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 - Entomology and Invasive Plant Unit 755 avenue du Campus Agropolis CS30016, Fr-34988 Montferrier-sur-Lez cedex, France
Short description of the test	Identification of Liriomyza bryoniae, L. sativae and L. trifolii specimens by Sanger sequencing
Date, reference of the validation report	2026-06-29 - Val-2502918_1A; Val-2600301_1A; Val-2001003_1A
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?	no
Description of the test	
Organism(s)	Liriomyza sativae (LIRISA) Liriomyza trifolii (LIRITR) Liriomyza bryoniae (LIRIBO)
Detection / identification	identification
Matrix(ces) tested	Specimen
Method(s)	Molecular Extraction DNA RNA Molecular Sanger seq
Method: Molecular Extraction DNA RNA	
Reference of the test description	
As or adapted from an EPPO diagnostic protocol	yes
Kit	
Is a kit used	yes
Manufacturer name	QIAGEN
Specify the kit used	DNeasy Blood & Tissue Kits
Kit used following the manufacturer's instructions?	
Other information	
Method: Molecular Sanger seq	
Reference of the test description	

As or adapted from an EPPO diagnostic protocol	yes
Other information	
Other details on the test	COI - Conventional PCR adapted from Germain et al. (2013).
Are the performance characteristics included in the EPPO diagnostic protocol?	**no**
Performance Criteria :	
Organism 1.:	**Liriomyza sativae(LIRISA)**
Analytical sensitivity	
What is the smallest amount of target that can be detected reliably?	See EPPO PM7/129
Analytical specificity - inclusivity	
Number of strains/populations of target organisms tested	See added identification report
Specificity value	
Analytical specificity - exclusivity	
Number of non-target organisms tested	See added identification report
Specificity value	
Cross-reacts with	
Organism 2.:	**Liriomyza trifolii(LIRITR)**
Analytical sensitivity	
What is the smallest amount of target that can be detected reliably?	See EPPO PM7/129
Analytical specificity - inclusivity	
Number of strains/populations of target organisms tested	See added identification report
Specificity value	
Analytical specificity - exclusivity	
Number of non-target organisms tested	See added identification report
Specificity value	
Cross-reacts with	
Organism 3.:	**Liriomyza bryoniae(LIRIBO)**
Analytical sensitivity	
What is the smallest amount of target that can be detected reliably?	See EPPO PM7/129
Analytical specificity - inclusivity	
Number of strains/populations of target organisms tested	See added identification report
Specificity value	

Analytical specificity - exclusivity	
Number of non-target organisms tested	See added identification report
Specificity value	
Cross-reacts with	
Test performance study	
Test performance study?	no
The following complementary files are available online:	• Val-2001003_1A_Identification report_Liriomyza bryoniae • Val-2600301_1A_Identification report_Liriomyza sativae • Val-2502918_1A_Identification report_Liriomyza trifolii

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