

Site readiness checklist · 02

Alpha-specific safety

Operational deltas vs. a beta-emitter program. The biggest shift is from shielding-driven thinking to contamination-driven thinking.

Instrumentation

- Alpha-capable survey instruments (ZnS scintillation or equivalent) procured and calibrated.
- Daughter-gamma monitors retained for chairside and area surveys.
- Bioassay program reviewed for alpha-emitter cadence (urine / nasal swab as indicated).

PPE & spill response

- Contamination-focused PPE specified (double gloves, sleeve covers, eye protection).
- Alpha-specific spill kit on hand with absorbent media and tagged waste bags.
- Spill response drilled with the actual administration team, not just RSO.

Daughter radionuclides

- Daughter-isotope monitoring procedure approved by RSC.
- Patient-release surveys account for in-vivo daughter buildup.
- Decay-in-storage hold time covers the full chain.

Incident response

- Notification triggers and chain-of-command documented.
- Personnel dosimetry program adjusted for alpha exposure pathways.
- Patient release criteria written down — not just remembered.