

**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 pathogenicity test of <i>Curtobacterium flaccumfaciens</i> pv. <i>flaccumfaciens</i> in common bean
<b>Date, reference of the validation report</b>	2022-04-22 - BAC-2021-10
<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>	no
<b>Description of the test</b>	
<b>Organism(s)</b>	<i>Curtobacterium flaccumfaciens</i> pv. <i>flaccumfaciens</i> (CORBFL)
<b>Detection / identification</b>	identification
<b>Matrix(ces) tested</b>	Pure culture Pure cultures of <i>C. flaccumfaciens</i> pv. <i>flaccumfaciens</i> isolates from the collection of the NIVIP were used.
<b>Plant species tested</b>	<i>Phaseolus vulgaris</i>
<b>Method(s)</b>	Pathogenicity
<b>Method: Pathogenicity</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 7/102 <i>Curtobacterium flaccumfaciens</i> pv. <i>flaccumfaciens</i> (version 1)
<b>Name of the test</b>	Pathogenicity test method C
<b>As or adapted from an IPPC diagnostic protocol</b>	no
<b>Is the test modified compared to the reference test</b>	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.
<b>Other information</b>	
<b>Performance Criteria :</b>	
<b>Organism 1.:</b>	<b>Curtobacterium flaccumfaciens pv. flaccumfaciens(CORBFL)</b>
<b>Analytical specificity - inclusivity</b>	
<b>Number of strains/populations of target organisms tested</b>	9 isolates of C. flaccumfaciens pv. flaccumfaciens from the NIVIP collection were tested, including one positive control.
<b>Specificity value</b>	100% of the isolates caused symptoms on at least 1 out of 10 plants within 16 days post-inoculation.
<b>Analytical specificity - exclusivity</b>	
<b>Number of non-target organisms tested</b>	Pseudomonas savastanoi pv. phaseolica and Clavibacter michiganensis pv. phaseoli
<b>Specificity value</b>	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.
<b>Reproducibility</b>	
<b>Provide the calculated % of agreement for a given level of the pest (see PM 7/98)</b>	100%
<b>Repeatability</b>	
<b>Provide the calculated % of agreement for a given level of the pest (see PM 7/98)</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="#">CFF pathogenicity</a></li> </ul>

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