

**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>	Netherlands Institute for Vectors, Invasive plants and Plant health P.O. Box 9102, 6700 HC Wageningen, Netherlands
<b>Short description of the test</b>	detection of <i>Monilinia fructicola</i> in fruits by real-time PCR
<b>Date, reference of the validation report</b>	2010-12-07 - MOVA no. 2006.molbio.001
<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>	
<b>Description of the test</b>	
<b>Organism(s)</b>	<i>Monilinia fructicola</i> (MONIFC)
<b>Detection / identification</b>	detection
<b>Method(s)</b>	Molecular real time PCR
<b>Method: Molecular real time PCR</b>	
<b>Reference of the test description</b>	
<b>As or adapted from an EPPO diagnostic protocol</b>	yes
<b>EPPO Diagnostic Protocol name</b>	PM 7/018 <i>Monilinia fructicola</i> (version 2)
<b>Name of the test</b>	Real-time PCR (van Brouwershaven et al.)
<b>Is the test modified compared to the reference test</b>	no
<b>Other information</b>	
<b>Other details on the test</b>	IR van Brouwershaven, ML Bruil, GCM van Leeuwen, LFF Kox 2010. A real-time (Taqman) PCR assay to differentiate <i>Monilinia fructicola</i> from other brown rot fungi of fruit crops. Plant Pathology 59, 548-555
<b>Are the performance characteristics included in the EPPO diagnostic protocol?</b>	no
<b>Performance Criteria :</b>	
<b>Organism 1.:</b>	<b><i>Monilinia fructicola</i>(MONIFC)</b>

<b>Analytical sensitivity</b>	
<b>What is smallest amount of target that can be detected reliably?</b>	0.6 pg of Monilinia spp. DNA
<b>Analytical specificity - inclusivity</b>	
<b>Number of strains/populations of target organisms tested</b>	12 isolates of Monilinia fructicola
<b>Specificity value</b>	
<b>Analytical specificity - exclusivity</b>	
<b>Number of non-target organisms tested</b>	16 non-target orgaisms (incl. three other Monilinia spp)
<b>Specificity value</b>	no cross reaction observed
<b>Test performance study</b>	
<b>Test performance study?</b>	no

Creation date: 2012-11-28 00:00:00 - Last update: 2021-05-05 22:49:46