

- Biomarker Services

Service Overview



### Biomarker Services

- LC/MS and nanoLC/MS biomarker assays
- Ligand binding biomarker assays
- Automated immunoaffinity capture technology
- Method development
- Method validation - “fit-for-purpose” and definitive quantitation
- Sample analysis

### Instrumentation

- Thermo Fisher TSQ Vantage, AB SCIEX API4000 & API5000
- Mesoscale MSD 2400
- Hamilton Star
- Advion TriVersa NanoMate
- nanoLC with 3D LC capability

### Expertise

One of the few bioanalytical laboratories successfully employing immunoaffinity techniques and 3D LC for biomarker research. Our team has the experience and knowledge to address your biomarker challenges. Expertise in development and validation of definitive quantitation addressing endogenous analytes, proteins, lipids, and small molecules.

Quantification of gemcitabine incorporation into human DNA by LC/MS/MS as a surrogate measure for target engagement

Wickremsinhe, E.R.; Lutzke, B.S.; Jones, B.R.; Schultz, G.A.; Freeman, A.B.; Pratt, S.E.; Bones, A.M.; Ackermann, B.L.

*Anal Chem.* **2010** Aug 1;82(15):6576-83.

**Advion is a premier bioanalytical services laboratory. Collaborate with Advion and expect quality, flexibility, timeliness, and a commitment to scientific excellence.**



## Why Choose Advion?



- LC/MS/MS systems: AB SCIEX 5500 QTRAP, API 5000, API 4000, & API 3000 as well as the ThermoFisher TSQ Vantage and Exactive
- 96 - well sample processing and analysis including Tomtec and Hamilton Star
- MSD 2400 electrochemiluminescence
- Watson - LIMS<sup>®</sup> data management
- Two facilities; 43,000 square foot wet laboratory, mass spectrometry, and immunochemistry facilities

World renown for scientific excellence and advanced method development capabilities, Advion is one of the world's largest LC/MS/MS contract research facilities, serving many of the largest pharmaceutical, specialty pharmaceutical and biotechnology companies.

Advion's highly-trained scientists utilize a range of AB SCIEX and ThermoFisher mass spectrometers and state-of-the-art techniques to tackle analytical challenges.

Services are customized to meet your unique sample-handling, data, and final-report specifications.

Advion has the capacity to handle large studies and the facilities to work with radioactive and infectious samples.

Sample Management Services provides centralized control and rapid analysis of samples.