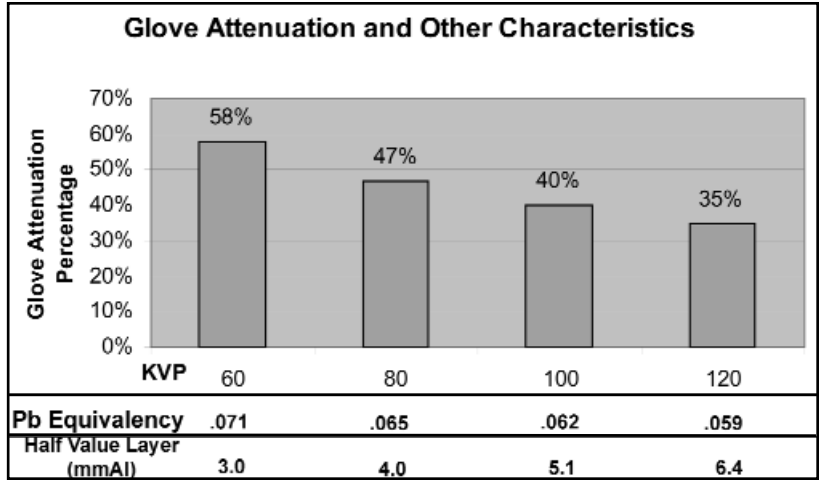


SEED IMPLANT ACCESSORIES

STERILE ATTENUATING GLOVES Fluoroscopic Protection and Touch Sensitivity



Test Method: ASTM F2547-06

Thickness:

Only 9 mils in thickness, Attenuating Gloves offer excellent flexibility, dexterity, and touch sensitivity. The thinness of the Attenuating Glove also helps reduce finger fatigue.

Lead-Free, Synthetic Rubber Composition:

Our synthetic rubber formulation avoids the proteinaceous sensitivities associated with natural latex. The lead-free composition of Attenuating Gloves eliminates EPA heavy-metal toxicity disposal concerns.

Sterile:

Each pair of Attenuating Gloves comes in a sterile package.

Item #	Description	Size
906-800	Attenuating Gloves	6 1/2
906-801	Attenuating Gloves	7
906-802	Attenuating Gloves	7 1/2
906-803	Attenuating Gloves	8
906-804	Attenuating Gloves	8 1/2
906-805	Attenuating Gloves	XL

SEED LOADING VACUUM TWEEZERS KIT

The Seed Loading Vacuum Tweezers Kit consists of a compact vacuum pump with a line switch, 5 feet of clear tubing, a vacuum line filter, a quick disconnect assembly, a vacuum pen and a 19 Ga. x 24 cm long vacuum needle (with a 130° bend).

Optional Accessories:

- Remote Foot Switch
- Vacuum Needle 19 Ga. x 24 cm L

Specifications

Vacuum: 14 Hg

Air Flow: 125 in³/min

Power: 115 VAC., 60 Hz, 2 Watts

Foot Switch Power: 125 VAC, 7 Amps

Item #	Description
906-001	Seed Loading Vacuum Kit (115 Vac)
906-002	Optional: Remote Foot Switch
162-000-01	Vacuum Pump, 115 Volts
162-000-04	Vacuum Line Filter Complete
906-008	5' Long Vacuum Hose
906-012	Quick Disconnect for Vacuum Hose
906-014	Vacuum Pen with Insulators
906-020	Optional: Vacuum Needle 19 Ga. x 24 cm Long
906-022	Vacuum Needle 19 Ga. x 24 cm Long w/ 130° Bend
455-050	50 S.S. Makers - 0.8 mm Dia. x 5 mm L (used for practice)



SEED IMPLANT ACCESSORIES

MINI BETA SHIELD

For ¹²⁵Iodine or ¹⁰³Palladium

The free standing Mini Beta Shield is made of 1/8" thick stainless steel and specifically designed to protect personnel when handling beta-emitting isotopes. The shield easily fits on a bench top or cart. The shield is ideal for protection against ¹²⁵Iodine and ¹⁰³Palladium. A 8 mm thick x 10 " square lead glass viewing area. The bottom of the shield has a 3/4" lip to contain any dropped seeds.



Arm Rest Optional

The optional arm rest is made of clear acrylic and has rubber pads to cushion the arms. The arm rest is 29" wide and 3 1/2" deep. The optional arm rest can be easily mounted to the stainless steel shield with two bolts into pre-drilled holes. The arm rest can be mounted in two different positions to the front of the shield, with arm rest forwards or backwards.

Specifications

- Viewing Area:** 10 1/4" Sq.
- Material:** 1/8" thick stainless steel
- Stainless Steel Density:** 7.916 g/cm³
- Leaded Glass Density:** 2.0 mm lead equivalency
- Lead Glass:** 4.8 g/cm³
- Lead Density:** 11.35 g/cm³
- Shielding Equivalency:**
1/2 Value Layer (¹²⁵Iodine) = .025 mm lead
- Size:** 12" W x 12" D x 20 1/2" H
- Sterilization:** Gas
- Weight:** 20 lbs

Item #	Description
906-081	Mini Beta Shield
906-082	Arm Rest for Mini Beta Shield

VERTICAL / HORIZONTAL NEEDLE BOX

For Iodine¹²⁵ and Palladium¹⁰³



The Vertical / Horizontal Needle Box is made of stainless steel with a delrin needle top and a protective cover. The delrin needle top is scribed with an alphanumeric grid pattern, which can be customized. The needle box will accept a needle length of 25 cm. There are 169 needle holes, 13 horizontal and 13 vertical rows. The needle box fits into and latches to a removable bottom, for easy retrieval of loose seeds. The box has 2 side handles for easy mobility. The protective cover has a handle on top and latches to the needle box when not in use. The needle box can be used vertical or at a 60° slope when the legs are locked.

Note: This item can be custom made to customers specifications.

Specifications

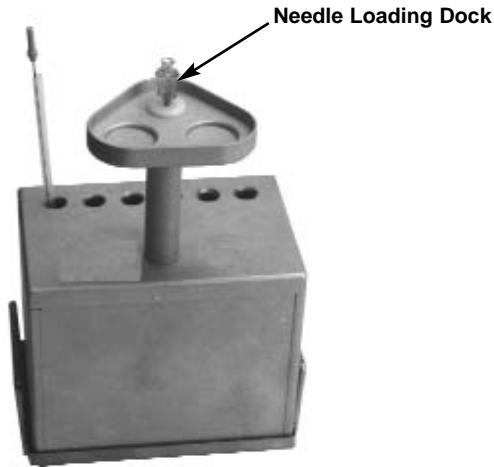
- Material:** 11 Ga. Stainless Steel with 1/2" thick Delrin top
- Density of Stainless Steel:** 7.95 g/cm³
- Density of Delrin:** 1.415 g/cm³
- Overall Size:** 9 1/4" Sq. x 16 5/8" H
- Needle Box Size:** 9 1/4" Sq. x 11" H
- Weight:** 25 lbs
- Sterilization:** Gas or autoclave

Item #	Description
906-110	Vertical / Horizontal Needle Box

SEED IMPLANT ACCESSORIES

NEEDLE LOADING BOX

For Iodine¹²⁵ and Palladium¹⁰³



The needle loading box is made of 1/4" thick aluminum. The box has a removable bottom with handles for easy retrieval of dislodged bone wax and radiation seeds from needles. The box has 6 needle tubes that are 9 mm in diameter. The rotating seed tray screws to the box and has seed and spacer holding areas (2.5 cm diameter x 3 mm deep) with a side rail to catch a seed/spacer not inserted into needle. Use the Seed Loading Vacuum Tweezers (Item 906-001) to insert seeds and spacers into needles.

Specifications

Overall Size: 4" W x 6" L x 9 1/4" H

Box Size: 4" W x 6" L x 5" H

Density: 2.7 g/cm³

Sterilization: Gas or Autoclave

Item #	Description
906-108	Needle Loading Box

STERILIZATION VIAL FOR RADIOACTIVE SEEDS



The Sterilization Vial is made of 1/8" stainless steel. Inside is a 1" diameter stainless steel mesh basket with the bottom of the basket made of 1/8" stainless steel. The basket bottom is shielded where the vial bottom is open. The vial bottom has a 2 cm diameter opening, which allows the gas or steam to go around and enter the mesh basket. The top has a screw on stainless steel cap with a Teflon® seal.

Specifications

Container Material: 1/8" Stainless Steel

Container Dimension: 1 5/8" Dia. x 2 7/8" H

Basket Material: 100 Mesh Stainless Steel

Basket Dimension: 1" Dia. x 1 7/8"

Sterilization: Autoclaved or Gas

Item #	Description
906-060	Sterilization Vial for Radioactive Seeds, Stainless Steel

DIDDLER



The Diddler is a device to adjust the position of transperineal needles as they are implanted through the templates. The Diddler is constructed of stainless steel and consists of a slender tip and knurled handle. This tip is constructed such that needles can be adjusted up, down, and sideways, even if there is a needle right next to it.

Sterilization: The Diddler can be Autoclaved.

Item #	Description
906-230	Diddler

SPRING LOCK FOR PROSTATE NEEDLES



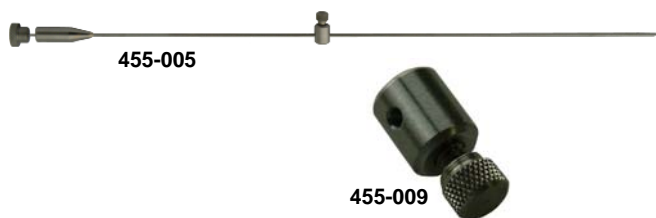
This spring lock can be used to tighten the needles used in prostate implants.

Item #	Description
906-290	Spring Lock for Prostate Needles

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SEED IMPLANT ACCESSORIES

PROSTATE MARKER IMPLANTER WITH ADJUSTABLE STOP



Specifications

Material: Stainless Steel
Point Angle: 30° Beveled
Overall Length: 26.3 cm
Outside Diameter: 1.47 mm
Inside Diameter: 1.07 mm
Stylet Diameter: 0.89 mm

Item	Description
455-005	Prostate Marker Implanter with Adjustable Stop
455-009	Adjustable Stop for 17ga. Needle for Cervix/Prostate

Implanter MUST be Sterilized Before Use

ULTRASOUND PROSTATE TRAINING PHANTOM

Specifications

Container:
Material: Clear acrylic
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

Perineal Membrane:
 3 mm thick urethane

Background Gel:
 Similar to water with very little backscatter attenuation ≈ 0.07 db/cm/MHz

Urethra:
Dimensions: 0.7 cm diameter
Material: ZerdineTM (1), high scatter

Seminal Vesicles:
Dimensions: 7 mm diameter x 10 cm long
Material: ZerdineTM (1)
Properties: Speed = 1540 m/s
 Attenuation = 0.5 dB/cm/MHz
 Backscatter similar to liver tissue

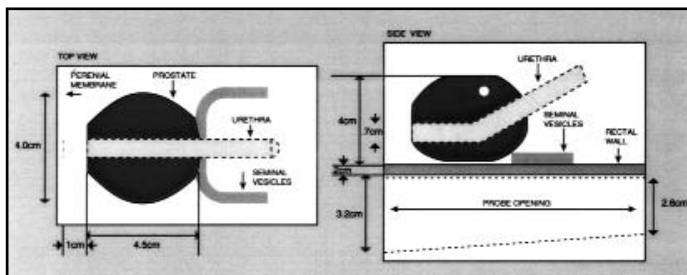
Prostate:
Dimensions: 4 cm x 4.5 cm x 4.0 cm
Material: ZerdineTM (1), low scatter

Rectal Wall:
Dimensions: 6 cm x 11 cm x .2 cm
Material: ZerdineTM (1), high scatter
Properties: Speed = 1540 m/s
 Attenuation = 0.5 dB/cm/MHz
 Backscatter similar to liver tissue

Note: This phantom is not intended to ultrasonically mimic the human prostate.

Other Features:
 Removable pubic arch
 (1) US Patent # 5196343

Item	Description
906-400	Ultrasound Prostate Training Phantom



The Ultrasound Prostate Training Phantom is a disposable phantom developed for practicing permanent seed implantation procedures. It contains several unique features to assist the teaching and learning process.

The simulated perineal membrane permits needle insertion with realistic resistance. In addition, the area below the rectal wall is a clear gel to permit visualization of probe orientation. The prostate is transparent to allow visual verification of seed placement. The phantom also includes a removable pubic arch simulation.

This modification was developed with Dr. Peter Grimm and his associates at the Seattle Prostate Institute.