

Product Information: DAS-ELISA

Prunus necrotic ringspot virus (PNRSV)

Synonym: Ilarvirus PNRSV

PNRSV (4) has a fairly wide host range among dicotyledonous plants. There is no known insect vector, the virus is transmitted by pollen to seed and to pollinated plants. PNRSV causes necrotic ringspot in many species of *Prunus*, often with subsequent recovery from symptoms. It causes sweet cherry rugose mosaic, almond calico, a mosaic disease of rose, and is common in hop, in which it is symptomless or associated with ring and band mosaic.

Specificity and sampling instruction

These DAS-ELISA reagents (1) were made against an isolate of PNRSV (isolate 1/12) from plum (2). The reagents do not distinguish between isolates from plum, cherry, apricot or peach. The virus can generally be detected in fruit trees without difficulties throughout the whole year, either in leaves, flowers, dormant buds or bark of young shoots (3). Samples are homogenised 1:20 (w/v) in extraction buffer «General» (Art. No. 110120).

The product was developed in cooperation with the Martin-Luther-University Halle-Wittenberg, Halle (Saale), Germany.

Information on the antibodies

Coating IgG: polyclonal; conjugate: polyclonal

References

- (1) Clark, M.F., and Adams, A.N. 1977. J. gen. Virol. 34:475-483.
- (2) Grüntzig, M. and Fuchs, E. 1988. Zentralbl. Mikrobiol. 143:25-37. VEB Gustav Fischer Verlag Jena.
- (3) Fuchs, E. Grüntzig, M., and Al Kai, B. 1988. Nachrichtenblatt für den Pflanzenschutz in der DDR. Heft 10. pp. 208-211.
- (4) Fulton, R.W. 1970. Description of plant viruses. No. 5. 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 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.