



Applied  
Research  
and Analytical  
Services for  
Industry



# What We Do

QIB Extra Ltd provides a high quality strategic and applied research service to small and medium-sized companies as well as large multi-nationals in the food, diet and health and allied sectors. It is a wholly-owned subsidiary of the Quadram Institute Bioscience (QIB) with its headquarters at the Norwich Research Park (NRP).

**With expertise in:**

- Microbiology
- Analysis of Food Bioactives
- Model Intestinal Systems
- Authenticity
- Rheological Investigations

QIB Extra Ltd will undertake bespoke applied food research, trouble-shooting and specialist analysis making QIB's expertise available and affordable to all companies. We can also provide access to world-leading experts on a consultancy basis.

We have our own laboratories, a dedicated management team and staff but can also call on the full range of expertise and resources of the Quadram Institute and NRP.

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## Microbiology

**QIB Extra offers a rapid, confidential and cost-effective way to address your microbiological needs. Recently, our microbiologists have used their expertise to help customers:**

- Improve the shelf life of foods
- Develop new processes and ingredients
- Understand the microbiology of complex non-food products

Working with the most modern facilities and equipment and with the backup of experts at the Quadram Institute Bioscience we offer a wide range of microbiological services. These include consultancies, routine microbiological analysis, troubleshooting, shelf life testing and applied research projects.

Our customers include small and large companies from both the food and non-food arena. We aim for a fast response to all queries, and will offer a fully costed written proposal before work begins.

## Analysis of Food Bioactives

**Food bioactives, particularly plant-based bioactives, are the focus of intense research with regards to their beneficial health properties.**

**Using the expertise of the QIB we are able to offer industry the following services:**

- Determine the levels of bioactives, such as polyphenols and anthocyanins, in raw materials such as fruit and vegetables
- Study the uptake and absorption of bioactives in human serum
- Determine the presence of potential bioactives in new food materials
- Aid in determination of biomarkers with regards to health claims
- Interpretation of the bioactive database eBASIS

Projects range from short-term analyses to determine levels in products to longer term projects elucidating the absorption of bioactives in humans.



# Food Quality

QIB Extra can help you in all aspects of food quality, including;

- Texture Analysis
- Consistent Food Products
- Shelf Life
- Food Quality Services
- Rheology & Structure
- Food Processing Method Development
- Training

# NCYC

NCYC provides a full service for identifying yeasts using either standard chemotaxonomic analysis for full physiological profiling, or DNA sequencing for rapid species identification.

[ncyc.co.uk/services](http://ncyc.co.uk/services)

# Other Services

## ■ Analytical Services Including

- Mass Spectrometry
- Microscopy

## ■ Experimental Design and Statistical Analysis

- Descriptive Statistical Analysis
- Planning and Conducting Experiments and Interpreting Statistical Analyses
- Help with Surveys – Design and Analysis of Questionnaires
- Sample Size and Power Calculations
- Advanced Statistical Modelling – Including Data Mining Techniques

## ■ Authenticity

- Detecting Fraudulent Substitution of Beef with other Animal Species
- Profiling Fatty Acids in Edible Oils
- Compositional Analysis of Complex Food Products

The measurement technique we are using for authenticity services is benchtop NMR, conducted using the new Pulsar instrument, designed by one of the world's leading specialists in magnet technologies, Oxford Instruments. This provides a rapid profile of the triglycerides in these samples and provides quantitative information on the contents of the different fatty acids present. These values can be used to provide labelling information, or to verify species.



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For further information visit  
our website [qibextra.co.uk](http://qibextra.co.uk)