

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	Anses Plant Health Laboratory - Nematology Unit Domaine de la Motte au Viconte BP 35327, 35653 Le Rheu, France
Short description of the test	Morphological identification of <i>Bursaphelenchus xylophilus</i>
Date, reference of the validation report	2011-05-01 - Evaluation de la méthode d'identification morphologique de <i>Bursaphelenchus xylophilus</i>
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?	
Description of the test	
Organism(s)	<i>Bursaphelenchus xylophilus</i> (BURSXY)
Detection / identification	identification
Matrix(ces) tested	Specimen Not relevant
Method(s)	Morphological
Method: Morphological	
Reference of the test description	
As or adapted from an EPPO diagnostic protocol	yes
EPPO Diagnostic Protocol name	PM 7/004 <i>Bursaphelenchus xylophilus</i> (version 2)
Is the test modified compared to the reference test	yes Modified see full report
Other information	
Other details on the test	Table 2
Are the performance characteristics included in the EPPO diagnostic protocol?	no
Performance Criteria :	
Organism 1.:	<i>Bursaphelenchus xylophilus</i>(BURSXY)
Analytical sensitivity	

What is the smallest amount of target that can be detected reliably?	2 nematodes (1 male and 1 female)
<u>Diagnostic sensitivity</u>	
Proportion of infected/infested samples tested positive compared to results from the standard test, see appendix 2 of PM 7/98	Not evaluated
Standard test(s)	Not relevant
<u>Analytical specificity - inclusivity</u>	
Number of strains/populations of target organisms tested	2 populations of Bursaphelenchus xylophilus
Specificity value	1
<u>Analytical specificity - exclusivity</u>	
Number of non-target organisms tested	1 population of non target species: B. sexdentati (target= xylophilus group) 6 non target populations (target=B. xylophilus): B. doui, B. macromucronatus, B.fraudulentus, B. singaporensis, B. mucronatus european type, B. mucronatus asian type
Specificity value	
<u>Diagnostic Specificity</u>	
Proportion of uninfected/uninfested samples (true negatives) testing negative compared to results from a standard test	Not evaluated
<u>Reproducibility</u>	
Provide the calculated % of agreement for a given level of the pest (see PM 7/98)	100% (30 slides , 2 operators)
<u>Repeatability</u>	
Provide the calculated % of agreement for a given level of the pest (see PM 7/98)	100 % at group identification level 100% at species identification level
<u>Test performance study</u>	
Test performance study?	no
<u>Other information</u>	
Any other information considered useful	The full report is available upon request to the laboratory

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