

Enhanced Capabilities for Analysis of Controlled Release Systems

As products get more sophisticated and requirements from end-users more demanding, the technologies to manufacture and monitor new products need to develop as well.

Measurement Science Group (MSG) continues to be at the forefront of development of analytical expertise and capability in support of the controlled release industries i.e.

- Pharmaceutical and veterinary drug delivery
- Medical devices
- Agrochemicals
- Encapsulation
- Food and flavourings
- Perfumes.

Our approach to give you greater understanding of your products is:

Listen to your needs

Choose the best analytical techniques that will yield relevant information (over 60 in-house to choose from)

Apply our knowledge and interpretation expertise to the information gained

Report and offer advice and recommendations

Recent improvements in imaging capability

'Seeing' the structure of a product or location of a particular species is one key way to understand mode of operation.

With three new instruments in MSG we can 'see' better than ever before.

If there is any interest in the above capabilities, please address your enquiries to Drs Allan Stewart or Isla Mathieson on:

Telephone: (44) (0)1642-435788 or Email mengenquiry@intertek.com

Intertek MSG, The Wilton Centre, Redcar, TS10 4RF

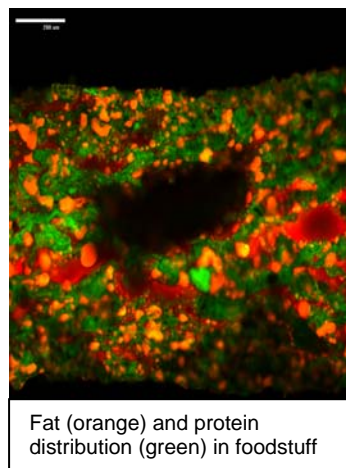
Global imaging FTIR

Imaging changes as they happen

An ordinary single-point microscope can get a single spectrum at a time – useful, but our new Stingray™ machine can get an amazing 16, 836 spectra in just one shot, taking a few seconds. This allows analysis of spatially-complex materials and the ability to track changes with time. This makes it a benefit to the study of distributions and release of drugs or other chemicals to desired regions in a product.

Confocal microscopy

3D imaging without sectioning



Confocal Laser Scanning Microscopy overcomes the limitations of ordinary light microscopy in terms of resolution, depth of focus and removing the need to section. In this way the components in samples such as living tissue and foodstuffs can be imaged with confidence.

Bismuth source for ToFSIMS

Unambiguous molecular ion images on surfaces

Previously undetectable species in ultra thin layers or at low concentration on surfaces are more readily observed with our enhanced molecular imaging. Typical applications include the analysis of the distribution of treatments on fibre surfaces, studies of the distribution of active species in drug delivery systems, analysis of coatings, treatments on particle surfaces and analysis of foodstuffs, tissue and biomaterials.

Characterised by Expertise

www.measurementscience.co.uk
www.intertek-cb.com