

**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>	Netherlands Institute for Vectors, Invasive plants and Plant health P.O. Box 9102, 6700 HC Wageningen, Netherlands
<b>Short description of the test</b>	Validation of the isolation of <i>Pantoea stewartii</i> subsp. <i>stewartii</i> from symptomatic sweet corn plants
<b>Date, reference of the validation report</b>	2022-04-14 - BAC-2022-12
<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>	Other_project
<b>If yes, please specify</b>	Dutch phytosanitary project
<b>Description of the test</b>	
<b>Organism(s)</b>	<i>Pantoea stewartii</i> subsp. <i>stewartii</i> (ERWIST)
<b>Detection / identification</b>	detection
<b>Matrix(ces) tested</b>	Shoots Jubilee and Taste Sweet F1 cultivars of sweet corn
<b>Plant species tested</b>	<i>Zea mays</i>
<b>Method(s)</b>	Isolation
<b>Method: Isolation</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>	no
<b>EPPO Diagnostic Protocol name</b>	PM 7/060 <i>Pantoea stewartii</i> (version 2)
<b>Name of the test</b>	Isolation on King's B agar
<b>As or adapted from an IPPC diagnostic protocol</b>	no
<b>Is the test modified compared to the reference test</b>	no
<b>Other information</b>	

<b>Other details on the test</b>	Validation was also performed on NA and YPGA (next to King's B agar).
<b>Performance Criteria :</b>	
<b>Organism 1.:</b>	<b>Pantoea stewartii subsp. stewartii(ERWIST)</b>
<b>Analytical sensitivity</b>	
<b>What is the smallest amount of target that can be detected reliably?</b>	King B and NA media: 45,36 cfu/ml YPG medium: 11,97 cfu/ml.
<b>Diagnostic sensitivity</b>	
<b>Proportion of infected/infested samples tested positive compared to results from the standard test, see appendix 2 of PM 7/98</b>	100%
<b>Analytical specificity - inclusivity</b>	
<b>Number of strains/populations of target organisms tested</b>	22 Pss isolates
<b>Specificity value</b>	100%
<b>Analytical specificity - exclusivity</b>	
<b>Number of non-target organisms tested</b>	15 other Pantoea species or pathovars 1 Pseudomonas 1 Paraburkholderia
<b>Specificity value</b>	
<b>Cross-reacts with</b>	Pantoea allii Pantoea ananatis Pantoea stewartii subsp. indologenes Pantoea dispersa Pantoea agglomerans Pseudomonas syringae pv. lapsa Paraburkholderia andropogonis
<b>Test performance study</b>	
<b>Test performance study?</b>	no
The following complementary files are available online:	
	<ul style="list-style-type: none"> <li>• <a href="#">Validation report isolation Pss</a></li> </ul>

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