

**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>	Bacteriology. Instituto Valenciano de Investigaciones Agrarias CV-315, km. 10.7, 46113 Moncada, Spain
<b>Short description of the test</b>	Test performance study of tests for molecular detection of <i>Erwinia amylovora</i> in symptomatic plant material
<b>Date, reference of the validation report</b>	2021-03-08 - TPS Ea-1
<b>Validation process according to EPPO Standard PM7/98?</b>	yes
<b>Is the lab accredited for this test?</b>	no
<b>Was the validated data generated in the framework of a project?</b>	Other_project
<b>If yes, please specify</b>	Valitest
<b>Description of the test</b>	
<b>Organism(s)</b>	<i>Erwinia amylovora</i> (ERWIAM)
<b>Detection / identification</b>	detection
<b>Matrix(ces) tested</b>	Flowers, Leaves, Wood, Woody cuttings Plant material of <i>Malus domestica</i> , <i>Pyrus communis</i> , Amelanchier and <i>Pyracantha</i> was collected in a fire blight Zona Protecta area of Slovenia
<b>Plant species tested</b>	
<b>Method(s)</b>	Molecular real time PCR Molecular LAMP
<b>Method: Molecular real time PCR</b>	
<b>Reference of the test description</b>	
<b>As or adapted from an EPPO diagnostic protocol</b>	
<b>New test being considered for inclusion in the next version of the EPPO diagnostic protocol?</b>	
<b>As or adapted from an IPPC diagnostic protocol</b>	
<b>Is the test modified compared to the reference test</b>	
<b>Kit</b>	

Is a kit used	
<b>Other information</b>	
Other details on the test	
<b>Method: Molecular LAMP</b>	
<b>Reference of the test description</b>	
As or adapted from an EPPO diagnostic protocol	
New test being considered for inclusion in the next version of the EPPO diagnostic protocol?	
As or adapted from an IPPC diagnostic protocol	
Is the test modified compared to the reference test	
<b>Kit</b>	
Is a kit used	
<b>Other information</b>	
Other details on the test	
Are the performance characteristics included in the EPPO diagnostic protocol?	
<b>Performance Criteria :</b>	
Organism 1.:	Erwinia amylovora(ERWIAM)
<b>Analytical sensitivity</b>	
What is smallest amount of target that can be detected reliably?	
<b>Diagnostic sensitivity</b>	
Proportion of infected/infested samples tested positive compared to results from the standard test, see appendix 2 of PM 7/98	
Standard test(s)	
<b>Analytical specificity - inclusivity</b>	
Number of strains/populations of target organisms tested	
Specificity value	
<b>Analytical specificity - exclusivity</b>	
Number of non-target organisms tested	
Specificity value	
Cross reacts with	
<b>Diagnostic Specificity</b>	
Proportion of uninfected/uninfested samples (true negatives) testing negative compared to results from a standard test	

<b>Specify the test(s)</b>	
<b>Reproducibility</b>	
<b>Provide the calculated % of agreement for a given level of the pest (see PM 7/98)</b>	
<b>Repeatability</b>	
<b>Provide the calculated % of agreement for a given level of the pest (see PM 7/98)</b>	
<b>Test performance study</b>	
<b>Test performance study?</b>	no
<b>Brief details of the test performance study and its output. If available, link to published article/report</b>	
<b>Other information</b>	
<b>Any other information considered useful</b>	
The following complementary files are available online:	<ul style="list-style-type: none"> <li>• <a href="#">Report on the results of the test performance study of tests for molecular detection of Erwinia amylovora in symptomatic plant material</a></li> </ul>

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