


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK

 <p>1736</p> <p>Accredited to ISO/IEC 17025:2005</p>	<h3>Pathology Management Services</h3> <p>Issue No: 024 Issue date: 05 June 2013</p>	
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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 SWABS	<p><u>Microbiological Tests</u></p> <p>Enumeration:</p> <p><i>Bacillus cereus</i> (presumptive)</p> <p><i>Enterobacteriaceae</i> (presumptive)</p> <p>β-glucuronidase positive <i>Escherichia coli</i></p> <p>Coagulase positive Staphylococci including <i>Staphylococcus aureus</i></p> <p>Total viable count (aerobic)</p> <p>Yeasts and Moulds</p> <p>Detection:</p> <p><i>Listeria</i> spp including confirmation of <i>L. monocytogenes</i> and other species identification if requested</p>	<p>Documented In-House Methods</p> <p>SOP-MB-005 using colony count technique on PEMBA agar at 30 °C for 24hrs, and haemolysis confirmation using sheep blood agar.</p> <p>SOP-MB-003 using a colony count technique at 37 °C based on BS EN ISO 21528-2:2004</p> <p>SOP-MB-015 using TBX membrane method based on BS ISO 16649-2:2001</p> <p>SOP-MB-006 using colony count technique at 37 °C based on BS EN ISO 6888-1:1999</p> <p>SOP-MB-001 using a colony count technique on PCA agar at 30 °C for 48 hours</p> <p>SOP-MB-008 using a colony count technique on RBC agar at 25 °C.</p> <p>SOP-MB-017 using an enrichment technique and confirmation with API based on BS EN ISO 11290-1 including amendment 1 with confirmation using API Listeria</p>



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ENVIRONMENTAL SWABS (cont'd)	<u>Microbiological Tests (cont'd)</u> Detection: <i>Salmonella</i> spp	Documented In-House Methods (cont'd) SOP-MB-016 using an enrichment technique and confirmation with API 20E based on BS EN ISO 6579:2002 including A1:2007
FOOD and FOOD PRODUCTS including raw ingredients	<u>Microbiological Tests</u> Enumeration: <i>Bacillus cereus</i> (presumptive) Coliforms (presumptive) <i>Clostridium perfringens</i> <i>Enterobacteriaceae</i> (presumptive) <i>Enterococcus</i> spp β-glucuronidase positive <i>Escherichia coli</i> <i>Pseudomonas</i> spp (presumptive) Coagulase positive Staphylococci including <i>Staphylococcus aureus</i>	SOP-MB-005 using colony count technique on PEMBA agar at 30 °C for 24hrs, and haemolysis confirmation using sheep blood agar. SOP-MB-002 using colony count technique at 30 °C for milk and milk based products and 37 °C for general foods based on BS ISO 4832:2006 SOP-MB-009 using an anaerobic colony count technique at 37 °C based on EN ISO 7937:2004 SOP-MB-003 using a colony count technique at 37 °C based on BS EN ISO 21528-2:2004 SOP-MB-010 using colony count technique on Slanetz and Bartley agar at 37 °C and confirmation with Aesculin agar. SOP-MB-015 using TBX membrane method based on BS ISO 16649-2:2001 SOP-MB-007 using colony count technique on CFC agar at 30 °C SOP-MB-006 using colony count technique at 37 °C based on BS EN ISO 6888-1:1999



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FOOD and FOOD PRODUCTS including raw ingredients (cont'd)	<u>Microbiological Tests</u> (cont'd)	
	Enumeration: (cont'd)	
	Total viable count (aerobic)	SOP-MB-001 using a colony count technique on PCA agar at 30 °C for 48 hours
	Total Aerobic Mesophilic spore count	SOP-MB-012 using colony count technique at 30 °C based on BS 4285:Section 3.3:1986 (withdrawn, not replaced)
	Yeasts and Moulds	SOP-MB-008 using colony count technique on RBC agar at 25 °C.
	Detection:	
	<i>Escherichia coli</i> , (presumptive)	SOP-MB-018 using a single tube enrichment technique based on BS EN ISO 7251:2005
FOOD and FOOD PRODUCTS including raw ingredients (cont'd)	<i>Listeria</i> spp including confirmation of <i>L. monocytogenes</i> and other species identification if requested	SOP-MB-0017 using an enrichment technique and confirmation with API based on BS EN ISO 11290-1 including amendment 1 with confirmation using API Listeria
	<i>Salmonella</i> spp	SOP-MB-016 using an enrichment technique based and confirmation with API 20E based on BS EN ISO 6579:2002 including A1:2007
WATERS Natural, potable, pools and spas (unless otherwise stated)	<u>Microbiological Tests</u>	Documented In-House Methods based on "Microbiology of Drinking Water", Environment Agency (unless otherwise stated)
	Isolation and Enumeration:	
	<i>Clostridium perfringens</i> and other sulphite reducing <i>clostridia</i>	SOP-MB-026 by membrane filtration based on MDW (2010) Part 6.
	Coliforms (presumptive)	SOP-MB-029 by membrane filtration, single membrane based on MDW (2009) Part 4B.



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
WATERS - (cont'd)	<u>Microbiological Tests</u> (cont'd)	Documented In-House Methods based on "Microbiology of Drinking Water", Environment Agency (unless otherwise stated) (cont'd)
Natural, potable, pools and spas (unless otherwise stated) (cont'd)	Isolation and Enumeration: (cont'd) <i>Escherichia coli</i>	SOP-MB-029 by membrane filtration, single membrane based on MDW (2009) Part 4B.
Natural and potable only	Enterococci (Faecal streptococci) <i>Pseudomonas aeruginosa</i>	SOP-MB-027 by membrane filtration based on MDW (2012) Part 5A. SOP-MB-025 by membrane filtration based on MDW (2010) Part 8B.
Pools and spas only	Total viable aerobic organisms <i>Staphylococcus aureus</i>	SOP-MB-022 using a colony count technique at 22 °C, 30 °C and/or 37 °C based on MDW (2012) Part 7A SOP-MB-028 by membrane filtration onto Mannitol Salt agar and confirmation by Coagulase test and DNase.
WATERS – Natural, Potable, Cooling Towers, Spas, Showers	Detection, enumeration and confirmation: <i>Legionella pneumophila</i> Serogroups 1, 2-14, and/or presumptive <i>Legionella</i> spp (not <i>L pneumophila</i>)	SOP-MB-021 using membrane filtration of 500 ml samples based on BS 6068-4.12:1998/ ISO11731:1998 with confirmation using Oxoid latex kit
	END	