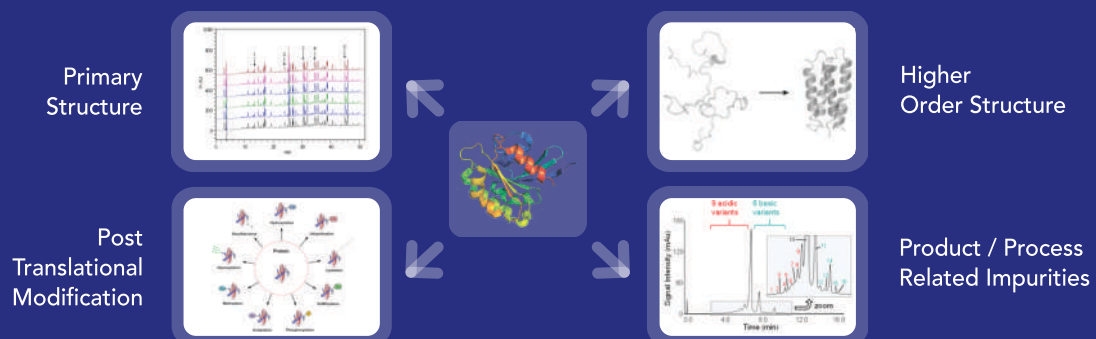


Physiochemical Characterization

Backed by our strong protein chemistry background, we enable “**Finger-Print**” protein structure and functional characterization for proteins from naked proteins to hyperglycosylated or derivatized proteins.

Starting from primary protein structure confirmation and amino acid content to various post translational modifications and higher order structural analysis. Quantifying free cysteines to product impurities such as glycation and deamidation etc.

The ability is based on a diverse platform of instruments and technologies supported by a highly trained and experienced technical team of professionals.





Physiochemical Characterization

Why us

21 CFR part 11 and GAMP compliant system-based labs

A comprehensive instrumentation infrastructure to support orthogonal confirmation of product parameters

Experience across diverse protein expression systems

In-house capability across the value chain with a trained scientific staff

What we do

Primary Structure

Intact Mass | Fragmented mass | Pep map

Higher Order Structure

Secondary and Tertiary Structure | Melting Point | Disulfide Linkage | Free Thiol

Post Translational Modification

Oligosaccharide Profiling | Oxidation | Deamidation | Cleavage

Product / Process Related Impurities

Quantification and characterization of Size, Charge, Chemical modifications, HCP, HCD and other impurities

Technology

Mass Spectrometry | HPLC | UPLC | Spectroscopy | Circular Dichroism | Fluorometry | DSC | DLS | SEC MALS | CEIEF | CESDS | Ion Chromatography | Solo VpE

Protein

mAb | Fab | Fusion Protein | Cytokine | Enzyme | Hormone | Hyperglycosylated Proteins | Derivatized Proteins

4000 SqMt. of R&D Lab Space



ALCOA+ Driven Quality Systems



200+ Research Scientist



Digital Infrastructure Supported



ELN | Proprietary Analytics Platform

