

**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>	ILVO Institute for Agricultural and Fisheries Research Burg. Van Gansberghelaan 96, 9820 Merelbeke - Melle, Belgium
<b>Short description of the test</b>	Identification of <i>Meloidogyne chitwoodi</i> by PCR
<b>Date, reference of the validation report</b>	2012-01-01 - F16_N10
<b>Validation process according to EPPO Standard PM7/98?</b>	yes
<b>Is the lab accredited for this test?</b>	yes
<b>Was the validated data generated in the framework of a project?</b>	
<b>Description of the test</b>	
<b>Organism(s)</b>	<i>Meloidogyne chitwoodi</i> (MELGCH)
<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>	yes
<b>EPPO Diagnostic Protocol name</b>	PM 7/041 <i>Meloidogyne chitwoodi</i> and <i>M. fallax</i> (version 3)
<b>Name of the test</b>	PCR Wishart et al. 2002
<b>Is the test modified compared to the reference test</b>	yes concentration of products slightly different
<b>Other information</b>	
<b>Other details on the test</b>	species specific PCR (IGS region)
<b>Are the performance characteristics included in the EPPO diagnostic protocol?</b>	no
<b>Performance Criteria :</b>	
<b>Organism 1.:</b>	<b><i>Meloidogyne chitwoodi</i>(MELGCH)</b>
<b>Analytical sensitivity</b>	
<b>What is smallest amount of target that can be</b>	2 juveniles: 100 % detection, 1 juvenile : 90%

<b>detected reliably?</b>	detection
<b>Analytical specificity - exclusivity</b>	
<b>Number of non-target organisms tested</b>	1 population of M. minor, 1 population of M. naasi, 2 populations of M. enterolobii, 1 population of M. javanica
<b>Specificity value</b>	100%
<b>Reproducibility</b>	
<b>Provide the calculated % of agreement for a given level of the pest (see PM 7/98)</b>	100% for 2 juveniles
<b>Repeatability</b>	
<b>Provide the calculated % of agreement for a given level of the pest (see PM 7/98)</b>	100% for 2 juveniles
<b>Test performance study</b>	
<b>Test performance study?</b>	no

Creation date: 2018-02-22 00:00:00 - Last update: 2021-05-20 17:48:18