

**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>	AGES Institute of Sustainable Plant Production Spargelfeldstrasse 191, 1220 Vienna, Austria
<b>Short description of the test</b>	Lateral flow devices for fire blight testing
<b>Date, reference of the validation report</b>	2012-12-18 -
<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>	
<b>If yes, please specify</b>	
<b>Description of the test</b>	
<b>Organism(s)</b>	Erwinia amylovora(ERWIAM)
<b>Detection / identification</b>	detection
<b>Matrix(ces) tested</b>	Pure culture Tested on pure bacterial cultures
<b>Plant species tested</b>	
<b>Method(s)</b>	Serological Lateral Flow Device Serological Lateral Flow Device (2)
<b>Method: Serological Lateral Flow Device</b>	
<b>Reference of the test description</b>	
<b>As or adapted from an EPPO diagnostic protocol</b>	yes
<b>New test being considered for inclusion in the next version of the EPPO diagnostic protocol?</b>	
<b>EPPO Diagnostic Protocol name</b>	PM 7/020 Erwinia amylovora (version 2)
<b>Name of the test</b>	Lateral flow devices
<b>As or adapted from an IPPC diagnostic protocol</b>	
<b>Is the test modified compared to the reference test</b>	no
<b>Kit</b>	
<b>Is a kit used</b>	yes

<b>Manufacturer name</b>	BIOREBA
<b>Specify the kit used</b>	AgriStrip Erwinia amylovora
Kit used following the manufacturer's instructions?	
<b><i>Other information</i></b>	
<b>Reaction type</b>	
<b>Other details on the test</b>	
<b>Method: Serological Lateral Flow Device (2)</b>	
<b><i>Reference of the test description</i></b>	
<b>As or adapted from an EPPO diagnostic protocol</b>	yes
<b>New test being considered for inclusion in the next version of the EPPO diagnostic protocol?</b>	
<b>EPPO Diagnostic Protocol name</b>	PM 7/020 Erwinia amylovora (version 2)
<b>Name of the test</b>	Lateral flow devices
<b>As or adapted from an IPPC diagnostic protocol</b>	
<b>Is the test modified compared to the reference test</b>	no
<b><i>Kit</i></b>	
<b>Is a kit used</b>	yes
<b>Manufacturer name</b>	POCKET DIAGNOSTIC
<b>Specify the kit used</b>	Pocket Diagnostic® rapid plant disease tests - Erwinia amylovora
Kit used following the manufacturer's instructions?	
<b><i>Other information</i></b>	
<b>Reaction type</b>	
<b>Other details on the test</b>	
<b>Are the performance characteristics included in the EPPO diagnostic protocol?</b>	yes
<b>Performance Criteria :</b>	
<b>Organism 1.:</b>	<b>Erwinia amylovora(ERWIAM)</b>
<b><u>Analytical sensitivity</u></b>	
<b>What is smallest amount of target that can be detected reliably?</b>	
<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>	
<b>Standard test(s)</b>	
<b><u>Analytical specificity - inclusivity</u></b>	

<b>Number of strains/populations of target organisms tested</b>	
<b>Specificity value</b>	
<b>Analytical specificity - exclusivity</b>	
<b>Number of non-target organisms tested</b>	14
<b>Specificity value</b>	Also cross react with <i>Erwinia tasmaniensis</i>
<b>Cross reacts with</b>	<i>Erwinia uzenensis</i> <i>Erwinia piriflorinigrans</i> <i>Erwinia pyrifoliae</i>
<b>Diagnostic Specificity</b>	
<b>Proportion of uninfected/uninfested samples (true negatives) testing negative compared to results from a standard test</b>	
<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>	Is routinely being used for testing isolated pure cultures of <i>Erwinia amylovora</i> isolates
<b>The following complementary files are available online:</b>	<ul style="list-style-type: none"> <li>• <a href="#">Table on cross reaction of <i>Erwinia amylovora</i> LFDs</a></li> </ul>

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