

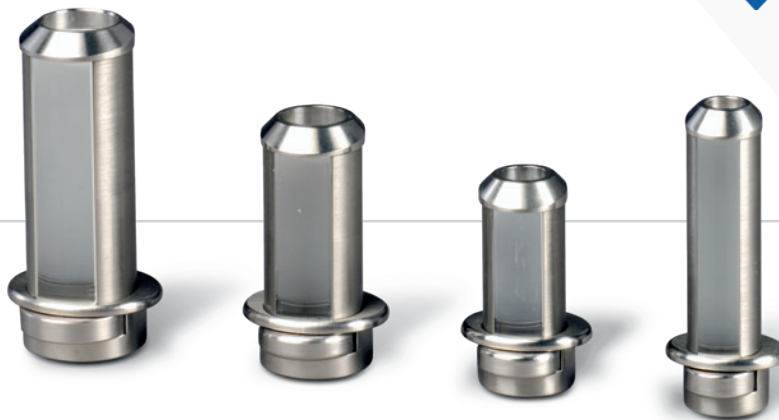
MEDICLIC

RANGE OF TUNGSTEN SYRINGE SHIELDS FOR RADIOPHARMACEUTICAL SUBSTANCES

ALL ENERGIES



SPECT PET

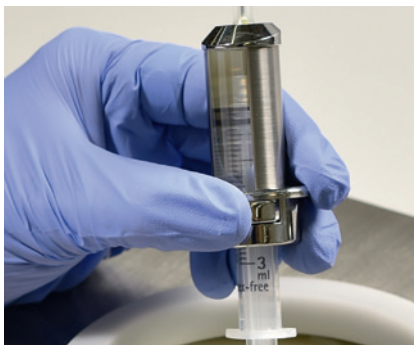


The Mediclic tungsten syringe shield **reduces exposure while allowing for ultra-fluid handling**, and is designed to reduce radiation to the user's hands and fingers during manual preparation and injection of radiopharmaceuticals. Mediclic shields which are provided in 2 and 5 mm tungsten thicknesses, guarantee radiation protection and compatibility with all isotopes handled in nuclear medicine, whether for SPECT or PET activities for low, medium and high energy, such as ^{99m}Tc , ^{111}In , ^{123}I , ^{177}Lu , ^{201}Tl , ^{131}I , ^{18}F , ^{68}Ga , etc.

The innovative and streamlined design of the Mediclic syringe shield offers an ergonomic grip that helps **operator dexterity** during direct IV administration of the radiopharmaceutical.

Connection to an IV cannula or other peripheral venous line is also possible under perfectly adapted aseptic and safe conditions.

The **“click” system** allows for easy positioning, insertion as well as simple and ultra fast removal of the syringe.



The wide range of references provides for a complete range adapted to a large number of disposable syringe models which can be used in the Nuclear Medicine department.

Safety and reliability are ensured by the large viewing window made of high-density lead glass with magnifying effect, which

provides visual comfort both for monitoring the volume of the radiopharmaceutical during administration and for facilitating syringe preparation during administration and radiolabelling operations, reconstitution of cold kits and fractionating of radiopharmaceutical stock solutions.



ASSOCIATED PRODUCTS

- Crocobox carrier
- Easybox carrier
- PRA3/PRA10 needle bins
- PFE/PME/PHE vial shields

FOCUS

The tungsten structure of the Mediclic syringe shield body allows for an attenuation of more than 99 % for an activity of 740 MBq of ^{99m}Tc and 77 % for an activity of 300 MBq of ^{18}F . It guarantees optimum radiation protection conditions for the operators' hands aduring the various radiopharmaceutical manipulations.

Easy viewing: the large size of the radiation protected viewing window made of lead glass (density 5.2) combined with the internal Teflon sleeve, resistant to radiation and decontaminating products, allows to perfectly view the volume held in the syringe as well as all its graduations, and thus enable improved **working comfort** and unequalled visual precision.

The bevelled end of the syringe shield, made of 316L stainless steel, provides a secure view to check the connection between the syringe and the needle or 3-way valve. This special finish also ensures the robustness required when cleaning the syringe shield by immersion in disinfectant and decontaminant baths and prevents possible breakage and scratches of the lead glass.

The intelligent design of Mediclic allows the operator to easily clean the syringe shield by immersion or using a disinfectant wipe. This innovative design also allows, if necessary, quick replacement of the lead glass window by the operator in a matter of minutes. No adhesives or special technical operations are required.



“CLICK” SYSTEM

The “click” system, composed of a 316L stainless steel pin and spring, allows to easily insert the syringe, in the required position. The operator can rotate the syringe as required and change the depth of insertion.

Once the position has been chosen, the “click” system secures the syringe in position, with no risk of moving while the radiopharmaceutical is being administered to the patient. Ensuring that the injection is safe and the operator is always protected.



Ultra fast insertion and removal of the syringe with the “click” system

CHARACTERISTICS

General	1 mL short	1 mL long	2 mL	2 mL «BD Emerald»	2,5 mL	3 mL short	3 mL long	5 mL short	5 mL long	10 mL short	10 mL long
Size planned for the syringe:	70 mm	74 mm	52 mm	49 mm	58 mm	62 mm	68 mm	59 mm	62 mm	73 mm	82 mm
Component parts:	Tungsten body / 316L stainless steel profile tip / Teflon inner sleeve										
LOW & MEDIUM ENERGY											
Radiation protection:	2 mm tungsten / 6.25 mm lead glass (density 5.2)										
Ref.:	00017507	00017506	00017509	00019790	00017508	00017515	00017514	00017511	00017510	00017513	00017512
Weight:	0,12 kg	0,13 kg	0,11 kg	0,1 kg	0,12 kg	0,13 kg	0,14 kg	0,14 kg	0,16 kg	0,21 kg	0,23 kg
Ref. spare kit - lead glass:	00005366		00005368		00004281	00008199	00007314	00008200		00020118	00007315
HIGH ENERGY											
Radiation protection:	5 mm tungsten / 9.25 mm lead glass (density 5.2)										
Ref.:	00013044	00013045	00013046	00034056	00013047	00013048	00013049	00013050	00013051	00013052	00013053
Weight:	0,30 kg	0,31 kg	0,23 kg	0,23 kg	0,27 kg	0,29 kg	0,32 kg	0,34 kg	0,35 kg	0,47 kg	0,53 kg
Ref. spare kit - lead glass:	00004280		00004282		00005367	00023643	00034035	00006335		00029619	00029620
Package											
Package dimensions:	L 240 x D 180 x H 50 mm										
Package weight:	0.130 kg + weight of syringe shield										