



ULTRARAY
RADIATION PROTECTION



DISPENSING HOT CELLS
PRODUCTION HOT CELLS

1.877.338.6857

www.ultraray.com

Ultraray Inc. is a leading manufacturer of high-quality, economical dispensing hot cells for the quality assurance and dispensing of PET and other radiopharmaceuticals.

The standard hot cell features 360° of radiation shielding and a large hinged or sliding lockable front door and hinged or sliding lockable side doors. It accommodates either Tru-Motion or CRL telemanipulator arms.

SOLID LEAD CONSTRUCTION

Ultraray, Inc. hot cells are constructed of machined sheets of solid lead that are reinforced with steel. The sheets of solid lead can be of any thickness. The thickness of the lead can vary from one side of the hot cell to the other. If there is not an occupied space above the hot cell, the hot cell can be manufactured without lead shielding in the top to reduce the cost, not an occupied space above the hot cell, the hot cell can be manufactured without lead shielding in the top to reduce the cost.

SEAMLESS STAINLESS STEEL INTERIOR AND EXTERIOR

Ultraray, Inc. hot cells feature high-quality seamless 316L stainless steel interiors and seamless 304 #3 brushed stainless steel exteriors.

LEAD GLASS WINDOW

Ultraray, Inc. hot cells feature 5.2 g/cm³ lead glass windows that are protected on both sides with clear polycarbonate. The window can be any size with any thickness of lead glass.

DOORS

Ultraray, Inc. hot cells can be manufactured with a hinged front door, a motorized sliding front door, or no front door at all. The front door can be any size. Doors are "stepped" to eliminate radiation leakage. Our hot cells can be manufactured with a hinged or sliding door on either side and/or the back. The doors can be of any size. Doors are "stepped" to eliminate radiation leakage.



AIR-OPERATED VERTICAL PASS-THRU

Ultraray, Inc. hot cells are available with an optional air-operated vertical pass-thru to "cleanly" move syringes into and out of the hot cell.

AIR-OPERATED HORIZONTAL PASS-THRU

Ultraray, Inc. hot cells are available with an optional air-operated horizontal pass-thru to move syringes and vials into and out of the hot cell.

UNIQUE DOSE CALIBRATOR SHIELD

Ultraray, Inc. hot cells are available with an optional, unique dose calibrator shield. The dose calibrator can be removed from the shield for service without disassembling the shield.

SHIELDED PRODUCT DELIVERY LINE

Ultraray, Inc. hot cells are available with an optional shield for the product delivery line. The shield goes bottom of the hot cell to the floor

TELEMANIPULATOR ARMS

Ultraray, Inc. hot cells can accommodate either Tru-Motion or CRL telemanipulator arms.





Production Hot Cells

The Production Hot Cell was designed to house chemical synthesis modules used in the production of radiopharmaceuticals.

Ultraray Radiation Protection is proud to have successfully delivered complete design, management and engineering services to partners in Radiopharmaceutical manufacturing and nuclear medicine industries.

- Constructed of machined sheets of solid lead (any thickness) reinforced with steel
- Constructed of machined sheets of solid lead (any thickness) reinforced with steel
- Available with side-to-side cells or stacked cells or single cell
- HEPA-filtered air provides ISO 5 (Class 100) environment (optional)
- Custom designs available



Shipping & Installation for Production and Dispensing Hot Cells