

Product Information: DAS-ELISA Pelargonium flower break virus (PFBV)

PFBV (3) is mainly occurring in Europe. It is restricted to geraniums (*Pelargonium zonale* and *Pelargonium peltatum*). It is transmitted by inoculation of sap. It causes flower-breaking in some pelargonium seedling lines, but is symptomless in many cultivars. It infected 15 of 100 species tested, in 6 of 35 plant families (*Amaranthaceae*, *Aizoaceae*, *Caryophyllaceae*, *Chenopodiaceae*, *Geraniaceae* and *Solanaceae*).

Specificity and sampling instruction

The reagents were made against an isolate of *Pelargonium zonale* hybrid (S. Winter, personal communication) and react specifically with pelargonium flower break virus (3) in DAS-ELISA (2). The virus can reliably be detected in pelargonium plants throughout the year (1). Samples are homogenised 1:20 (w/v) in extraction buffer «General» (Art. No. 110120).

The product is based on antibodies developed by the Leibniz Institute DSMZ GmbH, Braunschweig, Germany.

Information on the antibodies

Coating IgG: polyclonal; conjugate: polyclonal

References

- (1) Bouwen, I., and Maat, D.Z. 1992. Neth. J. Pl. Path.98:141-156.
- (2) Clark, M.F., and Adams, A.N. 1977. J. gen. Virol. 34:475-483.
- (3) Hollings, M., and Stone, O.M. 1974. Descriptions of plant viruses. No.130. CMI/AAB. 4 pp.

Ordering Information

BIOREBA offers the following formats:

Individual ELISA reagents for 96, 480 or 960 assays: IgG and/or conjugate for the working volume of 200 µl/test/well.

Reagent sets for 480 or 960 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 or 960 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 ordering information; minor modifications.