

Biomarker Excellence

Celerion combines exceptional scientific expertise with state-of-the-art technologies utilizing both ligand-binding assay (LBA) and LCMS platforms for the ability to measure all types of biomarkers. Celerion Bioanalytical Sciences has developed solutions and technologies to measure biomarkers in both discovery and regulated environments.

Clinical studies are increasingly using biomarkers for analysis of safety, lead candidate screening, and surrogate endpoints to determine the mechanism and efficacy of drugs. Bioanalysis of biomarkers is significantly different from traditional pharmacokinetic (PK) analysis.

The skilled staff at Celerion's bioanalytical laboratories is experienced in performing a wide range of sample handling and assay techniques. Credible data starts with trustworthy sample inputs:

- Whole Blood Processing (PBMCs, Serum, Plasma)
- Automated RNA/DNA Extraction, Purification, and Quantification

We provide fast, high-quality answers to all your biomarker questions, enabled by a fully automated, GLP environment for monitoring of reagents and assay performance.

Our biomarkers services include:

- Full method development, method transfer or commercial kit optimization
- Qualification or validation of target specific assays
- Three tier validation based on the "Context of Use (COU)"

Wide Variety of Technology Platforms



ELISA



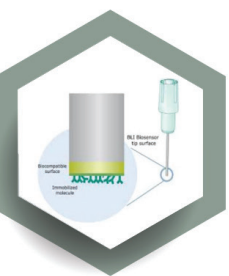
RIA



ELISPOT



UPLC



Octet



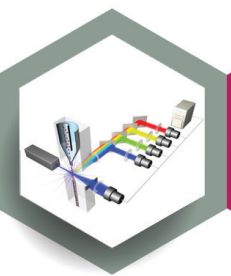
Luminex



**AB SCIEX 4000, 5000,
5500, and 6500**



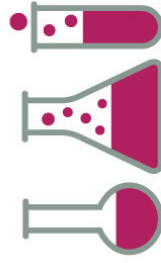
MSD-ECL



Flow Cytometry



RT-PCR



Case Study: Immuno-oncology

■ Technology
■ Assay example
■ Context

