



# Posi-RAM™

PET Metabolite radio-HPLC Detector

[www.lablogic.com](http://www.lablogic.com)

 **LabLogic**  
EXPERIENCE & EXPERTISE

# Unsurpassed performance for PET metabolite profiling

Designed specifically for the detection and quantification of low-level PET metabolites in the presence of higher levels of a single substance, therapeutic agent, test compound, or substrate.

Posi-RAM™ utilises two bismuth germanate (BGO) crystals mounted on matched photomultiplier tubes with a flow cell in between to achieve the highest possible sensitivity. Using fast coincidence electronics, an event is only registered when each of the detector assemblies detects an event within the coincidence resolving time.

The results are a low background and unmatched signal-to-noise ratio, enabling detection and quantification of low-level PET metabolites.

## Flexibility

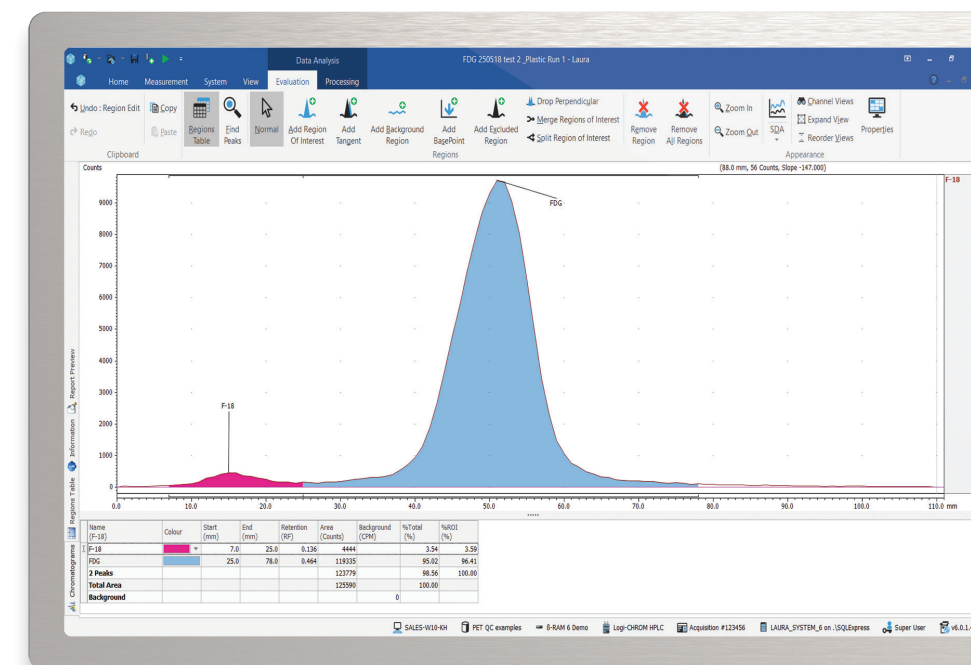
Although the primary intended use is detection and quantification of low level PET metabolites, the Posi-RAM™ has been designed with flexibility in mind. The coincidence counting circuitry can be switched off to enable gross gamma counting. Under those settings, the Posi-RAM™ can be used for radiochemical purity checks.

## Resolution and sensitivity

To achieve the desired resolution and sensitivity, a range of high performance flow cells are available for the Posi-RAM™ with fixed volumes from 5 µL to 500 µL.

## Controlled by Laura for PET

Posi-RAM™ control, digital data collection, analysis and reporting is provided by Laura for PET™, the industry standard radiochromatography data system developed by LabLogic.



F-18 PBR 0.1 3.7 kBq injected onto the column.

### Single Point Control

Laura for PET™ is the industry standard single point control and data analysis software. It supports over 350 radio-HPLC detectors, radio-TLC scanners, MCA, GC and HPLC modules from leading manufacturers.



### External Detector

The detectors are housed separately from the main electronics. This allows the detector unit to be placed in a hot cell and/or have extra lead shielding built around it for high background environments.

### Shielded Counting Chamber and Coincidence Detector Assembly

### Dimensions and Weight

Size	10" (D) x 4" (H) x 9" (W)
Detector Size	13" (D) x 6" (H) x 4" (W)
Base Unit Weight	3 lbs
Detector Weight	15 lbs

Please refer to the Technical Specification Sheet for further information

# Service and Support

Users of our systems can benefit from our comprehensive, fully inclusive service and support.

We can give reassurance that if things go wrong or you need expert advice, help is only an e-mail or phone call away.

# Validation Services

Our Validation Service enables you to implement and get maximum value from your investments as soon as possible.

We work as a partner with your Quality Manager, System Manager and users to provide a tailored Validation Plan, suited to your needs. Our Validation Specialists have years of experience in GLP system validation, detailed knowledge of our systems, together with other industry standard systems to help you meet company and regulatory requirements.

# Training

LabLogic can provide a variety of training courses and workshops to help you get the most out of your instrument and software.

All training is performed by our expert Product and Support Specialists who have many years experience in the development and use of the instruments and software.

Certificates can be provided to complement your internal GLP training records.

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