



Analytical Services for mAb, ADC, and Protein drugs

Analytical and bioanalytical methods are crucial in the development of monoclonal antibodies (mAb), antibody-drug conjugates (ADC), and other protein drugs. From early-stage discovery and preclinical testing to clinical trials and CMC (Chemistry, Manufacturing, and Controls) support, robust analytical methodologies ensure the safety, efficacy, and quality of therapeutics. Their role is indispensable in advancing innovative therapies and bringing life-saving treatments to patients.

Our Expertise

We are dedicated to accelerating your biologic drug development process and ensuring the safety, efficacy, and quality of your therapeutic candidates. Our expertise spans genomics, proteomics, microbial analysis, and immunoassays, supporting a wide range of biologics, including monoclonal antibodies (mAbs), Antibody-drug conjugates, protein drugs, and other therapeutic proteins. Explore our detailed service offerings below, categorized into preclinical studies, clinical studies, and Chemistry, Manufacturing, and Controls (CMC).

Analytical Support through ALL Stages of Product Lifecycle

Phase	Technologies	Applications
Development	qPCR, ddPCR, Sanger Sequencing, NGS, Flow Cytometry, ELISA, MSD, LC/MS/MS, Western Blot, Cell-Based Assays	<ul style="list-style-type: none"> Cell line development support Clone selection/screening Genetic stability testing Growth kinetics analysis mAb /Protein Expression and Characterization
Preclinical Studies	qPCR, ddPCR, Flow Cytometry, ELISA, MSD, LC/MS/MS	<ul style="list-style-type: none"> Preclinical PK/PD studies Immunogenicity studies Biomarker analysis In vitro efficacy studies Cytokine release assays

Analytical Support through ALL Stages of Product Lifecycle

Phase	Technologies	Applications
Clinical Studies	qPCR, ddPCR, Sanger, NGS, Flow Cytometry, ELISA, MSD, LC/MS/MS	<ul style="list-style-type: none"> • Clinical PK/PD studies • Patient stratification • Immunogenicity testing • Biomarker validation • Companion diagnostics development • Cytokine release assays
CMC Support	qPCR, ddPCR, Sanger, NGS, Flow Cytometry, ELISA, MSD, LC/MS/MS	<ul style="list-style-type: none"> • Identity assays • Stability Testing • Potency Assays • Batch consistency • Product characterization • Impurity profiling • Compendial assays