Multi-Purpose Body Phantom

Specifications

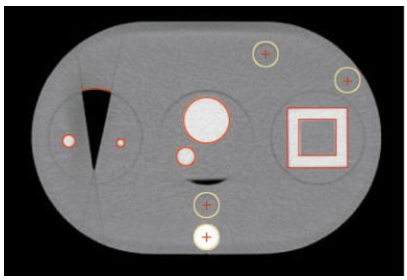
- Body oval; 30 cm wide, 20 cm high, 12 cm long, acrylic, 6 kg
- 3 openings in body oval for cylindrical inserts, each opening is 8 cm diameter
- 6 openings for ion chamber measurements, 2 cm diameter
- Electron density extension, 12 cm diameter with 5 openings at 3 cm diameter
- Laser & light field alignment marks
- Materials: acrylic, Delrin, polyethylene, epoxy resin (electron density rods), rubber
- User's Guide with QA Worksheets

Cylindrical Inserts

- 27 cc acrylic cube within a 125 cc Delrin cube, within an 8 cm diameter by 12 cm long acrylic cylinder
- 20° air wedge (40 cc) within an 8 cm diameter by 12 cm long acrylic cylinder including two Delrin rods; 5 mm diameter and 10 mm diameter by 5 cm long
- 60° air wedge in 8 cm diameter by 12 cm long acrylic cylinder including three Delrin spheres; 40 mm, 20 mm and 10 mm diameter
- 2 cedar inserts and 2 solid acrylic inserts 8 cm diameter by 12 cm long
- 1 acrylic ion chamber holder insert drilled in two places to accommodate an ion chamber holder with a diameter of 2 cm
- 1 ion chamber holder 2 cm diameter by 18 cm long drilled to match ion chamber
- 1 bone equivalent (B 100) rod, 2 cm diameter by 12 cm long
- 5 electron density rods, 3 cm diameter by 2 cm long; lung (Inhale), polyethylene, water equivalent, inner bone, dense bone
- 6 acrylic plugs

Key Features

- Dosimetric and nondosimetric tests for end-to-end radiotherapy system testing
- Published pass/fail criteria for a number of tests in the TG 53 and TG 66 Reports
- Interchange inserts quickly and easily
- Converts to an IGRT gating phantom with the addition of the QUASAR Programmable Respiratory Motion Assembly



Multi-Purpose Body Phantom image analysis

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A Flexible QA Tool

Add Respiratory Motion to the Multi-Purpose Body Phantom

The Multi-Purpose Body Phantom can be converted to an IGRT gating phantom by adding the Programmable Respiratory Motion Assembly.

The optional Assembly includes the following components:

- Programmable drive unit
- Software CD containing Programmable Respiratory Motion Phantom Software Application and sample patient waveforms
- Lung equivalent (cedar) cylindrical insert
- Chest wall platform
- "CAT.5e" Ethernet cable
- Crossover cable adapter
- Power supply
- Prop for programmable drive unit

The Quality Assurance System for Advanced Radiotherapy (QUASAR™) supports the testing of a wide variety of dosimetric and nondosimetric functions of planning systems, CT simulators and delivery systems.

QUASAR is a valuable part of any quality assurance program. From respiratory motion and MLC beam geometry to daily on-board imaging QA, QUASAR phantoms and software are ready to be incorporated into your QA protocols for regularly scheduled testing. They are also effective for commissioning new systems and upgrades, and testing repairs.

Designed by and for medical physicists, QUASAR quality assurance tools provide you with confidence that every patient is getting the best possible treatment.

The QUASAR Multi-Purpose Body Phantom is just one of the many quality assurance tools available from Modus Medical Devices Inc. To find out more, please contact Modus.

Ordering Information

100-1004	QUASAR Multi-Purpose Body Phantom

Options

100-1012	QUASAR Programmable Respiratory Motion Assembly
500-3185	Mosfet Holder
500-3189	Spatial Resolution / Slice Profile Insert
500-3190	B10 Bone Rod with 5 mm Titanium Insert
500-3195	Cedar Ion Chamber Holder
500-2001	Heavy-duty Case

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