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	Identification of meloidogyne enterolobii by SCAR PCR
Date, reference of the validation report	2011-11-25 - Validation report 11/02
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?	no
Description of the test	
Organism(s)	Meloidogyne enterolobii (MELGMY)
Detection / identification	identification
Matrix(ces) tested	Specimen Isolated nematodes
Method(s)	Molecular Conventional PCR
Method: Molecular Conventional PCR	
Reference of the test description	
As or adapted from an EPPO diagnostic protocol	yes
EPPO Diagnostic Protocol name	PM 7/103 Meloidogyne enterolobii (version 2)
Name of the test	Conventional PCR (Tigano et al. 2010)
As or adapted from an IPPC diagnostic protocol	no
Other information	
Other details on the test	Species specific SCAR PCR
Are the performance characteristics included in the EPPO diagnostic protocol?	**no**
Performance Criteria :	
Organism 1.:	**Meloidogyne enterolobii(MELGMY)**
<u>Analytical sensitivity</u>	

What is the smallest amount of target that can be detected reliably?	5 J2
Analytical specificity - inclusivity	
Number of strains/populations of target organisms tested	4 populations of M. enterolobii
Specificity value	100%
Analytical specificity - exclusivity	
Number of non-target organisms tested	28 nematodes populations
Specificity value	100% - no cross reactions
Reproducibility	
Provide the calculated % of agreement for a given level of the pest (see PM 7/98)	100% (for 5 J2)
Repeatability	
Provide the calculated % of agreement for a given level of the pest (see PM 7/98)	100% (for 5 J2)
Test performance study	
Test performance study?	no
Other information	
Any other information considered useful	Test evaluated by other teams but with mix and amplification conditions different from the article. These teams got better sensitivity.
The following complementary files are available online:	• Validation report ref 11/02

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