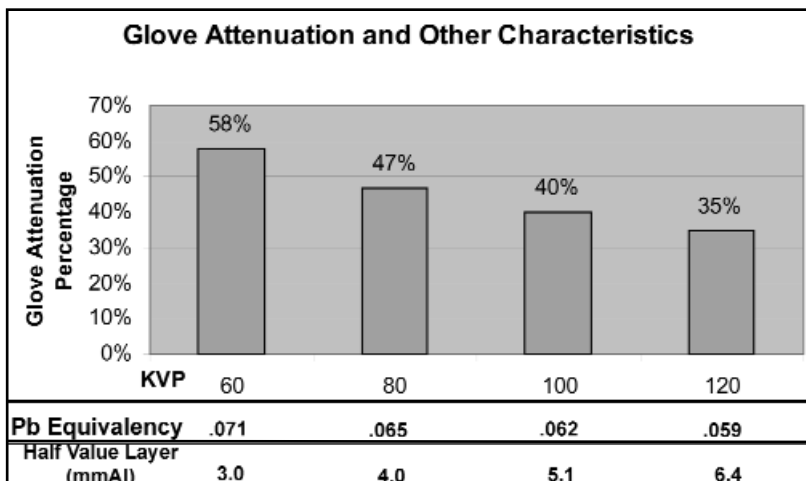


# SEED IMPLANT PRODUCTS & EYE PLAQUES

## 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 in<sup>3</sup>/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 PRODUCTS & EYE PLAQUES

## MINI BETA SHIELD

For <sup>125</sup>Iodine or <sup>103</sup>Palladium

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 <sup>125</sup>Iodine and <sup>103</sup>Palladium. 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.

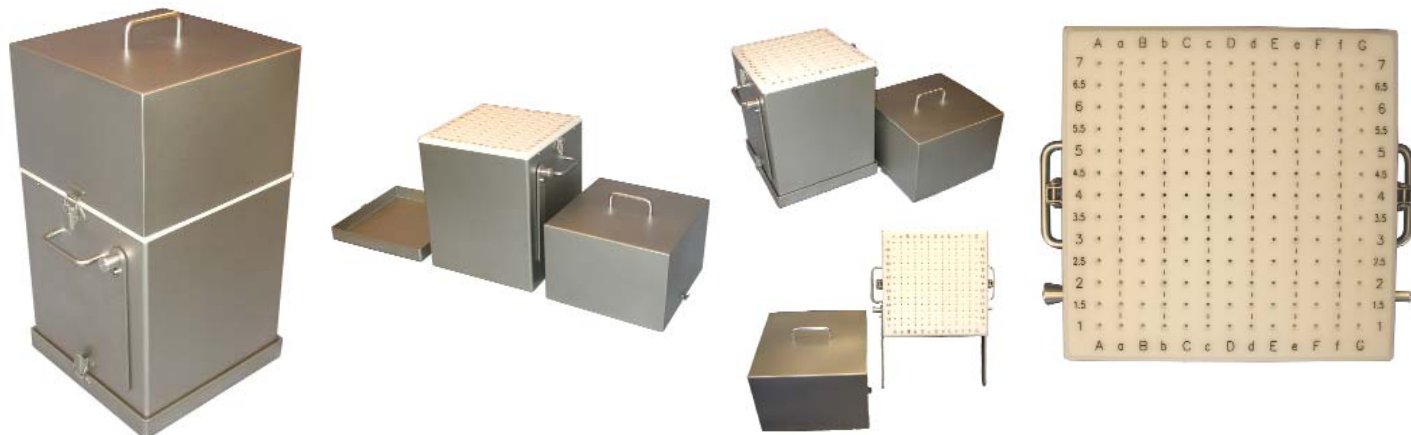
### Specifications

- Viewing Area:** 10 1/4" Sq.
- Material:** 1/8" thick stainless steel
- Stainless Steel Density:** 7.916 g/cm<sup>3</sup>
- Leaded Glass Density:** 2.0 mm lead equivalency
- Lead Glass:** 4.8 g/cm<sup>3</sup>
- Lead Density:** 11.35 g/cm<sup>3</sup>
- Shielding Equivalency:**  
1/2 Value Layer (<sup>125</sup>Iodine) = .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 Iodine<sup>125</sup> and Palladium<sup>103</sup>



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 standard alphanumeric grid pattern is Aa to G across the top and bottom and 7 to 1 in 0.5 increments along the sides from the top down. 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:** The Grid Pattern can be custom scribed to customer's specifications.

### Specifications

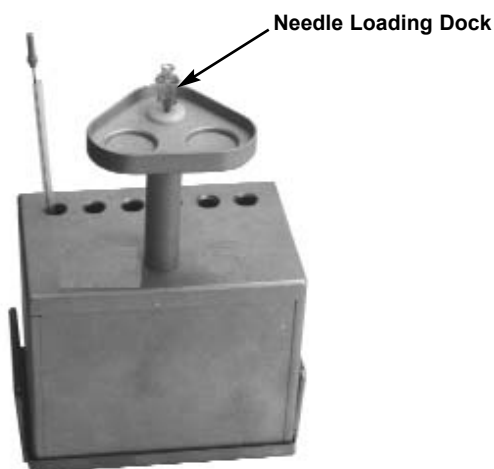
- Material:** 11 Ga. Stainless Steel with 1/2" thick Delrin top
- Density of Stainless Steel:** 7.95 g/cm<sup>3</sup>
- Density of Delrin:** 1.415 g/cm<sup>3</sup>
- Overall Size:** 9 1/4" Sq. x 16 5/8" H
- Needle Box Size:** 9 1/4" Sq. x 11" H
- Weight:** 25 lbs
- Sterilization:** Gas or autoclave

Item #	Description
906-110	Vertical / Horizontal Needle Box

# SEED IMPLANT PRODUCTS & EYE PLAQUES

## NEEDLE LOADING BOX

For Iodine<sup>125</sup> and Palladium<sup>103</sup>



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/cm<sup>3</sup>

**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

# SEED IMPLANT PRODUCTS & EYE PLAQUES

## PROSTATE MARKER IMPLANTER WITH ADJUSTABLE STOP



### Specifications

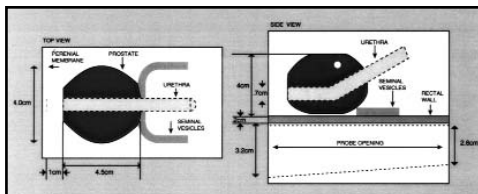
**Material:** Stainless Steel  
**Point Angle:** 30° Beveled  
**Overall Length:** 26.3 cm  
**Outside Diameter:** 1.47 mm  
**Inside Diameter:** 1.07 mm  
**Stylet Diameter:** 0.89 mm

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**

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## 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

**Urethra:**  
**Dimensions:** 0.7 cm diameter  
**Material:** Zerdine® (1), low scatter

**Seminal Vesicles:**  
**Dimensions:** 7 mm diameter x 10 cm long  
**Material:** Zerdine, high scatter

**Prostate:**  
**Dimensions:** 4 cm x 4.5 cm x 4.0 cm  
**Material:** Zerdine, low scatter

**Rectal Wall:**  
**Dimensions:** 6 cm x 11 cm x .2 cm  
**Material:** Zerdine, high scatter

**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

- Perineal membrane for needle insertion with realistic resistance
- Assess image fusion algorithms
- Test new equipment
- Optimize imaging protocols
- Improve performance of freehand abdominal biopsies

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.

# SEED IMPLANT PRODUCTS & EYE PLAQUES

## EYE PLAQUES



971-XXX-01



971-XXX-05



971-XXX-10



971-XXX-15



971-XXX-20



971-XXX-25

The eye plaques are solid 18 kt. gold. Each eye plaque has 6 suture tabs. The eye plaques can be ordered with or without a notch for the optic nerve. The clear template metal ring is made of a high nickel alloy (78%).

**Note:** Silicone seed carrier must be ordered separately and is not returnable.

### Specifications

**18 Kt Gold Density:** 15.58 g/cm<sup>3</sup>

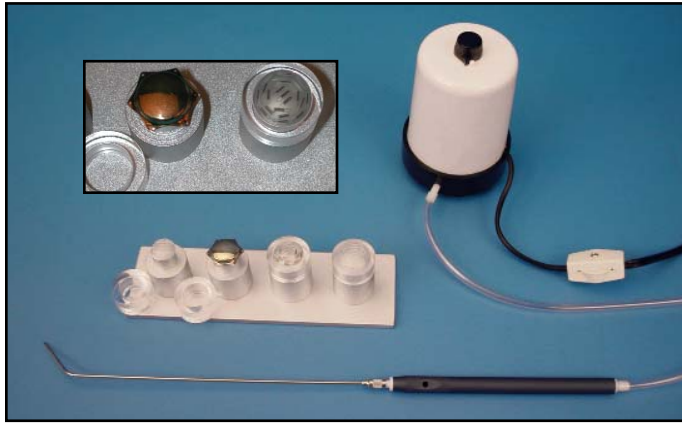
**Nickel Density:** 8.912 g/cm<sup>3</sup>

Item	Description	Size
971-010-01	Gold Eye Plaque	10 mm
971-010-05	Gold Eye Plaque, Notched	10 mm
971-010-10	Clear Template Eye Plaque	10 mm
971-010-15	Clear Template Eye Plaque, Notched	10 mm
971-010-20	Silicone Seed Carrier	10 mm
971-010-25	Silicone Seed Carrier, Notched	10 mm
971-012-01	Gold Eye Plaque	12 mm
971-012-05	Gold Eye Plaque, Notched	12 mm
971-012-10	Clear Template Eye Plaque	12 mm
971-012-15	Clear Template Eye Plaque, Notched	12 mm
971-012-20	Silicone Seed Carrier	12 mm
971-012-25	Silicone Seed Carrier, Notched	12 mm
971-014-01	Gold Eye Plaque	14 mm
971-014-05	Gold Eye Plaque, Notched	14 mm
971-014-10	Clear Template Eye Plaque	14 mm
971-014-15	Clear Template Eye Plaque, Notched	14 mm
971-014-20	Silicone Seed Carrier	14 mm
971-014-25	Silicone Seed Carrier, Notched	14 mm
971-016-01	Gold Eye Plaque	16 mm
971-016-05	Gold Eye Plaque, Notched	16 mm
971-016-10	Clear Template Eye Plaque	16 mm
971-016-15	Clear Template Eye Plaque, Notched	16 mm
971-016-20	Silicone Seed Carrier	16 mm
971-016-25	Silicone Seed Carrier, Notched	16 mm
971-018-01	Gold Eye Plaque	18 mm
971-018-05	Gold Eye Plaque, Notched	18 mm
971-018-10	Clear Template Eye Plaque	18 mm
971-018-15	Clear Template Eye Plaque, Notched	18 mm
971-018-20	Silicone Seed Carrier	18 mm
971-018-25	Silicone Seed Carrier, Notched	18 mm
971-020-01	Gold Eye Plaque	20 mm
971-020-05	Gold Eye Plaque, Notched	20 mm
971-020-10	Clear Template Eye Plaque	20 mm
971-020-15	Clear Template Eye Plaque, Notched	20 mm
971-020-20	Silicone Seed Carrier	20 mm
971-020-25	Silicone Seed Carrier, Notched	20 mm
971-022-01	Gold Eye Plaque	22 mm
971-022-05	Gold Eye Plaque, Notched	22 mm
971-022-10	Clear Template Eye Plaque	22 mm
971-022-15	Clear Template Eye Plaque, Notched	22 mm
971-022-20	Silicone Seed Carrier	22 mm
971-022-25	Silicone Seed Carrier, Notched	22 mm

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# SEED IMPLANT PRODUCTS & EYE PLAQUES

## EYE PLAQUES LOADING STAND



The Eye Plaque Loading Stand is designed to hold the Silicone Seed Carriers (971-xxx-20 or 971-xxx-25) for easier loading of the seeds into the Carriers and Eye Plaques. The Eye Plaque Loading Stand is comprised of an aluminum base with aluminum and acrylic holders. The aluminum base is 2" (5.08 cm) wide and 3/16" (0.188 cm) thick with the length dependant on the number of holders. The holders have a 1" diameter x 0.9" high (2.54 x 2.29 cm) aluminum base with a 0.5" (1.27 cm) high acrylic ring on top. The acrylic ring can be made for the following sizes of Seed Carriers: 10 mm, 12 mm, 14 mm, 16 mm, 18 mm, 20 mm and 22mm.

This item is custom made to the customer's specifications as to the size and number of holders needed on the stand. Customer must specify the size of holders needed, 10 mm, 12 mm, 14 mm, 16 mm, 18 mm, 20 mm and 22mm.

Item	Description
971-050	Eye Plaque Loading Stand

## TUNGSTEN EYE SHIELD FOR EYE PLAQUE



The Tungsten Eye Shield with 3 suture holes is placed on top of the eye plaque for shielding behind the eye.

### Specifications

**Tungsten Density:** 17 g/cm<sup>3</sup>

**Thickness:** 1 mm

**Radius:** 10.2 mm

**Diameter:** 18.3 mm

Item	Description
971-110	Tungsten Eye Shield for Eye Plaque

## SHIELDED EYE PLAQUE BOX

### For Gas Sterilization



- Double box design prevents radiation leakage

The outer box of the Shielded Eye Plaque Box is made of stainless steel which has a handle, latch, and piano hinge. The top, bottom, and two sides are lined with 1/16" (0.16 cm) thick lead. The two ends are perforated stainless steel to allow the gas to flow through the box. The inside liner is perforated stainless steel and the two ends are lined with 1/16" (0.16 cm) thick lead to prevent radiation leakage. There are two compartments for the eye plaques, each compartment size is 1.25" x 1.25" x 7/8" deep (3.175 x 3.175 x 2.23 cm).

Item	Description
936-950	Shielded Eye Plaque Box for Gas Sterilization