

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 - Melle, 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)	Chrysanthemum stem necrosis virus / Orthotospovirus chrysanthinecrocaulis (CSNV00)
Detection / identification	detection
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 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	
Analytical specificity - exclusivity	
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
Reproducibility	
Provide the calculated % of agreement for a given level of the pest (see PM 7/98)	100%
Repeatability	
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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