

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	Detection of <i>Curtobacterium flaccumfaciens</i> pv. <i>flaccumfaciens</i> by isolation in herbaceous cuttings
Date, reference of the validation report	2026-07-22 - BAC-2024-17
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	detection
Matrix(ces) tested	Herbaceous cuttings Pieces of the stems and petioles of common bean grown in the greenhouse.
Plant species tested	<i>Phaseolus vulgaris</i>
Method(s)	Isolation
Method: Isolation	
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?	yes
EPPO Diagnostic Protocol name	PM 7/102 <i>Curtobacterium flaccumfaciens</i> pv. <i>flaccumfaciens</i> (version 1)
As or adapted from an IPPC diagnostic protocol	no
Other information	
Other details on the test	This is the validation of the isolation on CFFKB media of <i>C. flaccumfaciens</i> pv. <i>flaccumfaciens</i> from asymptomatic common bean plants
Performance Criteria :	

Organism 1.:	Curtobacterium flaccumfaciens pv. flaccumfaciens(CORBFL)
<u>Analytical sensitivity</u>	
What is the smallest amount of target that can be detected reliably?	321 cfu/ml in unconcentrated extract 14 cfu/ml in concentrated extract Both on CFFKB media
<u>Analytical specificity - inclusivity</u>	
Number of strains/populations of target organisms tested	31 isolates of C. flaccumfaciens pv. flaccumfaciens (isolated from various host plants in various countries and from different years).
Specificity value	100% on CFFKB media
<u>Analytical specificity - exclusivity</u>	
Number of non-target organisms tested	Two groups: Group 1 = 4 isolates of C. flaccumfaciens with unknown pathovar and 1 C. poinsettiae Group 2 = 10 isolates (various non-Curtobacterium species) associated with the Fabaceae family.
Specificity value	Group 1 = 0% on CFFKB media Group 2 = 100% on CFFKB media
Cross-reacts with	Curtobacterium poinsettiae Curtobacterium flaccumfaciens pv. poinsettiae Curtobacterium flaccumfaciens pv. ilicis Curtobacterium flaccumfaciens pv. oortii Curtobacterium flaccumfaciens pv. betae Curtobacterium flaccumfaciens pv. allii Curtogyne undata
Test performance study	
Test performance study?	no

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