



INSTRUMENT USER INFORMATION SHEET

HPLC

General Information

Instrument: HPLC

Manufacturer: Jasco

Location:

- CRIETT – Lanzavecchia Building
- Via J.H. Dunant No. 3, Varese, Italy
- Floor 2, Room 213.0 (VA LANZAVECCHIA P2.011.0)

Instrument Manager:

- Dr. Laura CALDINELLI
E-mail: laura.caldinelli@uninsubria.it
Phone: +39 0332 42 1518

Authorized Users

Prof. Lorella Izzo

Prof. Gentiana Terova

Prof. Elena Rosini

Prof. Elena Bossi

Training Required: Yes*

* Independent use of the instrument is permitted only after successful completion of the required training. The practical training consists of an individual session, the duration of which will be determined by the instrument manager based on the user's previous experience (e.g., whether they have already worked with other HPLC systems or are using one for the first time).



Internal tickets can be viewed on the intranet page (access with university credentials): <https://intranet.uninsubria.it/areadocumenti/ticket-strumenti-criett-utenti-interni>

The fee schedule for external users can be viewed on the website:
www.uninsubria.it/criett

Acknowledgement of CRIETT Services in Scientific Publications (See CRIETT Regulations, Article 11): Users are required to acknowledge the use of CRIETT major research equipment in the acknowledgements section of any scientific publication resulting from its use, using the following statement:

"The scientific support from CRIETT Centre of the University of Insubria (instrument code: XXX) is gratefully acknowledged."

Instrument Code: EP06

Access Policy

1. Direct Access (Self-Service)

Who: Only users who have completed the required training and have been authorized by the instrument manager.

Access Procedure: Trained users may independently access and operate the instrument after booking it through the online reservation system.

Instrument Description and Features

The HPLC system consists of the following modules:

- Quaternary pump, model **PU-2089**
- **LC-NET II/ADC** interface
- Autosampler, model **AS-4050**
- Column oven, model **CO-4060**

- Three detectors:
 - Diode Array Detector (DAD), model **MD-4010**
 - Fluorescence detector, model **FP-2020**
 - Refractive Index (RI) detector, model **RI-4030**

The instrument is operated using **ChromNAV 2.0** software.

⚠ Safety Instructions

- Operate the instrument only after completing the required training.
- Use only **HPLC-grade solvents, Milli-Q water**, and buffers filtered through **0.45 µm (or smaller pore size)** filters.
- Switch off the detector lamps used at the end of each analytical run.
- After using salt-containing buffers, thoroughly flush the system with copious amounts of water.
- At the end of use, leave all solvent lines filled with **100% acetonitrile** or **100% methanol**.
- Turn off the instrument after use.
- Do not leave samples inside the autosampler or near the instrument.
- Check the solvent waste container regularly and replace it with an empty container when necessary.
- Complete the instrument usage log after every use.
- In case of doubts or instrument malfunction, contact the instrument manager/technician.



Operating Notes

- Instrument booking through the internal reservation system is mandatory.
- Self-service operation is permitted only for users authorized by the instrument manager.
- Any malfunction must be reported promptly to the instrument manager.

Materials and Consumables

Provided by CRIETT

- None.

To Be Provided by the User

- Chromatographic columns and corresponding guard columns
- HPLC-grade solvents
- Autosampler vials
- Filters with a pore size of **0.45 µm or smaller** for filtering buffers used in sample preparation and the mobile phase

