

- 4.4.5.2A Energy spectrum check, if applicable, to verify that the counter is properly peaked and that the photopeaks of the radionuclides coincide with the preset photopeak energy windows.
Frequency: Daily or before use
- 4.4.5.3A Background exposure or counting rate must be measured.
Frequency: Daily or before use
- 4.4.5.4A Constancy of response must be checked by measuring the exposure or counting rate of a long-lived reference source. Measurements must be within acceptable tolerance levels (e.g., within 5-10% or as per manufacturer's recommendation).
Frequency: Daily or before use
- 4.4.5.5A If probe is used to perform radioactive contamination wipe tests, efficiency for a specific nuclide or region of interest must be measured to determine the ratio of detected counts measured by the system to the actual rate of decay (cpm/Bq or cpm/mCi) or disintegrations per minute (dpm).
Frequency: Annual or per manufacturer's recommendation
- 4.4.5.6A Chi-square (X²) test to measure reproducibility and random variation must be performed.
Frequency: Annually

STANDARD – Other Equipment Quality Control

- 4.5A Site-specific, detailed protocols must be documented and be followed for routine inspection and testing of all other medical equipment. Protocols must be in accordance with all federal, state, provincial and local requirements.
 - 4.5.1A Emergency Equipment
 - 4.5.1.1A An emergency response cart or kit, appropriate for the types of procedures being performed, must be present. There must be documentation that it is checked to assure that all expected items are present and none is expired.
Frequency: Monthly
 - 4.5.1.2A Defibrillator/AED device and supplies (e.g., pads, gel) must be checked for functionality (e.g., voltage and battery, expiration date)
Frequency: Daily when patient studies are performed
 - 4.5.1.3A Oxygen sources (wall unit or portable cylinder) must be checked for availability, pressure gauge shows adequate tank filling, proper function and proper tubing/mask.
Frequency: Daily when patient studies are performed
 - 4.5.1.4A Suction equipment (if applicable)
Frequency: As per facility policy
 - 4.5.2A Miscellaneous Equipment
 - 4.5.2.1A Infusion pump accuracy must be confirmed.
Frequency: Per manufacturer's recommendation