

## Product Information: DAS-ELISA

# Pelargonium flower break virus (PFBV)

Synonym: Alphacarmovirus pelargonii

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 100, 500 or 1000 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](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.