

Oval Phantom Body

The QRM-Oval-Phantom-Body is suitable to use as an semianthropomorphic surrounding for several standard imaging D100 inserts to investigate the influence of scan parameters in CT or FD-CT.

The oval phantom body comprises a shell of soft tissue equivalent material.

The plastic used in this semi-antropomorphic phantom mimics human soft tissues with respect to density and X-ray attenuation characteristics of a human body.

It provides a centrally placed 100 mm diameter bore hole to place multiple standard test cylinders for image quality purposes. To learn more about the appropriate inserts please have a look at the product section: Image Quality and Dose on www.qrm.de!

The QRM-Oval-Phantom-Body is also available with drilled holes according to CTDI-specifications for dosimetry purposes.

Specifications

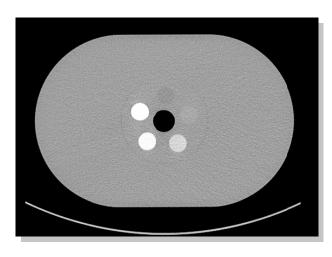
Phantom weight (total)	2600 g
Dimensions	200 x 300 mm ²
Diameter of bore hole	100 mm
Height of phantom	100 mm

Base material tissue equivalent resin $(38 \text{ HU} \pm 3 \text{ HU} \text{ at } 120 \text{ kVp})$

Obese extension Rings (e.g. fat or tissue equivalent rings) are available upon request! Visit www.grm.de for additional information.



QRM-Oval-Phantom-Body



CT-scan of the phantom at 120 kVp (as an example an Electron Density Phantom (EDP) is placed in the central 100 mm bore hole)