



Radiation Protection Shielding

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Dispensing Units

Viewing Barriers

Shielded Cupboards

Custom Design and Manufacture

As a specialist supplier to hospitals and isotope producers, BriTec can design and manufacture bespoke shielded solutions, customised to the specific needs and layout of your site.

We have experience working directly with architects and structural engineers and our machine workshop in Sheffield works to exacting specifications. We can produce cabinets, storage, and dispensing stations in lead and tungsten. Our tailored solutions – designed specifically for you – allow sites to maximise their available workspace as well as rationalise their workflows for improved efficiency and safety.

Whether it is an existing radiopharmacy being refitted or a new nuclear medicine department being built from scratch, BriTec can deliver a customised solution for you.

SPECT Dispensing Area

- 6 mm Waste Cabinet and 6 mm Chamber Shield.
- Powder coated External Finish.
- Stainless Steel Internal Finish.
- 1 Adjustable Jack.
- Unshielded Double Cupboard.
- Solid Surface Worktop.
- 1200 mm (W) Downflow Hood.
- Estimated Weight: 300 Kg.

1200 PET Station

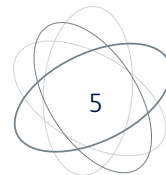
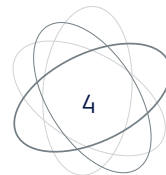
- Waste and Source Safe: Powder coated External Finish, Stainless Steel Internal Finish.
- Yale lock with aluminium keep.
- 50 mm lead shielding.
- Waste Internal Dimensions: 200 (W) x 400 (D) x 607 (H) mm.
- Source Internal Dimensions: 359 (W) x 475 (D) x 607 (H) mm.
- Chamber 50 mm Shielding.
- Weight Estimate: 2300 Kg.

Unshielded Drawers

- External Size: 350 (W) x 600 (D) x 860 (H) mm.
- White Laminate Finish.

Unshielded Sink Cabinet

- External Size: 500 (W) x 600 (D) x 860 (H) mm.
- White Laminate Finish.
- Basin With Mixer Tap 400 (W) x 400 (D) mm.



PET Dispensing Unit

A cost-effective solution for sub-dispensing of PET isotopes in a Grade A air environment, this stand-alone, self-contained unit is designed for safety, efficiency, and compliance.

These units are available in 1000 mm, 1200 mm and 1500 mm widths.

- Solid surface worktop.
- Vertical grade A air downflow hood.
- Counter sunk 50 mm lead shielded waste safe to take sharps containers.
- Counter sunk 50 mm lead shielded dose calibrator housing.
- 50 mm lead shielded safe for the storage of calibration sources, etc.
- 5 Amp double socket incorporated into the rear wall of the unit.
- Unshielded storage cupboard.
- These units can be customised to meet customer specifications.



1500 Unit

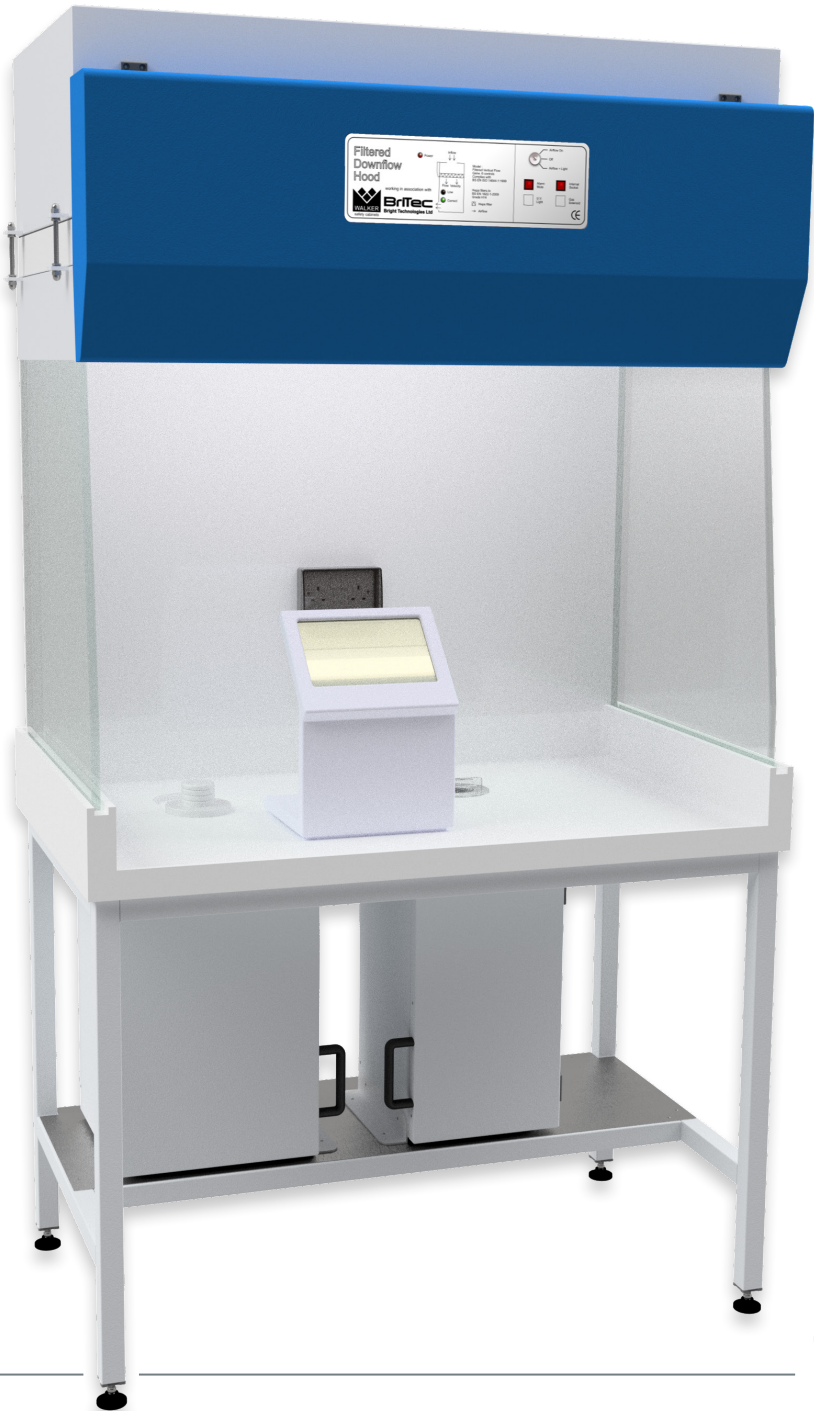
SPECT Dispensing Unit

This free standing unit is an economical solution for the sub dispensing of SPECT Isotopes in a grade A air environment.

- Solid surface worktop.
- Vertical grade A air downflow hood.
- Counter sunk shielded waste cupboard to take sharps containers. 3 mm lead shielding as standard.
- Counter sunk dose calibrator housing. Unshielded as standard. Shielding is an optional extra as below.
- 5 Amp double socket incorporated into the rear wall of the unit.

The following options extras can be added if required:

- Waste shielding + 3 mm lead (6 mm in total).
- + 7 mm lead (10 mm in total).
- Dose calibrator shielding + 3 mm lead.
- + 6 mm lead.
- + 10 mm lead.



1200 Unit

PET Dispensing Pot

The PET Pot offers a simple, effective solution for manually dispensing PET radiopharmaceuticals. It is designed to allow doses to be drawn safely from a vial housed within the shielded body directly into one of our tungsten PET syringe shields, helping to significantly reduce radiation exposure during dispensing.

Manufactured from high-grade medical aluminium, the PET Pot is finished with a durable black anodised coating to minimise wear and provide a robust, easy-to-clean surface.

The stand features an indexing plunger, allowing the unit to lock securely into a series of preset positions, giving the user the optimum angle for dose preparation.

The vial is secured using interchangeable acetal inserts, precision-machined to suit a range of vial sizes. A spring-loaded mechanism holds the vial firmly against the lid, preventing movement during needle insertion and ensuring consistent positioning.

Two interchangeable caps are supplied:

- A shielded cap with an integrated lead insert to minimise radiation shine when the unit is not in use.
- A syringe shield cap, designed to securely hold our tungsten syringe shields during dose withdrawal.

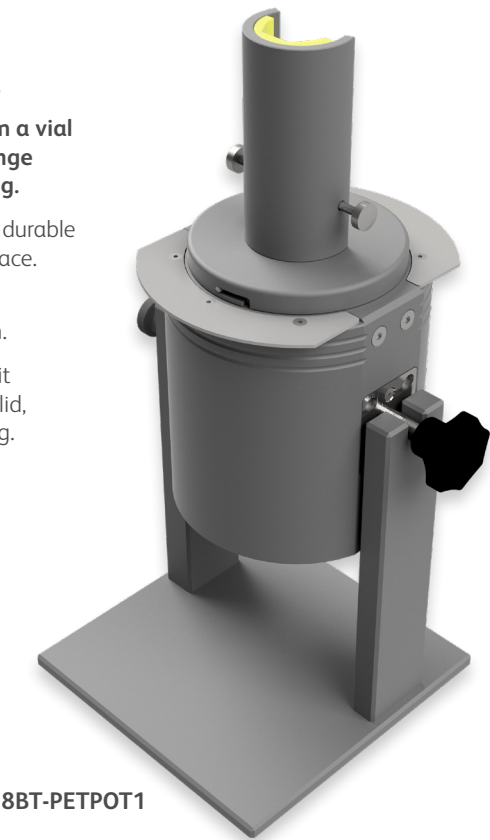
The syringe shield holder includes interchangeable sleeves compatible with our range of standard syringe shields. Additional vial inserts and sleeves can also be manufactured to suit non-standard sizes on request.

For optimum operator protection, we recommend using the PET Pot in conjunction with one of our 30 mm lead viewing barriers, helping to reduce whole-body exposure during dispensing.

What is included?

- PET Pot base.
- PET Pot body.
- PET Pot lid.
- Shielded cap.
- Syringe shield holder.
- Syringe shield sleeves.
- Vial inserts.

Note: Bespoke vial inserts and syringe shield sleeves can be manufactured to suit specific vial and syringe shield dimensions upon request.



8BT-PETPOT1

PET Viewing Barrier

Heavy duty barrier with 30 mm lead shielding and full equivalent lead glass window. Working surfaces are stainless steel and the base contains a removable stainless steel tray designed to contain spills and allow for easy decontamination.

- 30 mm LE-DIN EN 61331-2 (Protective Glass Standard) lead glass.
- BSEN 12588 Lead.
- Powder coated white outer frame.
- Stainless steel inner surfaces.



5BT-LVB30

Code	Description	Lead Thickness (mm)	Height (mm)	Base Dimensions (W x D) (mm)	Viewing Area (mm)	Weight (Kg)
5BT-LVB6	Standard 6 mm Viewing Barrier	6	545	350 x 435	296 x 185	30
5BT-LVB10	Standard 10 mm Viewing Barrier	10	545	350 x 435	296 x 185	50
5BT-LVB20	Standard 20 mm Viewing Barrier	20	545	350 x 435	296 x 185	100
5BT-LVB30	Standard 30 mm Viewing Barrier	30	545	350 x 435	296 x 185	150
5BT-LBVNSS	Non-standard sizes also available on request					

5BT-LVBSST Replacement Stainless Steel Tray

 Custom sizes and lead thicknesses available on request

SPECT Viewing Barrier

Manufactured with lead encased in Solid Surface material this viewing barrier can be cleaned with a broad range of antimicrobial cleaning products used within clean room environments. The barrier is seamless which eliminates dirt traps.

As standard, this comes with 10 mm lead shielding and 3.5 mm LE Glass however custom lead thicknesses and sizes are available on request.

- 3.5 mm LE-DIN EN 61331-2 (Protective Glass Standard) lead glass.
- BSEN 12588 10 mm Lead.
- White solid surface.



5BT-CVB10

Code	Description	Lead Thickness (mm)	Height (mm)	Base Dimensions (W x D) (mm)	Viewing Area (mm)	Weight (Kg)
5BT-CVB10	Solid Surface Viewing Barrier	10	380	270 x 250	244 x 142	18
5BT-CVB10W	Double Windowed Solid Surface Viewing Barrier	10	380	270 x 250	244 x 142	18
5BT-CVB10NSS	Solid Surface Viewing Barrier Custom Size					

 Custom sizes and lead thicknesses available on request

PET Mobile Screen

This shield protects operators from radiation energy 511 KeV while retaining maximum accessibility to the patient due to its narrow width. The shield is mobile with locking castors. Lead shielding is 30 mm. Lead glass is 30 mm lead equivalent.

- 30 mm LE-DIN EN 61331-2 (Protective Glass Standard) lead glass.
- BSEN 12588 Lead.
- White epoxy powder coated finish.
- Box section frame.
- 125 mm diameter locking castors.

9BT-MOBPETBAR



Code	Description	Lead Thickness	Lead Size (mm)	External Dimensions (W x D x H) (mm)	Viewing Area (mm)	Weight (Kg)
9BT-MOBPETBAR	PET Mobile Screen	30 mm	500 x 400	510 x 600 x 1480	400 x 265 x 80	125

 Custom sizes and lead thicknesses available on request

Shielded Sharps Container

Our range of lead lined sharps shields comprises three basic sizes and a choice of two lead thicknesses, 3 mm or 6 mm.

The shields are of steel construction with a lead lining. The outer surfaces have a durable powder coated finish and inner surfaces are covered with a white plastic liner.

The top is removable for the replacement of the disposable sharps container. The top is also fitted with a flip open lid to provide easy access to the opening in the container. The lid can be operated with the back of the hand to avoid possible contamination.

- Cromwell (3CR12) Powder coated outer case.
- Rolled lead BSEN12588.
- Rigid plastic liner.



Code	Description	Lead Thickness (mm)	Internal Dimensions (L x W x D) (mm)	External Dimensions (L x W x D) (mm)	Weight (Kg)
6BT-MBWC3SP60V3	Rexam Sharpak 60 Plus	3	240 x 240 x 241	284 x 284 x 378	22
6BT-MBWC6SP60V3	Rexam Sharpak 60 Plus	6	240 x 240 x 241	284 x 284 x 378	32
6BT-MBWC3SP120V3	Rexam Sharpak 120 Plus	3	290 x 280 x 341	334 x 324 x 478	32
6BT-MBWC6SP120V3	Rexam Sharpak 120 Plus	6	290 x 280 x 341	334 x 324 x 478	47
6BT-LBWC3SP220V3	Rexam Sharpak 220 Plus	3	340 x 330 x 391	334 x 324 x 478	43
6BT-LBWC6SP220V3	Rexam Sharpak 220 Plus	6	340 x 330 x 391	334 x 324 x 478	63
6BT-SBWC3SS5V3	Sharpsafe 5 Litre	3	200 x 240 x 271	244 x 284 x 416	21
6BT-SBWC6SS5V3	Sharpsafe 5 Litre	6	200 x 240 x 271	244 x 284 x 416	31
6BT-MBWC3SS7V3	Sharpsafe 7 Litre	3	200 x 240 x 361	244 x 284 x 506	25
6BT-MBWC6SS7V3	Sharpsafe 7 Litre	6	200 x 240 x 361	244 x 284 x 506	37
6BT-LBWC3SS24V3	Sharpsafe 24 Litre	3	250 x 490 x 356	229 x 229 x 317	45
6BT-LBWC6SS24V3	Sharpsafe 24 Litre	6	250 x 490 x 356	229 x 229 x 317	65
6BT-SBWC3DS2.5V3	Daniels 2.5 Litre	3	185 x 185 x 171	229 x 229 x 317	13.5
6BT-SBWC6DS2.5V3	Daniels 2.5 Litre	6	185 x 185 x 171	229 x 229 x 317	19.5
6BT-SBWC3DS5V3	Daniels 5 Litre	3	205 x 239 x 291	249 x 239 x 436	20
6BT-SBWC6DS5V3	Daniels 5 Litre	6	205 x 239 x 291	249 x 239 x 436	28
6BT-MBWC3DS7V3	Daniels 7 Litre	3	255 x 255 x 221	299 x 299 x 366	22
6BT-MBWC6DS7V3	Daniels 7 Litre	6	255 x 255 x 221	299 x 299 x 366	32
6BT-MBWC3DS11.5V3	Daniels 11.5 Litre	3	285 x 285 x 256	329 x 329 x 409	28
6BT-MBWC6DS11.5V3	Daniels 11.5 Litre	6	285 x 285 x 256	329 x 329 x 409	40
6BT-LBWC3DS24V3	Daniels 24 Litre	3	350 x 360 x 391	394 x 404 x 536	45
6BT-LBWC6DS24V3	Daniels 24 Litre	6	350 x 360 x 391	394 x 404 x 536	67

 Custom sizes and lead thicknesses available on request

Shielded Sharps Pedal Bin

Available in two sizes as standard (Small – 17 litre; Large – 40 litre) with a choice of lead shielding 3 mm or 6 mm lead shielding.

The steel box has a powder coated outer surface and the inner surface is lined with plastic to ensure that any spillages are contained within the bin. The top shielded lid is operated by a foot pedal. The lid is fitted with a damper mechanism allowing it to close smoothly. The bin is supplied with two removable lead lined inner lids, one large for use with sacks and one smaller for use with small items. The pedal bins are primarily for use with plastic sacks but can be adapted for use with some sharps containers and they can also be fitted with castors. The shields are primarily for use with plastic sacks but can be adapted for use with most containers.

For custom lead shielding thicknesses over 6 mm, the bin features a smooth-slide lid designed to enhance safety and eliminate the risk of finger trapping.

- Mild steel (CR4) powder coated outer case.
- Rolled lead BSEN12588.
- 480 micron plastic lining.
- Easy to move castors.



6BT-SPB3

Code	Description	Lead Thickness (mm)	Internal Dimensions (L x W x D) (mm)	External Dimensions (L x W x D) (mm)	Opening Aperture (mm)	Weight (Kg)
6BT-SPB3	Small 17 Litre	3	200 x 200 x 500	270 x 395 x 640	80 x 80 and 210 x 210	36.5
6BT-SPB6	Small 17 Litre	6	200 x 200 x 500	270 x 395 x 640	80 x 80 and 210 x 210	47
6BT-LPB3	Large 40 Litre	3	250 x 250 x 650	325 x 475 x 825	80 x 80 and 250 x 250	50
6BT-LPB6	Large 40 Litre	6	250 x 250 x 650	325 x 475 x 825	80 x 80 and 250 x 250	89

 Custom sizes and lead thicknesses available on request

Slide Top PET Bin

A portable slide top shielded bin for PET waste.

- White Powder Coated External Finish.
- White PVC Lined Internal Finish.
- 2 Fixed and 2 Pivot Lockable Castors.
- Hold Detent Feature Slides.



6BT-RTB-05

Code	Description	Lead Thickness (mm)	Internal Dimensions (L x W x D) (mm)	External Dimensions (L x W x D) (mm)	Weight (kg)
6BT-RTB-05	Slide Top PET Bin	12.5	650 x 350 x 350	891 x 449 x 504	175

 Custom sizes and lead thicknesses available on request

Clean Room Bin

This stainless steel pedal bin has a seamless inner liner and outer case with lead capsulated inside the body, making this pedal bin ideal for the clean room environment.

The top lid is operated by a foot pedal and there is a removable lead lined inner lid with a central stainless steel plate fixed to the underside of the outer lid.

The shields are primarily for use with plastic sacks but can be adapted for use with most containers.

- Easy to move castors.



6BT-CRPB27-3

Code	Description	Lead Thickness (mm)	Internal Dimensions (L x W x D) (mm)	External Dimensions (L x W x D) (mm)	Weight (Kg)
6BT-CRPB27-3	Pedal Bin 27 Litre	3	260 x 260 x 400	530 x 300 x 700	53
6BT-CRPB27-6	Pedal Bin 27 Litre	6	260 x 260 x 400	530 x 300 x 700	75
6BT-CRPB27-10	Pedal Bin 27 Litre	10	260 x 260 x 400	530 x 300 x 700	105
6BT-CRPB40-3	Pedal Bin 40 Litre	3	260 x 260 x 600	530 x 300 x 900	64
6BT-CRPB40-6	Pedal Bin 40 Litre	6	260 x 260 x 600	530 x 300 x 900	93
6BT-CRPB40-10	Pedal Bin 40 Litre	10	260 x 260 x 600	530 x 300 x 900	132

 Custom sizes and lead thicknesses available on request

Shielded Storage

Shielded Safes

Our range of heavy duty shielded safes comprises of two sizes with either 25 mm or 50 mm lead shielding.

The outer surfaces have a durable powder coated finish and the inside is finished with a stainless steel liner. The safes have a hinged front door, opening either side (depending on customer preference) and are lockable.



Code	Description	Lead Thickness (mm)	Internal Dimensions (L x W x D) (mm)	External Dimensions (L x W x D) (mm)	Approximate Weight (Kg)
7BT-SSAFE25	Shielded Safe	25	300 x 300 x 300	485 x 490 x 430	280
7BT-SSAFE50	Shielded Safe	50	300 x 300 x 300	485 x 490 x 430	320
7BT-SAFE25	Shielded Safe	25	465 x 480 x 465	715 x 665 x 815	650
7BT-SAFE50	Shielded Safe	50	465 x 480 x 465	715 x 665 x 815	1170
7BT-GE68TALL	Shielded Safe	50	250 x 250 x 452	500 x 434 x 740	635

 Custom sizes and lead thicknesses available on request

Shielded Cupboards

Our standard shielded cupboard is available with 3 mm, 6 mm or 10 mm lead shielding. The outer surface has a durable powder coated finish and the inside is finished with a stainless steel liner.

The cupboard has two lockable hinged doors and is fitted with a one shelf – if required.



Code	Description	Lead Thickness (mm)	Internal Dimensions (L x W x D) (mm)	External Dimensions (L x W x D) (mm)	Approximate Weight (Kg)
7BT-SCUPBOARD3	Shielded Cupboard	3	884 x 545 x 645	1000 x 600 x 860	210
7BT-SCUPBOARD6	Shielded Cupboard	6	884 x 545 x 645	1000 x 600 x 860	320
7BT-SCUPBOARD10	Shielded Cupboard	10	884 x 545 x 645	1000 x 600 x 860	425

 Custom sizes and lead thicknesses available on request

Shielded Storage

Refrigerator and Freezer Shields

Custom sized lead lined shield to accommodate fridges and freezers.

Available with 3 mm to 50 mm lead shielding. Cooling fans are also incorporated to assist cooling and reduce potential overheating.

- White powder-coated external finish.
- Brushed stainless steel internal finish.
- 4 adjustable feet.
- Keyed Yale lock.
- Internal double socket.
- 1 socket for exhaust fan.
- 1 socket for fridge/freezer.

7BT-FS-05/25



Code	Description	Lead Thickness (mm)	Internal Dimensions (L x W x D) (mm)	External Dimensions (L x W x D) (mm)	Approximate Weight (Kg)
7BT-FS-03/3	Lead lined Refrigerator/ Freezer Shield	3	545 x 535 x 615	661 x 791 x 830	190
7BT-FS-03/6	Lead lined Refrigerator/ Freezer Shield	6	545 x 535 x 615	661 x 791 x 830	270
7BT-FS-03/10	Lead lined Refrigerator/ Freezer Shield	10	545 x 535 x 615	661 x 791 x 830	376
7BT-FS-05/25	Lead lined Refrigerator/ Freezer Shield	25	500 x 575 x 800	750 x 920 x 1150	1150
7BT-FS-05/50	Lead lined Refrigerator/ Freezer Shield	50	500 x 575 x 800	750 x 920 x 1150	2000

 Custom sizes and lead thicknesses available on request

Storage Box

A lead shield bench top box designed for the safe storage of radioactive vials and small sources.

- Hinged lid with a built-in stop to hold it open at 100 degrees.
- Lockable butterfly catch and a chrome finished handle.
- Constructed from steel with lead lining.
- Stainless steel internal surface.
- Durable epoxy power coated finish.



3BT-VSB3

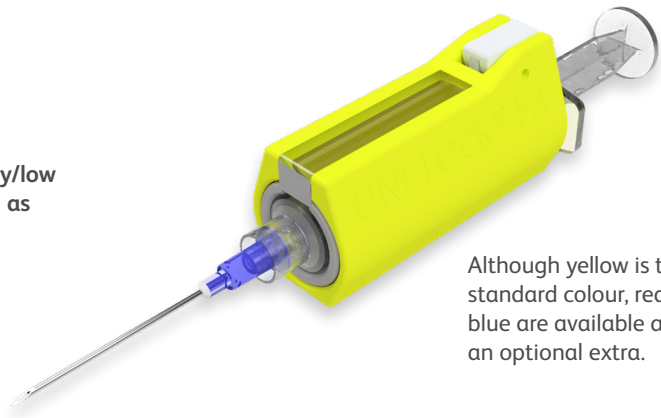
Code	Description	Lead Thickness (mm)	Internal Dimensions (L x W x D) (mm)	Weight (Kg)
3BT-VSB3	Storage Box	3	118 x 240 x 200	13
3BT-VSB6	Storage Box	6	118 x 240 x 200	22
3BT-VSB10	Storage Box	10	118 x 240 x 200	36

 Custom sizes and lead thicknesses available on request

Unilock® 5 Tungsten Syringe Shields

The Unilock® 5 Syringe shield is designed for low energy/low activity Radionuclide use. For higher activity work such as kit preparation we recommend using Unilock® 4.

- Shield incorporates a single handed, quick release locking mechanism and an anti-roll design.
- Suits most sizes and make of syringes.
- Minimum 2 mm Pb equivalent Lead Glass Window.
- Other colours are available when ordering 5 or more syringe shields in any one size.



Although yellow is the standard colour, red and blue are available as an optional extra.

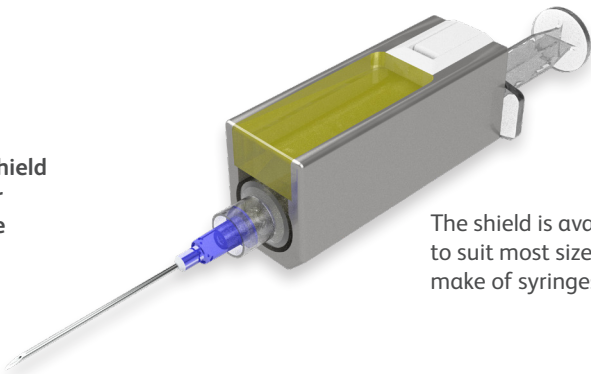
Code	Description	Tungsten Thickness (mm)	Length (mm)	Internal Diameter Tungsten Barrel (mm)	Average Weight (g)
1BT-U501A	Unilock® 5 Syringe Shield	1.8	74	8.8	120
1BT-U501B	Unilock® 5 Syringe Shield	1.8	77	8.8	140
1BT-U501L	Unilock® 5 Syringe Shield	2.25	75	11.5	165
1BT-U502A	Unilock® 5 Syringe Shield	2.25	53	11.5	140
1BT-U502B	Unilock® 5 Syringe Shield	2.25	59	11.5	145
1BT-U503A	Unilock® 5 Syringe Shield	2.25	65	11.5	150
1BT-U503B	Unilock® 5 Syringe Shield	2.25	68	11.5	160
1BT-U505A	Unilock® 5 Syringe Shield	2.3	60	15.4	190
1BT-U505B	Unilock® 5 Syringe Shield	2.3	65	15.4	195
1BT-U505C	Unilock® 5 Syringe Shield	2.3	68	15.4	200
1BT-U510A	Unilock® 5 Syringe Shield	2.15	75	18.2	200
1BT-U510B	Unilock® 5 Syringe Shield	2.15	85	18.2	260
1BT-U520	Unilock® 5 Syringe Shield	2	95	23	285

 Custom sizes and lead thicknesses available on request

Unilock® 4 Tungsten Syringe Shields

With a full Tungsten barrel the Unilock® 4 Syringe Shield has increased shielding making it suitable for higher activity contents. There is also the added advantage of a wider lead glass window for increased viewing of the syringe graduations.

The Unilock® 4 has a flat base to prevent rolling whilst in use and uses the same quick release locking mechanism as the Unilock® 5.



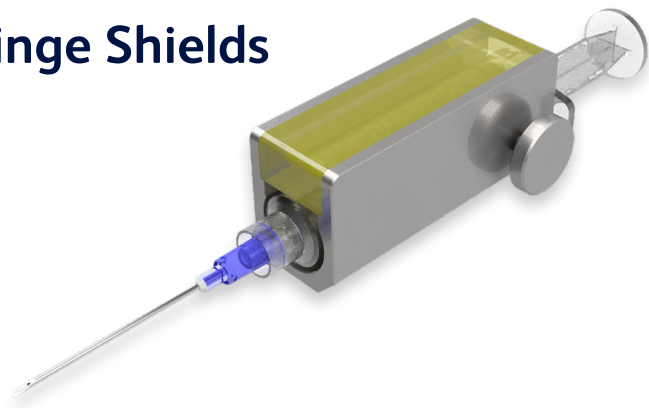
The shield is available to suit most size and make of syringes.

Code	Description	Tungsten Thickness (mm)	Length (mm)	Internal Diameter Tungsten Barrel (mm)
1BT-U401A	To fit 1 ml Syringes	2	74	9
1BT-U401B	To fit 1 ml Syringes	2	77	9
1BT-U401L	To fit 1 ml Luer Lock Syringes	2	75	13
1BT-U402A	To fit 2 ml Syringes	2	53	13
1BT-U402B	To fit 2 ml Syringes	2	59	13
1BT-U403A	To fit 3 ml Syringes	2	65	13
1BT-U403B	To fit 3 ml Syringes	2	68	13
1BT-U405A	To fit 5 ml Syringes	2	60	16
1BT-U405B	To fit 5 ml Syringes	2	65	16
1BT-U410A	To fit 10 ml Syringes	2	75	18
1BT-U410B	To fit 10 ml Syringes	2	85	18

 Custom sizes and lead thicknesses available on request

Tungsten Screw-Lock Syringe Shields

The Screw lock design incorporates the same Tungsten barrel as the Unilock® 4 syringe shield however the screw-lock mechanism allows for greater flexibility with different lengths of syringe.



Code	Description	Tungsten Thickness (mm)	Length (mm)	Internal Diameter Tungsten Barrel (mm)
1BT-SL01A	To fit 1 ml Syringes	2	74	9
1BT-SL01B	To fit 1 ml Syringes	2	77	9
1BT-SL01L	To fit 1 ml Luer Lock Syringes	2	75	13
1BT-SL02A	To fit 2 ml Syringes	2	53	13
1BT-SL02B	To fit 2 ml Syringes	2	59	13
1BT-SL03A	To fit 3 ml Syringes	2	65	13
1BT-SL03B	To fit 3 ml Syringes	2	68	13
1BT-SL05A	To fit 5 ml Syringes	2	60	16
1BT-SL05B	To fit 5 ml Syringes	2	65	16
1BT-SL10A	To fit 10 ml Syringes	2	75	18
1BT-SL10B	To fit 10 ml Syringes	2	85	18

 Custom sizes and lead thicknesses available on request

Tungsten Screw-Lock Syringe Shields

The Screw lock design incorporates the same Tungsten barrel as the Unilock® 4 syringe shield however the screw-lock mechanism allows for greater flexibility with different lengths of syringe.

Syringe Shields and Replacement Glass

We will undertake to repair or replace broken glass in syringe shields of most types of syringe shields in our workshops.

Code	Description
1BT-SSRPET	Supply and fit lead glass window for syringe shields

TwistLock Plastic Beta Shields

Light weight acrylate shield with 360° unobstructed view of syringe and contents. Shield wall 10 mm thick for maximum beta absorption.

Available in 1 ml, 1 ml Luer Lock, 2 ml, 3 ml, 5 ml, 10 ml, 20 ml and 50 ml sizes.

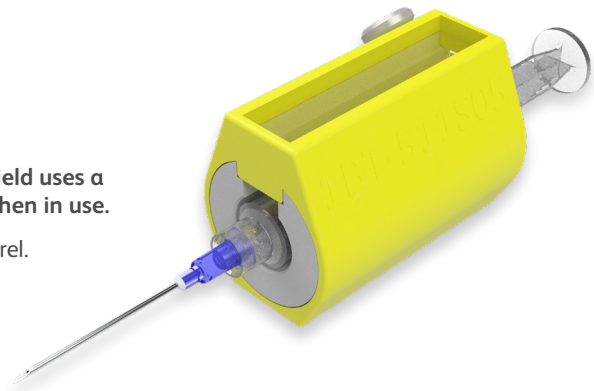


Code	Description	Shield Wall (mm)	Length (mm)	Internal Diameter (mm)
1BT-BS01	1 ml Beta Syringe Shield	10	79	8.8
1BT-BS01L	1 ml Luer Lock Beta Syringe Shield	10	77	11.5
1BT-BS02	2 ml Beta Syringe Shield	10	61	11.0
1BT-BS03	3 ml Beta Syringe Shield	10	70	11.5
1BT-BS05	5 ml Beta Syringe Shield	10	67	15
1BT-BS10	10 ml Beta Syringe Shield	10	87	19
1BT-BS20	20 ml Beta Syringe Shield	To customer specifications		
1BT-BS50	50 ml Beta Syringe Shield	To customer specifications		

511 KeV PET Tungsten Syringe Shields

Designed to incorporate an anti-roll feature, this shield uses a screwlock mechanism to hold the syringe in place when in use.

- 7.5 mm Tungsten 90% plus Ni and Cu balanced barrel.
- Lead glass 11 - 13 mm (4 mm LE) window.
- M4 x 16 socket cap screw.



Code	Description	Shield Wall (mm)	Length (mm)	Internal Diameter (mm)	Average Weight (g)
1BT-511S01	1 ml Syringe Shield	7.5	74	8.5	500
1BT-511S01L	1 ml Luer Lock Syringe Shield	7.5	75	12	500
1BT-511S02	2 ml Syringe Shield	7.5	53	12	400
1BT-511S03	3 ml Syringe Shield	7.5	65	12	400
1BT-511S05	5 ml Syringe Shield	7.5	60	16	600
1BT-511S10	10 ml Syringe Shield	7.5	75	18	700

Needle Recapper

The main body of the needle recapper is made from natural white acetal copolymer resin.

Both the top and the bottom of the needle recapper are recessed. The outside wall of the needle recapper has a non-slip textured finish to help you grip the recapper during cleaning, etc.

Available with differing diameter holes or all holes of the same diameter.

Code	Description
1BT-NDLRECAP	Needle Recapper
1BT-NDLRECAPFILT	Needle Recapper for filter needles



Clean Room Syringe Carrier

Ideal for transporting loaded syringes and/or small radioactive sources. All carriers are constructed from a steel stove enamelled box lined with lead. Lead thicknesses come in either 3 mm or 6 mm.

- The hinged lid is fitted with a front fixing catch which can be sealed for security.
- All carriers are supplied with a choice of fixed or pivoting handle. The pivoting handle is locked in the upright position when carried.
- All carriers are fitted with an internal, removable, rigid plastic (ABS) tray.
- The internal length of the carriers is designed to accept a full 10 ml syringe fitted with a 25 mm capped needle. 100 mm handle clearance from lid.
- Mild steel (CR4) powder coated outer case.



Code	Description	Lead Thickness (mm)	Internal Dimensions (L x W x H) (mm)	External Dimensions (L x W x H) (mm)	Weight (Kg)
4BT-CRSC3	Clean Room Carrier, Fixed Handle	3	228 x 84 x 45	300 x 160 x 270	6.5
4BT-CRSC6	Clean Room Carrier, Fixed Handle	6	228 x 84 x 45	300 x 160 x 270	9.5
4BT-CRSC10	Clean Room Carrier, Fixed Handle	10	228 x 84 x 45	300 x 160 x 270	14.4
5BT-CRSC10	Replacement Tray for Large Carrier Box 5/Box				

 Custom sizes and lead thicknesses available on request

Syringe Carrier

Designed and manufactured in stainless steel ensures this carrier can be used in a clean room environment or where high levels of cleanliness are required. The design incorporates a butterfly lock to prevent accidental opening of the carrier when in transit. The handle is tall making the lid easier to open and close.

The lid also has a return lip which sits on the back of the carrying box body to prevent the box from falling backwards and keeps the lid in an upright position.

Code	Description	Lead Thickness (mm)	Internal Dimensions (L x W x H) (mm)	External Dimensions (L x W x H) (mm)	Weight (Kg)
4BT-SCBF3	Small Carrier, Fixed Handle	3	240 x 52 x 40	305 x 110 x 220	4.5
4BT-SCBP3	Small Carrier, Pivot Handle	3	240 x 52 x 40	305 x 110 x 220	4.5
4BT-SCBF6	Small Carrier, Fixed Handle	6	240 x 52 x 40	305 x 110 x 220	6.2
4BT-SCBP6	Small Carrier, Pivot Handle	6	240 x 52 x 40	305 x 110 x 220	6.2
4BT-SCBT	Replacement Tray for Small Carrier Box 5/Box				
4BT-MCBF3	Medium Carrier, Fixed Handle	3	240 x 80 x 40	305 x 137 x 220	5.3
4BT-MCBP3	Medium Carrier, Pivot Handle	3	240 x 80 x 40	305 x 137 x 220	5.3
4BT-MCBF6	Medium Carrier, Fixed Handle	6	240 x 80 x 40	305 x 137 x 220	7.3
4BT-MCBP6	Medium Carrier, Pivot Handle	6	240 x 80 x 40	305 x 137 x 220	7.3
4BT-MCBT	Replacement Tray for Medium Carrier Box 5/Box				

 Custom sizes and lead thicknesses available on request



Tungsten Vial Shields

Lightweight unbreakable shield providing maximum protection.

The smooth polished surface of the Tungsten alloy is easy to keep clean or sterilise. Designed to accommodate vials from most Radiopharmaceutical manufacturers. The removable screw top has a dished opening to expose the vial septum. The vial top is held firmly against the opening by an internal spring.

Available in 3 mm or 6 mm Tungsten with either a separate push fit lid or swivel lid.



Code	Description	Cap Type	Lead Thickness (mm)	Internal Dimensions (H x Dia.) (mm)
2BT-TVPC3	Tungsten Vial Shield	Plastic Cap (Tungsten Insert)	3	60 x 27
2BT-TVPC6	Tungsten Vial Shield	Plastic Cap (Tungsten Insert)	6	60 x 27
2BT-TVST3	Tungsten Vial Shield	Tungsten Swivel Top	3	60 x 27
2BT-TVST6	Tungsten Vial Shield	Tungsten Swivel Top	6	60 x 27
2BT-TVE	Tungsten Vial Shield	Plastic Cap (Lead Insert)	6	60 x 31

 Custom sizes and lead thicknesses available on request

Windowed Vial Shields

Universal Tungsten vial shield with outer acrylic window protection.

- Two large lead glass windows set at 180°.
- Base contains spring to hold vial against top orifice.
- Supplied with plastic cup to hold small diameter vials centrally against orifice.
- Push-on plastic cap with lead insert provides complete shielding and protects vial septum.



Code	Description	Tungsten Thickness (mm)	Internal Dimensions (H x Dia.) (mm)
2BT-TVSW3	Double Windowed Vial Shield	3	95 x 86
2BT-TVSW6	Double Windowed Vial Shield	6	95 x 86

 Custom sizes and lead thicknesses available on request

Paediatric X-ray Chair

Designed specifically for paediatric chest X-ray purposes, this X-ray chair has many operational features which facilitate positioning for X-ray imaging.

- Individual locking castors to allow precision movement.
- Adjustable front and side bolsters designed for single hand use.
- Adjustable x-ray plate holder.
- Removable cushions which can be cleaned with Atichlor.
- Head cushion to protect the child's head.
- Fire retardant cushions and bolsters.
- Tilt tested up to 20 degrees.
- Minimal seams to comply with infection control.
- CE Marked 'Medical Device Directive 93/42/EEC.
- Non-rust and light weight materials used.

Seat Height (mm)	Dimensions (H x W x D) (mm)	Max. Load (Kg)	Weight (Kg)
15	1300 x 660 x 600	40	33



Generator Hoist

The Generator Hoist is designed for use with Tc-99m generators to safely lift and transport the generator within the radiopharmacy.

- Easy to move and position on 4 swivel castors.
- Extendable boom arm for extra reach.
- Electrically powered boom height with remote hand controller.
- 24 V dc electrics powered from sealed lead acid rechargeable battery.
- Nominal power consumption of 85 W.
- Overload protection within ON/OFF switch.
- Durable powder coated finish.
- Safe working load of 25 Kg.



Footprint Area (mm)	Overall Height (mm)	Distance between Front Forks (mm)	Height under Boom (mm)	Boom Lift Rate (mm/min)	Boom Arm Extension (mm)	Mass (Kg)
15	1740	450	Min. 315 Max. 1640	1800 (no load)	Min. 530 Max. 845	71

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