

**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	PCR detection of <i>Nacobbus aberrans</i>
Date, reference of the validation report	2009-01-19 - 09-juill
Validation process according to EPPO Standard PM7/98?	no
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>Nacobbus aberrans</i> (NACOBA)
Detection / identification	detection
Matrix(ces) tested	Specimen Isolated nematodes
Plant species tested	
Method(s)	Molecular Extraction DNA RNA Molecular Conventional PCR
Method: Molecular Extraction DNA RNA	
Reference of the test description	
As or adapted from an EPPO diagnostic protocol	
New test being considered for inclusion in the next version of the EPPO diagnostic protocol?	
As or adapted from an IPPC diagnostic protocol	
Is the test modified compared to the reference test	
Kit	
Is a kit used	
Other information	
Other details on the test	

Method: Molecular Conventional PCR	
Reference of the test description	
As or adapted from an EPPD diagnostic protocol	yes
New test being considered for inclusion in the next version of the EPPD diagnostic protocol?	
EPPD Diagnostic Protocol name	PM 7/005 Nacobbus aberrans sensu lato (version 2)
Name of the test	Species-specific PCR protocol (Atkins et al., 2005)
As or adapted from an IPPC diagnostic protocol	
Is the test modified compared to the reference test	
Kit	
Is a kit used	
Other information	
Reaction type	
Other details on the test	When the validation data were produced, the test was not yet published in EPPD DP.
Are the performance characteristics included in the EPPD diagnostic protocol?	no
Performance Criteria :	
Organism 1.:	Nacobbus aberrans(NACOBA)
Analytical sensitivity	
What is smallest amount of target that can be detected reliably?	Not evaluated
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	8
Specificity value	
Analytical specificity - exclusivity	
Number of non-target organisms tested	10
Specificity value	specificity value : 70%
Cross reacts with	Pratylenchus crenatus Globodera rostochiensis Hirschmanniella sp.

Diagnostic Specificity	
Proportion of uninfected/uninfested samples (true negatives) testing negative compared to results from a standard test	
Specify the test(s)	
Reproducibility	
Provide the calculated % of agreement for a given level of the pest (see PM 7/98)	Not evaluated
Repeatability	
Provide the calculated % of agreement for a given level of the pest (see PM 7/98)	Not evaluated
Test performance study	
Test performance study?	no
Brief details of the test performance study and its output. If available, link to published article/report	
Other information	
Any other information considered useful	The specificity evaluation was conducted to define if other performance criteria should be evaluated. As the specificity is not good enough, the other criteria were not evaluated.
The following complementary files are available online:	<ul style="list-style-type: none"> • Validation data populations set Nacobbus aberrans Atkins

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