Specifications are subject to change without prior notice. Please refer to the actual product for final parameters.



APEX MEDICAL SOLUTIONS

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VER. APN2601

APEX
Medical Solutions

RADIATION PROTECTION SOLUTIONS

Nuclear Medicine



PREPARATION AND TRANSPORTATION

This product portfolio covers shielding accessories for radiopharmaceutical dose preparation, aliquoting, fractionation and intrafacility transport. The portfolio includes L block shielded workstations, mobile lead shielding screens, unitdose pigs, vial shields and transfer accessories. Designed to reduce scattered radiation exposure during hotlab manual handling, these components support safe dose drawing up, pig opening and sample transfer between production areas. Selected items fulfil innershielding requirements for TypeA transport packaging. Several products can also be reused for QC sample manipulation. All items are built for easy decontamination to meet radiopharmacy GMP working conditions.

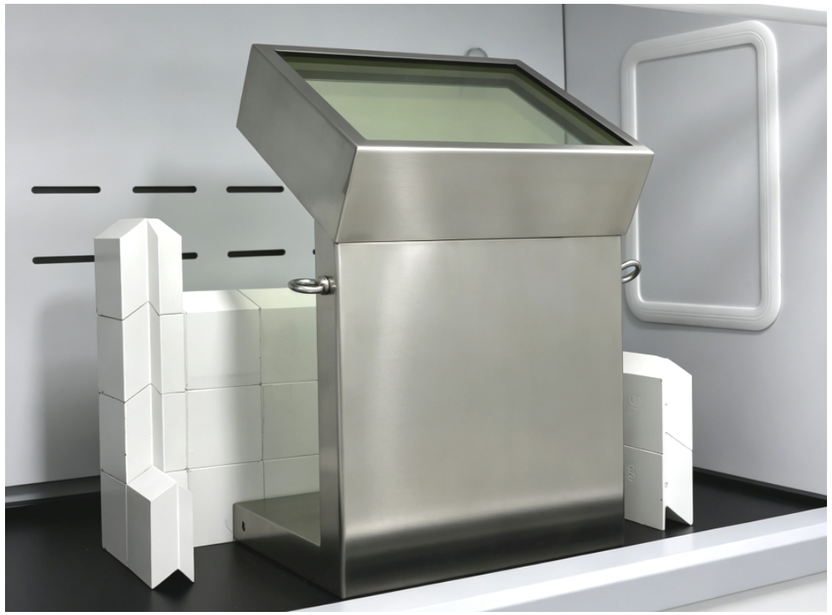


L-Block



Cat. No.:	HYCL004	HYCL005	HYCL006	HYCL007
Material:	Lead, stainless steel			
Dimension:	380x365x600mm	350x310x448mm	350x411x587mm	255x255x397mm
Weight:	270Kg	102.7Kg	72Kg	17Kg
Radiation protection:	65mm	36mm	12mm	6mm

Lead Bricks





Base Brick HYLB001



Ordinary Brick HYLB002



Corner Brick HYLB003

Cat.No:	HYLB001	HYLB002	HYLB003
Material:	Lead	white baked enamel coating	
Dimensions:	200x100x50mm	200x100x50mm	100x100x50mm

Manual Dispensing System



Manual dispensing system is specially made of tungsten, lead, and stainless steel, combined with a stainless steel rotating support base. This design allows for easy flipping to any angle, helping to minimize unnecessary radiation exposure to the operator when manually dispensing radioactive drugs.

Cat. No.:	HYCL008
Material:	Tungsten, lead, stainless steel
Dimension:	Φ108 x 155mm
Radiation protection:	50mmpb

Lead Shielding Screen

Constructed with nationalstandard lead sheet shielding core and 304 stainless steel housing, mobile lead shields provide effective attenuation of Xray and gammaray radiation. Designed for radiology departments, nuclear medicine wards and interventional operating rooms, they protect operators from ionizing radiation exposure. Fitted with mobile casters for flexible repositioning. Multiple configurations including singlepanel, doublepanel and tri panel foldup versions are available to satisfy diverse sitespecific shielding requirements.



Single-Panel Mobile Lead Shield



Double-Panel Mobile Lead Shield



Three-Panel Foldable Mobile Lead Shield

Lead Shielding Screen with Lead Glass Window



Single-Panel Mobile Lead Shield with Lead Glass Window



Double-Panel Mobile Lead Shield with Dual Lead Glass Windows



Three-Panel Foldable Mobile Lead Shield with Multi Lead Glass Windows

General Technical Specifications

Cat.No	HYCL115, HYCL116, HYCL117
Measurement	2000*1000, 2000*2000, 2000*3000mm
Housing Material	304 Stainless Steel
Shielding Substrate	Certified lead sheet
Available Lead Equivalence	Up to 10 mmPb (customizable on request)
Mobility	Silent swivel casters
Configurations	Singlepanel / Doublepanel / Tripanel foldable

Type A Package: Shielded Transport and storage containers

The APEX Type A transport container is engineered for safe transportation of radiopharmaceuticals. It consists of an inner stainless steel lead pot for multitype radiation shielding, paired with a rugged aluminium outer case lined with shockabsorbent EVA foam. Compliant with Type A packaging requirements for radioactive substances, this unit provides reliable attenuation of alpha, beta, gamma and neutron radiation, alongside robust mechanical impact protection during transit. It is widely adopted in nuclear medicine departments, hot labs and radiopharmaceutical distribution workflows.





Cat.No:	APEX-Type-A
Packaging Category	Type A Radioactive Material Transport Package
Inner Vessel	Stainless steel lead pot
Outer Housing	Reinforced aluminium flight case
Internal Cushioning	Custom-cut EVA foam
Outer dimensions of overpack	L305 X D305 X H330 mm
Weight of the entire package:	15.5kg

Shielded Container



Designed for the transportation and storage of radioactive isotopes or other radioactive materials, containers can be customized according to requirements. It features different materials and handle shapes to ensure safe and efficient handling.





Tungsten Vial Shield



Cat. No.:	HYCT009	HYCT010	HYCT011	HYCT012
Material:	Tungsten	Tungsten	Tungsten	Tungsten
External dimension:	Φ35x69mm	Φ39x70mm	Φ54x91.5mm	Φ54x88mm
Internal dimension:	Φ23x56mm	Φ26x56mm	Φ32x71mm	Φ37x68mm
Weight:	0.8Kg	0.95Kg	1.75Kg	1.77Kg
Radiation protection:	9mmpb	10mmpb	11mmpb	11mmpb



Cat. No.:	HYCT014
Material:	Tungsten Lead glass
Tungsten:	2mm
Lead glass:	10mm

Sliding cap design; available in 4 mm or 6 mm tungsten (W) thickness.



Cat. No.:	HYCT001
Material:	Tungsten
External dimension:	Φ77 x 107.5mm
Internal dimension:	Φ26 x 55.8mm
Weight:	8.14Kg
Radiation protection:	25.5mm tungsten

Lead Vial Container



Cat. No.:	HYCL001
Material:	Lead
Dimension:	Φ103 x 135 mm
Weight:	11.4Kg

Lead Vial Container with Bayonet Lock



Cat. No.:	HYCL002
Material:	Lead
External dimension:	Φ116 x 162mm
Internal dimension:	Φ33 x 66mm
Weight:	17.1Kg
Radiation protection:	40mm Pb



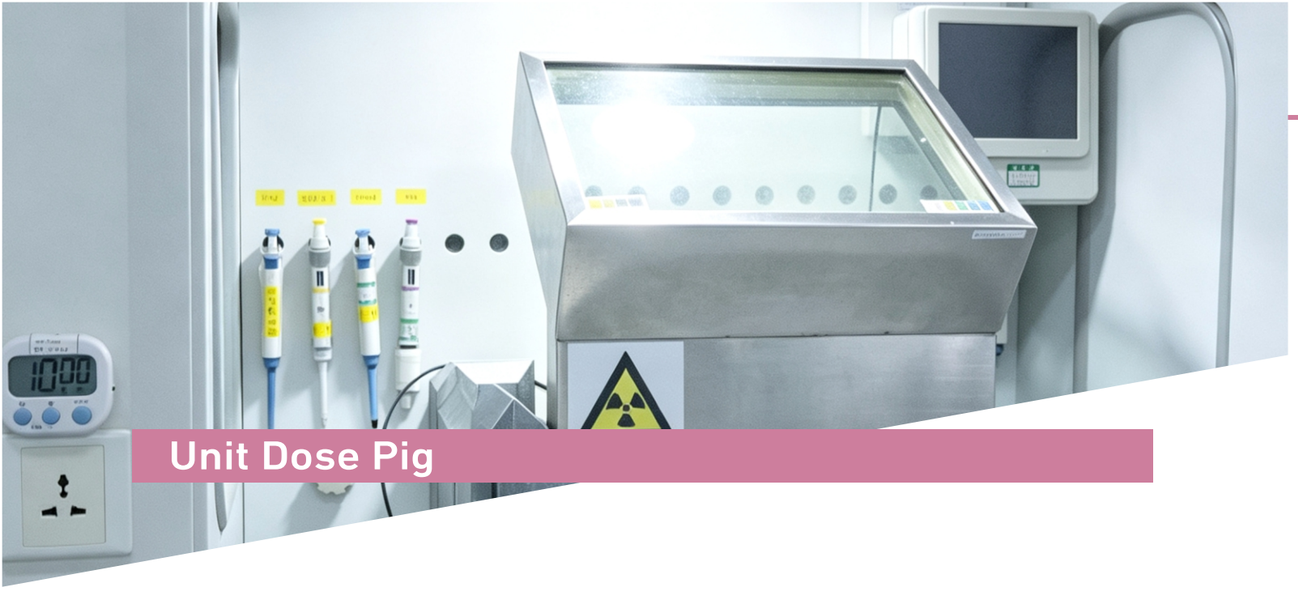
HYCT002 HYCT003

Cat. No.:	HYCT002	HYCT003
Material:	Tungsten	Tungsten
Dimension:	Φ 66 x 104 mm	Φ 60x 96.4 mm
Weight:	5.43Kg	4.6Kg



HYCT004 HYCT005

Cat. No.:	HYCT004	HYCT005
Material:	Tungsten	Tungsten
Dimension:	Φ 57.7 x 94mm	Φ 51.8 x 88.6mm
Weight:	3.64Kg	2.84Kg



Unit Dose Pig



Three-Section Unit Dose Pig

	3/5ml	10ml
Cat. No.:	HYCTO07	HYCTO08
Material:	Tungsten	Tungsten
Dimension:	Φ60x241mm	Φ63.5x244.7mm
Weight:	7.5Kg	9.5Kg



Cat. No.:	HYCL003
Material:	Lead, polypropylene
Dimension:	Φ 59.4 x 20 mm
Weight:	1.35Kg

Others



	3ml	10ml	20ml	25ml	Vial Adapter For PET Hot Cell Pig
Cat. No.:	HYACOO1	HYACO02	HYACO03	HYACO04	HYACO05
Dimension:	Φ125.5x48mm	Φ036x62mm	Φ036x62mm	Φ135.5x62mm	Φ056x87mm
Weight:	0.02Kg	0.05Kg	0.04Kg	0.02Kg	0.11Kg



These small yellow sponge sheets are designed for easy moisture absorption and can be customized in size to meet your specific needs.

INJECTION

Ergonomic syringe shield series for patient-side radiopharmaceutical injection. Equipped with lead glass viewing windows for scale observation, these products effectively reduce staff finger dose during clinical administration. Not intended for radioactive material transport.



Clip-Lock Front-View Syringe Shields



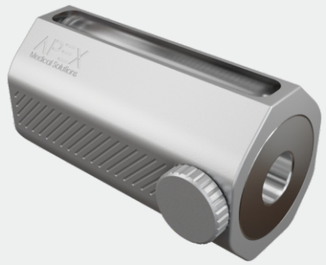
Our tungsten shields provide optimized radiation protection for 1–10 ml syringes. Featuring a secure Clip-Lock mechanism, they ensure a firm, one-click lock with effortless one-handed release.The front-facing window is paired with a bright white interior to create a high-contrast background, making syringe markings exceptionally clear and easy to read. Available in 5 color-coded versions, the anodized aluminum body is built for durability, quick identification, and easy decontamination.

Tungsten Clip-Lock Syringe Shields





Cat.No:	HYST001	HYST002	HYST003
Volume	2.5ml	5ml	10ml
Inside Dimensions	Φ11x65mm	Φ14x75mm	Φ17x85mm
Weight	0.14kg	0.19kg	0.25kg
Tungsten Thickness	2mm	2mm	2mm
Lead Glass Thickness	7mm	7mm	7mm



Cat.No:	HYST004	HYST005	HYST006
Volume	2.5ml	5ml	10ml
Inside Dimensions	Φ11x65mm	Φ14x75mm	Φ17x85mm
Weight	0.64kg	0.80kg	1.13kg
Tungsten Thickness	8mm	8mm	8mm
Lead Glass Thickness	13mm	13mm	13mm

Clip-Lock 360° Full-View Syringe Shields



Cat. No.:	HYST009
Material:	Tungsten Lead glass
Tungsten:	2mm
Lead glass:	7mm

Featuring a high-density lead glass window, these shields offer optimal 360° visibility for an unobstructed view from any angle. The secure Clip-Lock mechanism provides a firm hold with quick, one-handed operation for 1-10 ml syringes.For maximum safety, the end cap is lined with 2mm tungsten shielding to protect the locking area where glass cannot reach. Each shield includes a lead glass protection ring and is available in 5 color-coded versions. The anodized aluminum body ensures rugged durability and effortless decontamination.

Syringe Transport Shielding Container



Cat. No.:	HYSL007
Material:	Lead, Stainless steel
Dimension:	263mmx95mmx95mm(h)
Weight:	10.5Kg
Radiation protection:	12mm

Wheeled Mobile Hight-a djustable Injection Workstation



Cat. No.:	HYSL008	HYSL009
Material:	Lead, Stainless steel	
Dimension:	200mmx250mm	
Weight:	270Kg	320Kg
Radiation protection:	20mm	40mm

QC

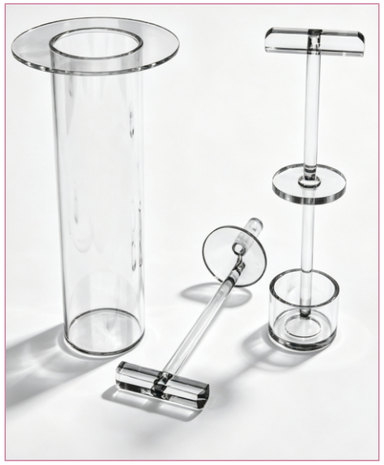
Specialised shielding accessories for radiopharmaceutical QC laboratory operations, covering sample preparation, activity measurement and temporary sample storage. Minimise instrument background interference and protect technicians during batch release testing.





QC Vial Holder

Cat. No.:	HYCT013
Material:	Tungsten
Dimension:	Φ 98.5 x 100mm
Weight:	11.9Kg



Dose Calibrator Funnel Dipper

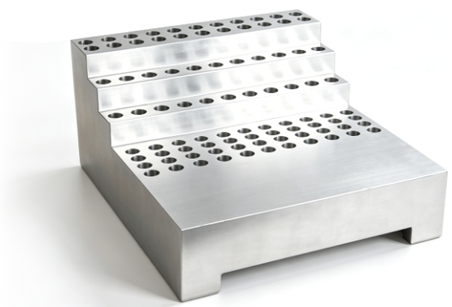
Cat. No.: HYAC006-1
Material: Acrylic
Accommodates 0.5,1,3,5,6,10,1220 and 60 ml syringes

Standard Dose Calibrator Dipper

Cat. No.: HYAC006-2
Material: Acrylic

Well Liner Sleeve

Cat. No.: HYAC006-3
Material: Acrylic



QC Station

Cat. No.:	HYAC007
Material:	Stainless steel
Dimension:	635 x 559 x 298mm
Weight:	8.5Kg



STORAGE AND WASTE MANAGEMENT

Shielded containers for laboratory site temporary storage and decay waiting of radioactive vials and samples. Designed for on-premise holding only, not for independent transport.Shielded waste bins and receptacles for collecting radioactive solid waste in radiopharmacy facilities. Contain various forms of radiation from discarded radioactive consumables for compliant temporary waste storage.



Source Storage Container

Cat. No.:	HYCL114
Material:	Lead, stainless steel
Dimension:	500mmx400mmx650mm(H)
Radiation protection:	20mmpb
Weight:	207Kg



Radioactive Waste Container

Cat. No.:	HYCL110	HYCL111
Material:	Lead, stainless steel	
Dimension:	Φ260 x 450mm	
Radiation protection:	20mmpb	10mmpb

This specially designed container features a top lid with a convenient screw-on waste disposal opening for quick access. The container has a double-layer stainless steel design for storing radioactive solid waste, with stainless steel handles welded to the outer layer. It is equipped with heavy-duty swivel casters on the bottom for easy mobility or secure placement.



Foot-operated Radioactive Waste Container

Cat. No.:	HYCL112	HYCL113
Material:	Lead, stainless steel	
Internal dimension:	270mmx270mmx380mm(H)	
Radiation protection:	20mmpb	10mmpb



Source Storage Container

Cat.No:	HYCL120
Measurement:	241x241x325mm
Internal dimensions:	191x191x250mm
Material:	Lead, stainless steel
Weight:	115kg
Radiation Protection:	25 mmPb



Personnel PPE

Personal wearable radiation protection articles for operators across hotlab, QC laboratory, injection and waste-handling workflows. This portfolio contains lead loaded aprons, protective caps, lead goggles, radiation protective gloves and supporting accessories for extremity dose monitoring. These wearable items serve as secondary layer individual protection to complement engineering shielding hardware. Critical for controlling wholebody and fingerdose exposure for staff working with radiopharmaceuticals, and support ALARA compliance across all nuclear medicine working stations.



Double-sided Lead Apron

- Cat.No: HYPP001
- Material: super soft light lead
- Size: S/M/L/XL
- Lead equivalent: 0.5mmpb



Lead Rubber Cap

- Cat.No: HYPP002
- Material: super soft light lead
- Size: Universal type
- Lead equivalent: 0.5mmpb



Lead Collar

- Cat No: HYPP003
- Material: super soft light lead
- Specification: Irregular shaped scarf
- Lead equivalent: 0.5mmpb



Lead Glasses

- Cat.No: HYPP005
- Material: Stainless steel with weighted base
- Configuration: 5,6 or 10 fixed hangers