

Product Information: DAS-ELISA

Calibrachoa mottle virus (CbMV)

Synonym: Alphacarmovirus calibrachoeae

Symptoms of CbMV (2) include leaf yellowing and dieback along with leaf spotting. Plants with severe yellowing can be confused with iron deficiency. Iron deficiency is likely to show up more uniformly throughout the crop and often affects other crops as well (especially petunias). Symptoms of Calibrachoa mottle virus often develop when plants are stressed. The virus is transmitted mechanically and by propagation. However, no insect vectors have been found to date.

Specificity and sampling instruction

The reagents were made against a virus isolate of *Calibrachoa* (3, 4) and react specifically with Calibrachoa mottle virus (4). Potential commercially important hosts are *Calibrachoa* and *Petunia* (1). Samples are homogenized 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) Liu. H.-Y., and Sears, J.L. 2003. Plant Dis. 87:1538.
- (2) Liu. H.-Y., Sears, J.L., and Morrison, R.H. 2003. Plant Dis. 87:167-171.
- (3) Lesemann, D.-E., and Winter, S. 2004. DGP, Arbeitskreis Viruskrankheiten der Pflanze - Abstracts 2004.
- (4) Winter. S., and Lesemann, D.-E. 2004. DGP, Arbeitskreis Viruskrankheiten der Pflanze - Abstracts 2004.

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.