



Instrument Display



Moving Table & Detector Bridge

Chromatogram Scanning Counter

Medical Isotope System

Model - HY-1M

Features

- Accepts Paper Chromatograms, TLC Strips, and Electrophoreses
- Sensitive Thin Window Scintillator
- Spot and Slit Collimators for Low, High Energy and Mixed Gammas
- High Precision Digital Drive Scanner
- Sees All Gammas Greater Than 20 KeV
- Optimized for Medical Isotopes
- Computer Controlled
- Expandable to Multiple Detectors
- Multi-channel Analyzer with Basic Spectro-analysis Software
- Programmed to Analyze and Compare Traces

Application

Radio-Tracer methodology in Biochemistry, Biomed and Clinical Lab, Radiopharmacy, Nuclear Medicine.

Description

The HY-1 series instruments are automatic scanners for TLC's, gels, paper chromatograms and electrophoreses.

- A moving 10" x 20" plate carries a 20 cm TLC or other sample in controlled steps under a bridge.
- Examines trace on the sample.
- Transfers information to coupled computer.
- Detectors are interchangeable.

Standard detector is a thin window scintillation detector highly sensitive to:

- Low energy Gammas (such as those from I125, Tc99m, etc.).
- Gammas of all energies above 20 KeV (I131, Fe59, Cr51, Co57, etc.)
- Betas above 500 KeV (P32, etc.).

Included in the system is pulse height analysis resolution and "Isotope Library: to allow visualization and estimation of Isotopic content.

The multi-channel analyzer with its associated software added to the localization and quantification of radioactive content in the peak analyzer makes the HY-1 a versatile TLC scanner.



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