NOKI
TECHNOLOGIES

Noki Technologies, a privately-owned family business operating through two decades in the Nuclear Medicine and Nuclear Energy. Leveraging our expertise, we bring to the fore, Advanced Measurement & Automation Instruments. Our focus on innovation and precision drives us to deliver solutions tailored to the evolving demands of our clients.

X-TLC

RADIO THIN LAYER CHROMATOGRAPHY

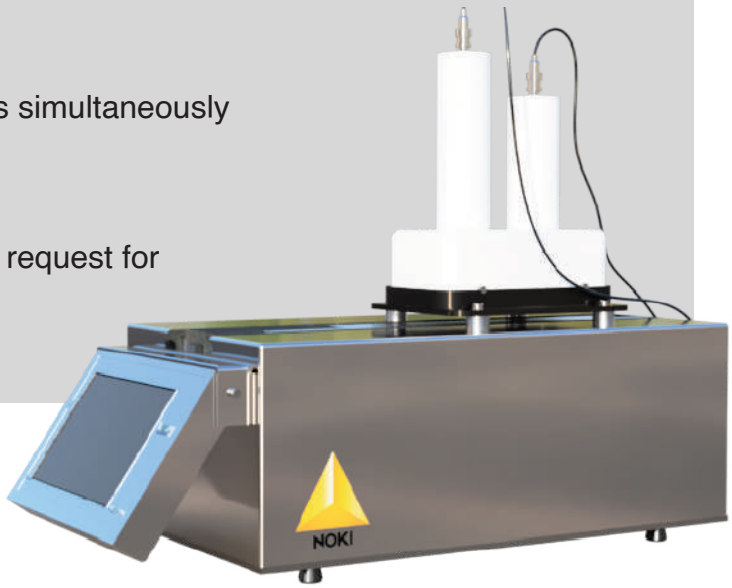
Description

The X-TLC system is designed for the identification and analysis of a wide range of radio-isotopes. Equipped with a mobile stage and adaptable detectors, it offers advanced data collection and automated reporting capabilities. The X-TLC system is specifically tailored for applications involving PET (Positron Emission Tomography) and SPECT (Single Photon Emission Computed Tomography), providing versatile detection options for gamma, beta, and positron emitters.

This radio-TLC system features user-friendly software and can be controlled via USB, ensuring ease of use. The scanner also supports various customization options for different detection activities and applications.

Key Features

- Adjustable scan speeds and easy maintenance
- Variety of detectors for precise measurement of common radioisotopes
- Ability to use up to two detectors simultaneously (PMT or PIN diode technology)
- Calibration plate available upon request for enhanced accuracy)



Detectors:

X-TLC is equipped with specially designed photomultiplier tube (PMT)-based detectors to measure gamma rays, high-energy positrons, and beta particles. The detectors provide a wide range of activity measurements while minimizing background noise through adjustable energy window settings. Options include:

OPTIONS	
FC-3100	NaI/PMT detector targets low-energy gamma (10–60 keV), primarily used for Iodine-125.
FC-3100	NaI/PMT-based Detector: Effective for detecting gamma radiation in the 60-1500 keV range. Widely used in nuclear medicine.
FC-3100	Plastic Scintillator/PMT based detector is ideal for the detection of high energy beta and positron emitters such as 32P, 90Y, 18F, 11C, 13N. (> 30 keV)
FC-3100	ZnS(Ag) Scintillator/PMT for alpha detection

Applications:

The X-TLC system is ideal for the quality control of radionuclides such as Gallium-68, Lutetium-177, Yttrium-90, Fluorine-18, Technetium-99m, and Iodine-123. It can also perform thin-layer chromatography for radiopharmaceuticals labeled with gamma, beta, and positron emitters, making it suitable for both research and quality control processes.

ENGINEER. EMPOWER. INNOVATE.

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