

**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>	Federal State Organization "All-Russian Plant Quarantine Center" Pogranichnaya str.32, Ramensky region, Moscow obl., 140150 Bykovo, Russia
<b>Short description of the test</b>	Detection of Plum pox virus in plant extract by FLASH-PCR
<b>Date, reference of the validation report</b>	2011-01-01 - none
<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>	Plum pox virus / Potyvirus plumpoxi (PPV000)
<b>Detection / identification</b>	detection
<b>Method(s)</b>	Molecular Extraction DNA RNA Molecular other
<b>Method: Molecular Extraction DNA RNA</b>	
<b>Reference of the test description</b>	
<b>Kit</b>	
<b>Is a kit used</b>	yes
<b>Manufacturer name</b>	AGRODIAGNOSTICA
<b>Specify the kit used</b>	PREP-GS kit
Kit used following the manufacturer's instructions?	
<b>Other information</b>	
<b>Method: Molecular other</b>	
<b>Reference of the test description</b>	
<b>Other information</b>	
<b>Other details on the test</b>	FLASH-PCR for detection of Plum pox virus
<b>Are the performance characteristics included in the EPPO diagnostic protocol?</b>	no
<b>Performance Criteria :</b>	

<b>Organism 1.:</b>	<b>Potyvirus plumpoxi(PPV000)</b>
<b><u>Analytical sensitivity</u></b>	
<b>What is smallest amount of target that can be detected reliably?</b>	Dilution 1/78125 of isolate PV-0001 (DSMZ, Germany) in buffer
<b><u>Diagnostic sensitivity</u></b>	
<b>Proportion of infected/infested samples tested positive compared to results from the standard test, see appendix 2 of PM 7/98</b>	Same results
<b>Standard test(s)</b>	Conventional RT-PCR (P1/P2 EPPO DP 7/32)
<b><u>Analytical specificity - inclusivity</u></b>	
<b>Number of strains/populations of target organisms tested</b>	4 strains of Plum pox virus and 4 isolates of Plum pox virus (PV-0001, PV-0209, PV-0305, PV-0430 DSMZ, Germany)
<b>Specificity value</b>	Same results
<b><u>Analytical specificity - exclusivity</u></b>	
<b>Number of non-target organisms tested</b>	9 non-target organisms
<b>Specificity value</b>	Cross reaction was not observed
<b><u>Reproducibility</u></b>	
<b>Provide the calculated % of agreement for a given level of the pest (see PM 7/98)</b>	100% coincidence
<b><u>Repeatability</u></b>	
<b>Provide the calculated % of agreement for a given level of the pest (see PM 7/98)</b>	100% coincidence
<b>Test performance study</b>	
<b>Test performance study?</b>	no
<b>Other information</b>	
<b>Any other information considered useful</b>	you can find attached full validation report in Russian
<b>The following complementary files are available online:</b>	<ul style="list-style-type: none"> <li>• <a href="#">2011 validation FLSASH PCR PPV</a></li> </ul>

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