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	Bacteriology. Instituto Valenciano de Investigaciones Agrarias CV-315, km. 10.7, 46113 Moncada, Spain
Short description of the test	Evaluation of molecular methods for the detection of Xylella fastidiosa
Date, reference of the validation report	2021-03-08 - EU-XF-IC-2020-03
Validation process according to EPPO Standard PM7/98?	yes
Is the lab accredited for this test?	no
Was the validated data generated in the framework of a project?	Other_project
If yes, please specify	XF-ACTORS
Description of the test	
Organism(s)	Xylella fastidiosa (XYLEFA)
Detection / identification	detection
Method(s)	Molecular Extraction DNA RNA Molecular real time PCR
Method: Molecular Extraction DNA RNA	
Reference of the test description	
Other information	
Method: Molecular real time PCR	
Reference of the test description	
Other information	
Performance Criteria :	
Organism 1.:	**Xylella fastidiosa(XYLEFA)**
Test performance study	
Test performance study?	yes
Brief details of the test performance study and its output.It available, link to published article/report	This interlaboratory comparison was developed for the identification of X. fastidiosa in plants and insects by comparing different procedures of DNA extractions followed by qPCR using the primers/TaqMan probe described by Harper et al. (2010), and had two main scopes: - A test

	performance study (TPS) to assess the performance of a fully automatized DNA extraction protocol by Promega (Maxwell® RSC PureFood GMO and Authentication Kit AS1600 - based on magnetic beads and without chloroform treatment) in comparison with the procedures previously validated (CTAB and Modified DNeasy MericonTM Food Standard Protocol - Qiagen) and described in the EPPO diagnostic standard 7/24 (4). The TPS was performed on plant and insect samples. - A laboratory proficiency test (PT) to assess the efficiency of different laboratories performing molecular detection of X. fastidiosa.
The following complementary files are available online:	• Evaluation of molecular methods for the detection of Xylella fastidiosa

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