

# Potato viruses

## A, S, V, X, Y and YN

### field diagnosis

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The following viruses can be detected using Pocket Diagnostic tests:

- Potato virus A potyvirus (PVA)
- Potato virus S carlavirus (PVS) **Common name:** pepino latent virus (all strains detected)
- Potato virus X potexvirus (PVX) **Common names:** potato latent virus, potato mild mosaic virus.
- Potato virus V potyvirus (PVV)
- Potato virus Y potyvirus (PVY) **Common name:** potato severe mosaic virus (all strains detected)
- Potato virus YN (PVYN) tobacco veinal necrosis strain.
- **Symptoms:** ranging from virtually symptomless to mild mottling of the leaf to a severe mosaic, with a dwarfing of the plant and reduced leaflet size.

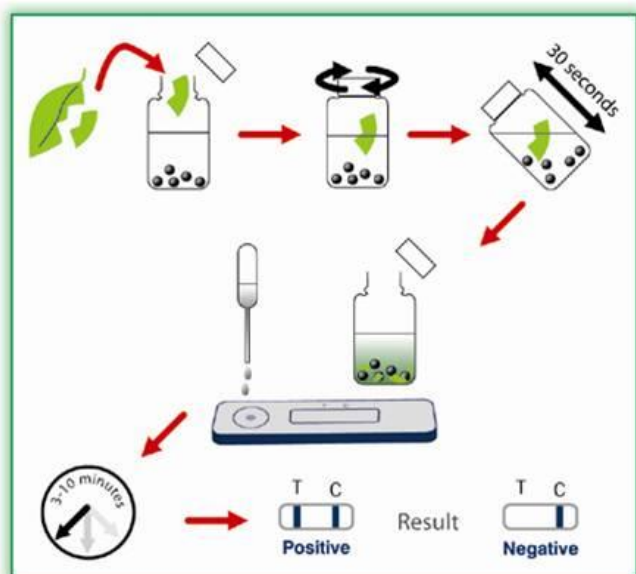
- **Host range:** a narrow host range: potato, also capsicums, tomato, turnip, grapevine and tobacco.
- **Test format:** lateral flow test in plastic cassette.

## Designed for on-site use

All Pocket Diagnostic kits put disease diagnosis in the hands of growers, consultants and inspectors. They can be used by operators with little or no training.

Sampling and testing can be carried out in a few minutes in the field using the simple Pocket Diagnostic kit.

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 potato virus tests

Pocket Diagnostic potato virus tests are used by plant health inspectors and growers as part of the routine screening for infected plants. Pocket Diagnostic test results form an important part of the information mix required for sound decision making in routine screening or disease control situations.

Best results are found when using foliage showing disease symptoms.

## 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. All Pocket Diagnostic test strips are foil-wrapped to ensure quality.

## Quality standards

Production and packaging of Pocket Diagnostic kits are carried out in environmentally-controlled facilities to ISO9001 standards using the latest in automated manufacturing equipment.

## Test kit packs

Pocket Diagnostic tests for each individual potato virus (PVA, PVS, PVV, PVX, PVY and PVYN) are supplied in packs of four. Test devices are packed in individual foil pouches and there is no loss of quality once the outer box is opened.

### 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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