

Product Information: DAS-ELISA

Grapevine Pinot Gris Virus (GPGV)

In 2012, the study of Pinot gris vines showing symptoms of leaf deformation, stunting, and chlorotic mottling by deep sequencing revealed the presence of a new *Trichovirus* (family *Betaflexiviridae*) named Grapevine Pinot gris virus (GPGV, 1). The effects of GPGV infection on grapevine are still unclear and the link between virus infection and the occurrence of symptoms is still poorly characterized. Today GPGV has been confirmed to infect at least 28 grape varieties and has been reported in many countries in Europe and Asia as well as in Australia, Canada and USA.

Specificity and sampling instruction

This reagent was made against a recombinant coat protein in collaboration with the laboratory of Prof. Christophe Ritzenthaler at CNRS, Strasbourg. Bark (phloem) scrapings from dormant canes is a good tissue source for testing. When testing leaves, veins and petioles usually contain more detectable virus than the blades. For testing grapevine, a special extraction buffer «Grapevine» (Art. No. 110123) (2, modified) is used at a ratio of 1:10 (w/v).

Information on the antibodies

Coating IgG: polyclonal; conjugate: polyclonal

References

- (1) Giampetruzzi, A., Roumi, V., Roberto, R., Malossini, U., Yoshikawa, N., La Notte, P., Terlizzi, F., Credi, R., and Saldarelli, P. 2012. *Virus Res.* 163:262-268.
- (2) Gugerli, P. 1986. In H.U. Bergmeyer: *Methods of Enz. Analysis.* Vol. XI. pp. 474-481

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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