

Cymbidium mosaic virus and Odontoglossum ringspot virus

field diagnosis

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Orchids may be infected by a number of different plant viruses. The two viruses most important and widespread in Australian cultivated orchids are Cymbidium mosaic virus and Odontoglossum ringspot virus.

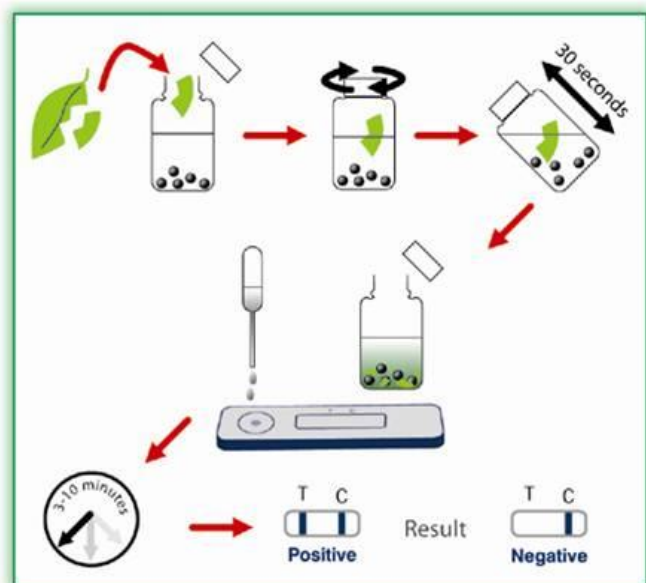
- **Common name:** CyMV and ORSV
- **Symptoms:** reduce plant vigour and in Cattleyas, reduce flower quality. CyMV; yellowing of leaves in a mosaic pattern, blackening and death of the leaf. CyMV; colour breaking in Cattleya flowers. ORSV; a yellowing ringspot symptom on leaves of Odontoglossum and a diamond shaped yellowing of Cymbidium leaf and also yellowing streaks in cymbidium.
- **Host range:** all orchids.
- **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



Use of the CyMV and ORSV test

The CyMV and ORSV tests are 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. 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.

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

Each kit contains 1 x CymMV test, 1 x ORSV test, 1 x extraction bottle, 1 x pipette, instructions & pathogen key cards.

The Orchid Virus Test Kit for the detection of CymMV and ORSV uses the same sample.

Further information and ordering

For further information, price list and order form visit www.pocketdiagnostickits.com.au or contact John McDonald, Industry Development Manager, email: nido@ngiq.asn.au or phone 07 3277 7900

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