

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.

Laboratory contact details	Netherlands Institute for Vectors, Invasive plants and Plant health P.O. Box 9102, 6700 HC Wageningen, Netherlands
Short description of the test	Identification of <i>Pectobacterium</i> sp. and <i>Dickeya</i> sp. on the genus level by MALDI-TOF in pure culture
Date, reference of the validation report	2025-08-05 - BAC-2024-10
Validation process according to EPPO Standard PM7/98?	yes
Is the lab accredited for this test?	no
Was the validated data generated in the framework of a project?	no
Description of the test	
Organism(s)	<i>Pectobacterium</i> (1PECBG) <i>Dickeya</i> (1DICKG)
Detection / identification	identification
Method(s)	MALDI-TOF
Method: MALDI-TOF	
Reference of the test description	
As or adapted from an EPPO diagnostic protocol	no
New test being considered for inclusion in the next version of the EPPO diagnostic protocol?	yes
As or adapted from an IPPC diagnostic protocol	no
Is the test modified compared to the reference test	no
Other information	
Other details on the test	MALDI-TOF MS was performed on a Bruker machine
Performance Criteria :	
Organism 1.:	<i>Pectobacterium</i>(1PECBG)
<u>Analytical specificity - inclusivity</u>	
Number of strains/populations of target organisms tested	102 different <i>Pectobacterium</i> isolates of various species

Specificity value	100%
<u>Analytical specificity - exclusivity</u>	
Number of non-target organisms tested	64 isolates of various species of Dickeya
Specificity value	100%
Organism 2.:	Dickeya(1DICKG)
<u>Analytical specificity - inclusivity</u>	
Number of strains/populations of target organisms tested	64 isolates of various species of Dickeya
Specificity value	100%
<u>Analytical specificity - exclusivity</u>	
Number of non-target organisms tested	102 isolates of various species of Pectobacterium
Specificity value	100%
Test performance study	
Test performance study?	no
The following complementary files are available online:	• Validation report MALDI-TOF Pectobacterium and Dickeya

Creation date: 2025-08-06 08:57:14 - Last update: 2025-08-06 16:13:31