Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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



1591

Accredited to ISO/IEC 17025:2017

Public Health Wales, Microbiology Cardiff

Issue No: 057 Issue date: 06 February 2024

Department of Food, Water & Environmental
Llandough Hospital
Penlan Road

Penarth

CF64 2XX

Contact: Mr Paul Ellis Tel: +44 (0)292 071 5301

E-Mail: paul.ellis@wales.nhs.uk Website: www.publichealthwales.org/

www.iechydcyhoedduscymru.wales.nhs.uk

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
FOODS	Microbiological Tests * indicates examination performed under Food Standards Agency designation as an Official Laboratory in accordance with retained Regulation (EU) 2017/625 Detection:	Documented In-House Methods:
Ready to eat foods	*Campylobacter spp (thermophilic)	F080 based on BS EN ISO 10272- 1:2017 + A1:2023, Procedure A
FOODS	*Escherichia coli O157	F100 based on BS EN ISO 16654:2001 + A2:2023using immunomagnetic separation and Dynal bead retriever. Confirmation using Biomerieux API 20E and Prolab E.coli O157 latex
	*Listeria spp and species identification of Listeria monocytogenes	F060 based on BS EN ISO 11290-1:2017 with confirmation using Biomerieux API Listeria or using Real Time PCR using method F210 and Thermofisher Micro-SEQ kits and AB 7500 FAST Cycler.
FOODS (excluding shelled eggs)	*Salmonella spp	F031 based on BS EN ISO 6579-1:2017+A1:2020 Confirmation using Biomerieux API 20E and serology

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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
FOODS (cont'd)	Microbiological Tests (cont'd) Enumeration:	Documented In-House Methods: (cont'd)
	*Aerobic colony count (30 °C for 72 hour)	F011 based on BS EN ISO 4833-2:2013+A1:2022
	*Presumptive Bacillus cereus	F050 based on BS EN ISO 7932:2004+A1:2020
	*Clostridium perfringens	F070 based on BS EN ISO 7937:2004
	*Enterobacteriaceae	F111 based on BS EN ISO 21528-2:2017 using duplicate plating
		2) F110 based on BS EN ISO 21528-2:2017 using single plating
	*Escherichia coli ß-glucuronidase positive	F020 based on BS ISO 16649-2:2001
	*Coagulase positive staphylococci including Staphylococcus aureus	F041 based on BS EN ISO 6888-1:2021+ A1:2023 using single plating and confirmation with Dnase and tube coagulase
		2) F040 based on BS EN ISO 6888-1:2021+ A1:2023 using duplicate plating and confirmation with tube coagulase
	*Listeria spp and species identification of Listeria monocytogenes	F060 based on BS EN ISO 11290-2:2017 with confirmation using Biomerieux API Listeria or using Real Time PCR using method F210 and Thermofisher Micro-SEQ kits and AB 7500 FAST Cycler.

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MILKS	Microbiological Tests (cont'd)	Documented In-House Methods: (cont'd)
	Detection:	
	*Enterobacteriaceae	F160 based on
	Enumeration:	BS EN ISO 21528-1:2017
	*Enterobacteriaceae	F111 based on BS EN ISO 21528-2:2017 using duplicate plating at 37°C
WATERS	Microbiological Tests	Documented In-House Method
	Detection and Enumeration:	
Potable including natural water and non-potable including industrial water	Legionella spp and Legionella pneumophila serotypes 1-14	W080 based on BS EN ISO 11731:2017 using membrane filtration with heat and acid treatment and using BCYE and GVPC agars Identification using latex agglutination. [Matrix A, procedures 8,9 and 10. Media A and C]
Rinse water from washer disinfector machines	Aerobic colony count (30°C for 5 days)	W090 based on BS EN ISO 15883- 1:2009 + A1:2014
Dialysis water	Aerobic colony count (20°C for 7 days)	W100 based on BS EN ISO 23500-5:2019
WATERS Potable, including Bottled, Natural & Mineral; and non-potable, including surface waters, swimming pools, spas and jacuzzis	Microbiological Tests	Documented In-House Methods based on 'The Microbiology of Drinking Water, Environment Agency
opao ana jaouzzio	Detection:	
	Salmonella spp Enumeration:	W070 based on Part 9, 2006
	Colony count at 22°C for 68hrs 37°C for 24hrs 37°C for 48hrs	W020 using pour plate based on Part 7, 2020

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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	
WATERS (cont'd) Potable, including Bottled, Natural & Mineral; and non-potable, including surface waters, swimming pools, spas and jacuzzis	Microbiological Tests (cont'd)	Documented In-House Methods based on 'The Microbiology of Drinking Water, Environment Agency (cont'd)	
	Enumeration:		
	Coliforms	W010 using membrane filtration based on Part 4A, 2016	
	Escherichia coli	W010 using membrane filtration based on Part 4A, 2016	
	Enterococci (Faecal streptococci)	W030 using membrane filtration based on Part 5A, 2012	
	Pseudomonas aeruginosa	W040 using membrane filtration based on Part 8B, 2015	
WATERS Potable, including Bottled, Natural & Mineral; and non-potable, including			
	Enumeration:		
	Clostridium perfringens	W051 using membrane filtration based on MDW Part 6, 2021	
	Sulphite-reducing anaerobes (SRC)	W050 using membrane filtration based on MDW Part 6, 2021	
FOODS, SWABS	Molecular Tests	In house developed method	
	Detection of Microbial DNA:		
	Listeria spp and Listeria monocytogenes DNA	Using Enrichment in Half Fraser broth. Extraction of bacterial DNA using Method F200. Detection using Thermofisher MicroSEQ Real Time PCR and AB 7500 FAST Cycler Method F210.	
END			

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