

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.

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| 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 |

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| organisms tested | 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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