


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 Accredited to ISO/IEC 17025:2005	<b>Express Microbiology Ltd</b> Issue No: 030      Issue date: 09 July 2018	
	22/4 Mill Road Industrial Estate Linlithgow Bridge Scotland EH49 7SF	Contact: Dr Jennifer Newton Tel: +44 (0)1506 845405 Fax: +44 (0)1506 845047 E-Mail: lab@expressmicrobiology.co.uk Website: www.expressmicrobiology.co.uk

**Testing performed by the Organisation at the locations specified**

### Locations covered by the organisation and their relevant activities

#### Laboratory locations:

Location details	Activity	Location code
<b>Address</b> 22/4 Mill Road Industrial Estate Linlithgow Bridge Scotland EH49 7SF  <b>Local contact</b> Dr Jennifer Newton  Tel: +44 (0)1506 845405 Fax: +44 (0)1506 845047 EMail: lab@expressmicrobiology.co.uk	Microbiological Testing Chemical Testing	A
<b>Address</b> 42 Mill Road Industrial Estate Linlithgow Bridge Scotland EH49 7SF  <b>Local contact</b> Dr Jennifer Newton  Tel: +44 (0)1506 845405 Fax: +44 (0)1506 845047 EMail: lab@expressmicrobiology.co.uk	Chemical Testing	B



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DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
FOOD and FOOD PRODUCTS	<u>Chemical Tests</u>	Documented In-House Methods	
	Moisture	16.1.2 In-house method using oven drying	B
	Ash	16.1.1 in-house method	B
	Sodium	16.1.4 in-house method ashing followed by flame photometry	B
	Protein	16.1.8 based on Dumas method	B
	Total Dietary Fibre	16.1.10 based on AOAC 991.43	B
	Total sugars: Fructose, Galactose, Glucose Lactose, Maltose, Sucrose	16.1.9 by ion chromatography	B
	Fatty Acid Composition - Saturates - Mono-unsaturates - Poly-unsaturates - Trans fatty acids - Omega-3 acids - Omega-6 acids	16.1.11 by GC-FID	B
	Moisture Total Fat	16.1.6. Microwave drying and fat by Nuclear Magnetic Resonance using CEM Smart System Microwave	B
	<u>Calculated Values</u>		
	Calculation of salt content	16.1.7 by calculation from sodium (16.1.4)	B
	Calculation of aqueous salt	16.1.7 by calculation from sodium (16.1.4)	B
	Carbohydrate by Difference Energy	16.1.7 According to Food Information Regulations 2014	B



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FOOD and FOOD PRODUCTS (cont'd)	<u>Chemical Tests (cont'd)</u>  <u>Calculated Values (cont'd)</u>  Apparent Meat Content (Stubbs & Moore) Apparent Meat Content (Separated) (Stubbs & Moore) Added Water (modified Stubbs & Moore) Apparent Fish Content (Stubbs & Moore) Apparent Fish Content (Separated) (Stubbs & Moore)	Documented In-House Methods	B
FOOD and FOOD Products and SWABS	Determination of Gluten	16.1.3 using r-biopharm R5 ELISA Ridascreen kit.	A
Fish, Fish Products and Cheese	Determination of Histamine	16.1.5 by ELISA using Histasure ELISA Fast Track	A
ANIMAL FEEDS and COMPOST / COMPOSTS  Animal Feeds and composts	<u>Microbiological Tests</u>  Detection:  <i>Salmonella</i> spp.	Documented In-house Methods  Method No17D based on BS EN ISO 6579-1:2017 in accordance with The Animal By-Products (Enforcement) (Scotland) Regulation 2015 and The Animal By-Products (Enforcement) (England) Regulation 2015 and The Animal By-Products (Enforcement) (Wales) Regulation 2014.	A



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ANIMAL FEEDS and COMPOST / COMPOSTS (cont'd)	<u>Microbiological Tests</u> (cont'd)	Documented In-house Methods	
ANIMAL FEEDS Pet food	Enumeration: Enterobacteriaceae, confirmed	Method No 27 based on BS EN ISO 21528-2:2017 in accordance with The Animal By-Products(Enforcement) (Scotland) Regulation 2015 and The Animal By-Products (Enforcement) (England) Regulation 2015 and The Animal By-Products (Enforcement) (Wales) Regulation 2014	A
Compost and Digestates	<i>Escherichia coli</i> , β-glucuronidase positive	Method No 23A2 based on BS EN ISO 16649-2:2001 in accordance with The Animal By-Products(Enforcement) (Scotland) Regulation 2015 and The Animal By-Products (Enforcement) (England) Regulation 2015 and The Animal By-Products (Enforcement) (Wales) Regulation 2014.	A



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<p>ENVIRONMENTAL SAMPLES</p> <p>ENVIRONMENTAL SAMPLES Boot/sock/overshoe swabs, surface swabs, cloacal swabs, bulked faeces, dust, chick papers/hatcher tray liners and DOA organs</p>	<p><u>Microbiological Tests</u></p> <p>Detection:</p> <p><i>Salmonella</i> spp (including serotyping groups A-G)</p>	<p>Documented In-house Methods</p> <p>Method No 17C based on BS EN ISO 6579-1:2017 (employing MSRV) in accordance with: Control of Salmonella in Poultry Order (CSPO), (England) 2007, (Wales) 2008</p> <p>Control of Salmonella in Poultry (Breeding, Laying and Broiler Flocks) (Scotland) Order 2009</p> <p>Control of Salmonella in Turkey Order (England) 2009, (Scotland) 2009 and (Wales) 2010</p> <p>Control of Broiler Flocks Order (England) 2009, (Wales) 2009</p>	A
<p>FOODS AND ENVIRONMENTAL SAMPLES</p>	<p><u>Microbiological Tests</u></p> <p>Enumeration:</p> <p><i>Bacillus cereus</i>, presumptive</p> <p>Coliforms presumptive and confirmed</p>	<p>Documented In-House Methods based on standard methods as referenced</p> <p>1) Method No 28bf using PEMBA selective agar at 37°C for 24 hrs, and subsequently at room temperature for 24hrs.</p> <p>2) Method No 28b using chromogenic medium BCC at 37°C for 24hrs, and confirmation with gram stain, spore stain and haemolysis.</p> <p>Method No 26 based on ISO 4832:2006</p>	<p>A</p> <p>A</p> <p>A</p>



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FOODS AND ENVIRONMENTAL SAMPLES (cont'd)	<u>Microbiological Tests</u> (cont'd)		
	Enumeration: (cont'd)		
	<i>Clostridium perfringens</i> , confirmed	Method No 19 based on BS EN ISO 7937:2004	A
	Enterobacteriaceae, presumptive and confirmed	Method No 27 based on BS ISO 21528-2:2017	A
	<i>Escherichia coli</i> , $\beta$ -glucuronidase positive	1) Method No 23A based on ISO 16649-2:2001	A
		2) Method no 23C based on ISO 16649-1:2001 using membranes	A
	Lactic Acid Bacilli (presumptive)	Method No 31 based on BS EN ISO 15214:1998	A
	<i>Listeria</i> spp and <i>Listeria monocytogenes</i> confirmed	Method No 22MS based on BS EN ISO 11290-2:2017	A
	<i>Pseudomonas</i> spp, presumptive	Method No 11 using spread plate on pseudomonas agar (CFC) based on ISO 13720:2010	A
	Coagulase positive Staphylococci, confirmed	Method No 16 based on BS EN ISO:6888:Part 1:1999 using Staphytec plus latex confirmation	A
Total Aerobic Colony Count at 30 °C	1) Method No. 10 based on BS EN ISO 4833-1:2013	A	
	2) Method No. 10 using pour plate technique with Plate count agar at 30°C for 48hrs.	A	
Yeasts and Moulds (products with aW >0.95)	Method No 20 based on BS ISO 21527-1:2008	A	



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FOODS AND ENVIRONMENTAL SAMPLES (cont'd)	<u>Microbiological Tests</u> (cont'd)		
	Detection:		
	<i>Escherichia coli</i> , confirmed	Method No 23 based on BS ISO 7251:2005	A
	<i>Escherichia coli</i> O157, presumptive	Method No 32 based on BS EN ISO 16654:2001 + A1:2017 (without Immunomagnetic separation)	A
	<i>Listeria</i> spp and <i>Listeria monocytogenes</i>	1) Method No 22MS based on BS EN ISO 11290-1:2017 2) Method No 22FSPP using Half Fraser Broth chromogenic medium (ALOA)	A
	<i>Listeria</i> spp	Method No 22 using Oxoid ONE Broth- <i>Listeria</i> and Brilliance <i>Listeria</i> agar (Oxoid Precis method)	A
	<i>Salmonella</i> spp, presumptive or confirmed	Method No 17 based on BS EN ISO 6579-1:2017	A
	<i>Salmonella</i> spp	Method No 17A ELISA screening test using Solus <i>Salmonella</i> pre-enrichment with Method No 17 confirmatory tests	A
FOOD Eggs only	<i>Salmonella</i> spp.	Method 17E documented in house method in accordance with British Egg Industry Council Code of Practice for Lion Eggs Annex Q 2013, Issue 1, based ISO 6579-1:2017	A
FOOD Poultry only	<i>Campylobacter</i> spp, confirmed	Method No 34 based on ISO 10272-1:2017 for testing poultry only	A



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FOODS (raw and finished products) and ENVIRONMENTAL SWABS/SPONGES	<u>Molecular Biology Tests</u>	In-House Documented Methods	
	Detection of:  <i>Listeria</i> spp DNA	Method No 22B, Qualicon BAX PCR System Q7	A
	<i>Salmonella</i> spp DNA	Method No 17B, Qualicon BAX PCR System Q7, AOAC official method 2003.09	A
Shellfish, smoked fish, fish products	<i>Vibrio</i> spp DNA ( <i>Vibrio parahaemolyticus</i> , <i>Vibrio cholera</i> , <i>Vibrio vulnificus</i> )	Method No 33 by real-time PCR using Qualicon BAX PCR System Q7	A
WATERS, piped supplies, swimming pools, recreational waters	<u>Microbiological Tests</u>	Documented In-House Methods based on the procedures in The Microbiology of Drinking Water (year identified in parenthesis)	
	Enumeration:		
	Total Colony Count at 22 °C	Method No 1 ( Part 7, 2012)	A
	Total Colony Count at 37 °C	Method No 1(Part 7, 2012)	A
	Coliforms, confirmed and presumptive	Method No 7, membrane filtration using MLGA (Part 4B, 2016)	A
	<i>Escherichia coli</i> , confirmed and presumptive	Method No 7, membrane filtration using MLGA (Part 4B, 2016)	A
	<i>Pseudomonas aeruginosa</i> , confirmed	Method No 8, membrane filtration (Part 8, 2015)	A
	Enterococci, confirmed	Method No 25w, membrane filtration (Part 5, 2012)	A
Sulphite Reducing Clostridia	Method No 24w, membrane filtration (Part 6, 2015)	A	





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WATERS, piped supplies, swimming pools, recreational waters and untreated (excluding seawater)	<u>Microbiological Tests</u> (cont'd)	Documented In-House Methods based on standard methods as referenced	
	Detection and Enumeration:		
	Coliforms	Method No 36, using COLILERT (Part 4D 2016)	A
WATERS Potable, process, cooling towers	<i>Escherichia coli</i>	Method No 36, using COLILERT (Part 4D 2016)	A
	Enumeration:		
	Isolation and enumeration of Legionella pneumophila sero-groups 1 and 2-14 and Legionella spp	Method 35 based on ISO 11731:1998 with serotyping and speciation by Microgen Latex kit	A
END			