



**Avoid generating mixed waste (combinations of radioactive, biological and chemical waste)**

**Special Precautions:**

**Store Fe-52 behind adequate lead (Pb) shielding (minimum of 2mm plastic)**

**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 Fe-52 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 in refrigerators/freezers used for storing radioisotopes – ensure that isotopes are secured at all times**