SUN NUCLEAR
A MIRION MEDICAL COMPANY

3D Ultrasound Calibration Phantom

Designed for Compliance with AIUM Standards

Perform spatial measurement system checks according to published AIUM standard.

The Model 055 3D Ultrasound Calibration Phantom is used for spatial measurement accuracy of 3D and 4D ultrasound systems.

The phantom has volumetric targets for perimeter, area, surface area and volume measurement checks. The phantom may also be used to perform image uniformity and depth of penetration tests.

The phantom is made of Zerdine® hyrdogel polymer which is formulated to provide tissue-mimicking properties, including compatibility with harmonic imaging. To maximize lifetime, the gel is contained in a rugged ABS housing with a Saran-based laminate membrane.

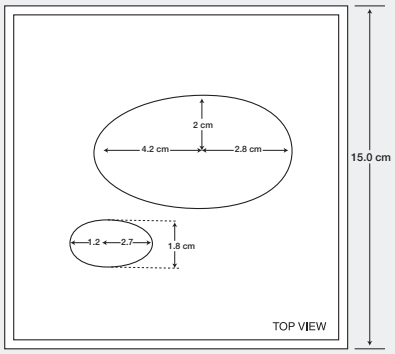
Sun Nuclear ultrasound QA phantoms come standard with a carry case and user guide.

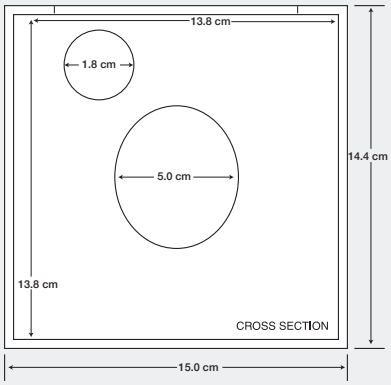
Key Tests with Model 055

- Perimeter
- Area
- Surface Area
- Volume

MKTG-2531Ultrasound Phantom
2D-3D Evaluation

Specifications





Zerdine® Properties	
Description:	Solid elastic water-based polymer
Freezing point:	0° C
Melting point:	Above 100° C
Speed of Sound:	1540 m/s
Other:	Compatible with harmonic imaging

Container	
Dimensions:	15 x 15 x 15 cm
Material:	ABS Housing

Scan windows	
Membranes:	Saran-based laminate
Dimensions (Top):	12 cm x 12 cm
Dimensions (Side):	11 cm x 11 cm

Small Volume	
Nominal Volume:	6.9 cc
Depth of target:	2-6 cm from scanning surface
Appearance:	Hyperechoic

Large Volume	
Nominal Volume:	75 cc
Depth of target:	2-6 cm from scanning surface
Appearance:	Hyperechoic

Model 055 includes	Carry Case Certificate of Compliance