

Prostate Demonstration Phantom

Non-disposable urethane phantom for prostate imaging

The Model 058 is a derivative of the Model 053 Ultrasound Prostate Training Phantom. The Model 058 is durable and appropriate for repetitive demonstration scanning.

The prostate along with structures simulating the rectal wall, seminal vesicles and urethra is contained within an 11.5 cm X 7.0 cm X 9.5 cm clear container.

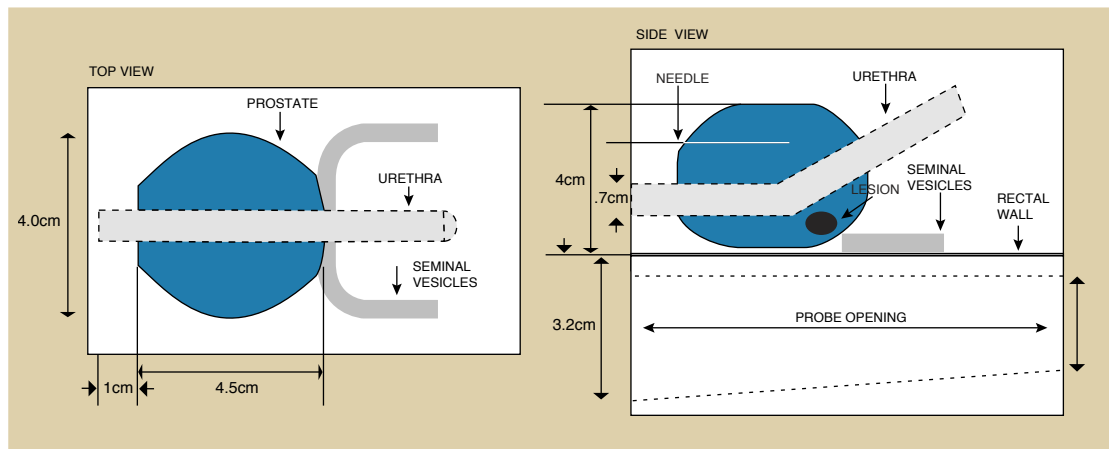
A needle is embedded within the prostate to demonstrate needle localization.



Model 058

The phantom also contains a simulated lesion and calcification cluster.

This phantom is an ideal demonstration device for rectal scanning.



Tissue Simulation & Phantom Technology

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Model 058 Specifications

CONTAINER:

Material: Clear PETG

Dimensions:

11.5 cm X 7.0 cm X 9.5 cm

Front probe opening:

3.2 cm diameter

Rear probe opening:

2.6 cm diameter

BACKGROUND GEL:

Similar to water with very little backscatter attenuation

≤ 0.20 db/cm/MHz

URETHRA:

Dimensions: 0.7 cm diameter

Material: urethane, low scatter

SEMINAL VESICLES:

Dimensions:

7 mm diameter X 10 cm long

Material: urethane

PROSTATE:

Dimensions:

5 cm X 4.5 cm X 4.0 cm

Material: Blue urethane, high scatter

Volume: approximately 53 cc

RECTAL WALL:

Dimensions: 6 cm X 11 cm X .5 cm

Material: Urethane, Backscatter

similar to liver tissue

