MiniScan

Radio-TLC and Radio-HPLC-System

MiniScan

MiniScan is a versatile, low-cost radio-TLC scanner for the reliable detection of radioisotopes on narrow strips and plates.

Technology

MiniScan is a versatile TLC scanner for the reliable detection of radioisotopes on narrow strips and plates. The system is ideal for routine quality control of [^{18}F]FDG, ^{99m}Tc and ^{123}I radiopharmaceuticals.

A complete MiniScan system consists of a moving stage, a FlowCount system and a PMT based detector. FlowCount is a radioisotope HPLC detection system, which is compatible with all HPLC systems. MiniScan uses various interchangeable NaI photomultiplier detectors for measurements of most isotopes including ^{18}F, ^{125}I, ^{131}I, ^{99m}Tc, and ^{111}In. Several scan speeds and variable detector slits allow the detectors to measure a wide range of activities from 10 nCi to 100 µCi. Analog and digital signals are provided for interfacing MiniScan with existing chromatography data systems. *RaPET Chromatography Software* can also be used for your data collection and report generation requirements.

Applications

- Routine quality control of [^{18}F]FDG, ^{99m}Tc, ^{123}I radiopharmaceuticals
- TLC of radiopharmaceuticals labeled with gamma, beta, and alpha emitters
- ^{14}C verification in pharmaceutical and toxicology studies
- In-process TLC analysis of reaction mixtures

RaPET Chromatography Software

RaPET Chromatography Software is a comprehensive chromatography data collection and analysis package. This evaluation software is very reliable and easy-to-use. It furthermore consists of a GMP database ensuring GMP compliant documentation and adhering to 21 CFR part 11.

Features and benefits

- Easy-to-use system with maximum flexibility
- Easily adaptable for dual use as an HPLC detection system: FlowCount (requires flow cells and detector holder)
- Compatible with all chromatography data systems and *RaPET Chromatography Software*
- Range of detectors to suit many applications
- Capable of monitoring two detectors simultaneously (Radio-HPLC mode)
- Easy system setup and maintenance

Models

MS-1000F

MiniScan TLC Radiochromatography system with single PMT FlowCount base unit and scanning stage. Variable scan speeds, collimated detector holder, analog and digital outputs.

MS-2000F

MiniScan TLC and HPLC Radiochromatography system with FlowCount dual detector unit and scanning stage. Variable scan speeds, collimated detector holder, analog and digital outputs.

MS-2000FP

MiniScan TLC and HPLC Radiochromatography system with FlowCount dual PMT base unit and scanning stage. Variable scan speeds, collimated detector holder, analog and digital outputs.

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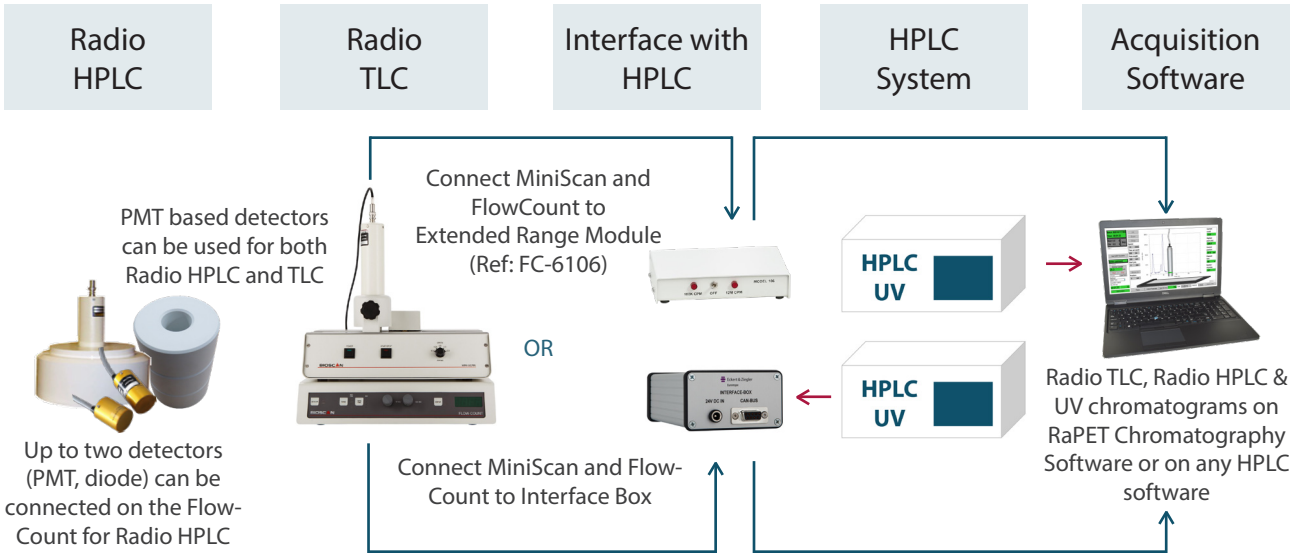
Detectors

Two types of detectors are available for the MiniScan system, a standard Na/I crystal and a plastic scintillator. These interchangeable detectors provide the system with the flexibility to measure a wide range of isotopes and activities. See the FlowCount documentation for more information about radio-HPLC detectors.

- The FC-3100 Na/I PMT based detector is a low energy gamma (10 - 60 keV) detector used primarily for ^{125}I.
- The FC-3200 Na/I PMT based detector is a high energy gamma (>60 keV) detector used in most nuclear medicine applications.
- The FC-3600 Plastic Scintillator/PMT based detector is ideal for the detection of ^{32}P, ^{90}Y and other high energy beta emitters.

Upgrade your MiniScan to a Radio-HPLC detection system

Check our FlowCount flyer for Radio-HPLC detectors, detector holders and flow cells.



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