

## Optional Inserts for the Respiratory Motion Phantom

The QUASAR™ Respiratory Motion Phantom features a moving Cylindrical Insert in a body shaped phantom. Motion occurs in the superior - inferior direction with variable speed and amplitude.

Insert motion is linked to a moving platform designed to carry a respiratory tracking device. The Respiratory Motion Phantom works with different therapy delivery systems and is compatible with kV and MV CT imagers.



The following Optional Inserts are available for different applications.



Acrylic Insert

The Acrylic Insert has a 2 cm diameter opening for an acrylic ion chamber holder.



Film Cassette Insert

The Film Cassette Insert holds a 6 cm wide x 15 cm long strip of film. The corners of the film are punctured by steel pins that record dimension and orientation on the film. The film is placed in a sagittal or coronal plane within the Respiratory Motion phantom.



Imaging Insert

The Imaging Insert contains a 30 mm cube, a 20 mm sphere, a 10 mm sphere and a 1 mm steel ball.

The QUASAR™ Quality Assurance System for Advanced Radiotherapy allows you to test a wide variety of dosimetric and nondosimetric functions of radiotherapy systems using a standardized set of test objects.

A valuable part of any quality assurance program the QUASAR™ phantoms are ready to be incorporated into your QA protocols today. The phantoms are used for regularly scheduled testing, as well as commissioning new systems and upgrades, and testing repairs.

QUASAR™ provides you with confidence that your radiotherapy systems are performing to their full potential.

### QUASAR™ Optional Insert Specifications

- Each Insert is 8 cm diameter x 18 cm long, approximately 900 grams
- All are made of Acrylic with a magnetic steel clasp
- There are Delrin objects in the Imaging Insert and steel pins in the Film Cassette.

### Ordering Information

The QUASAR™ Respiratory Motion Phantom is available in a stand alone version or as an accessory to the QUASAR™ Multi-Purpose Body Phantom.

100-1007      QUASAR™ Respiratory Phantom (stand-alone)  
Includes body oval with 2 openings, motion assembly, cedar insert, ion chamber holder (NE2571 0.60 cc Farmer), standard storage case, and Users Guide.

- or -

100-1008      QUASAR™ Respiratory Assembly (accessory to QUASAR™ MP phantom)  
Includes User's Guide and Cedar Insert, motion assembly and standard case

#### Options

500-3305      Acrylic Insert  
500-3315      Film Cassette Insert  
500-3317      Imaging Insert  
500-3320      30 meter cable  
500-2003      Heavy duty shipping case (optional) 8 kg (for 100-1007)  
500-2001      Heavy duty shipping case (optional) 5 kg (for 100-1008)



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