

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	National Phytosanitary Laboratory Lielvarde 36, 1006 Riga, Latvia
Short description of the test	Identification of <i>Liriomyza huidobrensis</i> by morphological method
Date, reference of the validation report	2009-04-14 -
Validation process according to EPPO Standard PM7/98?	no
Is the lab accredited for this test?	yes
Was the validated data generated in the framework of a project?	
Description of the test	
Organism(s)	<i>Liriomyza huidobrensis</i> (LIRIHU)
Detection / identification	identification
Method(s)	Extraction Morphological
Method: Extraction	
Reference of the test description	
Other information	
Other details on the test	Visual inspection of the sticky traps, plants, parts of the plants, isolated insects with stereomicroscope
Method: Morphological	
Reference of the test description	
As or adapted from an EPPO diagnostic protocol	yes
EPPO Diagnostic Protocol name	PM 7/053 <i>Liriomyza</i> spp. (version 1)
Name of the test	Morphological identification
Is the test modified compared to the reference test	no
Other information	
Other details on the test	Morphological identification using stereomicroscope, biological microscope, reference material and checklist (IN.E.019) with most important morphological characters of the

	Liriomyza huidobrensis, same morphological characters as described in PM 7/53 (1)
Are the performance characteristics included in the EPPO diagnostic protocol?	no
Performance Criteria :	
Organism 1.:	Liriomyza huidobrensis(LIRIHU)
<u>Analytical sensitivity</u>	
What is smallest amount of target that can be detected reliably?	one adult male
<u>Diagnostic sensitivity</u>	
Proportion of infected/infested samples tested positive compared to results from the standard test, see appendix 2 of PM 7/98	Not done
<u>Diagnostic Specificity</u>	
Proportion of uninfected/uninfested samples (true negatives) testing negative compared to results from a standard test	Not done
<u>Reproducibility</u>	
Provide the calculated % of agreement for a given level of the pest (see PM 7/98)	100% (4 genitalia slides, each of them with one adult male genitalia of Liriomyza huidobrensis or Liriomyza bryoniae. 6 entomologists checked genital slides on six different days)
<u>Repeatability</u>	
Provide the calculated % of agreement for a given level of the pest (see PM 7/98)	100% (4 genitalia slides, each of them with one adult male genitalia of Liriomyza huidobrensis or Liriomyza bryoniae. 2 replicates of Liriomyza huidobrensis and 2 replacates of Liriomyza bryoniae)
<u>Test performance study</u>	
Test performance study?	yes
Brief details of the test performance study and its output.It available, link to published article/report	Interlaboratory comparison tests with Finland, Estonian, Lithuanian, Latvian entomologists. Each entomologist tested 4 genitalia slides of Liriomyza huidobrensis and Liriomyza bryoniae. Result: success rate 100%.

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