



## Datasheet

ELISA kit for the detection of

## Grapevine leafroll-associated virus 2 (GLRaV-2) (1)

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

### Complete kit

\_\_\_ Art. No. 120775 for 480 assays in microtiter plates                      Lot No. ....

\_\_\_ Art. No. 120772 for 960 assays in microtiter plates                      Exp. date .....

### Store at +4 C.

Stability guaranteed until the expiration date marked on this sheet or on the labels of the different components.  
Once opened, use within 3-4 months.

**Specificity:** The antibodies are polyclonal, produced in rabbits, and were made against a recombinant coat protein of GLRaV-2 (coat protein expressed in *E. coli*) (2,3). Mature leaves (especially petioles and veins) and bark (phloem) scrapings from dormant canes are good tissue sources for testing.

The GLRaV-2 antibodies are used in an indirect ELISA where the plant sample (the antigen) is directly coated to the microtiter plate. The reagents are provided as a special kit containing the specific antibody (IgG to GLRaV-2) and all reagents necessary for performing the assays (indirect PTA-ELISA format). See enclosed leaflet for the procedure in detail («Product Information - GLRaV-2 kit»).

Quality control *Extinction at 405 nm	..... min	..... min
Infected: .....	.....	.....
Healthy: .....	.....	.....
Positive control Lot No.: .....	.....	.....
Negative control Lot No.: .....	.....	.....
Extraction buffer, (blanking against air):	.....	.....

\*The extinction values were obtained by following the procedure of indirect PTA-ELISA as described on enclosed leaflet. Extinction values may vary according to species, variety, tissue, and physiological age of plant; strain of pathogen; microtiter plate; ELISA plate washer and reader. These reagents were optimized for use in this kit only; other procedures or combinations of reagents might not yield optimal results.

Reference: .....                      Approved by:

### References

- (1) Boscia, D., Martelli, G.P., Savino, V., and Castellano, M.A. 1991. *Vitis* 30:97-105.
- (2) Zhu, H.Y., Ling, K.S., Goszcyski, D.E., McFerson, J., and Gonsalves, D. 1998. *J. Gen. Virol.* 79:1289-1298.
- (3) Zhu, H.Y., Petrovic, N., Ling, K.S., and Gonsalves, D. 1997. 12th Meeting ICVG, Lisbon, Portugal, 29 September- 2 October 1997, p. 97.