

Laboratory Services



Analytical Science

▪ Strategic Method Development

End-to-end analytical development for assay, purity, and impurity profiling, ensuring robust in-process controls from day one.

▪ Complex Analyte Specialists

Proven expertise in the characterization and troubleshooting of challenging molecules and intricate chemical matrices.

▪ Method Remediation & Optimization

Modernizing legacy methods to meet current standards and ensuring analytical methods are "fit-for-purpose" before GMP validation.

▪ Analytical Quality by Design (AQbD)

Robust analytical data support for design space definition, utilizing statistical models to ensure method robustness and reliability, aligned with ICH Q14.

▪ Pre-Validation & Transfer Readiness

Method development aligned with ICH Q2(R2) principles to ensure a seamless future transfer to GMP environments.

▪ Forced Degradation & Stability

Comprehensive stress testing and ICH Q1A stability studies across all global climatic zones for R&D purposes.

▪ Accelerated Oxidation Studies

Specialized forced degradation protocols to identify oxidative susceptibility and optimize antioxidant selection and packaging strategies.

▪ Predictive Stability & Shelf-Life Modeling

Accelerated Predictive Stability (APS): Utilizing high-stress, short-term data to accurately predict long-term stability and shelf-life, significantly shortening development timelines.

▪ UV-Vis Spectrophotometry & Plate-Based Analytics

High-sensitivity quantification and kinetic profiling with spectrophotometer and well plate reader capabilities to accelerate assay development.

▪ Dissolution Testing

Robust method development and profiling in biorelevant media to characterize drug release, support specification setting, and strengthen regulatory submissions.