

# GENESYS 5000 SERIES

MULTI-WELL GAMMA COUNTERS



THE CORNERSTONE OF RIA

## INTUITIVE

The Genesys features one of the most advanced touch screens in the world. No books, no codes, no typing, simply view the screen and point your finger . . . it's done!

## HIGH RESOLUTION GRAPHICS

Genesys multi-wells offer the highest resolution graphics available. Accurate video displays are achieved using a large 12" CRT with full bit mapped graphics.

Employing the latest in printer technology, a unique ink-jet printer, Genesys supplies accurate reproductions of standard curves and Q.C. (Levey-Jennings) charts. Printing silently at 150 CPS, the ink-jet speeds across the page producing exceptional quality print without messy ribbons or special thermal paper.

## COMPACT DESIGN

Components of the Genesys fit neatly into a single compact unit occupying less than 30" of bench space.

## RELIABILITY

Due to its solid state design, the Genesys offers unsurpassed reliability. Using State-Of-The-Art EEPROM memory, the Genesys does not require hard or floppy disks for operation. Therefore, Genesys is not affected by magnetic fields, dirt, dust, humidity and mechanical failures that plague the magnetic media devices.

## DATA REDUCTION

The Genesys employs the most advanced data reduction available. User selectable parameters include: type of graph paper, response variable and curve calculation method. Flexible enough to accommodate all your immunoassay needs, the Genesys' data reduction has become the industry standard.

## QUALITY CONTROL

Assay Q.C. parameters may be stored and tracked over extended periods. Fully documented reports are available at the touch of a finger; complete with clear, concise Levey-Jennings plots.

Instrument Q.C. is fully documented. Automatic background subtraction, efficiency calculation, Chi Square and detector matching are just a touch away.

Built-in service diagnostics allow Genesys to test its own voltage levels, memory, printer, and touch screen.

## GENERAL SPECIFICATIONS

Detectors	Nal (Tl) integral line thin wall well
Efficiency	Better than 80% for I125 or Co57
Background	Less than 45 cpm for I125 window
Tube size range	Up to 16mm diameter with unlimited length
Dimensions	28"(71cm) W, 20"(50cm) D, 15"(38cm) H
Weight (approx)	5 well = 115 lbs. (52.1kg) . . . 10 well = 130 lbs. (59.9kg) 15 well = 145 lbs. (65.7kg) . . . 20 well = 160 lbs. (75.5kg) 25 well = 175 lbs. (79.3kg) . . . 50 well = 265 lbs. (120.2kg)
Power requirements	. 115/230 VAC, 50/60 Hz, single phase, 150 Watts all models

## EDITING

The Genesys offers more flexibility in assay editing than any gamma counter ever available. Our exclusive historical template tracks and compares the binding of each standard curve point over time to insure lot-to-lot integrity of your assays and provide an accurate reference for standard point editing.

Standards, controls, and Q.C.'s may be fully edited. Curve fits, axes changes, and Levey-Jennings may be compared on the fly . . . even as the rest of the assay is counting.

The Genesys' unique Patient Editing allows full post processing capabilities to handle dilutions, range modifications, deletions, etc. . . and of course all editing is documented.

## ISOTOPE SELECTION

Multiple isotopes may be counted on Genesys. Automatic spilldown correction for dual labelled assays, and cross-over correction for high energy isotopes (up to 1,000 KEV). Advanced, high speed circuitry contains automatic dead time correction for unmatched count rate stability.

## INTERFACING

The Genesys contains two bi-directional interface ports. Full software and hardware handshaking and a uniform field output allows once difficult interfaces to be completed in mere hours. The Genesys even has the ability to take counts from another gamma counter to standardize data processing and computer interfacing.

## PATIENT PROFILING

The Genesys allows test requests and demographics to be input from mainframe, PC., bar code reader, or keyboard, then generate work/load lists, patient reports, even labels. The Genesys will send edited results directly to the mainframe, PC., or printer.

## MAXIMUM PERFORMANCE

Genesys is the ultimate in high performance. Counting each tube of a 100 tube assay for 1 minute, the 50 well Genesys system will count, calculate, display, and print the results in just "seconds" over 2 minutes.