

Impatiens necrotic spot virus

field diagnosis



Impatiens necrotic spot virus is an increasingly common virus frequently affecting ornamental crops and vegetables.

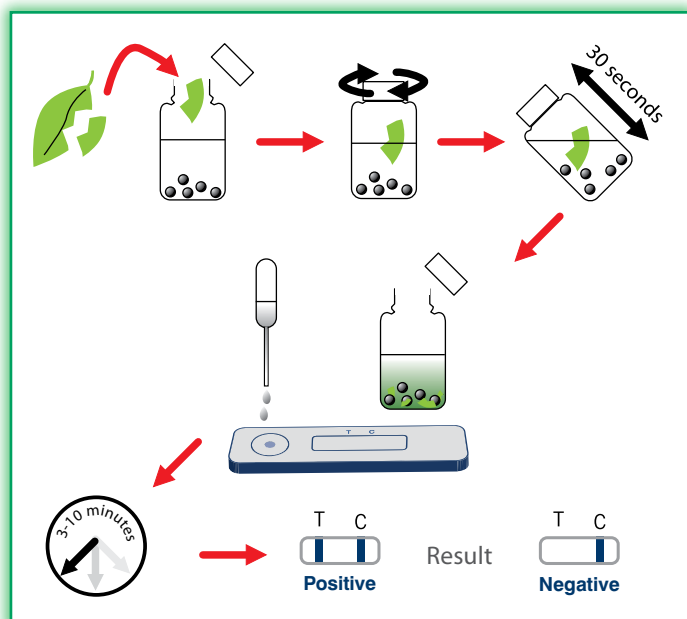
- **Common name:** INSV
- **Symptoms:** diverse and not easily identifiable, can include stunting, ringspots, brown to purple spots on leaves or stems, chlorosis and necrosis. Symptoms of INSV can easily be confused with symptoms of diseases caused by other viruses, fungi, bacteria or nutritional disorders. The pathogen is mainly transmitted by the western flower thrips. Larvae become contaminated after feeding on infected plants for as briefly as 30 minutes, subsequently transmitting the virus for the rest of their lives.
- **Host range:** more than 300 plant species including *Begonia*, *Impatiens*, *Viola*, *Cyclamen*, *Petunia* and *Primula*.
- **Test format:** lateral flow test in plastic cassette.

Designed for on-site use

All Pocket Diagnostic kits put disease diagnosis in the hands of growers, consultants and inspectors.

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

INSV tests are supplied in boxes of four. Each box contains 4 test devices, 4 extraction bottles, 4 pipettes and full instructions. Test devices are packed in individual foil pouches, meaning that there is no loss of quality once the outer box is opened. Pocket Diagnostic kits contain everything necessary to carry out testing.

Use of the INSV test

The *Impatiens necrotic spot virus* test is designed to be used in the field or glasshouse, and can be used by operators with little or no training. Pocket Diagnostic test results form an important part of the information mix required for sound decision making in routine screening or disease control situations.

The Pocket Diagnostic test kit is used widely in the ornamentals industry for the detection of the pathogen INSV. Testing is usually carried out on symptomatic plants where the disease is suspected. 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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