Dose Calibrator Accuracy Test

Using a low, medium, and high energy sealed source (repeat these steps for each source) determine dose calibrator accuracy. Suggest ⁵⁷Co, ¹³⁷Cs, and ⁶⁰Co

- 1. Select the appropriate dose calibrator setting and first measure record the background.
- 2. Now place the corresponding sealed source with the dose calibrator.
- 3. Assay the source x3 and record each reading.
- 4. Average the three reading.
- 5. Subtract the background.
- 6. Calculate the percent variation based on theoretical and measured levels of activity.
- 7. Record all your data.

		Date
		Name
	Accuracy Test - Sealed Source 1	
Radionuclide	Reading 1	Background
Serial-Number	Reading 2	Average Activity
	Reading 3	Net Activity
	Theoretical – Measured x 100 Theoretical	% Variation
	Accuracy Test - Sealed Source 2	
Radionuclide Serial-Number Theoretical Activity	Reading 1	Background
	Reading 2	Average Activity
	Reading 3	Net Activity
	Theoretical – Measured x 100 Theoretical Accuracy Test - Seale	
Radionuclide	Reading 1	Background
Serial-Number	Reading 2	Average Activity
Theoretical Activity	Reading 3	Net Activity
	Theoretical – Measured x 100 Theoretical	% Variation

Did any of the three energy levels fail? If so which one(s)?