

**EUROPEAN AND MEDITERRANEAN PLANT PROTECTION ORGANIZATION
 ORGANISATION EUROPEENNE ET MEDITERRANEENNE POUR LA PROTECTION DES PLANTES
 Summary sheet of validation data for a diagnostic test**

The EPPO Standard PM 7/98 *Specific requirements for laboratories preparing accreditation for a plant pest diagnostic activity* describes how validation should be conducted. It also includes definitions of performance criteria.

Laboratory contact details	ILVO Institute for Agricultural and Fisheries Research Burg. Van Gansberghelaan 96, 9820 Merelbeke, Belgium
Short description of the test	Screening DAS-ELISA test for Chrysanthemum stem necrosis virus
Date, reference of the validation report	2018-02-12 - last version F16_V05
Validation process according to EPPO Standard PM7/98?	yes
Is the lab accredited for this test?	yes
Was the validated data generated in the framework of a project?	
If yes, please specify	
Description of the test	
Organism(s)	Chrysanthemum stem necrosis virus(CSNV00)
Detection / identification	
Matrix(ces) tested	Leaves, Other stems and leaves
Plant species tested	Chrysanthemum sp.
Method(s)	Serological DAS-ELISA
Method: Serological DAS-ELISA	
Reference of the test description	
As or adapted from an EPPO diagnostic protocol	
New test being considered for inclusion in the next version of the EPPO diagnostic protocol?	
As or adapted from an IPPC diagnostic protocol	
Is the test modified compared to the reference test	
Kit	
Is a kit used	yes
Manufacturer name	DSMZ

Specify the kit used	Chrysanthemum stem necrosis virus (DAS-ELISA) CSNV (RT-0529)
Kit used following the manufacturer's instructions?	
<i>Other information</i>	
Reaction type	
Other details on the test	similar to PM7/034 (other tospoviruses)
Are the performance characteristics included in the EPPD diagnostic protocol?	no
Performance Criteria :	
Organism 1.:	Chrysanthemum stem necrosis virus(CSNV00)
<u>Analytical sensitivity</u>	
What is smallest amount of target that can be detected reliably?	
<u>Diagnostic sensitivity</u>	
Proportion of infected/infested samples tested positive compared to results from the standard test, see appendix 2 of PM 7/98	
Standard test(s)	
<u>Analytical specificity - inclusivity</u>	
Number of strains/populations of target organisms tested	2 Chrysanthemum PV-0529 (J. Th. J. Verhoeven 'G 25.37') RefV_CSNV-01 Chrysanthemum DCP/4254/2013 RefV_CSNV-02
Specificity value	
<u>Analytical specificity - exclusivity</u>	
Number of non-target organisms tested	11 Chrysantenvirus B (CVB) Chrysantenstuntviroïde (CSVd) Tomatenbronsvlekkenvirus (TSWV) Impatiens necrotic sport virus (INSV) Watermelon silver mottle virus (WSMV) Potato virus Y (PVY, not infecting Chrysanthemum but with a high homology to ChSV) CVB, and WSMV and INSV (two other tospovirussen) and the viroïd (CSVd)
Specificity value	possible cross reaction with other tospoviruses, incl TSWV
Cross reacts with	
<u>Diagnostic Specificity</u>	
Proportion of uninfected/uninfested samples (true negatives) testing negative compared to results from a standard test	
Specify the test(s)	
<u>Reproducibility</u>	
Provide the calculated % of agreement for a given level of the pest (see PM 7/98)	100%
<u>Repeatability</u>	

Provide the calculated % of agreement for a given level of the pest (see PM 7/98)	100%
Test performance study	
Test performance study?	no
Brief details of the test performance study and its output. If available, link to published article/report	
Other information	
Any other information considered useful	

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