

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?	
If yes, please specify	
Description of the test	
Organism(s)	<i>Bursaphelenchus xylophilus</i> (BURSXY)
Detection / identification	identification
Matrix(ces) tested	Specimen Not relevant
Plant species tested	
Method(s)	Morphological
Method: Morphological	
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?	
EPPO Diagnostic Protocol name	PM 7/004 <i>Bursaphelenchus xylophilus</i> (version 2)
Name of the test	
As or adapted from an IPPC diagnostic protocol	
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.:	Bursaphelenchus xylophilus(BURSXY)
Analytical sensitivity	
What is smallest amount of target that can be detected reliably?	2 nematodes (1 male and 1 female)
Diagnostic sensitivity	
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
Analytical specificity - inclusivity	
Number of strains/populations of target organisms tested	2 populations of Bursaphelenchus xylophilus
Specificity value	1
Analytical specificity - exclusivity	
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	
Cross reacts with	
Diagnostic Specificity	
Proportion of uninfected/uninfested samples (true negatives) testing negative compared to results from a standard test	Not evaluated
Specify the test(s)	
Reproducibility	
Provide the calculated % of agreement for a given level of the pest (see PM 7/98)	100% (30 slides , 2 operators)
Repeatability	
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
Test performance study	
Test performance study?	no
Brief details of the test performance study and its output.It available, link to published article/report	
Other information	

Any other information considered useful

The full report is available upon request to the laboratory

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