



## NU<sub>4</sub> PET IQ

Small FOV PET

Leeds Test Objects' NU<sub>4</sub> PET IQ phantom was designed to meet the NEMA NU4-2008 protocol for testing image quality, attenuation correction and scatter correction of small Field-Of-View PET systems.

The phantom consists of a cylinder (diameter 33.5mm) with the following test features:

- 5x fillable rods 1-5mm diameter
- 2x 8mm diameter fillable cylinders\*
- 1x uniform fillable section 15mm thick

\* separated from main chamber by 1mm wall thickness

The phantom is constructed from PMMA, density 0.96 +/- 0.01 g/cm<sup>3</sup>. The screws are low density (nylon) to avoid artefacts. For easy filling and emptying, there are filling holes in the base and lid, and the whole lid is removable.



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