

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?	
Description of the test	
Organism(s)	Orthotospovirus chrysanthinecrocaulis(CSNV00)
Method(s)	Serological DAS-ELISA
Method: Serological DAS-ELISA	
Reference of the test description	
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?	
Other information	
Other details on the test	similar to PM7/034 (other tospoviruses)
Are the performance characteristics included in the EPPO diagnostic protocol?	no
Performance Criteria :	
Organism 1.:	Orthotospovirus chrysanthinecrocaulis(CSNV00)
Analytical specificity - inclusivity	
Number of strains/populations of target	2 Chrysanthemum PV-0529 (J. Th. J. Verhoeven 'G

organisms tested	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
<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

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