

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	Validation of the pathogenicity test of <i>Curtobacterium flaccumfaciens</i> pv. <i>flaccumfaciens</i> in common bean
Date, reference of the validation report	2022-04-22 - BAC-2021-10
Validation process according to EPPO Standard PM7/98?	yes
Is the lab accredited for this test?	yes
Was the validated data generated in the framework of a project?	no
Description of the test	
Organism(s)	<i>Curtobacterium flaccumfaciens</i> pv. <i>flaccumfaciens</i> (CORBFL)
Detection / identification	identification
Method(s)	Pathogenicity
Method: Pathogenicity	
Reference of the test description	
As or adapted from an EPPO diagnostic protocol	yes
New test being considered for inclusion in the next version of the EPPO diagnostic protocol?	no
EPPO Diagnostic Protocol name	PM 7/102 <i>Curtobacterium flaccumfaciens</i> pv. <i>flaccumfaciens</i> (version 1)
Name of the test	Pathogenicity test method C
As or adapted from an IPPC diagnostic protocol	no
Is the test modified compared to the reference test	yes PBS was used instead of sterile water to make bacterial suspensions. After inoculation of the plants, a wet plastic sheet was placed around them for 2-3 days to increase the humidity. For details, see validation report.
Other information	

Performance Criteria :	
Organism 1.:	Curtobacterium flaccumfaciens pv. flaccumfaciens(CORBFL)
Analytical specificity - inclusivity	
Number of strains/populations of target organisms tested	9 isolates of C. flaccumfaciens pv. flaccumfaciens from the NIVIP collection were tested, including one positive control.
Specificity value	100% of the isolates caused symptoms on at least 1 out of 10 plants within 16 days post-inoculation.
Analytical specificity - exclusivity	
Number of non-target organisms tested	Pseudomonas savastanoi pv. phaseolica and Clavibacter michiganensis pv. phaseoli
Specificity value	High, but not 100%. This is not relevant as the isolates used for the pathogenicity test in the diagnostic procedure in our laboratory are only isolates that have been fully identified as C. flaccumfaciens pv. flaccumfaciens.
Reproducibility	
Provide the calculated % of agreement for a given level of the pest (see PM 7/98)	100%
Repeatability	
Provide the calculated % of agreement for a given level of the pest (see PM 7/98)	100%
Test performance study	
Test performance study?	no
The following complementary files are available online:	
	<ul style="list-style-type: none"> • Pathogenicity Cff

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