

RAD scan 200

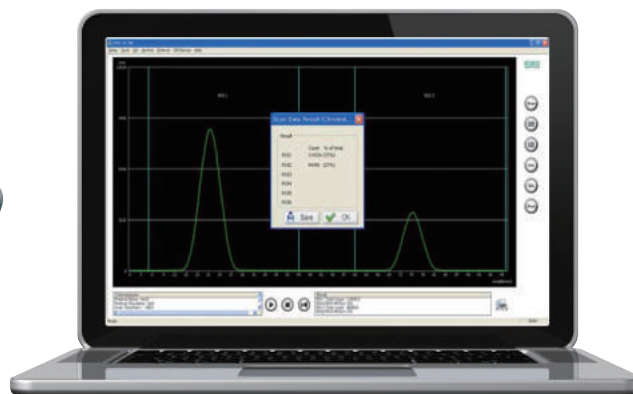
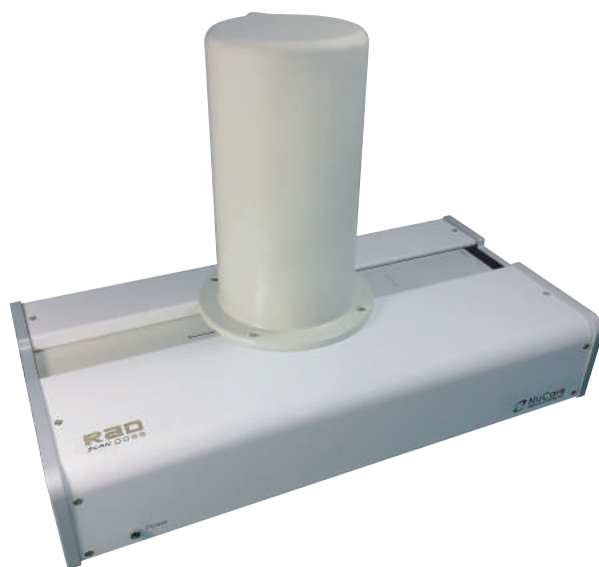


Radio TLC scanner

Radio TLC Scanner and Spectroscopy in one! A cost effective QC solution for SPECT & PET radiopharmaceuticals

The RAD Scan 200 evaluates the radiochemical purity of specific radiopharmaceuticals used in nuclear medicine procedures.

The integrated digital MCA and the fully programmable motor control result in a system that is readily driven by protocol driven application software. This makes it straightforward to implement the different analysis parameters required by each radiopharmaceutical or procedure. The RAD Scan 200 is well suited to the busy Nuclear Medicine Department with many procedures to perform.



Key features

- Daily quality control of radiopharmaceuticals used in Nuclear Medicine procedures
- Full detector and data acquisition control via application software
- Spectroscopic analysis of radiopharmaceutical purity
- Variable scan speeds from 0.1mm/sec to 4mm/sec.
- Protocol-driven software package for QC, operation and calibration
- Database supports data extraction and reanalysis of stored data
- Integrated digital MCA with 4096 Channel resolution.
- Removable strip bed accommodates TLC strips up to 5x20 cm (2x7.9 inches) in size

Specifications

Detector	Nal(Tl) (2×2 inch)	QA check	Cs-137 (~1uCi and ~10 uCi)
MCA	32 bit RISC, ARM® Cortex™-M3 Resolution : 4096 channel	Scan speed	0.1mm/sec – 4mm ¹ /sec
Collimator	90(Ø)×76(H) mm, 30 mm thick lead alloy	Strip carrier	Accommodate up to 5×20 cm strip
Resolution	6.5% ± 1% @ 662keV(Cs-137)	Power supply	110–230 V 50/60 Hz
Network	USB 2.0	Computer OS	Window XP or Window 7
Weight	23kg(50.7lb)	Dimensions	488(W)×244(D)×339(H) mm

1) It is factory default configuration. Maximum speed can be set up to 30mm/sec on request.

Application software

The standard software provides a graphical user interface for TLC scan, gamma-ray spectroscopy, detector control, data acquisition, QA and database management. The provide factory programmed protocols may be supplemented by user defined protocols. The protocols provide automatic control of the detector scan, the acquisition as well as graphical display and analysis. QA is assured by the quality control procedure and trending analysis of the QA data as a function of time. The database option supports the extraction and re-analysis of all stored data.

