

## Product Information: DAS-ELISA

# Arabis mosaic virus (ArMV)

## Synonym: Nepovirus arabis

ArMV has a wide host range, infects the seed of many host plants, and is transmitted by the nematode *Xiphinema diversicaudatum*. The virus causes diseases of grapevine, yellow dwarf of raspberry, mosaic and yellow crinkle of strawberry, stunt mottle of cucumber, chlorotic stunt of lettuce, stunting and necrosis of celery, and yellow net of *Forsythia intermedia*, and is one of the causes of mosaic of rhubarb. It occurs in many other plants including sugar beet, hop, horseradish, *Narcissus*, rose, *Sambucus nigra*, *Ligustrum vulgare*, white clover and grapevine. In association with viruses of the prunus necrotic ringspot type it causes one form of rasp-leaf of cherry.

## Specificity and sampling instruction

The DAS-ELISA reagents (1) were made against a grapevine isolate similar to the type strain of ArMV (3). For testing grapevine, a special extraction buffer «Grapevine» (Art. No. 110123) (2, modified) is used at a ratio of 1:10 (w/v); for other plants, the extraction buffer «General» (Art. No. 110120) is used at a ratio of 1:20 (w/v). Young leaves or sprouting buds and juicy bark are good tissue sources for detecting ArMV in grapevine.

## 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) Gugerli, P. 1986. In H.U. Bergmeyer: Methods of Enz. Analysis. Vol. XI, pp. 474-481.
- (3) Murrant, A.F. 1970. Descriptions of plant viruses. No. 16. CMI/AAB. 5 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.