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OF THE STATE PLANT SERVICE UNDER THE MINISTRY OF AGRICULTURE**  
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**SCOPE OF ACCREDITATION  
(flexible)\***

Materials or products tested	Component, parameter or characteristic to be tested	Reference number of the document specifying test methods, clause (if relevant)	Techniques, methods and/or equipment used (where appropriate)	
Bacteria				
Plants	<i>Erwinia amylovora</i> (Burrill) Winslow <i>et al.</i>	EPPO PM 7/20, except Appendices 3, 6-15	Enrichment isolation	
		EPPO PM 7/20, except Appendices 1-5, 7-11, 14, 15	Real-time PCR	
	<i>Ralstonia solanacearum</i> (Smith) Yabuuchi <i>et al.</i>	Methods for diagnosis, detection and identification of <i>Ralstonia solanacearum</i> (Smith) Yabuuchi <i>et al.</i> Oder No. A1-092 approved by Head of the State Plant Protection on 3 April 2007 (Commission Directive 2006/63/EC**)		
		Section VI, Part A, 4 cl., Appendices 2, 3	Selective isolation	
		Section VI, Part A, 9 cl., Appendices 3, 4, 8	Bioassay	
		Section VI, Part A, 5 cl., Appendices 3, 4, 5	Immunofluorescence (IF) test (hereinafter - IF)	
		Section VI, Part C, Appendices 3, 4, 8	Pathogenicity test	
		Section VI, Part A, 6 cl., Appendix 6	PCR	
Plants	<i>Clavibacter michiganensis</i> (Smith) Davis <i>et al.</i> subsp. <i>sepedonicus</i> (Spieckermann <i>et</i> Kotthoff) Davis <i>et al.</i>	Methods for diagnosis, detection and identification of the ring rot bacterium, <i>Clavibacter michiganensis</i> (Smith) Davis <i>et al.</i> ssp. <i>sepedonicus</i> (Spieckermann <i>et</i> Kotthoff) Davis <i>et al.</i> Oder No. A1-091 approved by Head of the State Plant Protection Service on 3 April 2007		

Materials or products tested	Component, parameter or characteristic to be tested	Reference number of the document specifying test methods, clause (if relevant)	Techniques, methods and/or equipment used (where appropriate)
Plants	<i>Clavibacter michiganensis</i> (Smith) Davis et al. subsp. <i>sepedonicus</i> (Spieckermann et Kotthoff) Davis et al.	(Commission Directive 2006/56/EC**)	
		Section 4, Appendices 2, 3, 4	IF
		Section 7, Appendices 3, 8	Bioassay
		Section 8, Appendix 5	Selective isolation
		Section 10, Appendices 3, 8	Pathogenicity test
	Section 6, Appendix 6	PCR	
	<i>Xylella fastidiosa</i> (Wells et al.)	EPPO PM 7/24, except Appendices 1, 2, 4, 6 - 11, 13- 19	Real-time PCR
Pests: extracts	<i>Ralstonia solanacearum</i> (Smith) Yabuuchi et al.	Methods for diagnosis, detection and identification of <i>Ralstonia solanacearum</i> (Smith) Yabuuchi et al. Oder No. A1-092 approved by Head of the State Plant Protection on 3 April 2007 (Commission Directive 2006/63/EC)	
		Section VI, Part A, 5 cl., Appendices 3, 4, 5	IF
		Section VI, Part A, 9 cl., Appendices 3, 4, 8	Bioassay
		Section VI, Part A, 6 cl., Appendix 6	PCR
	<i>Clavibacter michiganensis</i> (Smith) Davis et al. subsp. <i>sepedonicus</i> (Spieckermann et Kotthoff) Davis et al.	Methods for diagnosis, detection and identification of the ring rot bacterium, <i>Clavibacter michiganensis</i> (Smith) Davis et al. ssp. <i>sepedonicus</i> (Spieckermann et Kotthoff) Davis et al. Oder No. A1-091 approved by Head of the State Plant Protection Service on 3 April 2007 (Commission Directive 2006/56/EC)	
		Section 4, Appendices 2, 3, 4	IF

Materials or products tested	Component, parameter or characteristic to be tested	Reference number of the document specifying test methods, clause (if relevant)	Techniques, methods and/or equipment used (where appropriate)
Pests: extracts	<i>Clavibacter michiganensis</i> (Smith) Davis <i>et al.</i> subsp. <i>sepedonicus</i> (Spieckermann <i>et</i> Kotthoff) Davis <i>et al.</i>	Section 7, Appendices 3, 8	Bioassay
		Section 6, Appendix 6	PCR
	<i>Xylella fastidiosa</i> (Wells <i>et al.</i> )	EPPO PM 7/24, except Appendices 1, 2, 4, 6 - 11, 13 - 19	Real-time PCR
Pests: bacterial cultures, bacterial suspension	<i>Ralstonia solanacearum</i> (Smith) Yabuuchi <i>et al.</i>	Methods for diagnosis, detection and identification of <i>Ralstonia solanacearum</i> (Smith) Yabuuchi <i>et al.</i> Oder No. A1-092 approved by Head of the State Plant Protection on 3 April 2007 (Commission Directive 2006/63/EC)	
		Section VI, Part A, 4 cl., Appendices 2, 3	Selective isolation
		Section VI, Part A, 5 cl., Appendices 3, 4, 5	IF
		Section VI, Part C, Appendices 3, 4, 8	Pathogenicity test
		Section VI, Part A, 6 cl., Appendix 6	PCR
	<i>Clavibacter michiganensis</i> (Smith) Davis <i>et al.</i> subsp. <i>sepedonicus</i> (Spieckermann <i>et</i> Kotthoff) Davis <i>et al.</i>	Methods for diagnosis, detection and identification of the ring rot bacterium, <i>Clavibacter michiganensis</i> (Smith) Davis <i>et al.</i> ssp. <i>sepedonicus</i> (Spieckermann <i>et</i> Kotthoff) Davis <i>et al.</i> Oder No. A1-091 approved by Head of the State Plant Protection Service on 3 April 2007 (Commission Directive 2006/56/EC)	
		Section 4, Appendices 2, 3, 4	IF
		Section 8, Appendix 5	Selective isolation
		Section 10, Appendices 3, 8	Pathogenicity test
		Section 6, Appendix 6	PCR

<b>Materials or products tested</b>	<b>Component, parameter or characteristic to be tested</b>	<b>Reference number of the document specifying test methods, clause (if relevant)</b>	<b>Techniques, methods and/or equipment used (where appropriate)</b>
Pests: extracts and bacterial cultures	<i>Erwinia amylovora</i> (Burrill) Winslow <i>et al.</i>	EPPO PM 7/20, except Appendices 1-5, 7-11, 14, 15	Real-time PCR
		EPPO PM 7/20, except Appendices 3, 6-15	Enrichment isolation
Other objects: water	<i>Ralstonia solanacearum</i> (Smith) Yabuuchi <i>et al.</i>	Methods for diagnosis, detection and identification of <i>Ralstonia solanacearum</i> (Smith) Yabuuchi <i>et al.</i> Oder No. A1-092 approved by Head of the State Plant Protection on 3 April 2007 (Commission Directive 2006/63/EC) Section VI, Part A, 4 cl., Appendices 2, 3	Selective isolation
Fungi and oomycetes			
Plants	<i>Fusarium circinatum</i> Nirenberg & O'Donnell (sin. <i>Gibberella circinata</i> Nirenberg & O'Donnell <i>ex</i> Britz, T. A. Cout., M. J. Wingf. & Marasas)	EPPO PM 7/91, except Appendices 2, 3, 4, 5 and 6	Isolation on culture media, morphological
		EPPO PM 7/91, 4.2 cl., Appendices 2, 5	Real-time PCR
	<i>Phytophthora ramorum</i> Werres, De Cock & Man in 't Veld	EPPO PM 7/66, except Appendices 3, 4, 5 and 6	Isolation on culture media, morphological (morphometric)
Pests: fungal cultures	<i>Fusarium circinatum</i> Nirenberg & O'Donnell (sin. <i>Gibberella circinata</i> Nirenberg & O'Donnell <i>ex</i> Britz, T. A. Cout., M. J. Wingf. & Marasas)	EPPO PM 7/91, except Appendices 2, 3, 4, 5 and 6	Isolation on culture media, morphological
		EPPO PM 7/91, 4.2 cl., Appendices 2, 5	Real-time PCR
	<i>Synchytrium endobioticum</i> (Schilb.) Percival	EPPO PM 7/28, except Appendices 2, 3, 4, 5 and 6	Extraction and morphological (morphometric)
	<i>Phytophthora ramorum</i> Werres, De Cock & Man in 't Veld	EPPO PM 7/66, except Appendices 3, 4, 5 and 6	Isolation on culture media, morphological (morphometric)

<b>Materials or products tested</b>	<b>Component, parameter or characteristic to be tested</b>	<b>Reference number of the document specifying test methods, clause (if relevant)</b>	<b>Techniques, methods and/or equipment used (where appropriate)</b>
Pests: extracts	<i>Fusarium circinatum</i> Nirenberg & O'Donnell (sin. <i>Gibberella circinata</i> Nirenberg & O'Donnell ex Britz, T. A. Cout., M. J. Wingf. & Marasas)	EPPO PM 7/91, 4.2 cl., Appendices 2, 5	Real-time PCR
Other objects: growing medium	<i>Synchytrium endobioticum</i> (Schilb.) Percival	EPPO PM 7/28, except Appendices 2, 3, 4, 5 and 6	Extraction and morphological (morphometric)
<b>Nematodes</b>			
Plant products	<i>Bursaphelenchus xylophilus</i> (Steiner et Buhner) Nickle <i>et al.</i>	EPPO PM 7/4, except Appendices 1, 2	Real-time PCR
Pests: nematodes		EPPO PM 7/4, except Appendices 1, 2	Real-time PCR
Pests: extracts		EPPO PM 7/4, except Appendices 1, 2	Real-time PCR
Other objects: growing medium	<i>Globodera</i> spp.	EPPO PM 7/119, 4 and 4.3 cl.	Flotation and visual
Other objects: growing medium	<i>Globodera rostochiensis</i> (Wollenweber, 1923), Skarbilovich, 1959.	EPPO PM 7/40, 4 and 4.1 cl.	Morphological-morphometric
Pests: nematodes			
<b>Insects</b>			
Pests: insects	<i>Spodoptera frugiperda</i> (J. E. Smith, 1797)	EPPO PM 7/124, 4.1.4.5. cl., Appendices 2, 3	Morphological
		EPPO PM 7/124, 4.2 cl., Appendix 4	Real-time PCR
Pests: extracts	<i>Spodoptera frugiperda</i> (J. E. Smith, 1797)	EPPO PM 7/124, 4.2 cl., Appendix 4	
<b>Viruses and phytoplasmas</b>			
Plants	<i>Plum pox potyvirus</i>	EPPO PM 7/32, except Appendix 3	DAS-ELISA
	<i>Grapevine flavescence doree phytoplasma</i>	EPPO PM 7/79, except Appendices 2, 4, 5 and 6	PCR
Pests: extracts	<i>Grapevine flavescence doree phytoplasma</i>	EPPO PM 7/79, except Appendices 2, 4, 5 and 6	PCR

\*Defined and applicable for the whole accreditation scope following degrees of flexibility:

- application of the updated documents of test methods already covered by accreditation or replacing them;
- application of the test method already covered by accreditation to the new materials/products;
- application of the method covered by the accreditation for the new determination of component/parameters/characteristic.

\*\*Commission Directive 2006/63/CE of 14 July 2006 amending Annexes II to VII to Council Directive 98/57/EC on the control of *Ralstonia solanacearum* (Smith) Yabuuchi et al. The provisions of the Directive are implemented in national legislation.

\*\*\*Commission Directive 2006/56/EC of 12 June 2006 amending the Annexes to Council Directive 93/85/EEC on the control of potato ring rot. The provisions of the Directive are implemented in in national legislation.

Actual scope of accreditation is published on the website [www.vatzum.lt](http://www.vatzum.lt).

Deputy director

Tadas Juodelis