

## Product Information: DAS-ELISA

# Potato virus S (PVS)

### Synonym: Carlavirus sigmasolani

PVS (2) is a virus world-wide distributed. 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

These reagents were made against a potato isolate of PVS multiplied at Agroscope, the Swiss centre of excellence for research in the agriculture and food sector and specifically react with PVS in DAS-ELISA. All isolates of PVS tested so far can be detected, including isolates of the Andean strain (PVS<sup>A</sup>) and isolates of the ordinary strain (PVS<sup>O</sup>).

For all potato reagents, we recommend our extraction buffer «General» (Art. No. 110120) for testing leaf samples at a ratio of 1:20 (w/v). For testing sprouted tuber samples (sprouts of potato), a special extraction buffer «Bulbs & Tubers» (Art. No. 110122), containing egg albumin (ovalbumin), is used at a ratio of 1:10 to 1:20 (w/v; 1).

This product has been developed in cooperation with Agroscope, the Swiss centre of excellence for research in the agriculture and food sector.

### Information on the antibodies

Coating IgG: polyclonal; conjugate: polyclonal

### References

- (1) Gugerli, P. 1986. In H.U. Bergmeyer: Methods of Enz. Analysis. Vol. XI. pp. 430-446.
- (2) Wetter, C. 1971. Descriptions of plant viruses. No. 60. CMI/AAB. 3 pp.

### Ordering Information

**BIOREBA offers the following formats:**

**Individual ELISA reagents** for 100, 500, 1000 or 5000 assays: IgG and/or conjugate for the working volume of 200 µl/test/well.

**Reagent sets** for 480, 960 or 5000 assays: IgG and conjugate, positive and negative controls, and microtiter plates (F-96) for a working volume of 200 µl/test/well.

**Complete kits** for 96, 480, 960 or 5000 assays: All reagents, controls, microtiter plates (F-96), buffers, and substrate necessary for a working volume of 200 µl/test/well.

ELISA buffers, equipment for sample preparation and disposables are also available.

For all Art. No. please refer to our product catalogue or our homepage [www.bioreba.com](http://www.bioreba.com) and for prices and further information on any other product from BIOREBA, please contact your local distributor or our office in Switzerland.

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Adaptations from last version: added revised taxonomy of ICTV and assays of individual ELISA reagents.