

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 <i>Anastrepha ludens</i> specimens by Sanger sequencing
Date, reference of the validation report	2026-06-25 - Val-2200129_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)	Anastrepha ludens (ANSTLU)
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
New test being considered for inclusion in the next version of the 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
New test being considered for inclusion in the next version of the EPPO diagnostic protocol?	yes
<i>Other information</i>	
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.:	Anastrepha ludens(ANSTLU)
<u>Analytical sensitivity</u>	
What is the smallest amount of target that can be detected reliably?	See EPPO PM7/129
<u>Analytical specificity - inclusivity</u>	
Number of strains/populations of target organisms tested	See added identification report
Specificity value	
<u>Analytical specificity - exclusivity</u>	
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-2200129_1A_Identification report_Anastrepha ludens

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