

EQUIPMENTS AND SERVICES
PHARMACOKINETICS
EQUIPMENTS

Equipment	Type	Manufacturer	Model	Equipment Self-service	Equipment with service
Mass spectrometer	Hybrid Quadrupole-Orbitrap™ (Q-Orbitrap)	Thermo Scientific	Q-Exactive Plus	yes	yes
	Triple Quadrupole (QqQ)		TSQ Quantiva™		
	Triple Quadrupole (QqQ)		TSQ Quantum Ultra™		
Chromatographic system	UHPLC		Dionex Ultimate 3000 RSLC	yes	yes
	nano		Dionex Ultimate 3000 RSLCnano		
	UFLC	Shimadzu	Prominence	yes	yes
Detector	UV/VIS	Prominence			
	Fluorescence		Prominence		
Ionisation source	HESI	Thermo Scientific		yes	yes
	APCI				
	APPI				
	Nanospray				

SERVICES

Our equipment (liquid chromatography coupled to mass spectrometry) enables quantitative analysis of compounds in biological matrices. Trace and ultra-trace analysis of drugs and metabolites at attogram level sensitivity.

Qualitative and quantitative analysis of targeted and untargeted drugs, metabolites, degradation products, toxins and other molecules found in biological matrix and/or formulation with high resolution and high mass accuracy.

We offer a vast array of services personalized to the specific objectives of each research project.

Bioanalytical methods development

Bioanalytical method development in biological fluids.

Matrix: blood, plasma, serum, CSF, urine, complex matrix (organs and tissues).

Method validation

Validation of analytical methods based on the highest quality standards in the industry (ICH, FDA)

***In vitro/in vivo* metabolism**

Identification and characterization of metabolites.

Possible applications: Identification and quantification of *in vivo* metabolism, fraction S9, microsomes, hepatocytes.

Preclinical and clinical sample analysis

Possible applications: PK analysis, PD analysis (biomarkers).