



Bioanalytical Services

Non-GLP Services

Pharmacelsus offers the complete workflow for analyzing compounds and metabolites generated *in-vivo* and *in-vitro* in all biological matrices. We deliver robust and reliable data for a comprehensive range of quantitative and qualitative assays for preclinical drug discovery and other research areas.

Our bioanalytical laboratories are GLP certified since 2008 with the non-GLP bioanalytical work conducted in a GLP environment. We use state-of-the-art LC-MS/(HR)MS instrumentation and where required optimized analytical methods which allow the detection of 10 pg to 10 ng per ml amounts in biological matrices with mass resolutions up to 280,000.



Bioanalytical Services Non-GLP Services

Bioanalytical Studies

Pharmacelsus develops new methods, implement existing methods and innovatively combines assays to successfully tackle scientific challenges. We work with highly skilled staff and leading edge technologies enabling us to deliver high quality results with short timelines.

Mass Spectrometry Analysis

- LC-MS Cassette analysis for e.g. analytes (Small molecules, Therapeutic Peptides, Chemicals) and metabolites, biomarker Sets or marker Substances for Complex mixtures (e.g. Plant Extracts)
- Analysis of Biologics like Therapeutic Peptides, Small Proteins or Modified Biomolecules (e.g. Antibodies or ADC Characterisation, Peptide Mapping)
- Software-assisted metabolite/Catabolite Identification using the Compound Discoverer (Thermo) for Small molecules and the metabolite Pilot (Sciex) for Therapeutic Peptides
- Biomarker Screening (Targeted and Non-Targeted approach)

In addition to Mass Spectrometry Analysis we offer:

- ELISA
- Luminex® Immunoassays based on Luminex xMAP (Multi-Analyte Profiling)

Examples

- Quantification of Biopharmaceuticals in PK Samples (Blood, Plasma)
- Monitoring Changes of Cytokine Expression in Human Blood (up to 34 Cytokines per Sample)

Non-GLP Bioanalytics

Our Priorities:

- Delivering Innovative Solutions
- Focusing on high Quality Data Combined with Short Timelines
- Working in a GLP Environment
- Streamlining Communication with our Clients

MS Equipment

- Triple Quadrupole MS for Routine Bioanalytical Studies: High Selectivity & Robustness
- High Resolution MS (Orbitrap™ Technology) for Routine and Complex Analytical Questions: Superior Selectivity & Sensitivity (Q Exactive Plus available)
- Q-TOF MS for Biologics: Semi-Automated Workflows available