

# **Bioanalytical Services**

Unilabs York Bioanalytical Solutions offer complete bioanalytical support for the entire development process from discovery through to post marketing trials, for small molecule candidates.



We provide a full method development or transfer service including method validation, with study plans designed to satisfy the latest regulatory guidelines.

- We have the instrumentation and capacity to comfortably accommodate your largescale sample analysis studies
- We routinely support fast turnaround (e.g. first into man) studies
- We support both preclinical and clinical development
- We dedicate a percentage of our schedule specifically to carrying out smaller studies, and we recognise the importance of all of our clients, large and small
- We operate a one study per instrument scheduling policy for LC-MS/MS systems, to optimise instrument performance and method reliability

## Our range of state-of-the-art instrumentation includes:

- MDS Sciex<sup>™</sup> API 4000 and 5000 LC-MS/MS
- Waters Xevo™ TQ-S LC-MS/MS
- Waters Acquity UPLC®
- Shimadzu Nexera UHPLC
- Spark-Holland Symbiosis<sup>™</sup> Pharma
- Cohesive TurboFlow<sup>™</sup> HTLC systems
- Hamilton MicroLab Star Liquid Handling Workstation

Whilst we have a list of validated methods, we recognise that our clients require their methods tailored to specific concentrations in specific indications. Thanks to the expertise available, we can provide tailored methods validated on a zero or low cost basis.

#### We make a difference to the development of new medicines

We are Europe's leading independent bioanalytical CRO and offer:

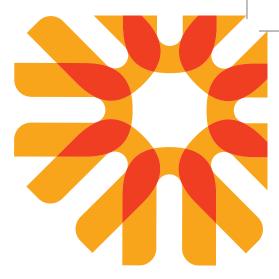
- Experienced, proactive and responsive scientists
- A dedicated SD who is in control of all stages of the process
- All scientists within their teams qualified to at least degree level
- Flexible scheduling to meet your timelines
- High ratio of QA to operational staff, enabling fast reporting of audited data

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## **Bioanalytical Services**

Unilabs York Bioanalytical Solutions offer complete bioanalytical support for the entire development process for therapeutic biological entities, using the most appropriate techniques.



We can offer development of immunoassay based methods, as well as expert advice on the selection of appropriate biomarkers for specific therapeutic areas. The fully air-conditioned, temperature-controlled, immunoassay laboratories at York and Copenhagen are equipped with the latest robotic liquid handling and microwell plate reader technology.

#### We offer a range of high speed detection techniques for both hapten and macro molecules including:

- ELISA: Immunometric & competitive formats
- RIA (<sup>3</sup>H and <sup>125</sup>I labelled tracers)
- Electrochemiluminescence (MSD)
- Fluorimetric (including Gyros)
- Luminometric
- Multiplexed assays (MSD)
- LC-MS/MS

As with all areas of analysis, we are committed to being able to offer our sponsors the best methodology and detection systems currently available. To this end we are able to offer feasibility testing to determine the most appropriate detection technique for the molecule of interest, be that electrochemiluminescence utilising MSD technology, fluorescence detection utilising the Gyros GyroLab microfluidic system or chromatography based mass spectrometric detection.



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