

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 1:60 to 1:120 (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 $\approx 5 \text{ cm}^2$) 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 2-3 seconds (Fig. 2*).
- 3) **Transfer 2 drops of extract (Fig. 3*) and 2 drops of extraction buffer into a cuvette.**
- 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 |
|--|----------|--------|
| PVS AgriStrip Complete kit | 110381 | 25 |
| PVS AgriStrip Single strips* | 110382 | 25 |
| PVS AgriStrip Single strips* | 110383 | 100 |
| * including AgriStrip Extraction buffer A, ready-to-use | | |
| Optional Products | Art. No. | Size |
| Cuvette rack, holds 12 cuvettes | 2166 | 1 |
| Cuvettes, disposable | 2534 | 100 |
| Pipettes, disposable | 2292 | 500 |
| Extraction bags «Universal» | 430100a | 100 |
| Homogenizer hand model | 400010 | 1 |

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