CONT'ELU ELUTION POTS

SHIELDED POTS FOR ELUTION

LOW & MEDIUM **ENERGY**

SPECT

ASSOCIATED PRODUCTS

- Medi handling tongs
- Positong handling tongs
- Mediclic syringe shields
- Easyview syringe shields

Download
the product data sheet
at lemerpax.com

4.1.5.

The Cont'Elu shielded pot is the **essential accessory** specifically designed to perform **^{99}Mo/^{99m}Tc** radiopharmaceutical generator elutions and to collect the injectable sodium pertechnetate (^{99m}Tc) stock solution essential for the radiolabelling of many kits, necessary for the performance of common **scintigraphic examinations** in conventional nuclear medicine or SPECT.
The Cont'Elu range is **compatible with all models of generators** on the market, and is available in several references with a "viewing window" or **"full view"** to correspond to all service applications and to allow **visual control of the vial** and its contents concerning the **identification of the solution**, its **volume** and its **appearance** throughout its use.

4.1.1. švinas, švinuotas stiklas

4.1.3.

4.1.2. 4.1.5.

4.1.4.

This **light weight** (less than 1 kg) and **compact-sized** Cont'Elu pot can also be used as a conventional vial shield for various daily radiopharmaceutical preparations.

FOCUS

In terms of **radiation protection,** the **Cont'Elu's structure** is made up of a combination of two types of shielding: **6 mm lead** and **14 mm lead glass,** which provides more than 99 % attenuation of the 140 KeV gamma radiation from ^{99m}Tc. The "full view" models are equipped with cylinders made entirely of **high-density** lead glass 5.2, guaranteeing a **360° view** of the vial and its contents and **maximum protection**.

The Cont'Elu shielded pot is equipped with a **sealed closing system**, and **secured** with a screw-on **shielded cap** fitted with a **sliding bar** with a lead disc, which locks access to the radiopharmaceutical vial and prevents any risk of leakage and contamination in the event of a spill.

The Cont'Elu is **durable and very resistant**, and covered with 316L stainless steel with a mirror-polished finish to allow **easy maintenance** and **decontamination,** including by immersion.
A special feature has been developed with the Zevalin Cont'Elu, which features a specific adapter to match the ^{90}Y-labelled radiopharmaceutical vial, allowing it to be positioned correctly and thus facilitating sampling. The particularly elongated body of this shielded pot allows full visibility of the vial and its contents with its integral laminated lead glass construction, for enhanced safety.

Radiation protection:

Radionuclides	% of attenuation
^{99m}Tc	99,99 %
^{111}In	99,53 %
^{201}Tl	99,99 %
^{177}Lu	99,89 %

CHARACTERISTICS

General	Cont'Elu Full view (Ultra Technekow™ FM compatible)	Cont'Elu Full view (Tekcis® compatible)	Cont'Elu Full view - Lying down (Zevalin vial compatible)	Cont'Elu with viewing window (Tekcis® compatible)
External dimensions:	Ø 59,5 x H 75,6 mm	Ø 59,5 x H 80 mm	Ø 59,5 x H 80 mm	Ø 54.25 at max. width x H 84.5 mm
Internal dimensions:	Ø 26,5 x H 50,1 mm			
Material:	Structure 316 L stainless steel			
Height of lead glass cylinder:	34,5 mm	34,5 mm	47,9 mm	N/A
Dim. of lead glass window:	Ø 54,5 x H 32 mm	Ø 54,5 x H 32 mm	Ø 54,5 x H 45,5 mm	L 22 x H 30 mm
Radiation protection:	6 mm lead / 14 mm lead glass			6 mm lead / 12 mm lead glass
Lead glass density:	5,2			
Weight:	0,96 kg	0,92 kg	0,94 kg	0,97 kg
Complement:			Delivered with Zevalin vial adapter ID: 16.5 x H 36 mm	
Package				
Package dimensions:	L 70 x D 70 x H 100 mm			
Package weight:	1,2 kg			
Ref.:	00025868	00005265	00025809	00005264
Ref. spare kit - lead glass:	00004283		00025801	00004279
Ref. spare kit - plug:	N/A	N/A	00022808	N/A

4.

EASY**VIEW**

COMPLETE RANGE OF TUNGSTEN SYRINGE SHIELDS

ALL **ENERGIES**

SPECT **PET**

ASSOCIATED PRODUCTS

- Crocobox carrier
- Easybox carrier
- PRA3/PRA10 needle bins
- Cont'Elu elution pots
- PFE/PME/PHE vial shields

Easyview syringe shields are available in a wide and complete range of sizes and shielding (from 2 to 7 mm of tungsten) to offer users an **ergonomic and protective solution** that is essential during the preparation, transfer and injection of **all-energy radiopharmaceutical** doses for SPECT and PET activities. Regardless of the radioisotope to be handled: ^{99m}Tc, ^{111}In, ^{123}I, ^{177}Lu, ^{201}Tl, ^{131}I, ^{18}F, ^{68}Ga and the required administration method: direct injection to the patient, connection to a catheter or a 3-way valve, the **comfortable hold** of this syringe shield allows for **dexterity, precision and speed of execution of the operation**, thus limiting contact time with the radioactive element to a minimum. This range of ergonomic syringe shields meets the highest regulatory standards and is approved for sale on the US market.

Download the product data sheet at lemerpax.com

FOCUS

The **main part** of the **Easyview syringe shield** is made of a **tungsten barrel** (from 2 to 7 mm depending on the model) which has been **minutely worked** on to produce a **perfectly smooth** finish that gives greater confort and helps with the **cleaning and decontamination by immersion** or with adapted wipes.

The **attenuation** of **140 KeV gamma radiation from ^{99m}Tc is over 99.7 %** for 740 MBq activity and **86.95 % attenuation** for 300 MBq activity of ^{68}Ga.

Its **large shielded viewing window made of high density 5.2 lead glass** with **magnifying effect** allows for **improved viewing of the volume** held in the syringe and its **graduations in full**, to **facilitate precision sampling** and thus improve daily **working comfort**.

Engraved identification data indicating the **model and energy** (LME or HE) on the tungsten body of the Easyview makes it **easier to choose the syringe shield** to be used in accordance with the capacity of the syringe and the radioisotope used. The engraved data also facilitates inventory and ordering of accessories.

A black plastic **lock** (PA 6.6) **ensures that the syringe is secured** in the syringe shield and **secures its position** by preventing unwanted random movement.

The **ingenious design** of the Easyview allows the user to **change the leaded glass viewing window independently** by removing a single screw, if necessary, either for a simple replacement or for thorough cleaning and decontamination, but also when changing the plastic syringe lock with the **tool provided** (Torx key).

LME CHARACTERISTICS

1.1.3. 1.1.1. volframas 1.1.4. 1.1.2. 1.1.5.

General	1 mL			2 mL		2,5 mL	3 mL	5 mL				10 mL			
Size planned for the syringe:	70 mm	75 mm	76 mm	50 mm	53 mm	59 mm	69 mm	57 mm	61 mm	64 mm	73 mm	75 mm	83 mm	85 mm
Component parts:	Tungsten body / 304 L stainless steel syringe holder / Lead glass window / PA 6.6 plastic lock													
LOW & MEDIUM ENERGY														
Inner diameter:	9 mm	11,5 mm	9 mm	11,5 mm				15 mm			17,5 mm			
Weight:	0,12 kg	0,16 kg	0,13 kg	0,10 kg	0,11 kg	0,13 kg	0,15 kg	0,16 kg	0,17 kg	0,18 kg	0,27 kg	0,28 kg	0,31 kg	0,32 kg
Radiation protection:	2 mm tungsten 7.28 mm lead glass (density 5.2)	2 mm tungsten 7.5 mm lead glass (density 5.2)	2 mm tungsten 7.28 mm lead glass (density 5.2)	2 mm tungsten 7.5 mm lead glass (density 5.2)				2 mm tungsten 8 mm lead glass (density 5.2)			2 mm tungsten 8.7 mm lead glass (density 5.2)			
Ref.:	00021896	00022655	00022638	00021314	00022641	00021318	00022652	00022311	00022631	00022644	00021289	00022658	00022661	00027962
Ref. spare kit - lead glass:	00021899	00022657	00022640	00021316	00022643	00021321	00022654	00022310	00022633	00022646	00021292	00022660	00022663	00027964
Package	1.													
Package dimensions:	L 130 x D 100 x H 50 mm													
Package weight:	0.2 kg + weight of syringe shield													

HE CHARACTERISTICS

2.1.3. 2.1.1. volframas 2.1.4. 2.1.2. 2.1.5.

General	1 mL			2 mL		2,5 mL	3 mL	5 mL				10 mL			
Size planned for the syringe:	70 mm	75 mm	76 mm	50 mm	53 mm	59 mm	69 mm	57 mm	61 mm	64 mm	73 mm	75 mm	83 mm	85 mm
Component parts:	Tungsten body / 304 L stainless steel syringe holder / Lead glass window / PA 6.6 plastic lock													
HIGH ENERGY														
Inner diameter:	9 mm	11,5 mm	9 mm	11,5 mm				15 mm			18 mm			
Weight:	0,27 kg	0,35 kg	0,30 kg	0,20 kg	0,25 kg	0,28 kg	0,32 kg	0,30 kg	0,35 kg	0,37 kg	0,52 kg	0,53 kg	0,59 kg	0,61 kg
Radiation protection:	6 mm tungsten 7.28 mm lead glass (density 5.2)	6 mm tungsten 7.5 mm lead glass (density 5.2)	6 mm tungsten 7.28 mm lead glass (density 5.2)	6 mm tungsten 7.5 mm lead glass (density 5.2)				6.5 mm tungsten 8 mm lead glass (density 5.2)			7 mm tungsten 8.7 mm lead glass (density 5.2)			
Ref.:	00024946	00024953	00024947	00024948	00024949	00024950	00024952	00024954	00024951	00024955	00024956	00024957	00024958	00028075
Ref. spare kit - lead glass:	00021899	00022657	00022640	00021316	00022643	00021321	00022654	00022310	00022633	00022646	00021292	00022660	00022663	00027964
Package	2.													
Package dimensions:	L 130 x D 100 x H 50 mm													
Package weight:	0.2 kg + weight of syringe shield													

MEDI CARRIER

SHIELDED CARRIER FOR SYRINGES OF RADIOPHARMACEUTICAL SUBSTANCES

ALL ENERGIES

SPECT PET

ASSOCIATED PRODUCTS

- Mediclic syringe shields
- Easyview syringe shields
- Easyqueeze syringe shields
- Manubox trolley
- Combined transport trolley

Download the product data sheet at lemerpax.com

The Medi carrier case is the essential dose transport accessory for all Nuclear Medicine departments and is suitable for all types and models of syringe from 1 to 10 mL. With **two thicknesses of shielding**, 3 mm and 10 mm of lead, it can be adapted to both SPECT and PET activities, for reduced exposure of the hands and fingers as well as the whole body of the user when carrying radioactive doses to the injection rooms and cubicles. It allows for **safe transport** of patient syringes labelled with radioisotopes such as ^{99m}Tc, ^{111}In, ^{201}Tl, ^{177}Lu and also ^{18}F, ^{68}Ga, ^{13}N for example.
The cylindrical handle allows the user **to firmly grip** the carrier and **use it comfortably** in daily activities.

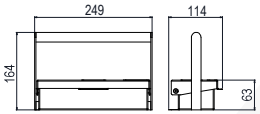
The carrier is supplied with a removable stainless steel mini corrugated plate adjusted to the internal dimensions of the case, which stabilises the syringes during transport, regardless of the model and brand of syringe shield used. Thus, minimising movement or possible contamination during transport.

This ultra-robust carrier has been designed by Medisystem to last over time, and has a stainless steel finish both inside and out and its watertight design allows for easy cleaning and decontamination. It also features an additional innovation: **optional locking system** for total security. Thus, the temporary storage of radioactive doses is controlled and secure.
The Medi carrier case meets the **highest regulatory standards** and is approved for sale on the **US market**.

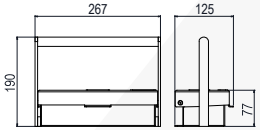
3.1.1. švinas

CHARACTERISTICS

EFFECTIVE DIMENSIONS (mm)



Low & Medium Energy Model



High Energy Model

General	Medi LME carrier	Medi HE carrier
Overall dimensions:	L 249 x D 114 x H 63 mm	L 267 x D 125 x H 77 mm
Total height with handle:	164 mm	190 mm
Internal dimensions:	L 215 x D 60 x H 46 mm	
Radiation protection:	3 mm lead + 1 mm stainless steel (inside and outside)	10 mm lead + 1 mm stainless steel (inside and outside)
Component parts:	Stainless steel structure Corrugated stainless steel plate L 213 x D 57 x H 1 mm	
Weight:	4,0 kg	12,2 kg
Package		
Package dimensions:	L 320 x D 250 x H 180 mm	L 300 x D 150 x H 250 mm
Package weight:	4,8 kg	16 kg
Ref.:	**00034037**	**00034036**

3.1.3.

3.1.2.

3.1.4.

EASYBOX CARRIER

SHIELDED CARRIER FOR SYRINGES OF RADIOPHARMACEUTICAL SUBSTANCES

ALL ENERGIES

SPECT PET

ASSOCIATED PRODUCTS

- Mediclic syringe shields
- Easyview syringe shields
- Easyqueeze syringe shields
- BPP30 HV shield
- ALARA shield

Download the product data sheet at lemerpax.com

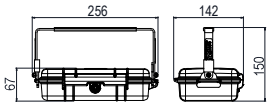
The Easybox 100 % recyclable transport , was specially designed to **facilitate the safe transport of patient doses** while optimizing the **weight**, from the radiopharmaceutical preparation laboratory to the injection cubicles and rooms, but also to the SPECT and PET examination rooms for dynamic imaging examinations. With to its **two thicknesses of shielding**, 3 mm and 6 mm of lead, this case can transport radioisotopes of various energies such as ^{99m}Tc, ^{111}In, ^{201}Tl, ^{177}Lu and ^{18}F, ^{68}Ga, ^{13}N.
This shielding on the extremities where the cone of irridiation from the needle and the plunger of the syringe is located, has been doubled to guarantee improved radiation protection for the user during the transport of the radioactive dose.

In order to facilitate the complete opening of the case, a 304L stainless steel **rotating handle** has been selected and designed for ergonomic use in daily activities. An anti-swing locking system completes the rotary handle of the case to avoid any risk during transport.
In order to improve **work comfort** for the users, the **identification** of the different radioactive syringes in the department is made easier thanks to the different coloured labels on the case. Thus, errors by substitution of radiopharmaceutical drugs are avoided.
The choice of ABS coating on the Easybox case allows for easy cleaning and decontamination.
The Easybox case meets the highest regulatory standards and is approved for sale on the US market.

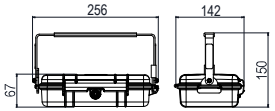
CHARACTERISTICS

General	Easybox LME	Easybox HE
Overall dimensions:	L 256 x D 142 x H 67 mm	
Total height with handle:	150 mm	
Internal dimensions:	L 193 x D 98 x H 46 mm	L 181 x D 92 x H 40 mm
Radiation protection:	3 mm lead on 4 sides and 6 mm lead on the side ends	6 mm lead on 4 sides and 12 mm lead on the side ends
Component parts:	Opaque PELI case - Soft lead body - ABS bottom cover Blister pack ABS lid - 304L stainless steel handle	
Weight:	3,48 kg	5,91 kg
100 % recyclable		
Package		
Package dimensions:	L 320 x D 240 x H 170 mm	
Package weight:	5 kg	7,4 kg
Ref.:	**00013222**	**00014236**

EFFECTIVE DIMENSIONS (mm)



Low & Medium Energy Model



High Energy Model

3.