

Phantoms

Flood Phantoms



Flood phantoms provide a means of lighting a scintillation camera's crystal to determine response uniformity over the entire field. All of our Flood Phantoms feature extra strength side walls to limit bulging. The clear lucite construction simplifies positioning. The phantoms are easy to fill and drain. They can also be used for transmission imaging.

Jumbo Rectangular Flood Phantom

Size: 20 1/2" x 28" x 1 1/4" thick (52 x 71.1 x 3.2 cm)

Cavity: 16 1/2" x 24" x 1/2" (41.9 x 60.9 x 1.3 cm)

Jumbo Rectangular Flood Phantom

Thyroid Phantom



The Thyroid Phantom permits the precise duplication of clinical conditions by simulating thyroid scans in the 30

to 40 gram range. The phantom is constructed of lucite. It can be filled with any desired amount of radioactivity. It includes artefacts typical of abnormal thyroids, hot and cold nodules and regions of varied activity.

SPECIFICATIONS:

Dimensions: 4" x 4" x 7/8" thick (10.2 x 10.2 x 2.2 cm)

Thyroid Phantom

Hoffman 3-D Brain Phantom



The Hoffman 3-D Brain Phantom provides the anatomically accurate three dimensional simulation of

the radioisotope distribution found in the normal brain. The Phantom allows quantitative and qualitative study of the three dimensional effects of scatter attenuation as they would appear in Iodine-123-IMP or Iodine-123-HIPDM imaging with single photon emission computer tomography or fluorine-FDG-F18 imaging with positron emission computed tomography. The phantom simulates the 4:1 uptake ratio in the grey and white matter, normal in these studies. Ventricles that are normally void of radioactivity are present.

The phantom is comprised of sturdy plastic and a single fillable chamber that eliminates the necessity of preparing different concentrations of radioisotope. Nineteen independent plates stack neatly within the cylindrical phantom for easy disassembly and assembly. The user can easily add his own custom defects to simulate clinical abnormalities.

The Phantom can be filled with the appropriate radioactive material or contrast material for SPECT, PET or MRI applications.

Each of 19 inserts is made up of 5 thinner slices. Two slices 0.03" thick interspersed in 0.6" thick slices.

Hoffman 3D Brain Phantom

