



INSTRUMENT USER SHEET

HPLC-MS

General Information

Instrument: HPLC-MS

Brand: ZQ_2000 Waters

Location:

- CRIETT – Pavilion
- Via Valleggio, 9 - Como
- Floor: 0 - Lab. PT-15 Overnight (CO.CUBO PT.011.0)

Contact: Prof.ssa Silvia GAZZOLA

E-mail: s.gazzola@uninsubria.it

Phone: 031 238 6441

List of Users:

Prof.ssa Silvia Gazzola

Training Path: Yes*

*Autonomous use of the instrument is planned. The practical part involves individual training (training the duration of which will be defined by the instrument contact person).

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

Traceability of CRIETT Performance in Scientific Journals (see CRIETT Regulations art.11): It is mandatory to mention the CRIETT Core Facility used in the acknowledgements of scientific publications, using the following formula:

“The scientific support from CRIETT centre of University of Insubria (instrument code: XXX) is greatly acknowledged”.

Instrument Code: MAC14



Access Modes

1. Direct Access (Self-Service)

- **Who:** Only users who use the instrument continuously have received specific training, and are authorized by the instrument contact person.
- **Mode:** The trained user can access and use the instrument independently by making an online reservation.

2. Occasional/Temporary User: Can access the instrument through the Contact Person or via an authorized User.

Description and Functionality

High-performance liquid chromatography (HPLC) instrument operating in reversed-phase, equipped with a dual-wavelength UV detector and interfaced with a single quadrupole Mass spectrometer via an ESI+/- source. The instrument is configured for analytical use, but features the option to operate under semi-preparative conditions while remaining interfaced with the MS.

Technical Specifications:

- Analytical/semi-preparative HPLC
- Loop: 20 μ L
- Single quadrupole Mass spectrometer
- Dual-wavelength UV-Visible detector

⚠ Safety Warnings

- Use only after completing the training path.
 - In case of doubts or anomalies, contact the technician/contact person.
 - If the MS voltage is turned on, do not touch the source.
 - If there is a need to power down the instrument entirely or any of its parts, consult the contact person first.
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Operating Notes

- Instrument reservation is mandatory through the internal management system.
 - Self-service use is allowed only for trained and registered (or authorized) users.
 - Any malfunctions must be reported promptly to CRIETT staff.
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Materials and Analysis Accessories

- **Provided by CRIETT:**
 - Standard reversed-phase solvents: MS-grade Acetonitrile, Water, Methanol, and Isopropanol
- **Provided by the User:**
 - Column
 - Injection syringe