

# Tomato mosaic virus

## field diagnosis

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*Tomato mosaic virus* is the most troublesome disease of tomatoes causing poor quality fruit and lower yield.

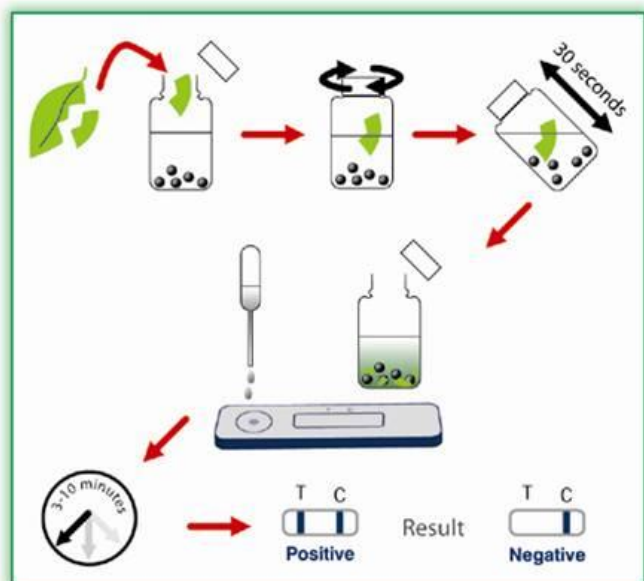
- **Common name:** ToMV.
- **Symptoms:** scattered patches of light, yellowish green mosaic and/or brown areas on the leaves that eventually shrivel into dark longitudinal streaks on leaves, stalks and stems. The fruit can fail to set and also show brownish patches giving a bronzed, patchy appearance and/or slightly raised brown spots. ToMV is a very contagious disease, easily spread by hands, tools or plant to plant contact. In rare cases it is carried on seed.
- **Host range:** including tomato, capsicum, potato, tobacco and lilac.
- **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 ToMV test

The *Tomato mosaic 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 *Tomato mosaic virus* test kit is used widely by growers of protected and field and ornamental crops for detection of the pathogen. Testing is usually carried out on symptomatic plants where disease is suspected. Samples for testing should be taken from leaves or flowers with symptoms or skin from suspect fruit. The tomato flesh should not be used as this inhibits the test.

## 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

ToMV 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.

### Further information and ordering

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

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