

Fillable Thyroid Phantom

for scintigraphic simulation of a
30 - 40 gram thyroid gland.

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Field of application

The fillable thyroid phantom allows the precise simulation of the clinical distribution ratio during scintigraphic imaging.

Product Characteristics

- Compact easy handling thyroid test phantom

Benefits

- ✓ Fast overview of the capability characteristics of the gamma camera and the data system.

Product Description

The fillable thyroid phantom consists of acrylic glass (PMMA) and is robustly and leak proof by cautiously handling. It simulates two thyroid lobes with 50% and 100% activity distribution each.

Within the 50% lobe there is a hot node with a diameter of 12 mm at a height of 50% and a cold node with a diameter of 10 mm at a height of 100% of the chamber thickness.

Within the 100% lobe there are two cold nodes with a diameter of 12 mm and 5 mm each at a height of 100% of the chamber thickness.

The phantom can be filled with radioactive liquid through a filling hole locked by a thumb screw.

The thyroid phantom shows artifacts in form of hot and cold nodes and a region of reduced activity. The interior space is 35 ml.

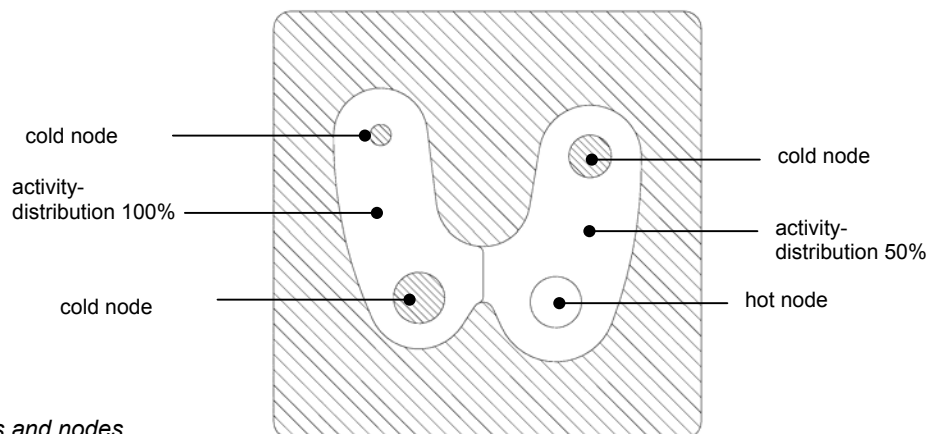
Specifications

Material of the phantom body: Acrylic glass (PMMA)

Outer dimensions of the phantom body (L x W x H): 100 x 100 x 30 [mm]

Diameter of the filling hole: 8.5 mm

Total weight of the phantom (filled): approx. 300 g



schematic diagram of the regions and nodes