

Ralstonia solanacearum

field diagnosis



Ralstonia solanacearum is a bacterium which can cause major losses in many crops. The highly infectious pathogen is a quarantine organism in the EU.

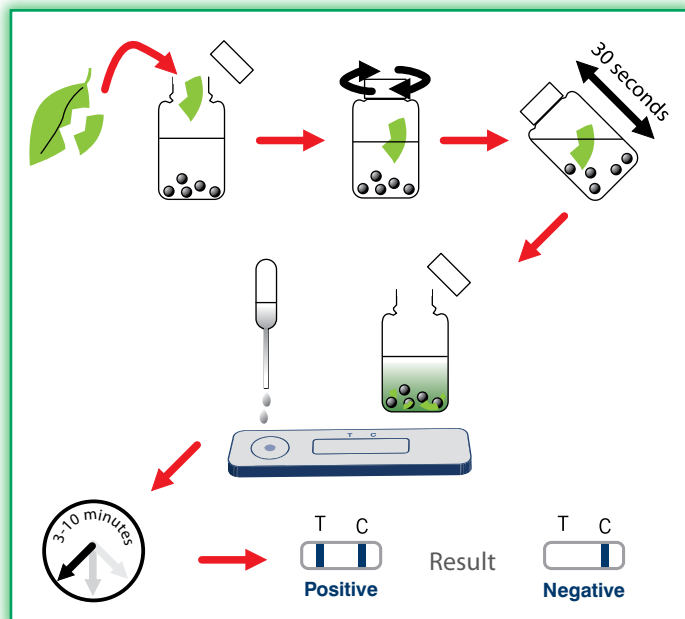
- **Common name:** bacterial wilt.
- **Symptoms:** wilting and browning, with presence of ooze in severe cases.
- **Host range:** wide, including solanaceous plants (for example, potato, tomato) and *Pelargonium*.
- **Test format:** lateral flow test based on a monoclonal antibody to *R. solanacearum*.

Designed for on-site use

Pocket Diagnostic kits put disease diagnosis in the hands of growers, consultants and inspectors. The *Ralstonia* test is simple to use, sensitive and specific to *R. solanacearum*. At least 13 different biovars of *R. solanacearum* produce positive results with the test strip.

Sampling and testing can be carried out in a few minutes in the field or glasshouse. Pocket Diagnostic kits use a unique 'ball and bottle' extraction method which optimises separation of the pathogen from the plant tissues in no more than 60 seconds.

Results appear in the viewing window of the test device approximately 5 minutes after starting the test. The result is easy to read, allowing the user to make simple 'yes/no' interpretation.



Storage and shelf life

Pocket Diagnostic kits should be stored at room temperature (up to 40°C). Tests are supplied with at least a 9 month shelf life.

Quality standards

Pocket Diagnostic tests are manufactured under conditions which meet ISO9001 quality standards. Production and packaging are carried out in environmentally-controlled facilities, using the latest in automated manufacturing equipment.

Test kit packs

Ralstonia tests are supplied in boxes of four. Each box contains 4 test devices, 4 extraction bottles, 4 pipettes and full instructions. Test devices are individually foil packaged, ensuring that quality of unused tests is not compromised. Pocket Diagnostic kits contain everything necessary to carry out testing.

Use of the *Ralstonia* test

The *Ralstonia solanacearum* kit has been used extensively for the detection of the pathogen in potato and pelargonium crops. Testing is usually carried out on symptomatic plants where *Ralstonia* is suspected. Both routine monitoring and statutory testing can be carried out using the test kit.

Samples for testing can be taken from any part of the plant, at any stage during the production cycle.

Further information and ordering

For more information about the full range of Pocket Diagnostic kits, including prices, please visit www.pocketdiagnostic.com or contact us via +44 (0)1904 462600 or pocketdiagnostic@forsitediagnostics.com

Pocket Diagnostic kits can be ordered online via www.pocketdiagnostic.com or are available through our international network of distributors (full details on our website).

Visit www.pocketdiagnostic.com for more information

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