

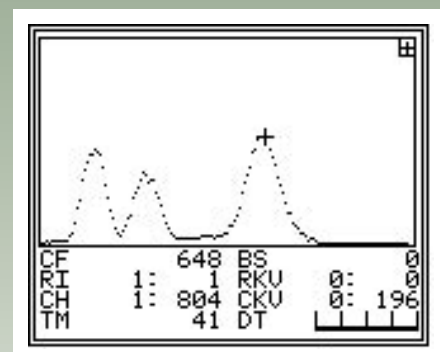
The Genesys Genii™

Multi-detector gamma counter



High Performance gamma counters for RIA and Research

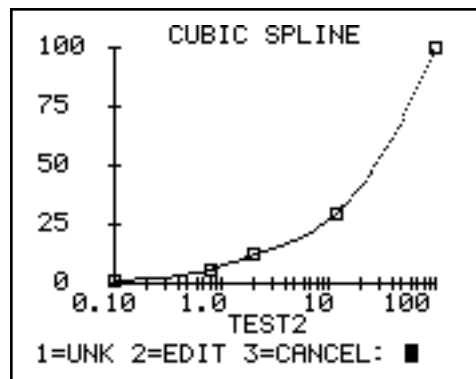
- Comprehensive data reduction for RIA, IRMA, Ratio and Research assays
- Simultaneous dual label counting (count Fol/B12 once)
- Automatic calibration with Co57 or Cs137
- Quality Control storage and plotting via Levey-Jennings charts
- Decay corrected stored curves
- 8 sizes to fit your needs (1,2,3,4,5,6,8 or 10 detectors)
- Well-type NaI(tl) detectors for maximum efficiency (>80% for I125)
- 4096 channel analyzer for unmatched accuracy and spectral plotting
- Connect to a PC, Mac, Unix/Linux or LIS
- E-lead™ eliminates high energy crosstalk (Cr51,Fe59,etc.)
- Self diagnosing of system parameters
- Compact size-less than 20 inches (51cm) wide.
- Very economical



I125 and Co57 counted simultaneously;
spillover is automatically subtracted.

Since 1983, LTI has been a leader in the gamma counter market. More leading laboratories worldwide have come to rely on the Genesys series due to its superior quality, accuracy and day to day reliability. NOW with the Genii™ we deliver these outstanding qualities in a compact, low cost package to the small to medium size laboratory.

Data Reduction

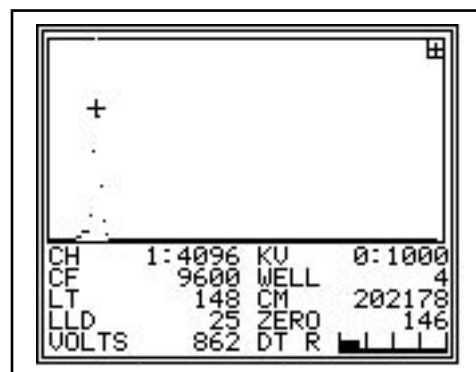


Curvefits: Point to Point, Weighted Straight Line, Straight Line, Pt to Pt, Cubic Spline, 4-Parameter Logistic.

Graph Paper: Linear-Linear, Semi-Log, Logit-Log.

Response Variables: CPM, %B/Bo, %CPM/HiSTD, K x (CPM/REF1). The power to calculate any RIA, IRMA, Ratio or screening assay.

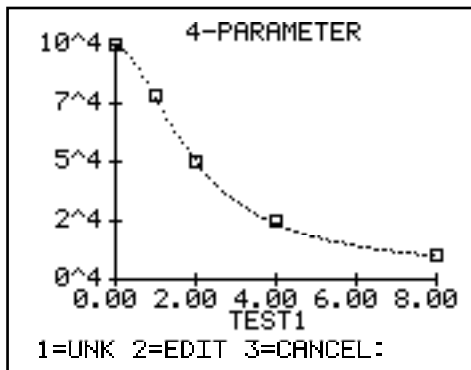
Calibration



Simply insert a Co57 or Cs137 source, touch automatic calibration and the Genesys Genii™ does the rest. High voltage, zero, dead time and linearity are automatically calibrated.

The powerful 4096 channel analyzer at the heart of the Genesys Genii™ assures you of accuracy and confidence in your assay results.

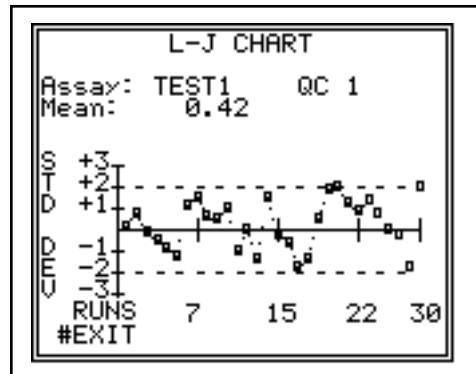
Stored Curve



Save time and money with the stored curve feature. The Genii™ can store standard values and apply automatic isotope decay correction.

For all subsequent runs, just count controls and unknowns. With each new assay lot, simply run the curve once; think of the time and money saved per year.

Quality Control Analysis



Quality Control software provides storage for the last 30 assay runs. Limits may be manually entered or automatically calculated

Concise Q.C. reports complete with Levey-Jennings charts will satisfy regulatory needs.

Specifications:

Detectors
Well-type NaI(tl) crystal coupled to high gain PMT.

Background
Less than 45 cpm for I125

Analyzer
4096 channels with automatic dead time correction.

Well Liner
Removable plastic well liner to prevent detector contamination.

Display
LED Backlit 4.5" (11cm) LCD

Printout
80 column compact thermal printer.

Keypad
Alpha numeric.

Interface
Configurable RS232 serial port allows easy connection to a Macintosh, PC, Unix/Linux or LIS.

Dimensions
20" (51cm) W x 13.5 (34 cm) D x 10.5 (27 cm) H.

Weight
70-90lbs. (32-40 kg).

Electrical
VAC: 100-240
Amp: 0.9 max
Hz: 50-60
Watts: 30



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