

POSISAFE® TYPE A



SHIELDED TRANSPORT AND STORAGE CONTAINERS FOR RADIOACTIVE SOURCES

ALL ENERGIES



SPECT PET



REGULATORY COMPLIANCE - TYPE A PACKAGES:

Lemer Pax provides empty packaging that has undergone the qualification tests for Type A packages in accordance with IAEA Safety Standard - Regulations for the Safe Transport of Radioactive Material (2018 Edition). The Type A package provides containment during the transport phase of radioactive materials to protect people and the environment from contamination and exposure to radiation from radioisotopes:

- UN 2915: Radioactive material, Type A package non-special form, non-fissile or fissile-excepted.
- UN 2910: Radioactive material, excepted package-limited quantity of material.
- UN 2908: Radioactive material, excepted package-empty packaging.

- UN 3322: Radioactive material, low specific activity (LSA-III) non-fissile or fissile excepted. The radiation protection consists of 30 mm of lead equivalence in order to obtain a uniform surface exposure rate in compliance with the IAEA Safety Standard during all phases of transport. The radioactive materials placed in the Type A package are calculated by the user of the packaging in accordance with IAEA Safety Standard - Regulations for the Safe Transport of Radioactive Material (2018 Edition).

IAEA - No. SSR-6 (2018) Regulations for the Safe Transport of Radioactive Material. Definition of Exclusive Transport: § 221 Non-exclusive shipment by rail or road: § 573

FOCUS

The wide range of Posisafe® products is available in several container models: in 20 mm tungsten "Posisafe® W20", 30 mm "Posisafe® W30" or in 30 mm lead with "Posisafe® Pb30". Thus a wide choice is possible in order to guarantee the radiation protection adapted to the radioisotope considered.



Radioactive sources can be safely contained in Lemer Pax shielded transport and storage containers during transfer and storage to protect operators and the environment from contamination and exposure to alpha, beta, gamma and neutron radiation. These shielded containers are approved as Type A packages with package (UN 2915 and UN 2908) for radioactive materials other than special forms, non-fissile or fissile excepted, regardless of the mode of transport: road, air, sea and rail.

CHARACTERISTICS

Container	Posisafe® W20	Posisafe® W30	Posisafe® Pb30
Inner dimensions:	Ø 33 x H 65 mm		
Outer dimensions of the container:	L 106 x H 188 mm	L 118 x H 206 mm	L 115 x H 188 mm
Radiation protection:	20 mm tungsten	30 mm tungsten	30 mm lead under stainless steel inner and outer casing
Weight of container only:	8 kg	14 kg	10.5 kg
Ref. container only:	00017444	00005206	00027610

Type A package with "220" package (package + container)

Outer dimensions:	L 220 x D 220 x H 305 mm		
Weight of the entire package:	12 kg	18 kg	14.5 kg
Complete package ref.:	00029568	00029569	00028672

Type A package with "360" package (package + container)

Maximum ¹⁸ F activity for the dose rate at the surface < 2mSv/h:	650 mCi 25 GBq	5,500 mCi 200 GBq	1,200 mCi 46 GBq
Outer dimensions:	L 360 x D 360 x H 370 mm		
Weight of the entire package:	13 kg	19 kg	15.5 kg
Complete package ref.:	00029873	00019632	00029010

Radiation protection is improved with the two package models proposed, increasing the distance factor to the source during package handling operations.

The integrity of the transported radioactive source is guaranteed with the fireproof holding and stability foam absorbing potential shocks of the container with a temperature resistance from -40°C to +70°C.

The safety and ergonomics of the Posisafe® are ensured by a large locking handle screwed on each model as well as a lid with an O-ring, guaranteeing a tight containment of the transported source as well as a good grip and stability of the container.

The compatibility of each model with our fractionating hot cells and our Posijet® preparation and injection unit, capable of receiving multi-dose vials of radiopharmaceuticals, makes it the essential multi-functional and multi-purpose container in Nuclear Medicine.