

MicroTrace

Advanced Gallium-68 Radio-TLC Analysis System

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Revolutionizing Gallium-68 (Ga-68) Cold Kit Quality Control with Precision and Simplicity



Background

MicroTrace represents the latest innovation in radio-TLC analysis technology, specifically engineered for the quality control of Gallium-68 (Ga-68) labeled cold kits (e.g. Locametz®, Illuccix®, etc.). This innovative imaging system combines exceptional reliability with the smallest footprint in its class, making it the perfect solution for modern radiopharmacies and laboratories looking for a fast, space-saving, and user-friendly tool for Ga-68 cold kit quality control.

Redefining Excellence in Radio-TLC Analysis

MicroTrace transforms radio-TLC analysis by focusing on what matters most: reliable results and operational simplicity. The system directly detects Ga-68 emissions with high efficiency, delivering faster analysis times without the reliability issues associated with mechanical scanning components. This means less waiting, fewer technical failures, and more confidence in your quality control process.

Compatibility Features

- Compatible with all (as of Apr. 2025) available Ga-68 cold kits (Locametz®, Illuccix®, NETSPOT®, SomaKit TOC®, Isoprotrace®)
- Standard iTLC strips
- Plastic-backed and alumina-backed TLC strips
- Full integration with Eckert & Ziegler's Ga-68 portfolio (GalliaPharm®, KitLab, and EluGen)

Intuitive Design

MicroTrace is designed to simplify and enhance routine workflows in radiopharmacies, making the quality control of Ga-68 labeled cold kits faster, safer, and more reliable. Its intuitive design allows laboratory personnel to operate the system with minimal training, reducing the risk of errors and ensuring consistent results. Fully integrated with Eckert &

Ziegler's state-of-the-art radiochromatography workflow management software RaPET-Lab, MicroTrace provides a comprehensive solution that streamlines data acquisition, evaluation, and reporting, helping users meet regulatory requirements with ease.

Performance

Key Specifications	
Dimensions	201 x 106 x 33 mm
Weight	0.7 kg
Detection efficiency	≥30% for Ga-68
Acquisition time	Typically ≤5 seconds (up to 30 seconds depending on activity concentration)
Resolution (FWHM)	≤6 mm
Count rate capability *	≥700,000 cps
Linearity *	r ² ≥0.99 up to 400,000 cps
Background *	≤2 cps
Control	RaPET-Lab Workflow Management Software (Data acquisition and evaluation)
Interface	Power / Data transfer via USB 2.0 Type-C (5 V, 500 mA, single line)
Imaging area	10 x 120 mm (strip size: 15 x 120 mm)



* per 6 mm of strip length

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Perfect for Entry-Level Users and Routine Clinical Workflows

MicroTrace is designed to meet the needs of radiopharmacies and laboratories entering the field of Ga-68 diagnostics, as cold kits like Illuccix® and Locametz® become part of routine clinical workflows. Its compact size, ease of use, and cost-effective design make it the ideal choice for facilities with limited space or resources. By integrating MicroTrace into their workflows, laboratories can perform reliable quality control with minimal training and without the need for complex or bulky equipment.

Designed for Your Needs

MicroTrace is the perfect solution for a variety of radiopharmacy and laboratory environments:

- **New to Ga-68 Diagnostics:** Ideal for facilities implementing Ga-68 cold kits, offering a simple, reliable, and efficient quality control solution.
- **Limited Space:** With its compact design (201 x 106 x 33 mm), MicroTrace fits seamlessly into space-constrained laboratories.
- **Routine Production Environments:** Optimized for the consistent and reliable quality control of Ga-68 labeled cold kits in routine production workflows.
- **Efficiency and Speed:** High sensitivity and fast performance help laboratories streamline workflows and reduce analysis times.

Reliable Support for Long-Term Performance

MicroTrace is built for durability and ease of use, offering comprehensive support to ensure consistent performance in quality control workflows. From quick setup to expert technical assistance and regular updates, MicroTrace provides the reliability and peace of mind laboratories need to focus on their work.

Support and Maintenance Made Simple

- **Effortless Setup:** MicroTrace can be set up and operational within just two hours, with no special training required.
- **Hassle-Free Maintenance:** MicroTrace is built for durability and requires minimal upkeep. For added convenience, Eckert & Ziegler offers services for these stand-alone devices, such as the Life Cycle Program. Please contact the Eckert & Ziegler service department for more information on all available service options.
- **Comprehensive Support:** Customers benefit from regular software updates, detailed documentation, and access to expert technical support to keep the device running at its best.
- **User Guidance:** While no formal training is required, installation and operation videos, along with detailed user guides, are available to help users maximize the device's potential.

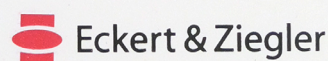


Image shows actual product size

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