


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 Accredited to ISO/IEC 17025:2017	Express Microbiology Ltd, trading as Express Micro Science Issue No: 038 Issue date: 27 May 2020	
	22/4 Mill Road Industrial Estate Linlithgow Bridge West Lothian Scotland EH49 7SF	Contact: Dr Jennifer Newton Tel: +44 (0)1506 845405 E-Mail: info@expressmicroscience.co.uk Website: www.expressmicroscience.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
Address 22/4 Mill Road Industrial Estate Linlithgow Bridge Scotland EH49 7SF Local contact Dr Jennifer Newton Tel: +44 (0)1506 845405 Fax: +44 (0)1506 845047 EMail: lab@expressmicrobiology.co.uk	Microbiological Testing	A
Address 22-25 Mill Road Industrial Estate Linlithgow Bridge Scotland EH49 7SF Local contact 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.	B
Fish, Fish Products and Cheese	Determination of Histamine	16.1.5 by ELISA using Histasure ELISA Fast Track	B
ANIMAL FEEDS and COMPOST / COMPOSTS	<u>Microbiological Tests</u> Detection: <i>Salmonella</i> spp.	Documented In-house Methods	A
Animal Feeds and composts		Method No 15.2.45 based on BS EN ISO 6579-1:2017 for the purpose of the Animal By-Products (Enforcement) Regulation (ABPR) 2013 (amended 2015) implementing Regulation (EU) No 142/2011 (amended 2013)	



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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 15.2.68 based on BS EN ISO 21528-2:2017 for the purpose of the Animal By-Products (Enforcement) Regulation (ABPR) 2013 (amended 2015) implementing Regulation (EU) No 142/2011 (amended 2013)	A
Compost and Digestates	<i>Escherichia coli</i> , β -glucuronidase positive	Method No 15.2.67 based on BS EN ISO 16649-2:2001 for the purpose of the Animal By-Products (Enforcement) Regulation (ABPR) 2013 (amended 2015) implementing Regulation (EU) No 142/2011 (amended 2013)	A
ENVIRONMENTAL SAMPLES	Detection:	Documented In-house Methods	
Boot/sock/overshoe swabs, surface swabs, cloacal swabs, bulked faeces, dust, chick papers/hatcher tray liners and DOA organs	<i>Salmonella</i> spp (including serotyping groups A-G)	Method No 15.2.9 based on BS EN ISO 6579-1:2017 (employing MSR/V) for the purposes of testing in accordance with: Control of Salmonella in Poultry Order (CSPO), (England) 2007, (Wales) 2008 Control of Salmonella in Poultry (Breeding, Laying and Broiler Flocks) (Scotland) Order 2009 Control of Salmonella in Turkey Order (England) 2009, (Scotland) 2009 and (Wales) 2010 Control of Broiler Flocks Order (England) 2009, (Wales) 2009	A



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FOODS AND ENVIRONMENTAL SAMPLES	<u>Microbiological Tests</u>	Documented In-House Methods based on standard methods as referenced	
	Enumeration:		
	<i>Bacillus cereus</i> , presumptive	1) Method No 15.2.22 using PEMBA selective agar at 37°C for 24 hrs, and subsequently at room temperature for 24hrs.	A
		2) Method No 15.2.23 using chromogenic medium BCC at 37°C for 24hrs, and confirmation with gram stain, spore stain and haemolysis.	A
		3) Method No 15.2.70 based on BS EN ISO 7932:2004	A
	Coliforms presumptive and confirmed	Method No 15.2.19 based on ISO 4832:2006	A
	<i>Clostridium perfringens</i> , confirmed	Method No 15.2.10 based on BS EN ISO 7937:2004	A
	Enterobacteriaceae, presumptive and confirmed	Method No 15.2.21 based on BS ISO 21528-2:2017	A
	<i>Escherichia coli</i> , β-glucuronidase positive	1) Method No 15.2.17 based on BS EN ISO 16649-2:2001	A
		2) Method no 15.2.18 based on BS EN ISO 16649-1:2018 using membranes	A
Lactic Acid Bacilli (presumptive)	Method No 15.2.26 based on BS EN ISO 15214:1998	A	
<i>Listeria</i> spp and <i>Listeria monocytogenes</i> confirmed	Method No 15.2.13 based on BS EN ISO 11290-2:2017	A	



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FOODS AND ENVIRONMENTAL SAMPLES (Cont'd)	<u>Microbiological Tests (Cont'd)</u>	Documented In-House Methods based on standard methods as referenced	
	Enumeration: (Cont'd)		
	<i>Pseudomonas</i> spp, presumptive	Method No 15.2.4 using spread plate on pseudomonas agar (CFC) based on ISO 13720:2010	A
	Coagulase positive Staphylococci, confirmed	Method No 15.2.5 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. 15.2.1 based on BS EN ISO 4833-1:2013 2) Method No. 15.2.1 using pour plate technique with Plate count agar at 30°C for 48hrs.	A A
	Yeasts and Moulds (products with aW >0.95)	Method No 15.2.11 based on BS ISO 21527-1:2008	A
	Detection: <i>Escherichia coli</i> , confirmed	Method No 15.2.15 based on BS ISO 7251:2005	A
	<i>Escherichia coli</i> O157, presumptive	Method No 15.2.27 based on BS EN ISO 16654:2001 + A1:2017 (without Immunomagnetic separation)	A
	<i>Listeria</i> spp and <i>Listeria monocytogenes</i>	Method No 15.2.13 based on BS EN ISO 11290-1:2017	A
	<i>Listeria</i> spp	Method No 15.2.53 using Oxoid ONE Broth-Listeria and Brilliance Listeria agar (Oxoid Precis method)	A
<i>Salmonella</i> spp, presumptive or confirmed	Method No 15.2.6 based on BS EN ISO 6579-1:2017	A	



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FOODS AND ENVIRONMENTAL SAMPLES (Cont'd)	<u>Microbiological Tests (Cont'd)</u>	Documented In-House Methods based on standard methods as referenced	
	<i>Salmonella</i> spp	Method No 15.2.7 ELISA screening test using Solus Salmonella pre-enrichment with Method No 15.2.6 confirmatory tests	A
FOOD Shell Eggs only (Shell and contents)	<i>Salmonella</i> spp.	Method 15.2.46 documented in house method in accordance with British Egg Industry Council Code of Practice for Lion Eggs Annex Q 2013, Issue 1, based on BS EN ISO 6579-1:2017	A
FOOD Poultry only	<i>Campylobacter</i> spp, confirmed	Method No 15.2.30 based on ISO 10272-1:2017 for testing poultry only	A
FOOD Shellfish, Smoked Fish and Fish products, (Raw and Frozen) and ENVIRONMENTAL SAMPLES	<i>Vibrio</i> spp., Confirmed including <i>Vibrio parahaemolyticus</i> , <i>Vibrio cholera</i> and <i>Vibrio vulnificus</i>	Method No 15.2.71 version 1, based on BS EN ISO 21872-1: 2017	A
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 15.2.14, Qualicon BAX PCR System Q7	A
	<i>Salmonella</i> spp DNA	Method No 15.2.8, 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 15.2.29 by real-time PCR using Qualicon BAX PCR System Q7	A



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WATERS Drinking, process, ground and Recreational	<u>Microbiological Tests</u>	Documented In-House Methods	
	Enumeration:		
	Total Colony Count at 22 °C	Method No 15.4.1 based on Microbiology of Drinking Water 2012 part 7	A
	Total Colony Count at 37 °C	Method No 15.4.1 based on Microbiology of Drinking Water 2012 part 7	A
	Coliforms, confirmed and presumptive	Method No 15.4.2 with membrane filtration using MLGA based on Microbiology of Drinking Water 2016 part 4B	A
	<i>Escherichia coli</i> , confirmed and presumptive	Method No 15.4.2 with membrane filtration using MLGA based on Microbiology of Drinking Water 2016 part 4B	A
	<i>Pseudomonas aeruginosa</i> , confirmed	Method No 15.4.3 with membrane filtration based on Microbiology of Drinking Water 2015 part 8 and Microbiology of Recreational and Environmental Waters 2015 part 7	A
	Enterococci, confirmed	Method No 15.4.5 with membrane filtration based on Microbiology of Drinking Water 2012 part 5	A
Sulphite Reducing Clostridia	Method No 15.4.4 with membrane filtration based on Microbiology of Drinking Water 2015 part 6 and Microbiology of Recreational and Environmental Waters 2015 part 6	A	



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WATERS Drinking, process, ground and Recreational (excluding seawater)	Detection and Enumeration:	Documented In-House Methods based on standard methods as referenced	
	Coliforms	Method No 15.4.7, using COLILERT based on Microbiology of Drinking Water 2016 part 4D and Microbiology of Recreational and Environmental Waters 2016 part 3	A
	<i>Escherichia coli</i>	Method No 15.4.7, using COLILERT based on Microbiology of Drinking Water 2016 part 4D and Microbiology of Recreational and Environmental Waters 2016 part 3	A
WATERS Drinking, process, including cooling towers	Enumeration:		
	Isolation and enumeration of <i>Legionella pneumophila</i> sero-groups 1 and 2-14 and <i>Legionella</i> spp	Method 15.4.6 based on ISO 11731:1998 (withdrawn) with serotyping and speciation by Microgen Latex kit or Oxoid Latex kit	A
Endoscopy Washer-Disinfector Final Rinse Waters (Mains fed and Reverse Osmosis), Reverse Osmosis water	Total Aerobic Colony Count	Method 15.4.10 using membrane filtration on R2A at 30°C for 5 days, Based on BS EN ISO 15883-1:2009 and HTM 01-06 Part E 2016	A
END			