

Product Information: DAS-ELISA Potato virus S (PVS)

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^A) and isolates of the ordinary strain (PVS^O).

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 96, 480, 960 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 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: new specificity information added about tested isolates from PVS^A and PVS^O strains.