

Clubroot diagnostics test

Clubroot is a soil-borne fungus caused by *Plasmodiophora brassicae*

It can have a devastating economic impact on vegetable crops. In particular *P.brassicae* affects brassica crops such as cabbages, OSR, and Brussel sprouts. The fungus causes root swelling, distortion and leads to severely stunted growth of the crop. The fungus can be found worldwide, in all temperature zones and can persist in the ground for 20 years.

The Clubroot diagnostics test has been developed to quantify resting spores directly from soil by extraction and analysis of DNA.

This new molecular test established by AHDB is highly specific and fully quantitative. The results are reported as spores per gram of soil and give an indication of the likely infection level and risk category. This method is rapid in comparison to the tradition bait method, with a turnaround time of 10 days.

For enquiries, including pricing, please email moleculardiagnosics@eurofins.com

Approximately 800g of soil is required for each test and soil can be shipped at ambient to the laboratory.



Example of galls on a collection of OSR roots

