

## Radioactive Half-Life of Barium-137m

### Apparatus

1. Nucleus Scaler/Timer
2. Geiger Tube with Stand and Source Holder
3. Pasco 850 Universal Interface Data Acquisition System
4. BNC to Phone Plug Cable
5. Cesium/Barium-137m Isogenerator
6. Planchet

### Comments:

1. Load all syringes with eluant to elute Ba-137m from isogenerator and keep at front of room to dispense.
2. Dispense only two or three drops from isogenerator.
3. Use a different isogenerator for each group in a section.
4. Some time is needed for the isogenerators to recover if too much eluate is removed from the isogenerator.

### Setup

