

Environmental Health and Safety
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Iodine (I-125)

Half Life: 60 days

Radiation: Low energy gamma

Shielding: 3 mm lead for gamma

Dosimetry: Body and ring badges. Urine assays may be required after spills or contamination incidents.

8YhYWh]cb#AYUg i fY a Ybh.'G i f jYm' a YhYf' k]h\ 'BU='dfcVY'' K]dY'hYghg

General Precautions:

Maintain your occupational exposure to radiation As Low As

Special Precautions:

Store behind 3 mm lead shielding when working with
Use tools to indirectly handle unshielded sources and
potentially contaminated containers - no direct hand contact
Ensure that an appropriate, operational survey meter is
present in the work area and turned on whenever Iodine is
handled to immediately detect contamination
Shield waste containers as needed to maintain accessible dose
rate ALARA

Safe Lab Practices:

Disposable gloves, lab coats, and safety glasses are the
minimum PPE required when handling radioactive material
Remove and discard potentially contaminated PPE prior to
leaving the lab area where radioactive material is used
Cover all lab bench tops where radioactive material is handled
with plastic-backed absorbent paper - change as needed
Handle radioactive solutions in trays large enough to contain
the material in the event of a spill
Never eat, drink, smoke, handle contact lenses, apply
cosmetics, or take medicine in the lab - keep food, drinks, and
cosmetics out of the lab entirely
Never pipette by mouth
Never store food and beverages