


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

 <p>Accredited to ISO/IEC 17025:2005</p>	Public Health England, Food, Water and Environmental Microbiology Laboratory, Porton	
	Issue No: 028 Issue date: 24 August 2017	
Porton Down Salisbury Wiltshire SP4 0JG	Contact: Dr C Willis Tel: +44 (0) 1980 616766 Fax: +44 (0) 1980 616765 E-Mail: FWEPorton@phe.gov.uk or Caroline.Willis@phe.gov.uk Website: www.gov.uk/phe	
Testing performed at the above address only		

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
ENVIRONMENTAL SAMPLES	<u>Microbiological Tests</u> Airborne microbial load (aerobic colony count and moulds) Surface microbial contamination	Documented In-house Methods 1) POR/EM1 following sampling using an MAS-100 + Tryptone Soya Agar and DRBC plates 2) POR/EM4 using settle plates POR/EM4 using contact plates containing neutraliser
ENVIRONMENTAL SWABS AND FOOD and FOOD PRODUCTS (Unspecified)	<u>Microbiological Tests</u> Detection: <i>Campylobacter</i> spp., confirmed <i>Escherichia coli</i> O157, confirmed	Documented In-house Methods POR/F21, FW&E Standard Method, Issue 1, based on ISO 10272-1: 2006 and confirmation as either <i>C. jejuni</i> or <i>C.coli</i> by DNA detection using manual extraction and real-time PCR using method M3 or biochemical/serological confirmation for <i>Campylobacter</i> spp POR/F28, FW&E Standard Method, Issue 1, In house method using immunomagnetic separation and CT-SMAC with confirmation as <i>E.coli</i> O157:H7 and characterised as VT1 and/ or VT2 gene positive by DNA detection using manual extraction and real-time PCR using method M3 or <i>E coli</i> O157 using serological/ biochemical confirmations



Accredited to
ISO/IEC 17025:2005

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

Public Health England, Food, Water and Environmental Microbiology Laboratory, Porton

Issue No:028 Issue date: 24 August 2017

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
ENVIRONMENTAL SWABS AND FOOD and FOOD PRODUCTS (Unspecified) (cont'd)	<p><u>Microbiological Tests</u> (cont'd)</p> <p>Detection: (cont'd)</p> <p><i>Salmonella</i> spp., including serological identification to Group level</p> <p>Salmonella DNA</p> <p><i>Listeria</i> spp (including identification) and <i>Listeria monocytogenes</i></p> <p><i>Vibrio</i> spp and <i>Vibrio parahaemolyticus</i></p>	<p>Documented In-house Methods</p> <p>POR/F13, FW&E Standard Method, Issue 1 based on BS EN ISO 6579-1:2017 and confirmation as <i>Salmonella</i> spp by DNA detection using manual extraction and real-time PCR using method M3 or biochemical including API/ serological confirmations</p> <p>FPOS41 (POR F13) using FPOS163 (POR M2) Life Technologies MicroSEQ Real Time PCR</p> <p>POR/F19, FW&E Standard Method, Issue 1 based on BS EN ISO 11290-1:1996 + A1:2004 and confirmation as <i>Listeria</i> spp and/or <i>Listeria monocytogenes</i> by DNA detection using manual extraction and real-time PCR using method M3 or biochemical confirmation using API</p> <p>POR/F24 based on Section 6.15 - method 1 in "Practical Food Microbiology", 3rd Edition, Blackwell Publishing, Oxford, 2003 omitting 6h subculture and second isolation agar</p>
FOOD including SPROUTED SEEDS, and IRRIGATION WATERS	<p>Shiga toxin producing <i>E. coli</i> (STEC) DNA (presumptive)</p> <p>Enumeration:</p> <p>Aerobic colony count at 30°C</p>	<p>POR/M6 FW&E Standard Method, Issue 1 based on BS EN ISO 13136:2012 using automated Maxwell 16 extraction and Real Time PCR</p> <p>1) POR/F10 using spread or spiral plate based on ISO 4833-2: 2013</p> <p>2) POR/F9 by pour plate, based on ISO 4833-1: 2013</p>



Accredited to
ISO/IEC 17025:2005

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

Public Health England, Food, Water and Environmental Microbiology Laboratory, Porton

Issue No:028 Issue date: 24 August 2017

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
ENVIRONMENTAL SWABS AND FOOD and FOOD PRODUCTS (Unspecified) (cont'd)	<u>Microbiological Tests</u> (cont'd)	Documented In-house Methods
	Enumeration: (cont'd)	
	Presumptive and confirmed <i>Bacillus cereus</i> (and <i>Bacillus</i> spp recovered)	1) POR/F15 using spread or spiral plate based on ISO 7932:2004 2) POR/F15X using spread or spiral plate based on HPA SOP F15, issue 1, using PEMBA (based on withdrawn HPA standard method)
	<i>Campylobacter</i> spp	POR/F21 based on ISO 10272-2: 2006, via direct plating and with confirmation using Oxidase, Aerobic Growth Capability, Motility and Morphology
	<i>Clostridium perfringens</i>	POR/F14 based on BS EN ISO 7937: 2004
	<i>Escherichia coli</i> , (β-glucuronidase positive)	POR/F20 using spread or spiral plate on TBX agar at 30°C/4hrs and 44°C/24hrs
	<i>Escherichia coli</i> (β-glucuronidase positive)	POR/F22 by MPN, based on BS EN ISO 16649-3: 2015
	Enterobacteriaceae, presumptive and confirmed	POR/F23 by pour plate based on ISO 21528-2:2004
(includes Cloths; excludes dried foods and brine)	<i>Escherichia coli</i>	POR/F32a using MPN TEMPO method
(includes Cloths)	Enterobacteriaceae	POR/F32 using MPN TEMPO method
	<i>Listeria</i> spp (including identification) and <i>Listeria monocytogenes</i>	POR/F19 based on ISO 11290-2: 1998 + A1:2004 and confirmation as <i>Listeria</i> spp and/or <i>Listeria monocytogenes</i> by DNA detection using manual extraction and real-time PCR using method M3 or biochemical confirmation using API



Accredited to
ISO/IEC 17025:2005

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

Public Health England, Food, Water and Environmental Microbiology Laboratory, Porton

Issue No:028 Issue date: 24 August 2017

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
ENVIRONMENTAL SWABS AND FOOD and FOOD PRODUCTS (Unspecified) (cont'd)	<u>Microbiological Tests</u> (cont'd)	Documented In-house Methods
	Enumeration: (cont'd)	
	Coagulase positive Staphylococci	POR/F12 based on ISO 6888-1:1999 using DNase, latex agglutination and tube coagulase
	<i>Vibrio</i> spp and <i>Vibrio parahaemolyticus</i>	POR/F24, based on Section 6.15 - method 3 in "Practical Food Microbiology", 3 rd Edition, Blackwell Publishing, Oxford, 2003
SHELLFISH	Detection:	
	<i>Salmonella</i> spp	POR/F13 based on BS EN ISO 6579-1:2017 and confirmation as <i>Salmonella</i> spp by DNA detection using manual extraction and real-time PCR using method M3 or biochemical including API/ serological confirmations
	Enumeration:	
	<i>Escherichia coli</i>	POR/F16 based on Generic CEFAS Protocol, October 2016
MILK AND DAIRY PRODUCTS	<u>Chemical Analysis</u>	
	Phosphatase	POR/D7 based on ISO 11816-1: 2013
	<u>Microbiological Tests</u>	Documented In-house Methods
	Detection:	
	<i>Listeria</i> spp	POR/F19 based on ISO 11290-1: 1996
	<i>Salmonella</i> spp	POR/F13 based on BS EN ISO 6579-1:2017 and confirmation as <i>Salmonella</i> spp by DNA detection using manual extraction and real-time PCR using method M3 or biochemical including API/ serological confirmations



Accredited to
ISO/IEC 17025:2005

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

Public Health England, Food, Water and Environmental Microbiology Laboratory, Porton

Issue No:028 Issue date: 24 August 2017

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
MILK AND DAIRY PRODUCTS	<u>Microbiological Tests</u> Enumeration: Aerobic colony count at 30°C (plate count test) Detection: Coliforms, confirmed <i>Escherichia coli</i> (β-glucuronidase positive)	Documented In-house Methods POR/F9 by pour plate, based on ISO 4833-1: 2013 POR/D4 by colony count based on HPA SOP D4, issue 2 (based on withdrawn HPA standard method) POR/F22 by MPN based on BS EN ISO 16649-3: 2015
WATERS Drinking water, environmental (ground water, surface water, saline), process, recreational, treated sewage (including swabs, sediments and sludges) (including swabs, sediments and sludges) Drinking water, environmental (ground water, surface water, saline), process, recreational, treated sewage	<u>Microbiological Tests</u> Detection: <i>Legionella</i> spp Enumeration: <i>Legionella</i> spp <u>Microbiological Tests</u> Aerobic colony count at 22°C and 37°C	POR/W12 based on ISO 11731: 1998 / BS 6068-4.12:1998 POR/W12 based on ISO 11731: 1998 / BS 6068-4.12:1998 Documented In-house methods based on the Microbiology of Drinking Water (MDW), Environment Agency POR/W4 by pour plate based on MDW, Part 7:2012
Bathing waters and cooling towers	Aerobic colony count at 30°C	POR/W4 by pour plate using spread plates on YEA based on Microbiology of Drinking Water Part 7, 2012



Accredited to
ISO/IEC 17025:2005

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

Public Health England, Food, Water and Environmental Microbiology Laboratory, Porton

Issue No:028 Issue date: 24 August 2017

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
<p>WATERS (cont'd)</p> <p>Drinking water, environmental (ground water, surface water, saline), process, recreational, treated sewage (Cont'd)</p>	<p><u>Microbiological Tests</u> (cont'd)</p> <p>Presumptive and confirmed Coliforms</p> <p>Presumptive and confirmed <i>Escherichia coli</i></p> <p>Presumptive and confirmed Enterococci</p> <p><i>Pseudomonas aeruginosa</i></p> <p>Sulphite reducing clostridia and identification of <i>Clostridium perfringens</i></p> <p>Coliforms/<i>Escherichia coli</i></p>	<p>Documented In-house methods based on the Microbiology of Drinking Water (MDW), Environment Agency</p> <p>POR/W2 by membrane filtration, based on MDW, Part 4:2009</p> <p>POR/W2 by membrane filtration, based on MDW, Part 4:2009</p> <p>POR/W3 by membrane filtration, based on MDW, Part 5:2012</p> <p>POR/W6 by membrane filtration, based on MDW, Part 8:2010</p> <p>POR/W5 by membrane filtration, based on MDW, Part 6:2010</p> <p>POR/W18, MPN using the Colilert system, based on MDW, Part 4:2009</p>
<p>WATERS</p> <p>Endoscopy Waters</p>	<p><u>Microbiological Tests</u></p> <p>Aerobic colony count (mesophilic)</p>	<p>Documented In-house Methods</p> <p>POR/W22 using Tryptone Soya Agar at 30°C for 5 days in accordance with Choice Framework for Local Policy and Procedures (CFPP), 01-06, 2012</p>
END		