

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

	<p>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 Mericon™ 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 <i>X. fastidiosa</i>.</p>
The following complementary files are available online:	<ul style="list-style-type: none"> <li>• <a href="#">Evaluation of molecular methods for the detection of <i>Xylella fastidiosa</i></a></li> </ul>

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