

METABOLOMICS
EQUIPMENTS AND SERVICES

EQUIPMENTS

Equipment	Manufacturer	Model	Self-service equipment	Equipment with technical support
LC-MS/MS, mass spectrometer (triple-quad)	SCIEX	4000 QTRAP	no	yes
LC-MS/MS, mass spectrometer (triple-quad)	SCIEX	QTRAP 6500	no	yes
LC-MS mass spectrometer (triple-TOF) coupled to Selexlon	SCIEX	TripleTOF 6600	no	yes
HPLC, with abs & fluorescence detector	Agilent	1200	yes	yes

SERVICES

Water-soluble metabolites quantification

Quantification of water-soluble metabolites in absolute (pg/mg prot) or relative (to a control condition) measures in plasma/serum, incubation media, tissues and cells. This service allows the quantification of small metabolites (< 1,500 Da) such as ATP, GTP, NADH, organic acids, amino acids, short-chain CoA, etc, by LC-MS/MS.

Lipidomics

Quantification of lipids in absolute (pg/mg prot) or relative (to a control condition) measures in plasma/serum, incubation media, tissues and cells. This service allows the quantification of several classes of lipids such as fatty acids, 2-AG, MAG & acyl-CoA, etc, by LC-MS/MS.

HPLC

Quantification of metabolites, proteins, peptides & lipids in plasma samples/serum, incubation media, tissues and cells by HPLC with standard detectors (absorbance and fluorescence modes).