

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 Heterodera glycines by PCR-RFLP
Date, reference of the validation report	2010-07-07 - Report 10/02
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?	
Description of the test	
Organism(s)	Heterodera glycines (HETDGL)
Detection / identification	identification
Matrix(ces) tested	Specimen isolated nematodes: one cyst per species
Method(s)	Molecular PCR-RFLP
Method: Molecular PCR-RFLP	
Reference of the test description	
As or adapted from an EPPO diagnostic protocol	yes
EPPO Diagnostic Protocol name	PM 7/089 Heterodera glycines (version 1)
Name of the test	PCR-ITS-RFLP test (Subbotin et al., 2000)
Is the test modified compared to the reference test	no
Other information	
Other details on the test	X PCR-RFLP with restriction enzyme Aval
Are the performance characteristics included in the EPPO diagnostic protocol?	no
Performance Criteria :	
Organism 1.:	Heterodera glycines(HETDGL)
Analytical specificity - inclusivity	
Number of strains/populations of target organisms tested	1

Specificity value	not calculated
Analytical specificity - exclusivity	
Number of non-target organisms tested	19
Specificity value	Cross reactions with H. betae/trifolii, H. schachtii (3 populations), H. ciceri (all belonging to the Schachtii group which also includes H. glycines)
Cross-reacts with	Heterodera betae Heterodera schachtii Heterodera ciceri
Test performance study	
Test performance study?	no
Other information	
Any other information considered useful	As long as the specificity of the test was not sufficient, the other performance criteria were not evaluated
The following complementary files are available online:	<ul style="list-style-type: none"> • Populations list and results for eva

Creation date: 2015-05-10 00:00:00 - Last update: 2021-05-20 15:33:59