



Flow-RAM 2TM

PET/SPECT radio-HPLC Detector

www.lablogic.com

 **LabLogic**
EXPERIENCE & EXPERTISE

The innovative, flexible and compliant flow-through detector

LabLogic's PET/SPECT radio-HPLC Detector, the innovative Flow-RAM 2™, is designed to meet the ever increasing demands of the modern Radiopharmacy.

Flexibility

The Flow-RAM 2™ is available in a single or dual detector configuration. In the latter configuration, each of the detectors can be set up independently of each other and used for different applications, if required.

With a wide range of detectors suitable for both low and high levels of radioactivity, the Flow-RAM 2™ is an ideal quality control and research instrument.

Compliance

As with all LabLogic products, the Flow-RAM 2™ has been designed to meet regulatory requirements. The instrument contains only a power button and display so all detector parameters are controlled via the software method.

Used with our industry standard Laura™ software, the Flow-RAM 2™ ensures regulatory compliance via controlled access and audit-trail.

Bespoke Lead Shielding

In order to minimise background interference LabLogic provides a range of lead shielding to meet different requirements.

LAN/USB connectivity

Built-in Analogue Output

Users can take an analogue signal into any third party software.

Optimal Analogue to Digital Converter

This feature converts analogue signals from other detectors such as UV, ECD, etc., into digital for use within Laura™, bringing all signals into one place.

LED System Status

Quick ID of operational mode or error state.

Small Footprint

Measuring just 11 (D) x 16 (L) x 15 (W) cm, the Flow-RAM is an ideal instrument when lab bench space is at a premium.

Connectivity

The Flow-RAM 2™ is compatible with all commercially available HPLC systems.

New smart detectors

See overleaf for more information

New smart detectors

Temperature controlled

Detectors are equipped with Peltier temperature control for enhanced stability and consistent performance.

Cableless detectors

The Flow-RAM 2™ identifies the NEW cableless detectors and retrieves their operating parameters from LabLogic's Laura™ software, ensuring GLP compliance.

A range of detectors

Suitable for PET, SPECT and gamma emitting radionuclides across a range of radioactivity levels.

Quick change detector mechanism



Detector Options

radio-HPLC Detector Options			
Detector	Detector Type	Radioactivity Type	Commonly Used Isotopes
1" NaI(Tl)	SiPM or PMT	PET SPECT	F-18, C-11, Ga-68, Rb-82 Tc-99m, In-111
Plastic	SiPM or PMT	Beta	Lu-177, Y-90, I-131, Re-188, Re-186
0.1" NaI(Tl)	SiPM or PMT	Low Energy Gamma	I-125
Well-Type NaI(Tl)	PMT	PET or SPECT with low amounts of activity i.e. small animal imaging applications and measuring low-level impurities.	
2" NaI(Tl)	PMT	PET/High Energy Gamma	F-18, C-11, Ga-68, Rb-82, Zr-89



Dual Flow-RAM™

The Dual Flow-RAM 2™ can have up to two detectors connected to it which can be used simultaneously and independently, thus providing maximum flexibility and a two-in-one solution.



Controlled by compliant software

Flow-RAM 2™ control, data collection, analysis and reporting is provided by Laura™, the industry-standard radiochromatography data system.

Compliant

Laura™ can be installed and configured to meet the most rigorous regulatory compliance requirements. Featuring a configurable audit trail, multi level security, e-signatures and data storage into a secure database environment.

Single point of control

Rather than having several software systems, Laura™ provides a single point of control, supporting over 1,000 instruments including radio-HPLC detectors, radio-TLC scanners, gamma spectrometers, GC and HPLC modules from leading manufacturers.

Scalable

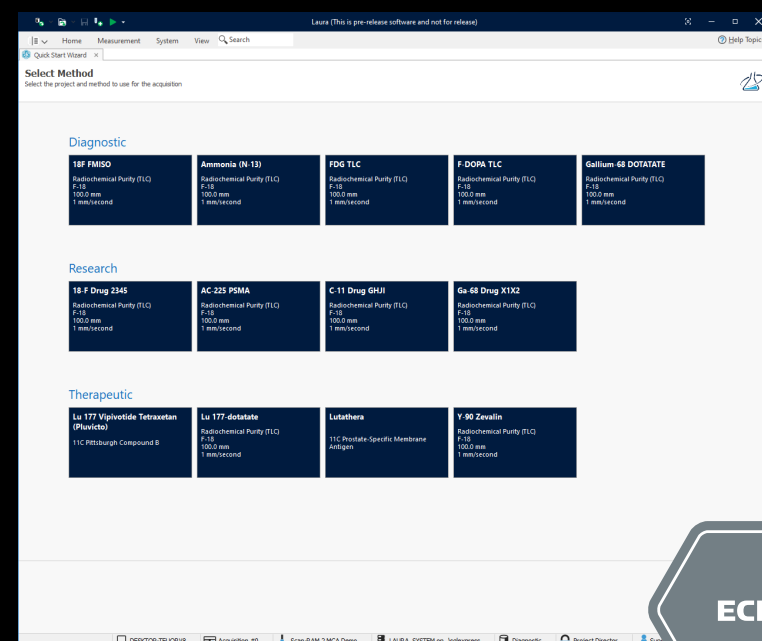
From a standalone installation to a full client server implementation, Laura™ offers a scalable solution to your data storage requirements. Application and data can be separated across local clients and central servers to match IT requirements.

Easy to use

Wizards guide users through configuring the software in a simple step-by-step approach.

For consistency of data capture and presentation users can lock the configuration of methods, reports, etc.

The **new quick start wizard** below makes completing a measurement as simple as two clicks.



Signal to Noise Calculation

Whether you work to USP or EP, Laura™ has the option to calculate signal to noise in line with both requirements.

Half-Life Correction

Automatic pass-fail criteria

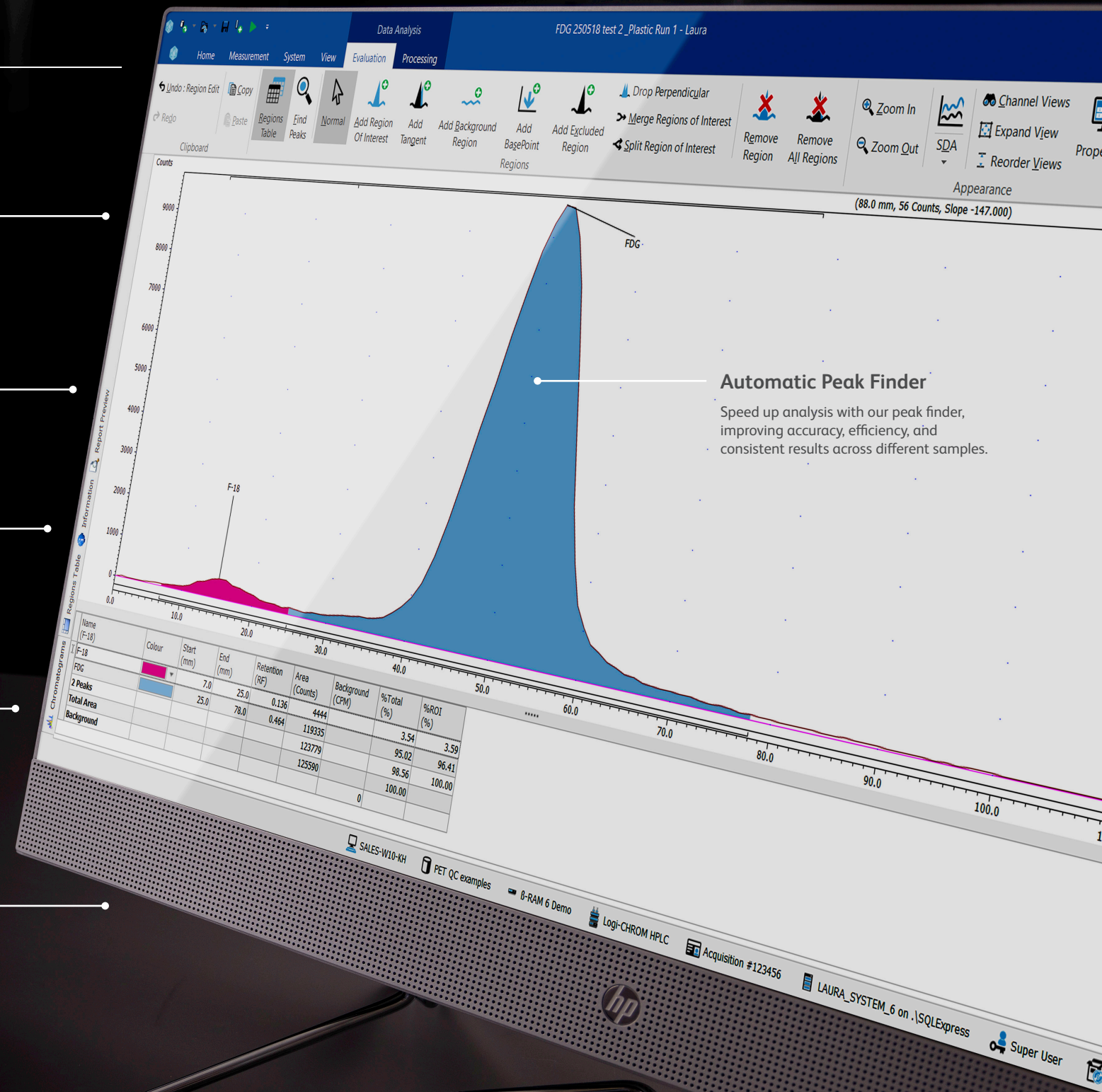
Eliminate subjectivity, save time, and trust in your results.

Digital Signal

Signals from radiochromatography instruments are reported digitally in counts, CPS, CPM, and Bq. In addition, the full dynamic range of the detector is processed avoiding limitations commonly seen with analogue signals.

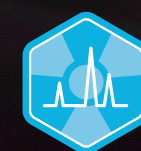
Reporting

Relevant values reported such as % total for radiochemical purity checks. The powerful Report Designer allows you to configure multiple reports and to calculate and present data in real time.



Automatic Peak Finder

Speed up analysis with our peak finder, improving accuracy, efficiency, and consistent results across different samples.



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 who have many 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.

Europe & Worldwide

LabLogic Systems Limited

Innovation House, 6 Europa View
Sheffield, S9 1XH, UK

E-mail: solutions@lablogic.com

Tel: +44 (0)114 266 7267

www.lablogic.com



Certificate No: 1535
ISO 9001

INVESTORS IN PEOPLE
We invest in people Gold

USA & Canada

LabLogic Systems, Inc.

3901 Centerview Drive, Suite B
Chantilly, VA 20151, USA

E-mail: solutions@lablogic.com

Tel: +1-703-429-4209

www.lablogic.com



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