Product Information: AgriStrip

Potato virus S (PVS)

Intended use

This test is intended to detect PVS in suspicious plant samples. It causes few or no symptoms and is carried by many cultivated potato varieties and decreases the yield of potato tubers by up to 20%. Infected potato leaves may show slight chlorosis, roughness of the surface and undulation of the margin.

Specificity and sampling instruction

The antibodies used for this AgriStrip assay were made against a potato isolate of PVS and specifically react with PVS. Sensitivity was comparable to the DAS-ELISA format and strongest coloration of testbands was obtained with a 1:30 (w/v) dilution of an extract of infected potato leaves.

Instructions for use

1) Place approx. 0.1 g of leaf (corresponds to the size of 1 Euro coin or ≈ 5 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 2-3 seconds (Fig. 2*).
3) Transfer **4 drops** of extract (Fig. 3*) into a cuvette.
4) Insert the end of the strip marked «sample» into the extract (Fig. 4*) and observe formation of colored bands. Optimal results are optained after 30 minutes.

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

Maximal sample size

Ordering Information

Product	Art. No.	Assays
PVS **AgriStrip** Complete kit 25	110381	25
PVS **AgriStrip** Set 25	110382	25
PVS **AgriStrip** Set 100	110383	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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Adaptations from last version: optimal sample dilution is 1:30 w/v.

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