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Datasheet

ELISA reagents for the detection of

Tobacco ringspot virus (TRSV) (4)

a product developed in cooperation with the Cornell University, New York State Agricultural Experiment Station, Geneva, NY, USA

Coating Reagent (Dilute 1000 x in coating buffer)

polyclonal antibody (IgG from rabbit)

___ Art. No.152215 (0.1 ml for 500 assays) Lot No. .....
___ Art. No.152212 (0.2 ml for 1000 assays)

Conjugate Reagent (Dilute 1000 x in conjugate buffer)

polyclonal IgG conjugated with alkaline phosphatase (AP)

___ Art. No.152225 (0.1 ml for 500 assays) Lot No. .....
___ Art. No.152222 (0.2 ml for 1000 assays)

Store at + 4 C.
Stability guaranteed until the expiration date marked on the vial. Once opened, use within 3-4 months.

Specificity: These reagents were made against a grapevine isolate of TRSV and specifically react with TRSV (2) in different host plants (broad-spectrum reagent). The virus can be unevenly distributed in plants (2); thus, conscious sample collection is important. In grapevine, for example, young leaves in spring that have just emerged from bud, and phloem tissue of dormant cuttings (bark scrapings) are good tissue sources for testing. For testing grapevine, a special extraction buffer «grapevine» (0.2 M TRIS, pH 8.2) (3, modified) is used; for other plants, the «general extraction buffer» (1) is applied.

Quality control *Extinction at 405 nm

	..... min	..... min
Infected:	.....	.....
Healthy:	.....	.....
Extraction buffer, (blanking against air):	.....	.....

* The extinction values were obtained by following the procedure of double antibody sandwich ELISA (DAS-ELISA) (1) as described on enclosed leaflet. Certified NUNC F-96 Maxisorp microtiter plates were used. Extinction values may vary according to species, variety, tissue, and physiological age of plant; strain of pathogen; microtiter plate; ELISA plate washer and reader. Since these reagents were tested in DAS-ELISA, other procedures or combinations of reagents might not yield optimal results.

Reference: ..... Approved by:

References

(1) Clark, M.F., and Adams, A. N. 1977. J. gen. Virol. 34:475-483.
(2) Gonsalves, D. 1980. in Proc. 7th Meeting ICVG, Niagara Falls, September 8-12, 1980. Niagara Falls, Canada: Agriculture Canada.
(3) Gugerli, P. 1986. In H.U. Bergmeyer: Methods of Enz. Analysis. Vol XI, pp. 474-481.
(4) Stace-Smith, R.. 1985. Descriptions of plant viruses. No. 309. CMI/AAB. 6 pp.

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