

Bioanalysis

For over 25 years, the bioanalytical services group at ICON has provided analytical testing services to meet the research and development challenges of the biopharmaceutical industry.

Scientific & Operational Excellence

ICON offers a full range of bioanalytical services to deliver robust data, consistent with the highest industry standards. Operating from our GLP/ GCP compliant laboratory, we have provided bioanalytical support for over 4,500 studies for both small and large molecules. Our scientific and regulatory experts have earned a reputation for innovative method development and timely, high-quality analytical services that are customised to meet each client's specific application. We provide both standalone immunoassay and mass spectrometry services, as well as the bioanalytical component of full-service packages across all phases of development.

ICON's Bioanalytical Services

Immunoassay

- PK Assays
- Immunogenicity Assessments
- Neutralising Antibody Assays
- Biomarkers

Mass Spectrometry

- PK Assays
- Protein and Peptide Analysis
- Biomarkers

- Batch run repeat rate less than 5%
- Data timelines met >95% of the time
- Performed over 4,500 bioanalytical programs in the last 10 years
- Final QC reviewed bioanalytical data available for the sponsor within 5 days of study completion

Our Commitment to Timely & Reliable Results

We have extensive experience in the development and validation of custom assays that are highly-sensitive, reliable and accurate. Our run repeat rate is less than 5% and we can deliver fully QC-reviewed data to our sponsors within 5 days of study completion, demonstrating our commitment to superior quality and timeliness.

Flexible & Focused Client Services

As part of our customised approach, we ensure that each client gets the close attention they require, with direct access to our senior scientists to overcome the most demanding drug development challenges.

Expertise in Assay Validation

Our bioanalytical sciences group has developed over 3,000 new assays to serve our clients. In addition:

- The immunoassay services group offers ICON-proprietary assays to support the development of Biosimilars
- The mass spectrometry group offers a list of validated assays to support DDI studies, and generic drug applications



10 day median method development and validation turnaround time

Biomarker Services

We offer leading expertise in the development, “fit for purpose” validation, and analysis of primary and secondary endpoints to support our clients’ development needs. With a growing menu of biomarkers, ICON supports many therapeutic areas, using a large array of analytical platforms and technologies, including:

- Immunoassay
- LC-MS/MS
- IHC
- Chip-based & bead-based multiplexing platform

Working closely with our in-vivo clinical pharmacodynamics group, we can provide a full suite of clinical and analytical biomarker services.

Bioanalytical Instrumentation

Our experienced laboratory team operates state-of-the-art equipment, including:

- Mass Spectrometers — Sciex and Waters Systems
- MSD Sector and QuickPlex Imagers
- Gyros Gyrolab Systems
- Grifols Triturus (fully automated 96 well microplate system)
- Chemiluminescence/Fluorescence/UV/VIS Plate Readers (Spectramax M5, Spectramax L, BioTek Powerwave HT)
- Liquid Handling Systems
 - Tecan Freedom EVO 150 with Air LiHa
 - BioTek Precision
 - BioTek Plate Washers



Excellent communication & performance — resulting in >85% repeat business



Average experience of an ICON Bioanalytical Manager is 22 years



Final study reports can be available to sponsors within 20 days of study completion

Our Facilities

Our laboratory operates from a 48,000 sq. ft. facility in Whitesboro, New York — a short distance from Hancock International Airport in Syracuse.

For more information
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