40	
Pulmonary vessels		8	Shown up to the forth bifurcations
Costal cartilage		90	
Liver	Liver	70	
	Hepatic veins	40	Incl. the portal vein
Gall Bladder		20	
Pancreas		30	
Spleen		50	
Kidneys	Kidneys	30	
	Renal veins	40	
	Ureters	10	
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Urinary bladder	Simulated content	10	
	Bladder wall	30	
Seminal Vesicle		25	
Prostate		50	
Rectum wall		70	
Sigmoid colon wall		70	

* The Hounsfield numbers shown above are approximate figures of the calculated values and not actual measurement values.