

**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 | Central Institute for supervising and testing in agriculture Slechtitelu 773/23, 779 00 Olomouc, Czech Republic |
| Short description of the test | Detection of plum pox virus using DAS-ELISA in leaves |
| Date, reference of the validation report | 2018-05-21 - F-281201-28 |
| Validation process according to EPPO Standard PM7/98? | no |
| 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) | Plum pox virus / Potyvirus plumpoxi (PPV000) |
| Detection / identification | detection |
| Method(s) | Serological DAS-ELISA |
| Method: Serological DAS-ELISA | |
| Reference of the test description | |
| Other information | |
| Other details on the test | DAS-ELISA, comparison extraction buffer #13(Bioreba) and extraction buffer #2 |
| Are the performance characteristics included in the EPPO diagnostic protocol? | no |
| Performance Criteria : | |
| Organism 1.: | Potyvirus plumpoxi(PPV000) |
| Analytical sensitivity | |
| What is smallest amount of target that can be detected reliably? | Dilution 1000x for the two extraction buffers |
| Analytical specificity - inclusivity | |
| Number of strains/populations of target organisms tested | 2 PPV (Wz22.3.14/23.8.17, Wz20.4.14/2.3.18) |
| Specificity value | |

| | |
|--|---|
| Analytical specificity - exclusivity | |
| Number of non-target organisms tested | 3 PDV, PNRSV, CLRV |
| Specificity value | For the two extraction buffers: Specific reaction for PPV, antiserum does not react with PDV, PNRSV, CLRV |
| Reproducibility | |
| Provide the calculated % of agreement for a given level of the pest (see PM 7/98) | For the two extraction buffers: 100% |
| Repeatability | |
| Provide the calculated % of agreement for a given level of the pest (see PM 7/98) | For the two extraction buffers: 100% |
| Test performance study | |
| Test performance study? | no |
| The following complementary files are available online: | |
| | <ul style="list-style-type: none"> • Validation report PPV ELISA |

Creation date: 2022-03-15 16:08:57 - Last update: 2022-03-15 16:13:41