

Dog Phantom for X-Ray, CT oraz MRI

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Product code: FR01928



The newly designed detachable dog phantom is a training simulator, independent of external hardware/software. The phantom is compatible with Ultrasound, X-RAY/CT, and MR imaging. It has all the right features to be an ideal teaching tool for sonographers, radiographers, veterinary residents, and other vet professionals.

Unlike its predecessor, the new detachable dog phantom has improved anatomical structures and removable body parts(head, limbs, torso, and tail). This improvement is an added advantage as it helps perform various positioning techniques under the US, X-RAY/CT, and MR imaging modalities. This product is available in the following options:

- Dog Phantom for Ultrasound and X-RAY/CT imaging | SKU: DG-A01
- Dog phantom for X-RAY/CT and MR imaging | SKU: DG-A02
- Dog phantom for Research & Development applications | SKU: DG- R01

Body Parts and Anatomical structures:

Adult Dog Head for X-RAY CT and MRI training - 1 Unit

- Anatomically correct realistic skull phantom with the jaw bone
- Realistic brain tissue

Adult Dog Torso for X-RAY CT and MRI training - 1 Unit

 Bones included:

- Complete Spine
- Complete Ribcage
- Shoulder (Scapula bones)
- Pelvis

Thoracic organs included:

- Anatomically correct Heart
- Realistic blood vessel structure connected with the heart
- Lungs
- Diaphragm

Major abdominal organs included:

- Stomach
- Liver and gallbladder
- Kidneys
- Spleen
- Pancreas
- Fine arteries for kidneys



- Bladder
- Ureters and Uterine
- Large & small intestines

Adult Dog Front Arms for X-RAY CT and MRI training - 2 Units

- Arm (Humerus)
- Elbow joints
- Forearm (Radius, Ulna)
- Paw (wrist with fingers)
- Acoustically correct skin-mimicking material surrounding the leg

Adult Dog Rear Legs for X-RAY CT and MRI training - 2 Units

- Thigh (Femur)
- Knee joints
- Leg (Tibia, Fibula)
- Paw (Finger bones)
- Acoustically correct skin-mimicking material surrounding the leg

Adult Dog Tail for X-RAY CT and MRI training - 1 Unit

- Anatomically correct realistic tail bones
- Realistic tissue mimicking material

Optional features, upon request:

- Internal hemorrhages at bilateral chambers, pelvic area, pericardial area, perisplenic areas, etc.
- Lesions and tumors at precise locations.
- Customizing the phantom with motion or bleeding.

*This model includes life-size abdominal organs & bony structures. If needed, it can be customized with a beating heart and breathing lungs to simulate dynamic respiratory motion with the help of mechanical pumps(optional). As a reference, you can watch this video captured from an R&D experiment conducted on our other product, Adult Human Torso phantom for X-RAY/CT and MR imaging. Materials used:

- Soft tissue and organs
- Composition of Urethane base resin
- Synthetic bones are available in two options: composition of Urethane base plastic, patented ceramic-reinforced epoxy-based composite material

Dimensions and Weight: Size: 116 x 66 x 43 cm (approx.) Weight: 18 kgs (approx.) Includes:

- Adult Female Dog
- Design video
- User Manual with assembly instructions
- Hard carry and storage case (Optional)