

PRO-TEC® II SYRINGE SHIELD



Available with or without glass

- 2 mm thick Tungsten shielding
- 5.05 density lead glass window
- Lightweight
- Fits most disposable syringes
- Unobstructed visibility to tip of syringe
- Replacing scratched or broken glass is simple – no gluing required
- Easily sanitized with alcohol wipes

Thin, lightweight and easy to use, the Pro-Tec II is designed to reduce hand exposure for clinicians during preparation and administration of radiopharmaceuticals.

The barrel of the shield is constructed of 2 mm thick tungsten that will reduce radiation exposure from Tc-99m by more than 99% attenuation for Tc-99 tested with TLD chips. A 5.05 density lead glass window provides protection and visibility. A white reflective surface on the shield interior improves viewing of the syringe's markings and fluid content. A bezel around the lead glass helps protect it from scratching or breaking. A thumbscrew holds syringes firmly in place.

Pro-Tec® II Syringe Shields accommodate the standard sized 3 cc and 5 cc syringes.



Unobstructed visibility to tip of syringe



A thumbscrew holds syringe firmly in place.

Pro-Tec® II Syringe Shields with lead glass window:

007-800 Syringe Shield, 3 cc

007-900 Syringe Shield, 5 cc

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Pro-Tec® II Syringe Shields without lead glass window:

007-801 Syringe Shield, 3 cc

007-901 Syringe Shield, 5 cc

Replacement Glass for Pro-Tec® II Syringe Shields:

127-735 Syringe Shield Replacement Glass,
3 cc and 5 cc

PRO-TEC® III SYRINGE SHIELD

Upon insertion, Safe-T-Lock automatically secures syringe; release with the push of a button.



Design accommodates most 1 cc, 2.5 cc, 3 cc, 5 cc and 10 cc syringes

- *2 mm thick Tungsten shielding*
- *5.05 density lead glass window*
- *Safe-T-Lock firmly secures syringe to avoid rotating*
- *Safe-T-Lock design reduces exposure with faster handling*
- *Unobstructed visibility to tip of syringe*
- *Replacing scratched or broken glass is simple – no gluing required*
- *2.5 cc syringe shield accommodates HSW brand syringes*
- *Easily sanitized with alcohol wipes*

The Pro-Tec® III Syringe Shield is designed to reduce hand exposure in clinicians preparing and administering radiopharmaceuticals. With its lightweight, sleek design, this syringe shield is easy to use.

The barrel of the shield is constructed of 2 mm thick tungsten that will reduce radiation exposure from Tc-99m by more than 99% attenuation for Tc-99 tested with TLD chips. A 5.05 density lead glass window provides protection and optimal visibility. A white reflective surface on the shield interior improves viewing of the syringe's markings and fluid content. A bezel around the lead glass helps protect it from scratching or breaking.

The quick release, Safe-T-Lock is designed to facilitate minimal handling, thereby reducing hand exposure. Upon insertion, the Safe-T-Lock grips and securely locks the syringe into place. Disposing of used syringes is easy; invert the syringe shield over a sharps container, press the release button and the syringe freely disengages.

Pro-Tec® III Syringe Shields accommodate the standard sized 1 cc, 3 cc, 5 cc and 10 cc syringes.



Lightweight

Pro-Tec® III Syringe Shields:

007-723 Syringe Shield, 1 cc (BD luer lock)

007-734 Syringe Shield, 1 cc (press fit)

007-755 Syringe Shield, 2.5 cc

007-735 Syringe Shield, 3 cc

007-736 Syringe Shield, 5 cc

007-738 Syringe Shield, 10 cc

Replacement Glass for Pro-Tec® III Syringe Shields:

127-734 Syringe Shield Replacement Glass, 1 cc

127-735 Syringe Shield Replacement Glass, 3 cc and 5 cc

127-738 Syringe Shield Replacement Glass, 10 cc

PRO-TEC® IV SYRINGE SHIELD

High density lead glass with a full 360° view - all the features you want combined in a single shield



Complete visibility of syringe contents

- 5.6 High density lead glass shielding; 360-degree barrel view
- Lightweight
- Fits most disposable syringes
- Safe-T-Lock design reduces exposure with faster handling
- 5 cc syringe shield – ideal for Quadramet®
- Easily sanitized with alcohol wipes

Convenient to use, the Pro-Tec® IV Syringe Shield reduces hand exposure and maximizes the viewing area.

The barrel of the shield is constructed of optically clear, 5.6 high-density lead glass. The 360° view and a tapered end on the lead glass barrel provide complete visibility of the syringe contents, allowing for faster and easier venipuncture. The high density lead glass significantly reduces radiation exposure from Tc-99m by more than 99% attenuation for Tc-99 tested with TLD chips.

The Safe-T-Lock is designed to facilitate minimal handling, reducing hand exposure. Upon insertion, the Safe-T-Lock grips and securely locks the syringe into place. Disposing used syringes is easy; invert the syringe shield over a sharps container, press the release button and the syringe freely disengages.

Pro-Tec® IV Syringe Shields accommodate standard sized 1 cc to 10 cc syringes.

Pro-Tec® IV Syringe Shields:

- **007-670** Syringe Shield, 1 cc
- **007-675** Syringe Shield, 3 cc
- **007-680** Syringe Shield, 5 cc
- **007-685** Syringe Shield, 10 cc



High density lead glass reduces hand exposure

QUADRAMET SYRINGE SHIELD

Pro-Tec IV Syringe Shield used for Quadramet



The Pro-Tec® IV 5 cc Syringe Shield is an ideal shield for the administration of Quadramet®. The high-density lead glass significantly reduces radiation exposure from Sm-153 by greater than 99%.

- **007-680** Syringe Shield, Pro-Tec IV, 5 cc
Suitable for Quadramet

PRO-TEC® PET SYRINGE SHIELD



- Constructed of .34" thick (9 mm) tungsten, attenuates FDG F-18 by 88%
- Available with or without a high density lead glass window
- Fits most disposable syringes
- Easily sanitized with alcohol wipes

The Pro-Tec® PET Syringe Shield reduces hand exposure from syringes containing 511 keV radionuclides. The barrel of the shield is constructed of .34" thick (9 mm) tungsten that attenuates FDG F-18 by 88%.

The syringe shield is offered with or without a high density (5.6) flush mounted lead glass window that provides protection and visibility. A white reflective surface on the shield interior improves viewing of the syringe's markings and fluid content. A thumbscrew holds syringes firmly in place.

Pro-Tec® PET Syringe Shields accommodate the standard sized 1 cc, 3 cc, 5 cc and 10 cc syringes. The Manual Dose Injector is an ideal companion, providing both additional shielding and distance.

SPECIFICATIONS:

Shielding: .34" thick (9 mm) tungsten

Lead Glass: 5.6 density

Weight:

007-973 & 007-983: 1.4 lb (.64 kg)

007-975 & 007-990: 1.7 lb (.83 kg)

007-980 & 007-995: 2.3 lb (1.05 kg)

Pro-Tec® PET Syringe Shields with lead glass window:

007-973 Syringe Shield, 3 cc

007-975 Syringe Shield, 5 cc

007-980 Syringe Shield, 10 cc

Pro-Tec® PET Syringe Shields without lead glass window:

007-983 Syringe Shield, 1 cc

007-985 Syringe Shield, 3 cc

007-990 Syringe Shield, 5 cc

007-995 Syringe Shield, 10 cc

Replacement Glass:

007-974 Glass, Replacement

For Pro-Tec PET and Gaard Lock

PET Syringe Shields 007-973, 007-975,

007-980, 007-716, 007-717 and 007-718

NEW PRO-TEC® PET/MR SYRINGE SHIELD



- MR Conditional for 3T
- Ideal for the administration of high-energy isotopes for PET/MR imaging
- Constructed of .34" thick (9 mm) tungsten; attenuates FDG F-18 by 88%
- Easily sanitized with alcohol wipes

This non-magnetic, Pro-Tec PET/MR Syringe Shield reduces hand exposure from syringes containing 511 keV radionuclides. The barrel of the shield is constructed of .34" thick (9 mm) tungsten which attenuates FDG F-18 by 88%. The shield is clearly labeled and engraved as MR safe to avoid confusion.

A 5.6 high density, flush-mounted, lead-glass window provides additional protection and optimal visibility. A white reflective surface on the shield interior improves viewing of the syringe's markings and fluid content. A thumbscrew holds syringes firmly in place.

The Pro-Tec PET/MR Syringe Shield accommodates the standard sized 3 cc and 5 cc syringes.

SPECIFICATIONS:

Shielding: .34" thick (9 mm) tungsten

Lead Glass: 5.6 density

Pro-Tec® PET/MR Syringe Shields:

007-961 Syringe Shield, 3 cc

007-962 Syringe Shield, 5 cc



GAARD LOCK™ PET SYRINGE SHIELD



Available with or without high-density lead glass

- Unique flange locking design reduces exposure with faster handling
- Constructed of .34" thick (9 mm) tungsten, attenuates FDG F-18 by 88%
- Available with or without a high density lead glass window
- Easily sanitized with alcohol wipes

The Gaard Lock™ PET Syringe Shield reduces hand exposure from syringes containing 511 keV radionuclides FDG F-18. The barrel of the shield is constructed of .34" thick (9 mm) tungsten that attenuates FDG F-18 by 88%.

The syringe shield is offered with or without a high density (5.6) flush mounted lead glass window that provides protection and visibility. A white reflective surface on the shield interior improves viewing of the syringe's markings and fluid content.

The syringe shield features a unique flanged locking mechanism that speeds the loading and unloading of the syringe, further reducing hand exposure.

Gaard Lock PET Syringe Shields accommodate the standard sized 3 cc, 5 cc and 10 cc syringes. The Gaard Lock PET Syringe Shield fits the Manual Dose Injector.

SPECIFICATIONS:

Shielding: .34" tungsten (9 mm)
Lead glass: 5.6 density

007-711 & 007-716 Gaard Lock Syringe Shield, 3 cc
Dimensions: 2.9" l (74 mm)
Weight: 1.7 lb (.77 kg)

007-712 & 007-717 Gaard Lock Syringe Shield, 5 cc
Dimensions: 3" l (76 mm)
Weight: 2 lb (.91 kg)

007-713 & 007-718 Gaard Lock Syringe Shield, 10 cc
Dimensions: 3.6" l (91 mm)
Weight: 3 lb (1.4 kg)

Gaard Lock™ PET Syringe Shields with lead glass window:

- 007-716 Syringe Shield, 3 cc
- 007-717 Syringe Shield, 5 cc
- 007-718 Syringe Shield, 10 cc

Gaard Lock™ PET Syringe Shields without lead glass window:

- 007-711 Syringe Shield, 3 cc
- 007-712 Syringe Shield, 5 cc
- 007-713 Syringe Shield, 10 cc

Replacement Glass:

- 007-974 Glass, Replacement
For Pro-Tec PET and Gaard Lock
PET Syringe Shields 007-973, 007-975,
007-980, 007-716, 007-717 and 007-718

Z-PET SYRINGE SHIELD



Extra thick wall for extra protection

- Constructed of .55" thick (14 mm) tungsten, attenuates FDG F-18 by 97%
- Easily sanitized with alcohol wipes

The Z-PET Syringe Shield greatly reduces hand exposure from syringes containing 511 keV radionuclides. The barrel of the shield is constructed of .55" thick (14 mm) tungsten that attenuates FDG F-18 by 97%. The shield accommodates standard 5 cc syringes. The Manual Dose Injector is an ideal companion, providing both additional shielding and distance.

SPECIFICATIONS:

Dimensions: 2.75" l x 1.7" dia (7 x 4.3 cm)
Shielding: .55" thick (14 mm) tungsten
Weight: 3.7 lb (1.7 kg)

- 007-945 Syringe Shield, Z-PET, 5 cc*

*Z-PET Syringe Shield was conceived by
Michael Zimmer, Ph.D.