

## Dog Phantom for X-Ray, MRI and CT

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Product code: FR01927



Full-size phantom of an adult female dog for multipurpose use in the field of X-Ray and CT diagnostic imaging in veterinary medicine.

### Available variants of the dog phantom for diagnostic imaging:

- Dog phantom for ultrasound
- Dog phantom for x-ray imaging and computed tomography (X-ray and CT)
- Dog phantom for Magnetic Resonance Imaging (MRI)
- Combined dog phantom with the possibility of imaging while using ultrasound, X-Ray and CT
- Combined dog phantom with the possibility of imaging using MRI, X-ray and CT

Upon special requests, we can customize it for simulating different pathologies as well as for specific trainings & research applications.

### Main features:

- The model is realistic, anatomically correct, has all important natural size internal organs and bone structures.
- If desired, the phantom can be adapted with the help of a flexible heart and lungs, and free fluid to provide a variety of diagnostic imaging techniques.
- It was designed mainly to provide simulated X-Ray and CT training in the field of veterinary medicine and other diagnostic imaging such as ultrasound, MRI.
- **Thanks to the possibility of placing different pathologies in the phantom base version, it can be adapted to specific training applications.**

**Phantom consists the following anatomical structures (individual elements can be added or removed depending on the application requirements):**

- Head, trunk, Tail
- Spleen,
- stomach,
- liver
- skeleton
- kidney,
- adrenal gland
- Aorta
- lymph nodes
- Bladder
- Descending colon and small intestine
- Duodenum
- pancreas



- limbs
- Gallbladder
- Portal vein, vena cava and lymph nodes

**Optional functions (on request, additionally payable)**

- Internal haemorrhages in the body, pelvis, pericardium, periphery areas, etc.
- Changes and tumors in strictly defined places.
- Customizing the phantom with movement or bleeding.
- Hard carrying case and storage

**Additional information:**

**Materials used:**

1. Soft tissues and organs: urethane mixture
2. Synthetic bones are available in two options: based on urethane or epoxy resin
  - Size: 110 x 40 x 30 cm (approximately)
  - Weight: 24 kg (approx.)

**Set contains:**

- full-size phantom of an adult female dog
- CD
- User's Guide
- (Optional) hard carrying case and storage.

**Possibility to configure your phantom yourself:**

- Note: this product is a replica of an adult female dog and is mainly used for ultrasound training and other diagnostic imaging in veterinary.
- It can be adapted to different pathologies depending on your needs.
- In order to prepare a phantom with a non-standard configuration, please send your specifications to prepare the valuation and execution time.