

Material Safety Data Sheet

Coating antibody (IgG) for detection of bacterial and viral diseases in plant material (non-regulated goods)

Purified antigen specific antibody developed in rabbit

Product code CO

Antiserum is developed in rabbit using purified pathogen as immunogen. The immunoglobulins containing the specific IgG fraction are purified from the total rabbit antiserum. The coating antibody is provided as a solution in 0.01 M phosphate buffered saline, pH 7.4 and 0.1% Proclin300.

Product profile

In DAS-ELISA a working dilution of 1:1000 is recommended. This optimal working dilution is determined in a standard DAS-ELISA test using the homologous pathogen and Alkaline Phosphatase conjugate as antigen and secondary antibody, respectively. However, it is possible that due to differences in methodology, the optimal working dilution may differ from the user's actual titre. In this case it is recommended that the individual user determines the optimum working dilution for his/her system by titration DAS-ELISA.

Components

Proclin300 is added as a preservative. It is a non-hazardous component.

Storage

The coating antiserum should be stored at 4 °C for short term storage (≤1 month). For long term storage (>1 month) we advise to aliquot the conjugate into suitable working volumes and store at -20 °C. **Avoid** repeated freeze–thawing cycles.

The antibodies will be stable for 2 years after date of packaging.

Hazardous aspects

Not applicable

References

Clark, M.F. (1981), Ann. Rev. Phytopathol. 19, 83-106

Van Vuurde, J.W.L. and Maat, D.Z. (1985), Neth. J. Pl. Path. 91, 3-13

Miscellaneous information

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