

## US-53 Ultrasound Prostate Phantom

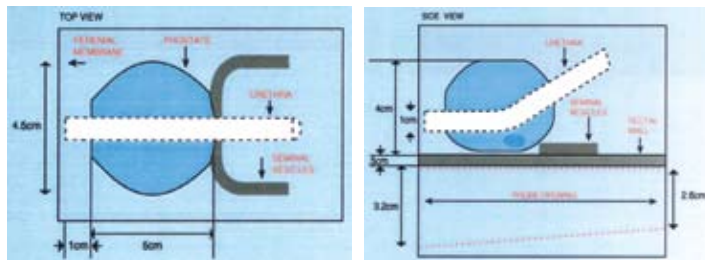
The Model US-53 Ultrasound Prostate Training Phantom is a disposable phantom developed for practicing procedures which involve scanning the prostate with a rectal probe.

The prostate, along with structures simulating the rectal wall, seminal vesicles and urethra, is contained within an 11.5 cm x 7 cm x 9.5 cm clear acrylic container. A 3 mm simulated perineal membrane enables various probes and surgical tools to be inserted into the prostate.

This phantom is an ideal training device for ultrasound guided cryosurgery, radioactive seed implantation and needle biopsy.

### Features:

- ▶ Tissue Equivalent
- ▶ Ideal training device for ultrasound guided procedures



### Specifications

#### CONTAINER:

**Material:** ..... clear acrylic  
**Dimensions:** ..... 11.5 x 7 x 9.5 cm

#### Probe opening:

Front: ..... 3.2 cm dia.  
Rear: ..... 2.6 cm dia.

**BACKGROUND GEL:** ..... similar to water with very little back scatter attenuation; <0.07 dB/cm/MHz

#### PERINEAL MEMBRANE:

**Dimensions:** ..... 3 mm thick urethane

#### PROSTATE:

**Dimensions:** ..... 4 x 4.5 x 4 cm  
**Material:** ..... blue Zerdine™  
**Scatter:** ..... low

#### RECTAL WALL:

**Dimensions:** ..... 6 x 11 x 0.2 cm  
**Material:** ..... blue Zerdine™  
**Speed:** ..... 1540 m/s  
**Attenuation:** ..... 0.5 dB/cm/MHz  
**Backscatter:** ..... similar to liver tissue

#### SEMINAL VESICLES:

**Dimensions:** ..... 7 mm dia. X 10 cm long  
**Material:** ..... blue Zerdine™  
**Speed:** ..... 1540 m/s  
**Attenuation:** ..... 0.5db/cm/MHz  
**Backscatter:** ..... similar to liver tissue

#### URETHRA:

**Dimensions:** ..... 0.7 cm dia.  
**Material:** ..... blue Zerdine™