

**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>	Method for the Extraction of all stages of <i>Nacobbus aberrans</i> , from Potato Peels by Enzymatic Digestion
<b>Date, reference of the validation report</b>	2025-12-12 - Method for the extraction of <i>Nacobbus aberrans</i> from potato peels by enzymatic digestion (Version 1)
<b>Validation process according to EPPO Standard PM7/98?</b>	no
<b>Is the lab accredited for this test?</b>	yes
<b>Was the validated data generated in the framework of a project?</b>	Euphresco
<b>If yes, please specify</b>	EU-funded project EURLs-EURCs 2025-2027. Grant number: 101202127
<b>Description of the test</b>	
<b>Organism(s)</b>	<i>Nacobbus aberrans</i> sensu lato (NACOBA)
<b>Detection / identification</b>	detection
<b>Method(s)</b>	Extraction
<b>Method: Extraction</b>	
<b>Reference of the test description</b>	
<b>As or adapted from an EPPO diagnostic protocol</b>	yes
<b>New test being considered for inclusion in the next version of the EPPO diagnostic protocol?</b>	yes
<b>EPPO Diagnostic Protocol name</b>	PM 7/119 Nematode extraction (version 1)
<b>Name of the test</b>	Enzymatic digestion of roots and potato peels (from plant material and vectors)
<b>As or adapted from an IPPC diagnostic protocol</b>	no
<b>Is the test modified compared to the reference test</b>	no
<b>Other information</b>	

<b>Other details on the test</b>	This test is already described in the PM 7/119 (Version 1) but only for Meloidogyne spp. Here the method was tested on Nacobbus aberrans. The enzymes used in this validation were at a ratio of 30% Celluclast, 15% Pectinex, and 55% water. Incubation was at room temperature for at least 12 hours at 100rpm on an orbital shaker.
<b>Performance Criteria :</b>	
<b>Organism 1.:</b>	<b>Nacobbus aberrans sensu lato(NACOBA)</b>
<b><u>Diagnostic sensitivity</u></b>	
<b>Proportion of infected/infested samples tested positive compared to results from the standard test, see appendix 2 of PM 7/98</b>	100%
<b>Standard test(s)</b>	The target species was detected in all inoculated samples.
<b><u>Analytical specificity - inclusivity</u></b>	
<b>Number of strains/populations of target organisms tested</b>	Nacobbus aberrans s.l. (internal population number: 1-1088)
<b>Specificity value</b>	
<b>Test performance study</b>	
<b>Test performance study?</b>	no
<b>Other information</b>	
<b>Any other information considered useful</b>	The full description of the validation of this method is available in the following report: European Union Reference Laboratory for Plant Parasitic Nematodes. (2025). Method for the extraction of Nacobbus aberrans from potato peels by enzymatic digestion (Version 1). Zenodo. <a href="https://doi.org/10.5281/zenodo.18174777">https://doi.org/10.5281/zenodo.18174777</a>

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