

Anthropomorphic Thorax Phantom

QRM-Thorax

The Thorax Phantom is suitable to use as an anthropomorphic surrounding for several standard imaging inserts for investigation of the influence of scan parameters in CT.

QRM-Thorax comprises artificial lung lobes, a spine insert, and shell of soft tissue equivalent material.

The plastics used in this anthropomorphic phantom mimic human tissues in the thorax with respect to density and X-ray attenuation characteristics of a human thorax.

It consists of a standard bore hole with diameter of 100 mm. Multiple standard cylinders for image quality purposes are available. Please have a look at the product section: Image Quality and Dose at www.qrm.de.

The QRM-Thorax is also available with drilled holes according to CTDI-specifications for dosimetry purpose.

Specifications

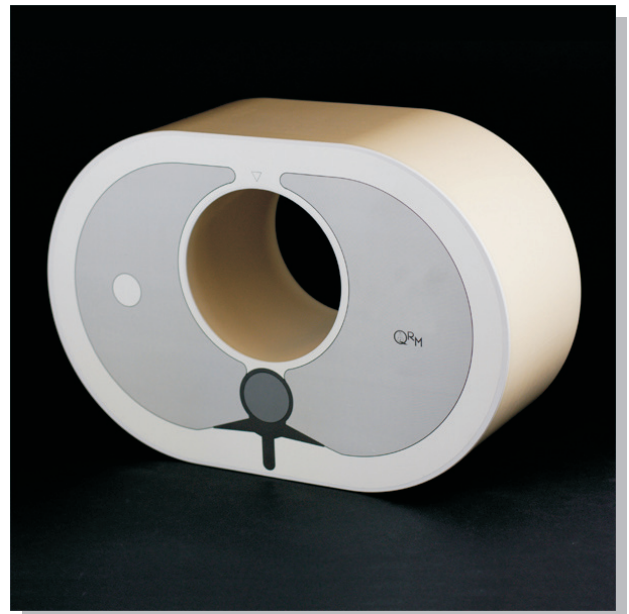
Phantom weight (total) 2740 g
 Dimensions 200 x 300 mm
 Diameter of bore hole 100 mm
 Height of phantom 100 mm

Base material tissue equivalent resin
 (@ 120 kV)

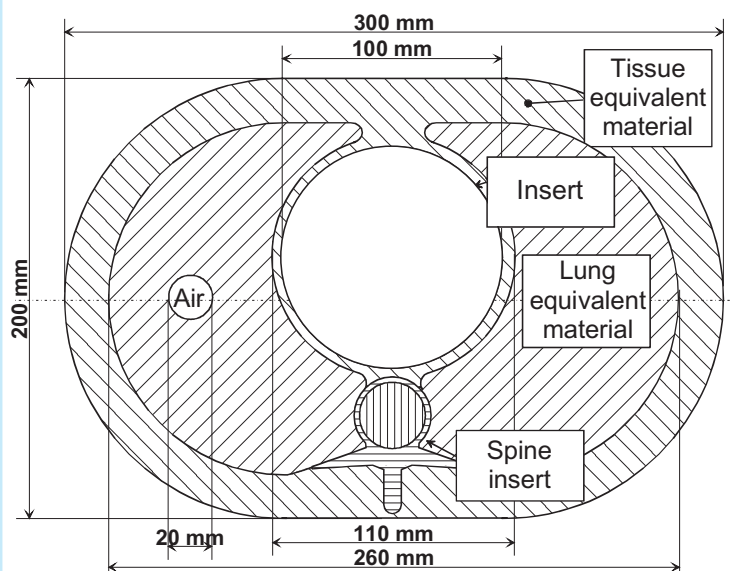
Lung app. -800 HU

Spine bone like (corticalis / spongiosa)

Extension Rings (e.g. Fat Rings) are available upon request!



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Sketch of the complete Anthropomorphic QRM-Thorax.
 The depth of the phantom is 100 mm.