Logi-CHROM ONE™

All-in-one radio-HPLC solution

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LabLogic
EXPERIENCE & EXPERTISE

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.

System design

Quaternary Pump

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

Available in stainless steel or bio-inert material.

UV Detector

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

An optional Electrochemical Detector is available.

Sample Injector Options

- Manual Injector (standard)
- Automated switching valve (option)
- 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 radiodetectors to suit their particular requirement. In its standard configuration, Logi-CHROM is supplied with a 1" NaI / PMT detector and 2" lead shield.

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

Basic Specifications

Dimensions	16" (D) x 8.5" (W) x 17" (H) 43 (D) x 22 (W) x 44 (H) cm
Weight	Logi-CHROM ONE Unit: 40 lbs (18 kg) Radiodetector Lead: 101 lbs (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
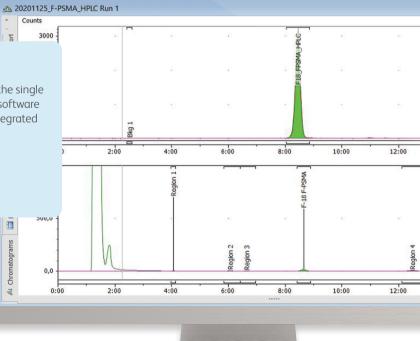Flow-RAM and Scan-RAM Detectors

Industry Standard Software

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

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

'Plug and play'

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

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.

USA & Canada

LabLogic Systems, Inc.
1911 N US HWY 301, Suite 140
Tampa, FL 33619, USA

E-mail: solutions@lablogic.com
Tel: +1-813-626-6848
Fax: +1-813-620-3708

www.lablogic.com

Europe & Worldwide

LabLogic Systems Limited
Paradigm House, 3 Melbourne Avenue
Broomhill, Sheffield, S10 2QJ, UK

E-mail: solutions@lablogic.com
Tel: +44 (0)114 266 7267
Fax: +44 (0)114 266 3944

www.lablogic.com

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