BIOREBA AG
Chr. Merian-Ring 7
CH-4153 Reinach
BL1
Switzerland

BIOREBA

Tel: +41 61 712 11 25
Fax: +41 61 712 11 17
E-mail: admin@bioreba.ch
Web: www.bioreba.com

Datasheet

ELISA reagents for the detection of

Bean common mosaic necrosis virus (BCMNV) (1)

Synonym: Bean common mosaic virus – serotype A

a product developed in cooperation with the Istituto di Virologia Vegetale, CNR, Torino, Italy

Coating Reagent (Dilute 1000 x in coating buffer)

polyclonal antibody (IgG from rabbit)

___ Art. No.162115 (0.1 ml for 500 assays) Lot No. .....
___ Art. No.162112 (0.2 ml for 1000 assays)

Conjugate Reagent (Dilute 1000 x in conjugate buffer)

polyclonal IgG conjugated with alkaline phosphatase (AP)

___ Art. No.162125 (0.1 ml for 500 assays) Lot No. .....
___ Art. No.162122 (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: The reagents were made against a BCMNV isolate from Ruanda (M. Turina, *personal communication)* and react specifically with BCMNV in DAS-ELISA (1). All strains of BCMNV tested so far have been detected. Main affected crops are different beans (*Phaseolus* species). Test samples are homogenized 1:20 (w:v) in extraction buffer «General» (Art. No. 110120).

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) (2) 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) Brunt, A.A., Crabtree, K., Dallwitz, M.J., Gibbs, A.J., Watson, L. and Zurcher, E.J. (eds.) (1996 onwards). 'Plant Viruses Online: Descriptions and Lists from the VIDE Database. Version: 20th August 1996.'
(2) Clark, M.F. and Adams, A.N. 1977. J. gen. Virol. 34:475-483.

コスモ・バイオ株式会社