

LC-MS

Triple Quadrupole / Ion Trap

Description

AB SCIEX QTRAP 5500 ([More details](#))

Location

Rm510A, Biotech Centre 1

Features

LC system

ExionLC AD ([More details](#))

- Binary pump with max. pressure of 1,300 bar
- Thermostatted column compartment and degasser

Ionization Modes

- TurbolonSpray (ESI) and Atmospheric-pressure chemical ionization (APCI)

Scan Types

- Q1 MS, Q3 MS, Product ion, Precursor ion, Neutral loss, MRM, EMS, EPI, ER, MS³

Scheduled MRM algorithm

- Allows the acquisition of hundreds of compounds
- Provides enough data points across the chromatographic peak to give a better peak detection and an improved reproducibility

Information Dependent Acquisition (IDA)

- Automatically runs experiments based on results obtained from previous experiments
- For example, MS survey scan to trigger EPI with library searching

Applications

- Pharma (Discovery, Development, Production)
 - DMPK, microdosing, bioavailability, metabolite ID;
- Protein Sciences
 - Proteomics, peptide quantitation/ID;
- Forensics;
- Food Testing
 - Pesticides, mycotoxins, vitamins;
- Environmental
 - Perchlorate, PPCPs;
- Clinical research

Contact

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