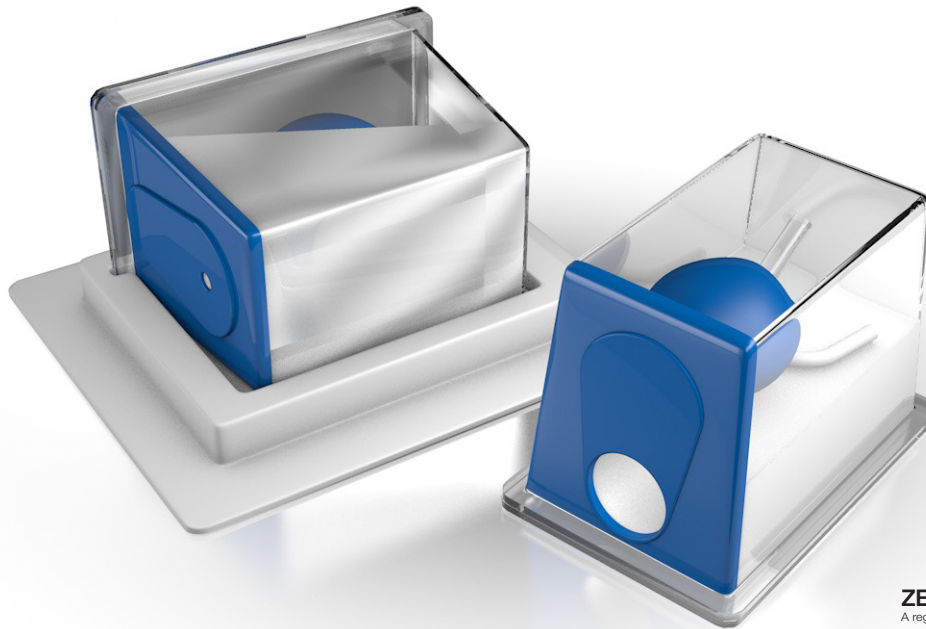


Tissue Equivalent Ultrasound Prostate Phantom

Model 053S, 053L & 053L-EF



ZERDINE® Inside
A registered trademark of CIRS

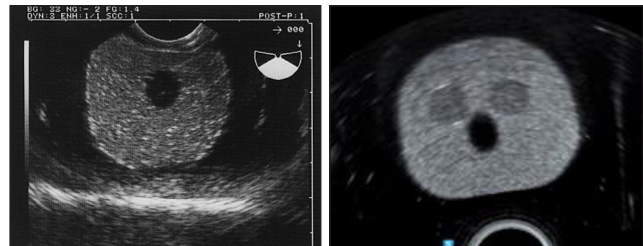
THE IDEAL TRAINING DEVICE FOR ULTRASOUND GUIDED PROCEDURES

The CIRS Ultrasound Prostate Training Phantom is a multi-modality disposable phantom developed for practicing procedures which involve scanning the prostate with a rectal probe.

Gel formulations within the Model 053S, 053L and 053L-EF are designed to minimize needle tracking and to provide imaging contrast under CT, MRI, ultrasound and elastography.

The prostate along with structures simulating the rectal wall, seminal vesicles and urethra is contained within an 11.5 x 7.0 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.

The phantom is available with lesions (053L) and without lesions (053S) and can be ordered in either the standard side-fire configuration or an alternate geometry optimized for end-fire probes (053L-EF).



Features

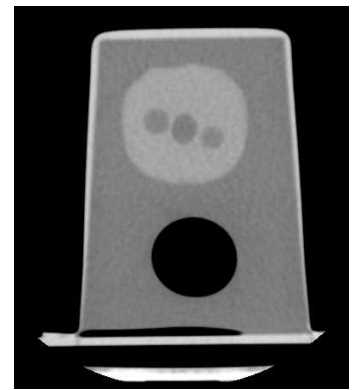
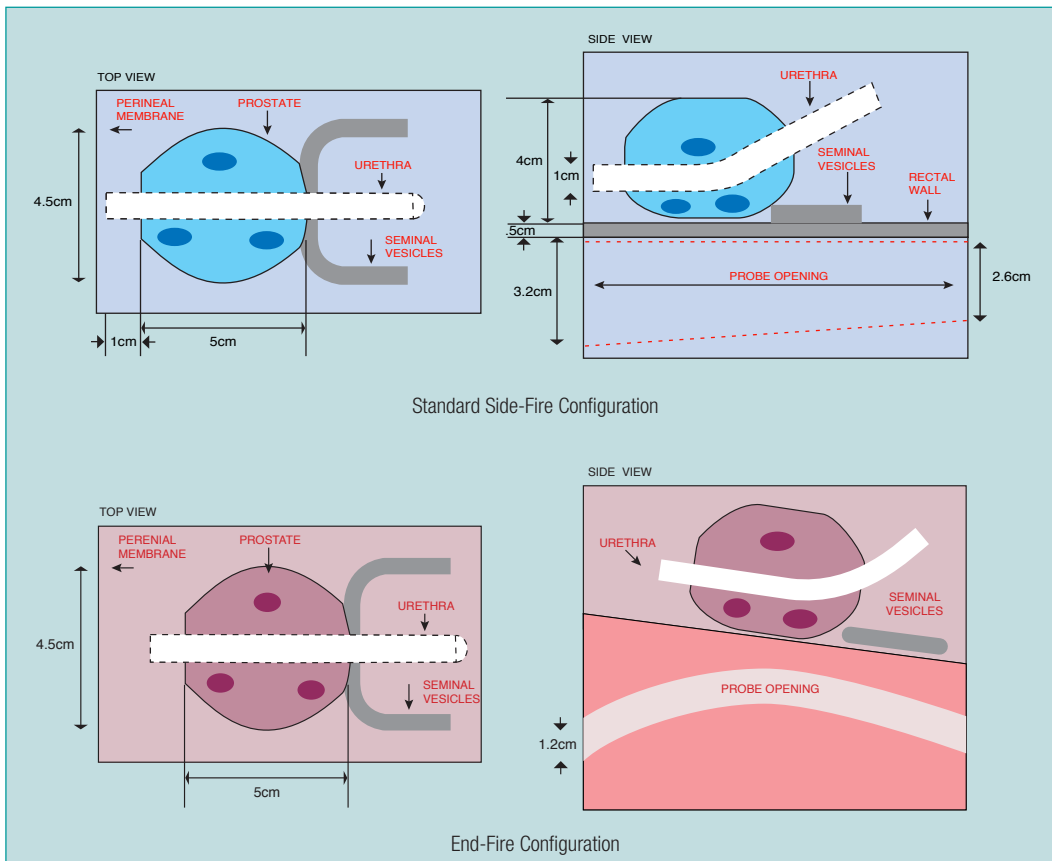
- Includes rectal wall, seminal vesicles, perineal membrane and urethra
- Train for ultrasound-guided cryosurgery, seed implantation and needle biopsy with one phantom
- Compatible with various probes and surgical tools
- Structures visible under CT, MRI, ultrasound and elastography
- Gel designed to minimize needle tracking

900 Asbury Ave • Norfolk, Virginia 23513 • USA
Tel: 800.617.1177 • 757.855.2765 • Fax: 757.857.0523

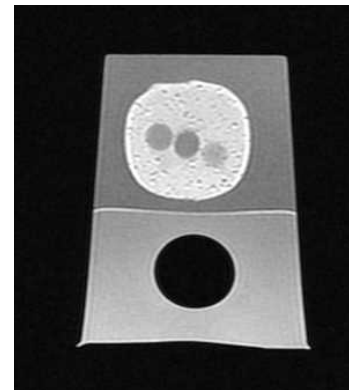
WWW.CIRSINC.COM

CIRS

Tissue Simulation & Phantom Technology



053L CT



053L MR T1 Weighted

SPECIFICATIONS

CONTAINER

Dimensions: 11.5 x 7 x 9.5 cm
 Weight: 2 lbs
 Front probe opening: 3.2 cm Ø
 Rear probe opening: 2.6 cm Ø

BACKGROUND GEL

Ultrasound appearance: anechoic
 CT appearance: dark
 MRI appearance: dark (T1 weighted)
 Elastography: soft

URETHRA

Dimensions: 7 mm Ø
 Ultrasound appearance: anechoic
 CT appearance: dark, similar to prostate
 MRI appearance: dark than prostate (T1 weighted)
 Elastography: stiffer than prostate

PROSTATE

Dimensions: 5 cm x 4.5 cm x 4 cm
 Ultrasound appearance: average echo-genicity
 CT appearance: dark, slight contrast with background
 MRI appearance: bright (T1 weighted)
 Elastography: soft, slight contrast with background
 Volume: 53 cc

SEMINAL VESICLES

Dimensions: 7 mm Ø x 10 cm long
 Imaging appearance is similar to prostate

PERINEAL MEMBRANE

3 mm thick Z-skin™ elastomer

LESIONS (053L AND 053L-EF)

Qty: 3
 Dimensions: Approximately 10 mm Ø
 Ultrasound appearance: hypoechoic
 CT appearance: bright
 MRI appearance: dark (T1 weighted)
 Elastography: stiff

RECTAL WALL

Dimensions: 6 cm x 11 cm x 0.5 cm
 Imaging appearance is similar to urethra

MODEL 053 INCLUDES

Tissue Equivalent Ultrasound Prostate Phantom
 User Guide
 6-Month Warranty

© US Patent # 5196343

PROSTATE PHANTOM SELECTION GUIDE

Model	Description	Transducer Type
053S	Prostate Phantom without Lesions	Side-Fire or BiPlane
053L	Prostate Phantom with Lesions	Side-Fire or BiPlane
053L-EF	Prostate Phantom with Lesions for End-Fire Transducer	End-Fire Transducer
053-I	Ultrasound Prostate Training Phantom	Side-Fire or BiPlane

