

Product Information: AgriStrip Potato virus X (PVX)

Intended use

This test is intended to detect PVX in suspicious leaf samples. This virus spreads easily by mechanical means and is most important on potato, tobacco, Brassica spp., such as rape, and some ornamentals, such as amaranth varieties. The symptoms of PVX can vary from necrotic streaks, mild mottling to distortion of leaves, and stunting.

Specificity and Sensitivity

The antibodies used for this AgriStrip assay were made against PVX and react with a broad spectrum of PVX isolates from different geographical origins. Sensitivity was comparable to the DAS-ELISA format and strongest coloration of testbands was obtained with a 1:80 to 1:500 (w/v) dilution of an extract of infected tobacco leaves.

Instructions for use

- 1) Place approx. 0.1 g of leaf (corresponds to the size of 1 Euro coin or $\approx 5 \text{ cm}^2$) into an extraction bag (Fig. 1*) and add 3 ml of **AgriStrip extraction buffer A** with a disposable pipette (1:30 w/v).
- 2) Homogenize the tissue with a handheld homogenizer with a few movements for not more than 2 seconds (Fig. 2*).
- 3) **Transfer 1 drop of extract into a cuvette (Fig. 3*) and dilute with 3 drops of extraction buffer.**
- 4) Insert the end of the strip marked «sample» into the extract (Fig. 4*) and observe formation of colored bands.

* For figures, please refer to «AgriStrip General Information».

Maximal
sample size



Ordering Information

Product	Art. No.	Assays
PVX AgriStrip Complete kit 25	110481	25
PVX AgriStrip Set 25	110482	25
PVX AgriStrip Set 100	110483	100
Optional Products	Art. No.	Size
Cuvette rack, holds 12 cuvettes	2166	1
Cuvettes, disposable	2534	100
Pipettes, disposable	2292	500
Extraction bags Universal	430100	100
Homogenizer hand model	400010	1

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Version: 3 - 31.08.2018

Adaptations from last version: new ordering information; minor modifications.