

**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>	Identification of <i>Heterodera glycines</i>
<b>Date, reference of the validation report</b>	2010-07-07 - Report 10/02
<b>Validation process according to EPPO Standard PM7/98?</b>	no
<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>Heterodera glycines</i> (HETDGL)
<b>Detection / identification</b>	identification
<b>Method(s)</b>	Molecular Conventional PCR
<b>Method: Molecular Conventional PCR</b>	
<b>Reference of the test description</b>	
<b>As or adapted from an EPPO diagnostic protocol</b>	no
<b>As or adapted from an IPPC diagnostic protocol</b>	no
<b>Reference of the test</b>	OU S., PENG D., LIU X., LI Y., MOENS M. (2008). Identification of <i>Heterodera glycines</i> using PCR with sequence characterised amplified region (SCAR) primers. <i>Nematology</i> , 10(3), 397-403.
<b>Other information</b>	
<b>Reaction type</b>	Duplex
<b>Other details on the test</b>	Species specific PCR in duplex with universal primers (SCNFI-SCNRI + D2A-D3B)
<b>Are the performance characteristics included in the EPPO diagnostic protocol?</b>	no
<b>Performance Criteria :</b>	
<b>Organism 1.:</b>	<b><i>Heterodera glycines</i>(HETDGL)</b>
<b>Analytical specificity - inclusivity</b>	

<b>Number of strains/populations of target organisms tested</b>	1
<b>Specificity value</b>	not calculated
<b>Analytical specificity - exclusivity</b>	
<b>Number of non-target organisms tested</b>	13
<b>Specificity value</b>	Cross reactions observed with H. schachtii, H. betae/trifolii and H. ciceri (all belonging to the Schachtii group which includes H. glycines)
<b>Cross reacts with</b>	Heterodera schachtii Heterodera betae Heterodera ciceri
<b>Test performance study</b>	
<b>Test performance study?</b>	no
<b>Other information</b>	
<b>Any other information considered useful</b>	As the analytical specificity was not sufficient, the other performance criteria were not evaluated.
The following complementary files are available online:	<ul style="list-style-type: none"> <li>• <a href="#">Populations list and results_Ou et al 2008</a></li> </ul>

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