

**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>	Anses Plant Health Laboratory - Nematology Unit Domaine de la Motte au Viconte BP 35327, 35653 Le Rheu, France
<b>Short description of the test</b>	Morphological identification of <i>Bursaphelenchus xylophilus</i>
<b>Date, reference of the validation report</b>	2011-05-01 - Evaluation de la méthode d'identification morphologique de <i>Bursaphelenchus xylophilus</i>
<b>Validation process according to EPPO Standard PM7/98?</b>	yes
<b>Is the lab accredited for this test?</b>	no
<b>Was the validated data generated in the framework of a project?</b>	
<b>Description of the test</b>	
<b>Organism(s)</b>	<i>Bursaphelenchus xylophilus</i> (BURSXY)
<b>Detection / identification</b>	identification
<b>Method(s)</b>	Morphological
<b>Method: Morphological</b>	
<b>Reference of the test description</b>	
<b>As or adapted from an EPPO diagnostic protocol</b>	yes
<b>EPPO Diagnostic Protocol name</b>	PM 7/004 <i>Bursaphelenchus xylophilus</i> (version 2)
<b>Is the test modified compared to the reference test</b>	yes Modified see full report
<b>Other information</b>	
<b>Other details on the test</b>	Table 2
<b>Are the performance characteristics included in the EPPO diagnostic protocol?</b>	no
<b>Performance Criteria :</b>	
<b>Organism 1.:</b>	<b><i>Bursaphelenchus xylophilus</i>(BURSXY)</b>
<b>Analytical sensitivity</b>	
<b>What is smallest amount of target that can be detected reliably?</b>	2 nematodes (1 male and 1 female)

<b><u>Diagnostic sensitivity</u></b>	
<b>Proportion of infected/infested samples tested positive compared to results from the standard test, see appendix 2 of PM 7/98</b>	Not evaluated
<b>Standard test(s)</b>	Not relevant
<b><u>Analytical specificity - inclusivity</u></b>	
<b>Number of strains/populations of target organisms tested</b>	2 populations of Bursaphelenchus xylophilus
<b>Specificity value</b>	1
<b><u>Analytical specificity - exclusivity</u></b>	
<b>Number of non-target organisms tested</b>	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
<b>Specificity value</b>	
<b><u>Diagnostic Specificity</u></b>	
<b>Proportion of uninfected/uninfested samples (true negatives) testing negative compared to results from a standard test</b>	Not evaluated
<b><u>Reproducibility</u></b>	
<b>Provide the calculated % of agreement for a given level of the pest (see PM 7/98)</b>	100% (30 slides , 2 operators)
<b><u>Repeatability</u></b>	
<b>Provide the calculated % of agreement for a given level of the pest (see PM 7/98)</b>	100 % at group identification level 100% at species identification level
<b><u>Test performance study</u></b>	
<b>Test performance study?</b>	no
<b><u>Other information</u></b>	
<b>Any other information considered useful</b>	The full report is available upon request to the laboratory

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