

TLC Radiochromatography Scanner

Reliable analysis for radiopharmaceutical quality control

-  Purity testing of radiopharmaceuticals
-  High sensitivity and precision
-  User-friendly operation
-  Integrated data analysis
-  Robust and reliable design

QUALITY CONTROL
FOR A SAFER
TOMORROW



Product description

The TLC Radiochromatography Scanner is primarily used for purity testing of radioactive drug synthesis, separation and analysis of radioactive labeled molecules, and purity control of radioactive tracers.



Radioisotope Dispensing Instrument



PET Radiopharmaceutical Dispensing Hot Cell

Main applications

-  Quality control of radiopharmaceuticals
-  Analysis of radioactive labeled molecules
-  Purity testing of radioactive tracers
-  Suitable for routine laboratory use

Technical specifications

Power supply	Wide-range power supply adapter for 100–240 VAC.
Detector configuration	Supports the maximum connection of two independent PMT-type scintillation detectors.
Detector interfaces	PMT_DET1 and PMT_DET2 are high-voltage outputs, with the SHV core being the positive pole and the shielding layer being the negative pole.
User interface	Resistive touch screen interface, simple and elegant.
Positioning	Automatically return to the original point after RESET.
Motor control	High-precision stepper motor motion control.
Collimator	Front collimator can be customized, with a default size of 3 mm x 1 inch.
Data management	Configuration parameters can be saved and will not be lost in case of power failure.
Data acquisition	Integrates a real-time ADC acquisition card internally.
Analysis functions	Supports multi-peak analysis, chromatogram calculation, peak retention time (RT), RF value display, manual integration analysis, data saving, and printing.
Quality control	Daily quality control of ¹⁸ F-FDG, as well as radiopharmaceuticals labeled with other nuclides such as ¹⁸ F-18, ^{99m} Tc-99m, ¹³¹ I-131, ⁶⁸ Ga-68, and ¹⁷⁷ Lu-177.
Communication	Ethernet interface with the computer, utilizing the TCP protocol.



PRECISE RESULTS



FLEXIBLE CONFIGURATION



TOUCH SCREEN INTERFACE



ETHERNET CONNECTIVITY



RELIABLE PERFORMANCE

SUPPORTING NUCLEAR MEDICINE
THROUGH ACCURATE MEASUREMENTS

ACCURACY | RELIABILITY | BETTER CARE