

Molecular Diagnostics

Welcome to Eurofins Agrosience Services

We are a leading provider of product development consultancy and technical support to the crop protection industry. Our technical activities involve conducting field and laboratory studies to determine the safety and efficacy of new agrochemicals and crop varieties. With over 30 years of experience, Eurofins Agrosience Services offers outstanding technical knowledge and project management skills. By acquiring a carefully selected range of CRO's, we have created a unique portfolio of expertise that provides analytical, regulatory and field support to plant breeders, agrochemical, biopesticide, biocide and fine chemical manufacturers.

Molecular Diagnostics

The Molecular Diagnostics team at Eurofins Agrosience Services, Wilson, UK can offer a range of plant and crop diagnostic services for the detection of pests and diseases. The Molecular Diagnostics team have a wealth of experience in real-time PCR and ELISA analysis as well as method development working with a wide range of plant/crop material. After the completion of a new dedicated soil extraction laboratory together with the suite of existing labs, the team are able to offer an increasing number of diagnostic tests for detection of pests and diseases.



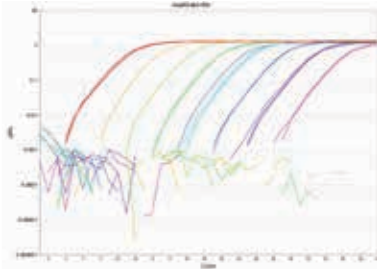
GM Services

We are able to offer quantification of transgenic proteins in GM plant tissues (ELISA) or detection of a transgenic DNA (PCR). This can be conducted to GLP standards.

If the test you require is not currently available the team is also able to offer method development and validation for both ELISA and PCR based tests.

Potato Cyst Nematodes

We now offer a fully quantitative test for PCN using a DNA based technology called real-time PCR. The real-time PCR test for potato cyst nematodes (PCN) can not only identify if *Globodera pallida* and/or *G. rostochiensis* cysts are present in the soil but will also give a quantitative result. The method is highly sensitive and can detect down to single juveniles.



Future Services

Free Living Nematodes

In the coming months we plan to launch a real-time PCR test for the identification and quantification of other parasitic nematodes.

Viral, Bacterial and Fungal Plant Pathogens

We also routinely perform viral testing by ELISA such as Barley Yellow Dwarf Virus and potato viruses. In addition we can test for a range of other viruses, bacteria, fungi and pests so please enquire.

- Examples:
 - *Erwinia*
 - *Botrytis*
 - Potato Viruses Y, X, A, S, M, V
 - Potato Leaf Roll Virus
 - Tomato Black Ring Virus
 - Potato Mop Top Virus
 - Tobacco Rattle Virus
 - Barley Yellow Dwarf Virus

Eurofins Scientific Group

Eurofins Scientific is a life sciences company that serves a wide range of industries including the pharmaceutical, agricultural, food and environmental sectors.

Today the Eurofins Group is a leading provider of analytical services.

Eurofins Agrosience Services Group

molecularagnostics@eurofins.com
www.eurofins.com/agrosienceservices

