

**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>	Identification of <i>Pectobacterium</i> sp. and <i>Dickeya</i> sp. on the genus level by MALDI-TOF in pure culture
<b>Date, reference of the validation report</b>	2025-08-05 - BAC-2024-10
<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>	no
<b>Description of the test</b>	
<b>Organism(s)</b>	<i>Pectobacterium</i> (1PECBG) <i>Dickeya</i> (1DICKG)
<b>Detection / identification</b>	identification
<b>Method(s)</b>	MALDI-TOF
<b>Method: MALDI-TOF</b>	
<b>Reference of the test description</b>	
<b>As or adapted from an EPPO diagnostic protocol</b>	no
<b>New test being considered for inclusion in the next version of the EPPO diagnostic protocol?</b>	yes
<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>	MALDI-TOF MS was performed on a Bruker machine
<b>Performance Criteria :</b>	
<b>Organism 1.:</b>	<b><i>Pectobacterium</i>(1PECBG)</b>
<b><u>Analytical specificity - inclusivity</u></b>	
<b>Number of strains/populations of target organisms tested</b>	102 different <i>Pectobacterium</i> isolates of various species

<b>Specificity value</b>	100%
<b><u>Analytical specificity - exclusivity</u></b>	
<b>Number of non-target organisms tested</b>	64 isolates of various species of Dickeya
<b>Specificity value</b>	100%
<b>Organism 2.:</b>	<b>Dickeya(1DICKG)</b>
<b><u>Analytical specificity - inclusivity</u></b>	
<b>Number of strains/populations of target organisms tested</b>	64 isolates of various species of Dickeya
<b>Specificity value</b>	100%
<b><u>Analytical specificity - exclusivity</u></b>	
<b>Number of non-target organisms tested</b>	102 isolates of various species of Pectobacterium
<b>Specificity value</b>	100%
<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 MALDI-TOF Pectobacterium and Dickeya</a></li> </ul>

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