

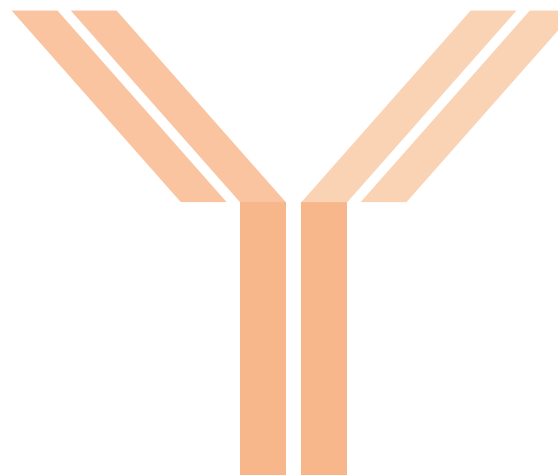
# Biopharmaceutical R&D Support

## Structure

Amino acid sequence  
*N*- and *O*-Glycosylation  
Molecular weight  
Aggregation

## Function

Binding affinity  
Biosimilar comparisons  
Potential allergenicity  
Localisation



## Production

Optimisation of expression  
Lab to pilot-scale fermentation  
Purification protocols  
Sequence analysis

Integrated and technologies to drive forward your R&D  
Standard analysis packages, project-specific studies, funded partnerships



# Biopharmaceutical Characterisation

## Standard Characterisation Package \*

Protein concentration

UV spectrum

SDS-Page profile

Native gel electrophoresis profile

Protein identity confirmation by mass spectrometry

Report and recommendations

## Additional Characterisation Options

Solution molecular weight and aggregation status by SEC-MALLS and/or AUC

Intact protein molecular weight by mass spectrometry

Protein purity by HPLC

Secondary structure estimation by CD

Glycosylation by LC-MS

Binding affinity (e.g. SPR, ITC) Flow cytometry

Localisation by high end microscopy and cytometry

\* £990 per sample (excluding VAT) with discounts for batches of similar samples

## Contact

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## More information

[www.york.ac.uk/biology/tf](http://www.york.ac.uk/biology/tf)