



anaRIC biologics

Analytical solutions readily delivered

Our experience

- Proteins
- Peptides
- Monoclonal antibodies
- Antibody-drug conjugates
- Biosimilars - biobetters - biosuperiors
- Vaccines
- Oligonucleotides

Our solutions

- Method development
- Method validation
- Product identification
- Product characterization
- Release
- Stability
- Comparability
- Consultancy

Our technologies

- Liquid chromatography
- Capillary electrophoresis
- Mass spectrometry
- Flow imaging analysis
- Viscosimetry
- Photostability
- Gas chromatography
- Spectrophotometry
- Light obscuration
- Tunable resistive pulse sensing
- qPCR
- Gel electrophoresis
- Chip electrophoresis
- Laser diffraction
- Dynamic light scattering
- Karl Fischer titration
- Flow cytometry





Our testing capabilities

Identity

- Amino acid composition & sequencing
- N- & C-terminal sequencing
- Molecular weight determination & peptide mapping

Purity (product related)

- Size distribution
- Hydrophobicity
- Isoform pattern - charge variants
- Drug-to-antibody ratio (DAR)

Impurity (product related)

- Degradation
- Physical modifications
- Chemical modifications

Impurity (process related)

- Host-derived
- Culture-derived
- Downstream-derived

Quantity

- Amino acid analysis
- Total protein content
- Protein content in complex matrices
(e.g. culture media & biofluids)

Potency

- Immunoassays
- Enzymatic assays
- Cell-based assays

Pharmacopoeia quality

- Appearance
- pH
- Osmolality
- Particulate matter
- Moisture content
- Sterility

Characterization

- Viscosity
- Disulphide bridges & free cysteines/thiols
- N- & O-glycosylation
- Immunochemical analysis
- Higher order structure
- Particulate matter (extended)
- Solubility