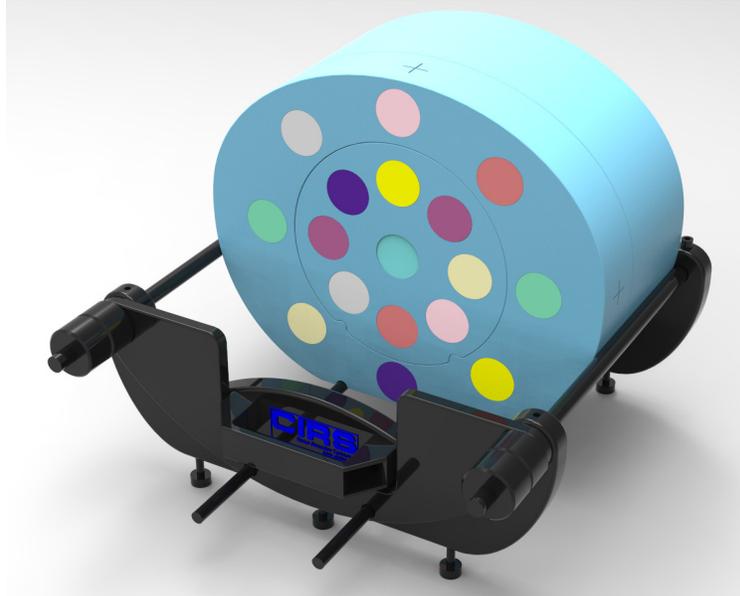


Multi-Energy CT QA Phantom (MECT)

Model 662



COMPREHENSIVE QA FOR MULTI-ENERGY CT

Multi-Energy CT offers a great improvement in advanced recognition, differentiation, quantification of human tissues and different contrast agents based on their linear attenuation at the different X-Ray energies. A Quality Assurance program using appropriate phantoms, is important to ensure accuracy and reproducibility for ME CT scanner performance.

The CIRS Multi-Energy CT QA (MECT) phantom is designed to assure accurate performance and consistency of Multi-Energy CT scans. The phantom facilitates evaluation of scanner performance allowing users to verify the quantitative accuracy of multi-energy scans, check for artifacts in an extended field-of-view and compare the consistency and stability across different scanners.

Our phantom features a series of 7 Iodine in water, 5 Iodine in blood equivalent inserts and 6 calcium in water equivalent inserts. All inserts contain a core target of \varnothing 10 mm inside Plastic Water® -LR for minimizing effects of “beam hardening” and can be positioned in 17 different locations within the scan field. In addition, a water vial plug that can be filled with any fluid. Blood, Adipose, Muscle and Water equivalent inserts are also provided. Inserts from the CIRS standard Electron density Phantom (model 062M/MA) can be used for extended testing due to their tissue equivalency of +/- 1% within a wide energy range.

Our phantom consists of nested disks made from CIRS Plastic Water® -LR, representing both head and abdomen configurations. Two 10 cm thick sections surround a 5 cm target section for proper scattering conditions.

A holder/support stand (062MA-30) that allows for adding additional sections from CIRS model 062 phantom and a soft carry case are also included with our phantom.

Benefits

- Iodine, calcium, blood, & adipose inserts allow for testing tissue discrimination
- Verify quantitative accuracy & clinical protocols
- Verify performance reproducibility for a single scanner and across departments
- High accuracy in Iodine and Calcium inserts by minimizing “beam hardening”
- Allows for variable insert positioning
- Various inserts from CIRS 062M/MA can be used for extensive testing
- Imaging QA Phantom (CIRS 062QA-35) can be nested inside scattering section

深圳市展业达鸿科技有限公司

吕先生: 15920060912 (微信同号) 0755-22934005 (座机)

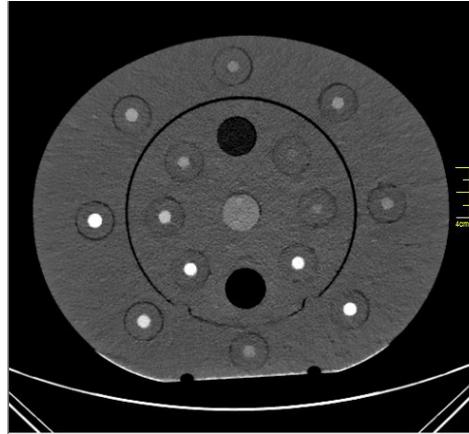
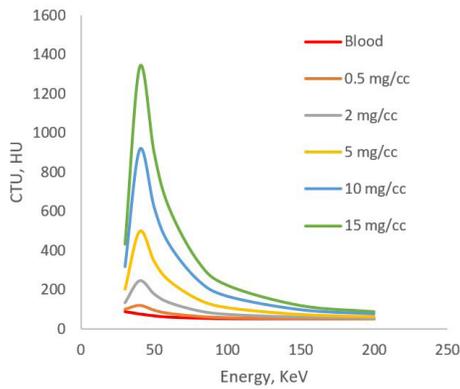
地址: 深圳市福田区八卦二路八卦岭工业区615栋419

邮箱: hongqi@thingstet.com

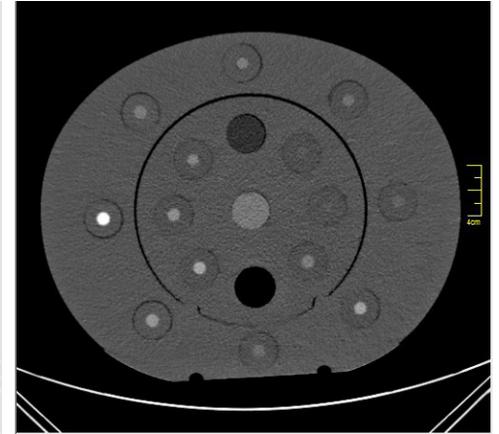
网址: www.thingstest.com

CIRS
Tissue Simulation & Phantom Technology

CT Numbers for Iodine in Blood targets



MONO-ENERGETIC 50 KEV SCAN



MONO-ENERGETIC 100 KEV SCAN

SPECIFICATIONS

DIMENSIONS	33 cm x 27 cm x 25 cm (13" x 11" x 10")
DIAMETER OF HEAD	18 cm (7.1 in)
MATERIAL	Plastic Water®- LR
INSERTS	22 solid inserts & 1 water fillable insert (each insert is labeled accordingly)
7 IODINE IN WATER INSERTS	Concentrations of 0.2, 0.50, 1.00, 2.00, 5.00, 10.00 & 15.00 mg/cc
5 IODINE IN BLOOD INSERTS	Concentrations of 0.50, 2.00, 5.00, 10.00 & 15.00 mg/cc
6 CALCIUM INSERTS	Concentrations of 10, 20, 40, 60, 120 and 240 mg/cc
4 TISSUE EQUIVALENT INSERTS	Blood, Muscle, Adipose & Water
PHANTOM WEIGHT	49 lbs

MODEL 662 INCLUDES

QTY	DESCRIPTION
1	Body (50 mm thick)
1	Head (50 mm thick)
2	Annulus Head Insert (100 mm thick)
2	Annulus Body Insert (100 mm thick)
7	Iodine in Water Plugs (Ø 10 mm Core)
5	Iodine in Blood Plugs (Ø 10 mm Core)
6	Calcium Plugs (Ø 10 mm Core)
1	Blood Equivalent Plug
1	Muscle Equivalent Plug
1	Adipose Equivalent Plug
1	Water Equivalent Plug
1	Water-fillable Plug, Ø 1" removable vial inside (Real water data provided)
1	Holder/Support set
1	Soft Carry Case
1	User Guide
-	60 Month Warranty*

*Inserts excluded.

