

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
Matrix(ces) tested	Leaves
Plant species tested	Prunus sp.
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 the 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	2 PPV (Wz22.3.14/23.8.17, Wz20.4.14/2.3.18)

organisms tested	
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

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