



Radiation Safety Accessories

for Storage and Working Areas

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**Southern
Scientific**

EXPERIENCE & EXPERTISE

Radiation safety accessories to meet your everyday needs

Southern Scientific are proud to provide a range of shielding, transport and storage containers, which comply to the most rigorous radiation safety guidelines.

Sourced from leading companies, these products have been selected for their quality and durability, providing the user with the best choice of radiation safety accessories on the market.

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Lead Glass Syringe Shield

The Hoy Scandinavian Lead Glass Syringe Shield is designed to offer the best mix of personal protection and a high functionality, whilst providing the perfect fit for the syringe. They are most suitable for nuclear medicine imaging departments.

Available with two different types of locks: Spring Lock and Twist Lock.

Spring Lock – encloses the syringe by pushing a button to release a small raised point that attaches the syringe into the sleeve.

Twist Lock – encloses the syringe by twisting the syringe into the two flanges that attaches the syringe into the sleeve.

The Lead Glass Syringe Shield is designed for all types of syringes and for the following sizes: 1 ml, 2 ml, 2.5 ml, 3 ml, 5 ml, 10 ml, 30 ml and 50 ml.

- Lead Glass High Density: 5.2 g/cm³
- Thickness: 5.5 mm



Magnetic Sliding Syringe Shield

The Hoy Scandinavian Magnetic Sliding Syringe Shield is separated by simply pushing the sides apart, and closed with strong magnets. This means that it is now possible to use safety glide needles together with Hoy syringe shielding.

Available in a range of size options for various syringe types. For other types of syringes please contact our office.



Tungsten Syringe Shield

Suitable for use in both nuclear medicine imaging and radiopharmacy, the Hoy Scandinavian Tungsten Syringe Shield has a window to provide the user the possibility of seeing the syringe inside the shielding.

Available with two different types of locks: Spring Lock and Twist Lock.

Spring Lock – encloses the syringe by pushing a button to release a small raised point that attaches the syringe into the sleeve.

Twist Lock – encloses the syringe by twisting the syringe into the two flanges that attaches the syringe into the sleeve.

The Tungsten Syringe Shield is designed for all types of syringes and for the following sizes: 1 ml, 2 ml, 2.5 ml, 3 ml, 5 ml and 10 ml.



PET Syringe Shield

The Hoy Scandinavian PET Syringe Shield provides the user with optimal radiation shielding during PET / MR or PET / CT procedures.

Magnetic / non-magnetic with two different types of locks: Spring Lock and Twist Lock.

Spring Lock – encloses the syringe by pushing a button to release a small raised point that attaches the syringe into the sleeve.

Twist Lock – encloses the syringe by twisting the syringe into the two flanges that attaches the syringe into the sleeve.

Available for the following syringe sizes: 1 ml, 3 ml, 5 ml, and 10 ml.

- Shielding: 10 mm tungsten.
- Weight: 750 g (1 ml)



Easyview HE Syringe Shields

The Easyview HE range is a user-friendly range of syringe shields offering the highest radiation protection level.

Made of tungsten, the Easyview range offers an optimised radiation protection for operators in nuclear medicine departments handling high energy radiopharmaceuticals like FDG, FDopa, NaF, FCholine, Ga 68.

Measurement of the dose is easy thanks to a large viewing window with zoom effect. Syringe release is fast due to its very simple and smart withdrawal system.

- Easyview is amagnetic which makes it compatible with PET-MRI examinations.
- Offers the highest security conditions for the operators with radiation exposure reduced to the minimum.



Mediclic Tungsten Syringe Shields

These syringe shields (lead glass and tungsten shielding) are designed for easy and quick insertion and withdrawal of the syringe.

- Available in low, medium, and high energy.
- Ready for safe handling with just one click.
- Can be fully dismantled and decontaminated.
- Shock resistant.
- Compatible with all syringes of the market.
- Lead glass window with zoom effect and white lining for optimum viewing.



Shielded Syringe Tray

The Shielded Syringe Tray offers extra protection for syringe doses awaiting patient injection. It is stackable and holds 6 syringes at one time.

- Dimensions: 250 (W) x 250 (L) x 75 (H) mm
- Weight: 5 kg
- Shielding: 3 mm Pb



Order Code	Product
101.050.000.000	Shielded Syringe Tray

Hoy Acrylic Shield

Protective BETA Shielding from Hoy Scandinavian provides the user with optimal radiation shielding within all work phases with the use of acrylic.

Accommodates 1, 2, 5 and 10 ml BD. Most makes of syringes can be accommodated.

- Thickness: 10 mm.



Easysqueeze Syringe Carriers

Cast in one piece from flexible resin, this syringe carrier gives users an excellent grip on the Easysqueeze and makes the product virtually unbreakable. Furthermore, the innovative locking system enables quick and flexible insertion of the syringe, whilst keeping it firmly in position, whatever the desired insertion depth.

- Fully protected lead glass.
- Comprises a tungsten structure to provide the operator with optimum protection.
- Colour-coded to identify the syringe capacity or the type of examination.
- Its optimised design and patented system allow complete disassembly and 100 % recycling of its components.
- Due to the glueless design, all parts of the syringe shield can be changed in situ in just a few seconds (high-density bevelled glass, tungsten protection or resin envelope).
- Tungsten thickness: min. 2 mm
- Lead glass thickness: 8 mm (density 5,2)





Low Activity Lead Glass Vial Shield

The Low Activity Lead Glass Vial Shield protects the user from hand and eye exposure, when inspecting vials before aspiration.

- Developed for low activity whilst offering complete 360° visibility at all times.
- Vial glass is shielded for low-energy isotopes.
- Tungsten components within the vial shield allow for the small physical dimensions and light weight.
- Designed to give the optimum balance of protection and visibility, these Low Activity Glass Vial Shields are easy to use and offer ample protection from lower energy isotopes.
- Quick-release magnetic top allows needle access to the vial septum, vials are changed using a secure screw-top.
- Shields accommodate most vials using a selection of plastic inserts (included).
- Available in 4 mm Pb equivalent.
- Standard colours: Red, Aluminium (other colours available at extra cost).
- Lead glass (thickness 12.5 mm) equivalent to 4 mm Pb.
- Outer dimensions: 60 (dia.) x 90 (H) mm.
- Inner dimensions: 30 (dia.) x 61 (H) mm.
- Standard hole: 5 (dia.) mm
- Oval hole: 5 x 13 mm on demand.
- Weight: 1033 g



Order Code	Product
101.000.101.000	Vial Glass, Low Activity, Red
101.000.102.000	Vial Glass, Low Activity, Blue
101.000.103.000	Vial Glass, Low Activity, Green
101.000.104.000	Vial Glass, Low Activity, Aluminium
101.000.105.000	Vial Glass, Low Activity, Black

Medium/High Activity Lead Glass Vial Shield

The High/Medium Activity Lead Glass Vial Shield protects the user from hand and eye exposure, when inspecting vials before aspiration.

- The lead glass has a unique magnetic lift-off top for needle injection.
- Enclosed vial adapters ensure that the vial is always correctly positioned and aligned.
- Lead glass (thickness 20 mm) equivalent to 6.4 mm Pb.
- Outer dimensions: 75 (dia.) x 90 (H) mm.
- Inner dimensions: 31 (dia.) x 60 (H) mm.
- Standard hole: 5 (dia.) mm
- Sleeve: 5 x 13 mm on demand.
- Weight: 1600 g



Order Code	Product
101.000.201.000	Vial Glass, Med/High Low Activity, Aluminium
101.000.202.000	Vial Glass, Med/High Low Activity, Red

Eluat Vial Shield

Designed for Mallinckrodt and GE vials.

- Lead Glass Thickness: 26 mm equal to 8 mm Pb.
- Outer Dimensions: 86 (dia.) x 155 (H) mm
- Inner Dimensions: 50.7 (dia.) x 115.4 (H) mm
- Weight: 3.5 kg



Order Code	Product
101.000.601.000	Eluat Vial Shield





Beta Vial Shield

The Hoy Scandinavian Beta Vial Shield provides the user with optimal radiation shielding within all work phases with the use of acrylic and lead glass.

- Lead Glass Thickness: 26 mm equal to 8 mm Pb.
- Outer Dimensions: 94 (dia.) x 120 (H) mm
- Inner Dimensions: 37 (dia.) x 72 (H) mm
- Weight: 2.9 kg



Order Code	Product
101.000.301.000	Beta Vial Shield
109.000.401.000	Acrylic Shield for Zevalin Y-90, Small
109.000.402.000	Acrylic Shield for Zevalin Y-90, Large



Angled Tongs

Hoy Scandinavian Tongs are available in different lengths, angles and with different claw types.

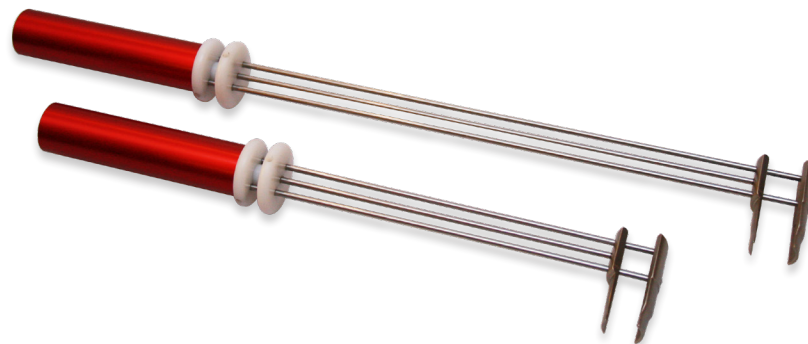
The two claws provide an excellent grip of the vial. These are operated by pushing the white disc against the handle to open the claws. The spring locking mechanism then automatically holds the vial until the white disc is pushed back again.



Order Code	Product
101.060.401.000	Tongs for Vials, w/Spring Grip, Angled Model, Right Hand w/Short Claws
101.060.402.000	Tongs for Vials, w/Spring Grip, Angled Model, RightHand w/Long Claws
101.060.501.000	Tongs for Vials, w/Spring Grip, Angled Model, Left Hand w/Short Claws
101.060.502.000	Tongs for Vials, w/Spring Grip, Angled Model, Left Hand w/Long Claws
101.060.502.000	Tongs for Vials, w/Spring Grip Angled Model w/Short Claws
101.060.302.000	Tongs for Vials, w/Spring Grip Angled Model w/Long Claws

Straight Tongs

Straight Tongs are produced with either short claws (30 mm) or long claws (60 mm).



Order Code	Product
101.060.101.000	Tongs for Vials, w/Spring Grip Short Model w/Short Claws
101.060.102.000	Tongs for Vials, w/Spring Grip Short Model w/Long Claws
101.060.201.000	Tongs for Vials, w/Spring Grip Long Model w/Short Claws
101.060.202.000	Tongs for Vials, w/Spring Grip Long Model w/Long Claws
101.060.601.000	Tongs for Vials, w/Spring Grip for 100 ml Vials
101.060.701.000	Tongs for Vials, w/Spring Grip for 11.5 ml Vials

Stabilised Vial Tongs

The Stabilised Vial Tongs feature a single axis gimbal to stabilise the vial. This ensures a stabilised vial throughout any motion. The gimbal will stop the vial from tilting, even when the tongs are tilted.

Ideal for use with Hoy Scandinavian glass vials; the tongs are easier to align with the slot in the vial glass enabling simple and easy insertion.

These tongs currently only accomodate 10 ml vials, however other volumes can be supported on request.

- Length of handle: 125 mm
- Length from handle to claw: 260 mm
- Length of claw: 70 mm
- Total length: 405 mm

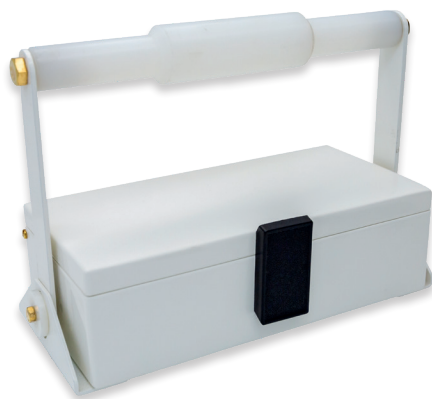


Order Code	Product
101.060.801.000	Stabilised Vial Tongs

Cleanroom-friendly
Syringe Carrier

The centre compartment of this syringe carrier is machined from aluminium with no seams or joins, making it ideal for infection control.

- Lay flat carrying handle has an interface to the main box preventing the box from tilting when carried.
- Catch fitted to the lid preventing inadvertent opening.



Order Code	Product
SSC101	Syringe Carrier

PET Syringe Transport
Container (MR Safe)

This non-magnetic syringe container features a removable tray inside.

- Outer Dimensions: 127 x 297 x 190 mm
- Tray Dimensions: 60 x 200 x 40 mm
- Weight: 40 kg
- Shielding: 30 mm Pb

Compatible syringe transport trolley.

- Stainless steel frame with coloured coating.
- Removable wheels proved an easy transition to a sterile environment.
- Laptop table, adjustable tray, and waste bin.
- Dimensions: 910 (H) x 500 (W) x 650 (D) mm



Order Code	Product
105.001.501.000	Syringe Transport Container
105.000.100.000	Transport Trolley

Small Waste Container

The small waste container has 3 mm lead shielding, or 15 mm for FDG.

- Outer Diameter 130 mm
- Inner Diameter: 106 mm max.
- Height: To customer's specification.
- Weight 4 - 6 kg



Order Code	Product
101.080.001.000	Small Waste Container

Medium Waste Container

The medium waste container has 3 mm lead shielding, or 15 mm for FDG.

- Outer Diameter 180 mm
- Inner Diameter: 147 mm max.
- Height: To customer's specification.
- Weight 6 - 8 kg



Order Code	Product
101.080.002.000	Medium Waste Container

Large Waste Container

The large waste container has 3 mm lead shielding, or 15 mm for FDG.

- Outer Diameter 260 mm
- Inner Diameter: 235 mm max.
- Height: To customer's specification.
- Weight 8 - 10 kg



Order Code	Product
101.080.003.000	Large Waste Container

Square Waste
Containers

The square waste containers are made to suit individual measurements, so they fit the yellow bins exactly. They are constructed with 3 mm lead shielding, or 15 mm for FDG.

For exact dimensions and prices, please contact us and let us know the brand, length and diameter of your bin.



Small Pedal Waste Containers

A shielded waste enclosure with 3 mm lead lining and pedal operated lid, the Pedal Waste Container is designed to be fitted with a disposable bin bag.

- Outer diameter: 260 mm
- Inner diameter: 230 mm
- Height: 410 mm
- Weight: 21 kg



Order Code	Product
101.080.005.000	Pedal Waste Container

PET I-131 Waste Container

A PET waste container with 15 mm lead shielding.

- Outer diameter: 180 mm
- Inner diameter: 110 mm
- Height: 230 mm
- Weight: 21 kg



Order Code	Product
101.100.301.000	PET/I-131 Waste Container

Floor Standing Waste Container

Designed to accommodate a large bag the Floor Standing Waste Container features a sliding lid to alleviate manual handling issues. It is available with 3 mm lead shielding, or 15 mm for FDG.

- Outer diameter: 305 mm
- Inner diameter: 250 mm
- Height: 600 mm
- Weight: 80 - 120 kg
- Brushed stainless steel.

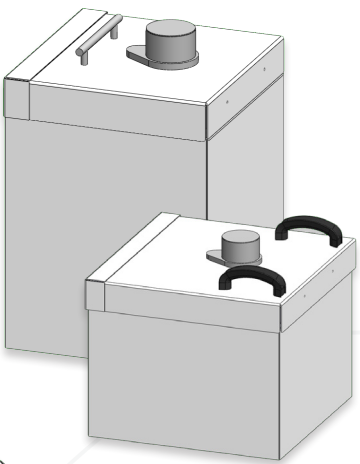


Order Code	Product
101.080.006.000	Floor Standing Waste Container

Size-customisable Sharps Enclosures

Made in the UK and designed to accept the SharpSafe and Daniels sharps bins these fully customisable enclosures offer a sliding aperture shield, pivot lid / sliding lid, lockable hasp, and swing arm.

- Powder coated stainless steel.
- Maximum lead thickness: 30 mm
- Contact us about your requirements.

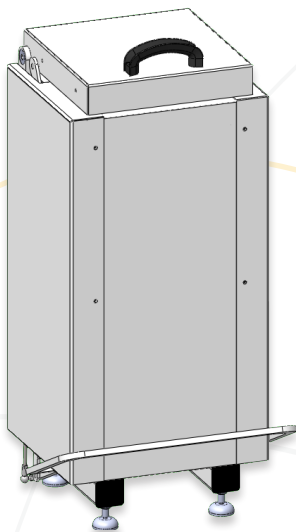


Pedal Waste Bin

A shielded bin enclosure with lead lining and pedal operated lid, the Pedal Waste Bin is designed to be fitted with a disposable bin bag and the enclosure is self supporting on four adjustable feet.

- Powder Coated / Stainless Steel.
- Size determined by customer's specification.
- Lead shielding from 5 to 30 mm

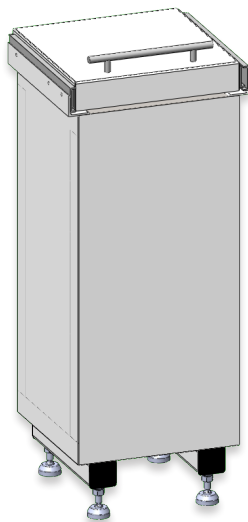
Contact us about your requirements.



Slide Waste Bin

The Slide Waste Bin is designed to be fitted with a disposable bin bag and the enclosure is self supporting on four adjustable feet.

- Powder Coated / Aluminium.
- Size determined by customer's specification.
- Lead shielding from 5 to 30 mm
- Contact us about your requirements.



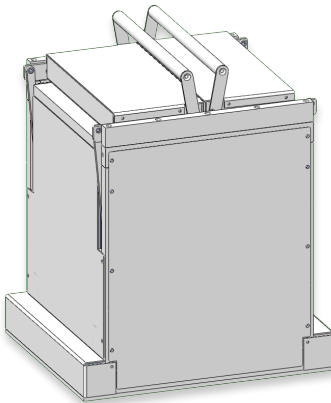
Cantilever Bin

The Cantilever Bin is designed specifically for high-energy isotopes that require the highest levels of shielding.

Capable of housing eight 4 ltr SharpSafe sharps bins the Cantilever Bin allows for consolidation of waste for economic decay storage and ultimate disposal. The Cantilevered design allows 50 mm of lead on the lid to be opened with the lightest of touches.

- Powder Coated / Aluminium.
- Size determined by customer's specification.

Contact us about your requirements.



Waste Bottle Container

A lead shielded container constructed from stainless steel to house a 1 ltr waste bottle.

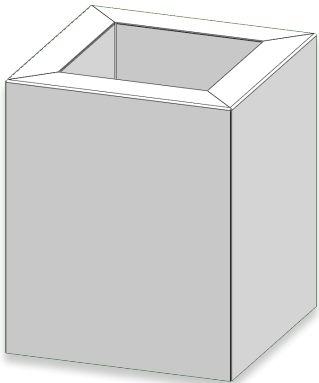
- Powder Coated / Stainless Steel
- Outer Dimensions: 168 (dia.) x 308 (H) mm
- Inner Dimensions: 97.6 (dia.) x 237 (H) mm
- Weight: 53 kg
- Maximum Lead Thickness: 50 mm



Waste Store

Featuring lead shielding on four sides, this waste store can be mounted within a secondary cabinet.

- Powder Coated / Stainless Steel
- Maximum Lead Thickness: 30 mm



Radiacwash™

Radiacwash™ is a concentrated solution designed to rapidly control radioactive contamination and remove radioactive particles from surfaces by a two-way action. First, it will sequester metallic ions which contaminate surfaces. Second, it lifts up and firmly suspends the contaminating particles, allowing contamination to be rinsed away with hard, soft or salt water.

- Formulated to decontaminate the widest possible range of contamination from radioisotopes and fission products.
- Does not affect surfaces as acids and reagents do.



Order Code	Product
005-100	Radiacwash™ (1.8 Ltr)

Radiacwash™ Spray Mist

Radiacwash™ Spray Mist combines the power and economy of Radiacwash™ into a special high pressure mist applicator.

- Penetrates around and under contaminants and lifts them off the surface into a solution which can be wiped up and disposed of easily.



Order Code	Product
005-400	Radiacwash™ Spray Mist (1 Ltr)

Radiacwash™ Decontaminating Wipes

Radiacwash™ Decontaminating Wipes are the most efficient and safest way to remove radiocontamination from hands and small objects. Simply dispense the Radiacwash pre-moistened wipes from the canister, scrub hands thoroughly and wash the contamination away with running water.

- Pre-moistened with Radiacwash™ solution.
- Ideal for hands and small objects.
- Each wipe measures 177 x 203 mm
- 75 wipes per canister.



Order Code	Product
005-300	Radiacwash™ Decontaminating Wipes

Service and Support

Southern Scientific has a team of fully qualified service engineers, who support customers spanning the length and breadth of the UK. We can provide factory or on-site service as required, based on single visits, planned maintenance or full support under contract. We maintain a high level of spare parts, ensuring lifetime support capability.

Our systems group can offer its service for the larger installed equipment, from initial planning to installation, completion and training. We can provide expert knowledge and experience, gained through involvement in a number of large-scale projects throughout the years.

ISO Certified

Southern Scientific Ltd is certified to ISO 9001 and ISO 13485 representing the high level of quality assurance and management that we provide at every stage of the supply process, whether a product is distributed on behalf of our trusted manufacturers or constructed in our UK workshop. This accreditation means that our customers can place an order knowing that the delivered product will be suitable for its intended use, fully compliant with EU legislation and in full working order.

All our products are CE marked.

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