

**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.

<b>Laboratory contact details</b>	ILVO Institute for Agricultural and Fisheries Research Burg. Van Gansberghelaan 96, 9820 Merelbeke - Melle, Belgium
<b>Short description of the test</b>	Screening DAS-ELISA test for Chrysanthemum stem necrosis virus
<b>Date, reference of the validation report</b>	2018-02-12 - last version F16_V05
<b>Validation process according to EPPO Standard PM7/98?</b>	yes
<b>Is the lab accredited for this test?</b>	yes
<b>Was the validated data generated in the framework of a project?</b>	
<b>Description of the test</b>	
<b>Organism(s)</b>	Chrysanthemum stem necrosis virus / Orthotospovirus chrysanthinecrocaulis (CSNV00)
<b>Detection / identification</b>	detection
<b>Matrix(ces) tested</b>	Leaves, Other stems and leaves
<b>Plant species tested</b>	Chrysanthemum sp.
<b>Method(s)</b>	Serological DAS-ELISA
<b>Method: Serological DAS-ELISA</b>	
<b>Reference of the test description</b>	
<b>Kit</b>	
<b>Is a kit used</b>	yes
<b>Manufacturer name</b>	DSMZ
<b>Specify the kit used</b>	Chrysanthemum stem necrosis virus (DAS-ELISA) CSNV (RT-0529)
Kit used following the manufacturer's instructions?	
<b>Other information</b>	
<b>Other details on the test</b>	similar to PM7/034 (other tospoviruses)
<b>Are the performance characteristics included in the EPPO diagnostic protocol?</b>	<b>no</b>
<b>Performance Criteria :</b>	

<b>Organism 1.:</b>	<b>Orthotospovirus chrysanthinecrocaulis(CSNV00)</b>
<b><u>Analytical specificity - inclusivity</u></b>	
<b>Number of strains/populations of target organisms tested</b>	2 Chrysanthemum PV-0529 (J. Th. J. Verhoeven 'G 25.37') RefV_CSNV-01 Chrysanthemum DCP/4254/2013 RefV_CSNV-02
<b>Specificity value</b>	
<b><u>Analytical specificity - exclusivity</u></b>	
<b>Number of non-target organisms tested</b>	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)
<b>Specificity value</b>	possible cross reaction with other tospoviruses, incl TSWV
<b><u>Reproducibility</u></b>	
<b>Provide the calculated % of agreement for a given level of the pest (see PM 7/98)</b>	100%
<b><u>Repeatability</u></b>	
<b>Provide the calculated % of agreement for a given level of the pest (see PM 7/98)</b>	100%
<b><u>Test performance study</u></b>	
<b>Test performance study?</b>	no

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