Logi-CHROM ONE™

All-in-one radio-HPLC solution

LabLogic
EXPERIENCE & EXPERTISE

Logi-CHROM ONE™

An integrated all-in-one radio-HPLC system designed with simplicity in mind

Logi-CHROM ONE has been developed specifically for PET/SPECT quality control which requires a small footprint and simple to use solution for radiochemical purity testing.

We have used our experience and expertise in supplying radio-HPLC systems to nuclear medicine environments to develop a simple solution with a significantly reduced footprint.

We have combined the most common HPLC modules into one compact system including a Low Pressure Gradient Quaternary Pump, a UV Detector and the Flow-RAM radio detector.

Minimal footprint

Compared to a traditional HPLC system, Logi-CHROM ONE significantly reduces the bench space required for a radio-HPLC unit by 50%.

Cost effective maintenance

Ongoing maintenance costs are reduced – due to fewer parts being used – whilst retaining the same level of functionality as a traditional equivalent system.

Simple set up

Due to its simple design, Logi-CHROM ONE is much easier to set up with limited connections. A smaller, lightweight system also allows for easier changes around a facility compared to a typical HPLC tower.

Integrated into the LabLogic range

Logi-CHROM ONE is part of LabLogic's expanding range of market leading Radiopharmacy Quality Control solutions. It is fully compatible with Tracer-QC, SPECTra/PETra LIMS and is controlled by Laura for PET radiochromatography software.

45.3 cm (18")

44 cm (17")

24.3 cm (9.5")

'Plug and play'

Logi-CHROM ONE can simply be placed on a bench, plugged into the optionally supplied workstation and put to use.

System design

Quaternary Pump

Logi-CHROM ONE is supplied with a quaternary pump as standard, allowing the delivery of up to 4 solvents for maximum flexibility.

Available in stainless steel or bio-inert material (PEEK/Ceramic).

- Optimal Flow Rate Range: 0.1 - 8.0 ml/min.
- Maximum Delivery Pressure 0 - 2 ml/min.: 12500 psi/86 MPa/862 bar (stainless steel option)

UV Detector

The integrated UV detector has been chosen due to the fact that it is most commonly used cold chromatography detector.

- Wavelength Range: 190 - 500 nm

An optional Electrochemical Detector is available.

Sample Injector Options

- Manual Injector (option)
- Automated switching valve (standard)
- Autosampler (option)

Radio-HPLC Detector

The Radio-HPLC detector is based on LabLogic's proven Flow-RAM solution. End users can choose from a range of different radio-detectors to suit their particular requirement. In its standard configuration, Logi-CHROM ONE is supplied with a 1" NaI / SiPM detector and 2" lead shield.

An internal column compartment helps to create a neat and elegant solution.

Basic Specifications	
Dimensions	44 (D) x 24.3 (W) x 45.3 (H) cm
Weight	Logi-CHROM ONE Unit: 18 kg Radiodetector Lead: 46 kg

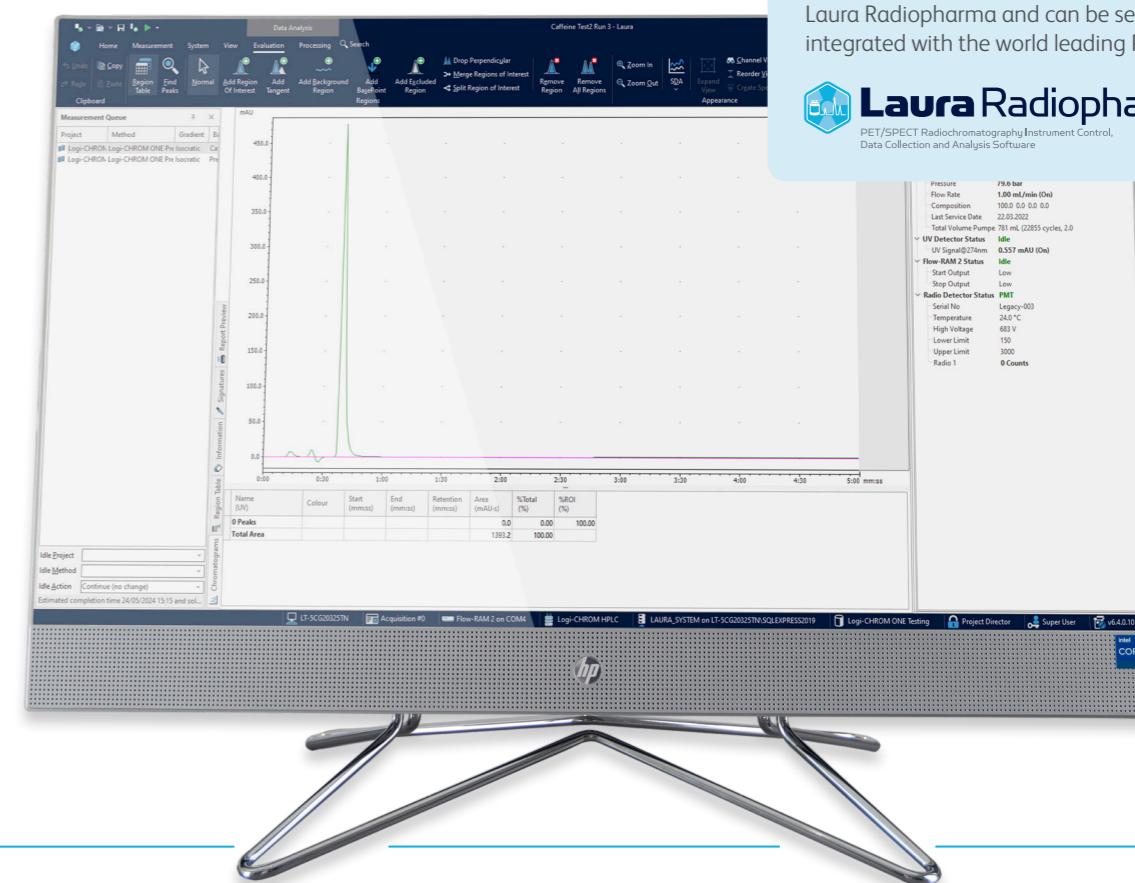| Power Requirements	
Power Supply Input	100-240 Vac, 50-60 Hz, 1.4 A
Power Supply Output	24 Vdc 5.0 A. 120 W max.
Radiodetector Power	5 V, 500 mA, 2.5 W max. (via USB)

Connectivity Requirements	
HPLC Quaternary Pump	Ethernet via supplied router
HPLC UV Detector	Ethernet via supplied router
HPLC Radiodetector	USB

For further information please refer to the Technical Specification Sheets for the following products:
Logi-CHROM Quaternary (LPG) Pump
Logi-CHROM UV Detector
Logi-CHROM Manual Injector Valve
Flow-RAM and Scan-RAM Detectors

Industry Standard Software

Logi-CHROM ONE is fully controlled by the single point of control, radiochromatography software Laura Radiopharma and can be seamlessly integrated with the world leading PET LIMS, PETra.

Laura Radiopharma™
PET/SPECT Radiochromatography Instrument Control, Data Collection and Analysis Software

LabLogic

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.

LabLogic
EXPERIENCE & EXPERTISE

THE KING'S AWARDS FOR ENTERPRISE
INTERNATIONAL TRADE
2023

Certificate No: 1535
ISO 9001

INVESTORS IN PEOPLE
We invest in people Gold

Certificate No: 10926
ISO 9001

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