

Product Information: AgriStrip Pepper mild mottle virus (PMMoV)

Intended use

This test is intended to detect PMMoV in suspicious plant samples. This virus spreads easily by mechanical means and is most important on pepper. The symptoms can include mottling on leaves, fruit deformation, and stunted growth.

Specificity and sampling instruction

The antibodies used for this AgriStrip assay were made against an isolate from pepper (*Capsicum annuum*) (P. Roggero, personal communication). The antibodies show cross-reactivity with the tobamovirus tomato brown rugose fruit virus (ToBRFV). Sensitivity was comparable to the DAS-ELISA format and strongest coloration of testbands was obtained with a 1:60 to 1:500 (w/v) dilution of an extract of infected pepper 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 1 drop of extract (Fig. 3*) and 3 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 |
|----------------------------------------|----------|--------|
| PMMoV AgriStrip Complete kit 25 | 161781 | 25 |
| PMMoV AgriStrip Set 25 | 161782 | 25 |
| PMMoV AgriStrip Set 100 | 161783 | 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: Additional information about cross-reactivity.