



Datasheet

ELISA reagents for the detection of

**Alfalfa mosaic virus (AMV) (3)**

a product developed in cooperation with the Deutsche Sammlung für Mikroorganismen und Zellkulturen GmbH (DSMZ), Germany, and the USDA-ARS Northwest Center for Small Fruit Research, Corvallis, OR, USA.

Coating Reagent (Dilute 1000 x in coating buffer)  
polyclonal antibody (IgG from rabbit)

\_\_\_ Art. No.140515 (0.1 ml for 500 assays)  
\_\_\_ Art. No.140512 (0.2 ml for 1000 assays)

Lot No. ....

Conjugate Reagent (Dilute 1000 x in conjugate buffer)  
polyclonal IgG conjugated with alkaline phosphatase (AP)

\_\_\_ Art. No.140525 (0.1 ml for 500 assays)  
\_\_\_ Art. No.140522 (0.2 ml for 1000 assays)

Lot No. ....

Store at + 4 C.

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

**Specificity:** The polyclonal antibodies used for coating were made against a DSMZ isolate from G. Belli, Italy (St. Winter, personal communication). The «conjugate» consists of polyclonal antibodies prepared against an isolate from alfalfa collected in Saskatoon, Canada (2).

Best tissue source for testing alfalfa is leaf tissue collected anytime during the growing season (2).

Quality control \*Extinction at 405 nm

..... min                      ..... min

Infected: .....

.....

Healthy: .....

.....

Extraction buffer, (blinking against air):

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\*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) Gossen, B.D., and Martin, R.R. 1993. Can. J. Plant Pathol. 15:314.
- (3) Jaspars, E.M.J., and Bos, L. 1980. Descriptions of plant viruses. No. 229. CMI/AAB. 7pp.