

ZEVALIN™ Y-90 REACTION VIAL SHIELD



Designed for the reaction vial supplied in the Y-90 Zevalin™ kit

- Lead and aluminum construction attenuates beta and bremsstrahlung radiation
- Inside height and diameter sized specifically for Y-90 reaction vial
- Pivoting aperture cover for quick and convenient access to vial septum
- Removable top and bottom to minimize exposure during vial transfer

Y-90 Zevalin mixing and dose drawing is performed using a 10 ml reaction vial supplied by IDEC in the Zevalin kit. This shield is designed to fit that specific vial, and to attenuate beta and bremsstrahlung radiation associated with yttrium-90. The shield's top and bottom are threaded and knurled to allow quick insertion and removal of vials with minimal hand exposure. The top cover incorporates a septum access aperture with a pivoting shield to further reduce exposure.

SPECIFICATIONS:

Dimensions: 2.2" dia x 3.2" h (5.6 x 8.1 cm)

Inside Dimensions: 1.06" dia x 2" h (4 x 5.1 cm)

Shielding:

Cylinder: 0.5" thick (1.3 cm) lead and 0.06" thick (1.5 mm) aluminum

Bottom End Cap: 0.5" thick (1.3 cm) lead and 0.06" thick (1.5 mm) aluminum

Top End Cap: 0.25" thick (0.64 cm) lead

Cover: 0.31" thick (0.79 cm) lead, 0.06" thick (1.5 mm) aluminum

Weight: 3.9 lb (1.8 kg)

053-607 Vial Shield, Y-90, Reaction, 10 ml

TUNGSTEN VIAL SHIELD



- Virtually unbreakable
- Safe handling of radioactive liquids

The Tungsten Vial Shield is designed to greatly reduce exposure to vials containing liquid radioisotopes. The shield is constructed of .19" (.48 cm) thick tungsten, equivalent to .38" (1 cm) lead at 150 keV.

Vials up to 30 ml can be loaded from the top or bottom of the shield. A loss-proof slide injection port on the top allows easy access to the vial septum.

The tough tungsten will retain its shape under the roughest handling and is virtually unbreakable.

SPECIFICATIONS:

Dimensions: 1.44" dia x 2.8" h (3.7 x 7 cm)

I.D.: 1" x 2.25" (2.5 x 5.7 cm)

Lead Equivalency: .38" (1 cm)

Weight: 1.65 lb (0.75 kg)

053-805 Vial Shield, Tungsten

VIAL SHIELD



For heated preparation of Sulphur Colloid, MAG-3, Cardiolite, AcuTect and NeoTect

This Vial Shield is designed to aid in preparation of radiopharmaceuticals that require boiling.

Vents are located to minimize scatter leakage, boiling water can circulate freely around the vial, heating the solution rapidly and uniformly. The carrying handle makes it easy to lower and remove the vial from the boiling water bath.

The vial is constructed of lead .25" (.64 cm) thick. A 5.6 density flush mounted lead glass window provides protection and visibility. The radiation level for 25 mCi of Tc-99m is reduced to background.

SPECIFICATIONS:

Dimensions: 2" dia x 3.875" h (5 x 9.8 cm)

Lead Shielding: .25" thick (.64 cm)

Accommodates Vial Sizes: up to 1.5" dia x 3.125" h (3.8 x 7.9 cm)

Weight (including handle): 3 lb (1.4 kg)

001-236 Vial Shield, .25" lead

NEW VIAL PIG



Compatible with the PET Shipping System

Vials containing PET or other high-energy radionuclides can be safely transported in this 10/30ml Vial Pig. The pig offers a minimum of 1" of lead shielding to accommodate the concentrated energy.

The Vial Pig can be used independently or with the Biodex PET Shipping System, which meets DOT II Type A packaging requirements.

SPECIFICATIONS:

Dimensions:

Exterior: 6.63" h x 4.15" dia (16.8 x 10.5 cm)

Interior: 2.76" h x 1.51" dia (7 x 4.4 cm)

Lead Shielding:

Sides and Bottom: 1" thick (2.5 cm)

Top: 1.75" (3.8 cm)

Weight: 21.3 lb (9.7 kg)

001-706 Pig, Vial, PET, 10/30 ml, 1" lead
For 30 ml vials

Includes: 001-707 Vial Pig Adapter, to accommodate 10 ml vials and three Absorbent Sheets

Related:

001-771 Sheets, Absorbent, 100/pkg

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