



Scan-RAM 2™

Radio-TLC Scanner with options for
radio-HPLC and Gamma Spectrometry

www.lablogic.com

 **LabLogic**
EXPERIENCE & EXPERTISE

The most advanced radio-TLC scanner available

The Scan-RAM 2™ ensures precise and reproducible results for radiochemical purity measurements and more. Five configurations are available for a wide range of nuclear medicine applications.

This next-generation model builds upon the reliability and success of its predecessor, offering enhanced counting efficiency and a range of innovative features.

Controlled via the industry-standard radiochromatography software, Laura™, the Scan-RAM 2™ provides a flexible and compliant solution.

Scanning options for optimal results

Speed, maximum count rates and scanning time can all be easily configured.

LAN/USB-C connectivity

Adjustable interchangeable collimator

Effective contamination control

A flush, toughened glass surface is easy to clean for effective contamination control.

New compact design

Occupying less bench space, the new design enables greater flexibility and maximises the available space in your lab.

Magnetised TLC strip plate

Magnetic TLC plates for strips up to 5 x 20 cm can be accommodated on the bed which is securely placed for consistent scanning. They are easily cleaned, conveniently stored, and ideal for lowering finger exposure.

Built-in analog to digital converter

Converting signals from various HPLC detectors (UV, ECD, etc.) into digital format for integration within Laura™. All signals are consolidated into a single, unified platform.

Detector identification

LED strip changes colour to match that of the detector in use, enabling quick and easy identification.

New smart detectors

See overleaf for more information

New smart detectors

Smart detectors offer a new detection technology providing improved performance and usability compared to traditional PMT detectors.

Cableless detectors

The NEW cableless detectors are automatically detected and retrieve their operating parameters from Laura™ software, ensuring GLP compliance.

Temperature controlled

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

Quick change detector mechanism

Detector options

radio-TLC Detector Options

Detector	Detector Type	Radioactivity Type	Commonly Used Isotopes
■ 1" NaI(Tl)	SiPM or PMT	SPECT	Tc-99m, In-111
■ Plastic Scintillator	SiPM or PMT	PET High Energy Beta	F-18, C-11, Ga-68, Rb-82 Lu-177, Y-90, I-131, Re-188, Re-186
■ Alpha*	SiPM or PMT	Alpha Radioactivity (Therapy)	Ac-225, Ra-223
■ 0.1" NaI(Tl)	SiPM or PMT	Low Energy Gamma	I-125
■ BGO	SiPM or PMT	PET/SPECT	F-18, C-11, Ga-68, Rb-82, Tc-99m, In-111

*Requires a custom plastic collimator.

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

MCA Detector Options for Gamma Spectrometry

Detector	Detector Type	Radioactivity Type	Commonly Used Isotopes
■ 1" NaI(Tl) PMT	SiPM or PMT	All Gamma	All Gamma
■ BGO PMT	SiPM or PMT	All Gamma	All Gamma

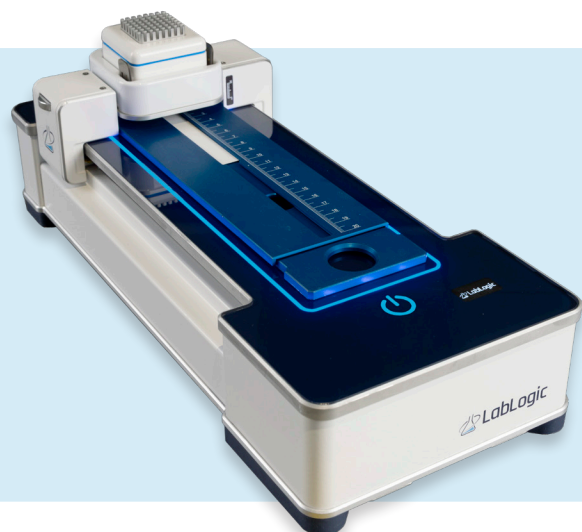


A range of configurations

In addition to a standard radio-TLC scanner, Scan-RAM 2™ is available in four other configurations that can be paired with a wide range of detectors, making it a suitable instrument for both high and low levels of radioactivity.

Scan-RAM 2™

The Scan-RAM 2™ allows accurate and reproducible results for radiochemical purity measurements in a compliant manner.



Scan-RAM 2™ Duo

The Duo simultaneously uses a 1" NaI detector for SPECT radionuclides and a Plastic PMT detector for PET and high-energy beta radionuclides to provide the best possible performance.



Scan-RAM 2™ Dual

The Dual is a combined radio-TLC scanner and radio-HPLC detector that can work either simultaneously or independently. By combining two instruments into one it has a reduced footprint.

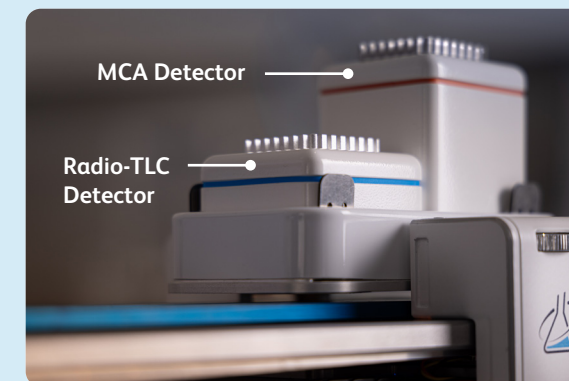
A single output option is also available.



Scan-RAM 2™ MCA

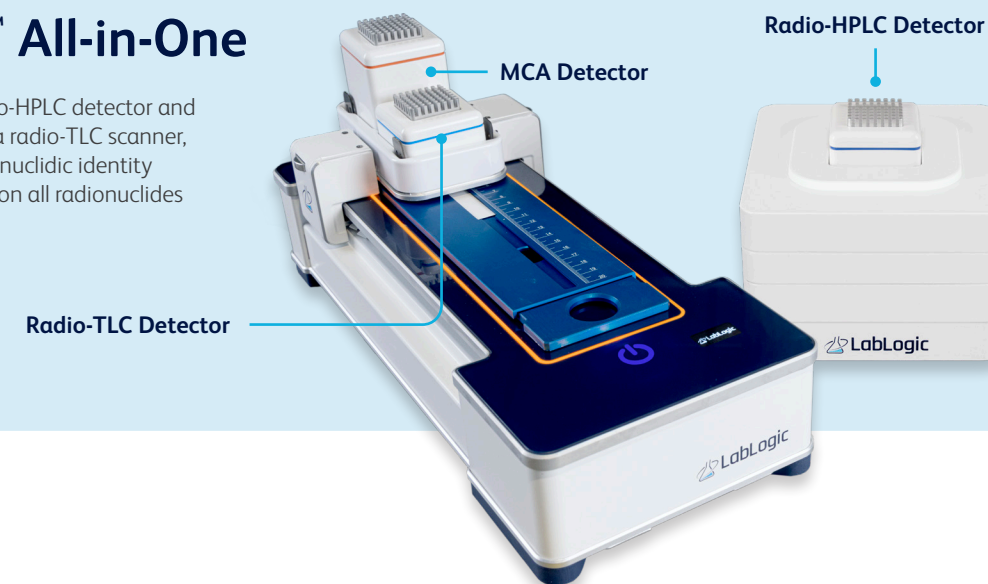
The MCA combines a gamma spectrometer and Multi-channel Analyser with a radio-TLC scanner to allow users to perform radionuclidic identity and radiochemical purity tests in one combined run.

A single detector option is also available.



Scan-RAM 2™ All-in-One

The All-in-One combines a radio-HPLC detector and a Multi-channel Analyser with a radio-TLC scanner, allowing users to perform radionuclidic identity and radiochemical purity tests on all radionuclides with high and low energies.



Model	Radio-TLC	Radio-HPLC	MCA
Scan-RAM 2™	✓ One Interchangeable Detector	X	X
Scan-RAM 2™ Duo	✓ Two Interchangeable Detectors	X	X
Scan-RAM 2™ Dual	✓ One Interchangeable Detector	✓	X
Scan-RAM 2™ MCA	✓ One Interchangeable Detector	X	✓
Scan-RAM 2™ All-in-One	✓ Two Interchangeable Detectors	✓	✓

Controlled by compliant software

Scan-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

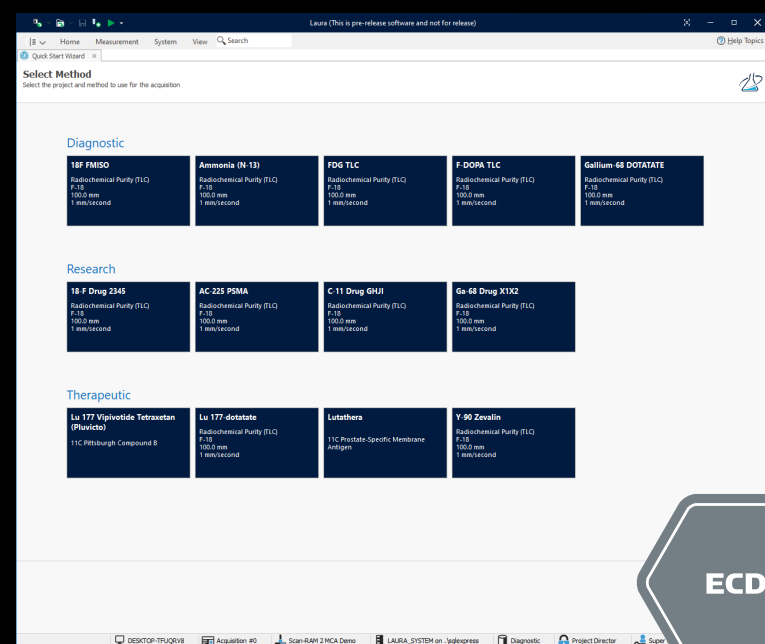
From a standalone installation to a full client server implementation, Laura™ offers a scalable solution to your data storage requirements. Application and data can be separated across local clients and central servers to match IT requirements.

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

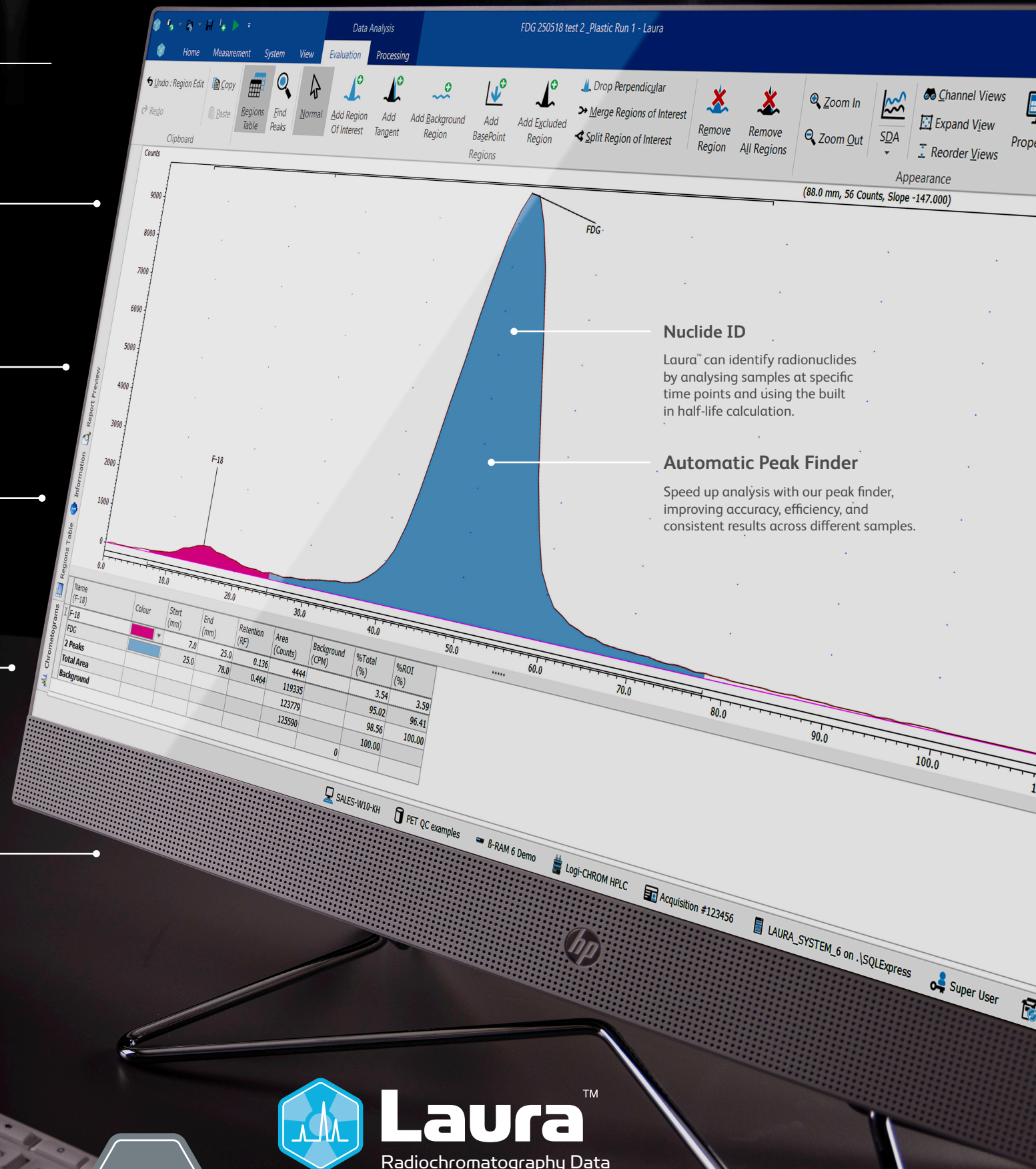
Eliminate subjectivity, save time, and trust in your results.

Digital Signal

Full dynamic range of the detector is processed avoiding limitations commonly seen with analogue signals.

Reporting

Fully configurable to meet needs of Radiochemists.



Nuclide ID

Laura™ can identify radionuclides by analysing samples at specific time points and using the built in half-life calculation.

Automatic Peak Finder

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



Laura™
Radiochromatography Data
Collection and Analysis Software

Maintaining data integrity

Data integrity is fundamental when working to GMP standards in a radiopharmacy and LabLogic's unique product offering is designed with this in mind.

Once you have acquired your Scan-RAM™ results using Laura™, LabLogic's LIMS software PETra™ and SPECTra™ allow seamless integration of these results into your batch records.

This integration between the software packages guarantees the preservation of data integrity in accordance with ALCOA principles. All essential method parameters and measurement details, including the radiochromatogram, are imported into the LIMS software, ensuring a comprehensive and reliable record of the process.



PETra™

A dedicated Laboratory Information Management System, successfully implemented in PET facilities around the world.

PETra™ is proven to improve workflow efficiency and compliance, whilst its ability to capture data directly significantly reduces transcription errors.

For multi-site organisations it can also provide an opportunity to standardise and centralise procedures.

PETra™ has a wide range of software modules including:

- Barcode Driven Inventory Management.
- Batch Planning.
- Production, including integration cyclotron and synthesis data.
- Quality Control.
- Pre/Post-Production Checks.

- Batch Reporting.
- Regulatory compliance with electronic signatures, audit trail, user management and training records.
- Quality Management system with modules for SOP, CAPA, Document Management, OOS, Change Control, Deviations.
- Trending.
- Instrument Maintenance.
- Performance checks.

Qualification Services

Many highly-regulated environments require software and instruments to be qualified on installation (IQ), operation (OQ) and performance (PQ). As focused industry specialists, LabLogic are well placed to provide these services and help you achieve compliance with regulations.

SPECTra™

A dedicated Laboratory Information Management System, flexible for different workflows seen in radiopharmacies worldwide who work with kit based and processing of finished radiopharmaceutical products.

SPECTra™ for Central Radiopharmacy

For central radiopharmacies who send either individual unit doses or multi-dose vials to their customers, SPECTra™ provides an intuitive platform to manage all data throughout the production process. Using Orla customer orders can be automatically integrated from a web page directly into SPECTra™ to improve operational workflow.

SPECTra™ for In-house Radiopharmacy

SPECTra™ can be configured for use within in-house radiopharmacies who want to integrate patient data from their RIS, create patient doses and through to administration to the patient.

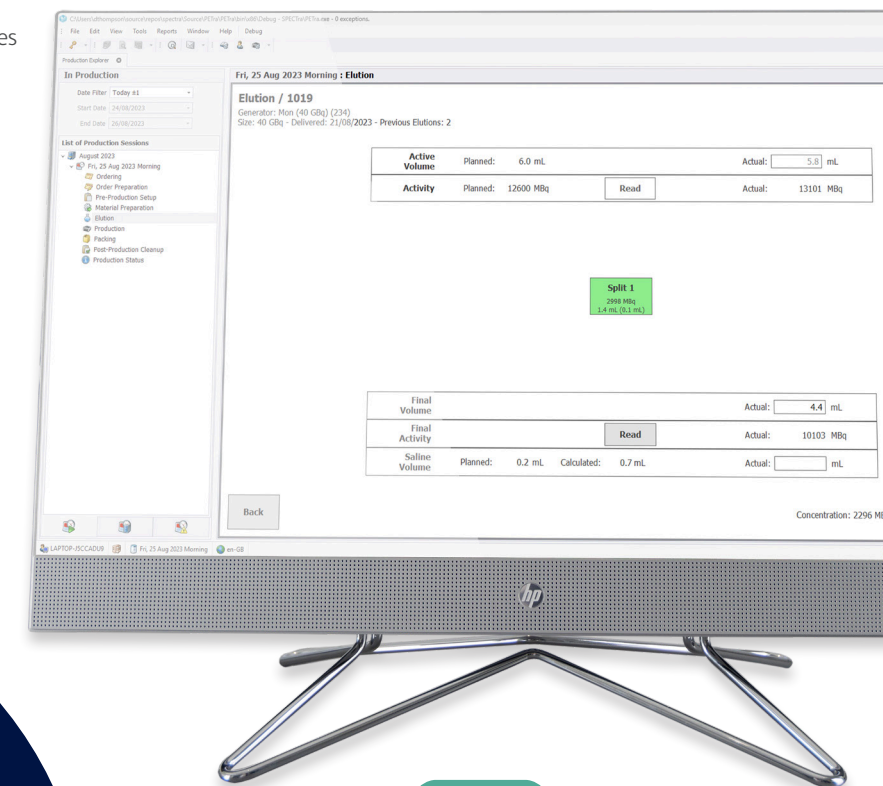
Modules

SPECTra™ shares various modules with PETra™, including:

- Barcode Driven Inventory Management.
- Pre/Post-Production Checks.
- Quality Control.
- Regulatory compliance with electronic signatures, audit trail, user management and training records.
- Quality Management System with modules for SOP, CAPA, Document Management, OOS, Change Control, Deviations.
- Trending.
- Instrument Maintenance.
- Performance checks.

Whilst having built-in workflows for production of various radiopharmaceuticals as either multi-dose vials or individual patient syringes including:

- ^{99m}Tc kit production.
- Blood labelling production.
- Other kit-based production.
- Finished radiopharmaceutical products labelling.
- Ordering via HL7.
- Ordering via Orla.
- Radiopharmaceutical.



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.

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Certificate No: 10926
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