

Specifications for procurement of Multi-channel gamma spectrometer

- The equipment should meet all state and NRC wipe test requirements
- Should have well counter functions including Schilling test, blood volume plus wipe test
- At least 6-channel pulse height analyzer for energy discrimination & preliminary isotope identification
- Counting channels: variable from 1-1000 KeV
- Automatic energy calibration & background subtraction
- NaI crystal detector of 5-inches
- Direct readouts in cpm, dpm, Curies or Bequerel
- Count rate should be maximum 600,000 cps
- Radiation shield: 0.5" (1.3 cm) lead outer shield
- Auxillary shield: 0.5" thick. The top lid of the auxillary shield should have a handle for easy removal

- At least 1 year warranty plus 2 years extended warranty without spares
- At least 5 years of comprehensive AMC post-warranty period and should be quoted separately