

Product Information: DAS-ELISA

Bean common mosaic necrosis virus (BCMNV)

Synonym: Potyvirus phaseoli

Bean common mosaic necrosis virus (BCMNV; synonym: Bean common mosaic virus - serotype A), a potyvirus, is transmitted by several aphid species and by seed (1). Main affected crops are different beans (Phaseolus species) where the virus can cause significant yield loss. This seed-borne virus can persist in infected seed lots.

Specificity and sampling instruction

The reagents were made against a BCMNV isolate from Ruanda (M. Turina, personal communication) and react specifically with BCMNV in DAS-ELISA (2). All strains of BCMNV tested so far have been detected. Samples are homogenized 1:20 (w/v) in extraction buffer «General» (Art. No. 110120).

The product is based on antibodies from the National Research Council (Institute for Sustainable Plant Protection), Torino, Italy.

Information on the antibodies

Coating IgG: polyclonal; conjugate: polyclonal

References

- (1) Brunt, A.A., Crabtree, K., Dallwitz, M.J., Gibbs, A.J., Watson, L. and Zurcher, E.J. (eds.) (1996 onwards). `Plant Viruses Online: Descriptions and Lists from the VIDE Database. Version: 20th August 1996.
- (2) Clark, M.F. and Adams, A.N. 1977. J. gen. Virol. 34:475-483.

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 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.