

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	Bio Search (NI) Ltd	
	Issue No: 098 Issue date: 28 November 2023	
	Dufferin Road Belfast Northern Ireland BT3 9AA	Contact: Ms D Arthur Tel: +44 (028) 9035 2066 Fax: +44 (028) 9035 2161 E-Mail: Deby.Arthur@ftuki.euofins.com Website: www.biosearch.co.uk
Testing performed by the Organisation at the locations specified below		

Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details		Activity	Location code
Address Dufferin Road Belfast Northern Ireland BT3 9AA	Local contact Ms D Arthur Tel: +44 (028) 9035 2066 Fax: +44 (028) 9035 2161 Email: Deby.Arthur@ftuki.euofins.com Website: www.biosearch.co.uk	Sampling Chemical testing Microbiological testing	A

Site activities performed away from the locations listed above:

Location details	Activity	Location code
Food, Animal Feed and Water Related Premises	Sampling (excluding DWTS samples)	B



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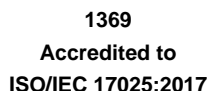
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DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
Animal Feed	<u>Microbiological Tests</u>	Documented In-House Methods	
	Detection:		
	<i>Salmonella</i> spp.	TM 9 based on BS EN ISO 6579-1:2017+A1: 2020 with a screening of suspect positives using Rapid Salmonella (BioRad) Confirmation using serology and biomerieux API	A
	<i>Salmonella</i> spp.	TM 69 using SOLUS ELISA kit and DYNEX DS2 analyser. Confirmation using serology and biomerieux API	A
	Enumeration:		
Environmental samples Sponge swabs Boot swabs Dust Tray Liners	Enterobacteriaceae, presumptive	TM 26 based on BS EN ISO 21528-2:2017	A
	Yeasts and Moulds	TM 16 based on BS ISO 21527-1:2008	A
	Detection:		
	<i>Salmonella</i> spp (motile)	TM65 based on BS EN ISO 6579-1:2017+A1:2020 (employing MSRV) for matrices as required for the purposes of testing in accordance with the Control of Salmonella in Poultry Orders*: CSPO (Northern Ireland) 2008 CSTO (Northern Ireland) 2010 Confirmation using slide serology and biochemical tests (biomerieux API)	A
		* refer to www.gov.uk for current laboratory approval status	



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Assessment Manager: KW



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Environmental samples (cont'd)	<u>Microbiological Tests</u> (cont'd)	Documented In-House Methods	
Sponge swabs from food production environments	Detection: (cont'd): <i>Listeria</i> spp., confirmed	TM 63 using SOLUS ELISA kit and DYNEX DS2 analyser. Confirmation using biomerieux API	A
Food, Food products and Dairy	Enumeration:		
Food & Food Products	<i>Bacillus cereus</i> , presumptive	TM 6 based on BS EN ISO 7932:2004 +A1:2020	A
Food, Food products and Dairy	<i>Clostridium perfringens</i>	TM 17 based on BS EN ISO 7937:2004	A
	Coliforms at 30 °C or 37 °C, presumptive and confirmed	TM 3 based on BS ISO 4832:2006	A
	Enterobacteriaceae, presumptive	TM 26 based on BS EN ISO 21528-2:2017	A
	<i>Escherichia coli</i> , β -glucuronidase-positive	TM 4 based on BS ISO 16649-2:2001	A
Food & Food Products	Lactic acid bacteria, presumptive	TM 13 based on BS ISO 15214:1998	A
Food, Food products and Dairy	<i>Listeria</i> spp, confirmed	TM 8 based on BS EN ISO 11290-2:2017 confirmation using biomerieux API	A
	<i>Pseudomonas</i> spp, presumptive	TM 2 based on BS EN ISO 13720:2010	A
	Coagulase-positive-staphylococci including <i>Staphylococcus aureus</i> ,	TM 5 based on BS EN ISO 6888-1:2021 with confirmation using prolex latex kit	A
	Total Aerobic Colony Count at 30 °C	TM 1 based on BS EN ISO 4833-1:2013+A1:2022	A
	Yeasts and Moulds	TM 16 based on BS ISO 21527-1:2008	A



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Food, Food products and Dairy (cont'd)	<u>Microbiological Tests</u> (cont'd)	Documented In-House Methods	
	Detection:		
	<i>Campylobacter</i> spp	TM 10 based on BS EN ISO 10272-1:2017	A
	<i>Escherichia coli</i> O157	TM 11 based on BS EN ISO 16654:2001+A1:2017	A
	<i>Listeria</i> spp, confirmed	1) TM 7 based on BS EN ISO 11290-1:2017 Confirmation using biomerieux API	A
		2) TM 59 based on AOAC Official Method 997.03 using VIP assay	A
		3) TM 63 using SOLUS ELISA kit and DYNEX DS2 analyser. Confirmation using biomerieux API	A
	<i>Salmonella</i> spp.	1) TM 45 based on BS EN ISO 6579-1:2017+A1:2020. Confirmation using serology and biomerieux API	A
		2) TM 69 using SOLUS ELISA kit and DYNEX DS2 analyser. Confirmation using serology and Biomerieux API	A
Eggs only	<i>Salmonella</i> spp.	TM 66 in accordance with British Egg Industry Council Code of Practice for Lion Eggs Annex Q, 2013 Issue 1 Confirmation using serology and biomerieux API	A



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Food and animal feed, water	<u>Sampling</u>	Documented In-House Methods	
	Environmental swabs	SP 001	B
	Food and Feed samples	SP 001	B
	Water Samples (for non-statutory testing)	SP 001 based on The Microbiology of Drinking Water Part 2 2010	B
Waters	<u>Microbiological Tests</u>	Documented In-House Methods	
	Enumeration:		
Drinking water	Testing for the purpose of enforcement of the Water Supply (Water Quality) Regulations (Northern Ireland) 2017 and the Private Water Supplies Regulations (Northern Ireland) 2017	Documented In-House Methods based on 'Methods for the Examination of Waters and Associated Materials' (MEWAM). In accordance with the Drinking Water Testing Specification (DWTS)	
	Coliforms, confirmed	TM 18 based on The Microbiology of Drinking Water, Part 4 2016, using membrane filtration	A
	<i>Escherichia coli</i> , confirmed	TM 18 based on The Microbiology of Drinking Water, Part 4 2016, using membrane filtration	A
	Enterococci, confirmed	TM 19 based on The Microbiology of Drinking Water, Part 5 2012, using membrane filtration	A
	Total Aerobic Colony Count at 22 °C and 37 °C	TM 20 based on BS EN ISO 6222:1999	A
	Sulphite reducing clostridia and <i>Clostridium perfringens</i> (including spores) confirmed	TM 36 by membrane filtration based on the Microbiology of Drinking Water Part 6 2021	A



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Waters (cont'd)	<u>Microbiological Tests</u> (cont'd)	Documented In-House Methods	
	Enumeration: (cont'd)		
Groundwater, surface, saline, recreational, Spa and swimming pool waters	Coliforms, confirmed	TM 18 based on The Microbiology of Drinking Water, Part 4 2016, using membrane filtration	A
	<i>Escherichia salm</i> , confirmed	TM 18 based on The Microbiology of Drinking Water, Part 4 2016, using membrane filtration	A
	Enterococci, confirmed	TM 19 based on The Microbiology of Drinking Water, Part 5 2012, using membrane filtration	A
	Total Aerobic Colony Count at 22 °C and 37 °C	TM 20 based on BS EN ISO 6222:1999	A
	Sulphite reducing clostridia and <i>Clostridium perfringens</i> (including spores) confirmed	TM 36 by membrane filtration based on the Microbiology of Drinking Water Part 6 2021	A
Saline, Recreational, Surface and Treated Sewage water	β -glucuronidase positive <i>Escherichia coli</i>	TM 117 based on the Microbiology of Recreational and Environmental Waters, Part 3 2016	A
Healthcare waters (IDialysis, ultrapure and RO water)	Bacterial Endotoxin Quantitative Detection	TM 80 Kinetic chromogenic method using Endosafe PTS 1000 or Endosafe Nexgen-MCS readers	A
Drinking, Healthcare waters (Reverse Osmosis and Endoscope final rinse water), Recreational waters (Spa, swimming pool, fountains),)	<i>Pseudomonas aeruginosa</i>	TM 35 based on The Microbiology of Drinking Water, Part 8 2015, using membrane filtration	A
Drinking and process water (closed heating and cooling systems)	<i>Pseudomonas</i> species.	TM 88 by membrane filtration on CFC Agar incubated at 30°C for 48h, confirmation by oxidase reaction	A
Process waters (Closed heating and cooling systems)	Total Aerobic Colony Count 37 °C for 48 hours 22 °C for 72 hours 30 °C for 72 hours	TM 97 using Yeast extract agar	A



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Waters (cont'd)	<u>Microbiological Tests</u> (cont'd)	Documented In-House Methods	
	Enumeration: (cont'd)		
Process waters (Cooling towers and Condensers)	Total Aerobic Colony Count 30 °C for 48 hours	TM 94 using Yeast extract agar	A
Drinking, Healthcare (hydrotherapy), Recreational Man-made (Spa, swimming pools, fountains), Process waters	Detection and Enumeration of <i>Legionella</i> spp, <i>Legionella pneumophila</i> serogroup 1 or serogroup 2-14 and <i>Legionella</i> spp	TM 22 based on BS EN ISO 11731:2017 Using filtration with washing, using GVPC, identification by latex agglutination (Matrices A and B: procedures 8,9 and 10 and Media C)	A
Rinse waters from the washer/disinfectors	Total Aerobic Colony Count	TM 74 based on HTM01-06 (2016) Decontamination of flexible endoscopes Part E, using membrane filtration in duplicate	A
Healthcare water (Dialysis water)	Total Aerobic Colony Count (37 & 22 °C)	TM 70 using TGE agar based on BS EN ISO 23500-3:2019	A
	<u>Chemical Tests</u>	Documented In-house Methods in accordance with: HTM01-01 (2016) Decontamination of surgical instruments Part C: Steam sterilisation HTM01-01 (2016) Decontamination of surgical instruments Part D: Washer-disinfectors HTM01-06 Decontamination of flexible endoscopes part E	
Healthcare water (endoscope washer disinfectant waters, RO, final, clean steam condensate and other processes)	<u>Appearance (colour and turbidity)</u> Total Hardness Heavy metals Silicate	TM 71 using: Colourimetry and nephelometry Indicator and comparator Hach-Lange test kit Colourimetry Hach -Lange test kit	A A



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Waters (cont'd)	<u>Chemical Tests</u> (cont'd)	Documented In-house Methods in accordance with: HTM01-01 (2016) Decontamination of surgical instruments Part C: Steam sterilisation HTM01-01 (2016) Decontamination of surgical instruments Part D: Washer-disinfectors HTM01-06 Decontamination of flexible endoscopes part E	
Healthcare water (endoscope washer disinfectant waters, RO, final, clean steam condensate and other processes)	pH Conductivity Total dissolved solids	TM 51 Measurement of Electrical conductivity MEWAM:1978, Standing Committee of Analysts	A
Healthcare (RO Water and clean steam condensate)	Evaporative Residue	TM 71 based on HTM 01-01 Part D	A
Healthcare water (endoscope washer disinfectant and RO water)	Total organic carbon (TOC)	TM 98 by persulphate / UV methodology using GE Sievers 900 TOC Analyser with manual sample injection or by auto-sampler	A
	Fluoride, Chloride, Sulphate, Nitrate (by calculation), Total Oxidised Nitrogen (TON), Nitrite, Phosphate, Soluble Reactive Phosphorus and alkalinity	TM 112 using Thermo Scientific Discrete Auto-analyser	A
	Mercury Boron	TM108 by NexION 1000 ICP-MS	A



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Waters (cont'd)	<u>Chemical Tests</u> (cont'd)	Documented In-house Methods in accordance with: HTM01-01 (2016) Decontamination of surgical instruments Part C: Steam sterilisation HTM01-01 (2016) Decontamination of surgical instruments Part D: Washer-disinfectors HTM01-06 Decontamination of flexible endoscopes part E	
Healthcare water (endoscope washer, disinfectant waters, RO, final, clean steam condensate)	Copper Silver Aluminium Iron Manganese Chromium Tin Selenium Antimony Lead Cadmium Thallium Sodium Calcium Magnesium Potassium Beryllium Arsenic Barium Nickel Zinc	TM107 by NexION 1000 ICP-MS	A
Healthcare (endoscope washer disinfectant washer, RO, final, clean steam condensate and other processes)	True Colour	TM 62 based on Colour and Turbidity of Waters MEWAM:2017, Standing Committee of Analysts	A
	Turbidity	TM52 based on Colour and Turbidity of Waters MEWAM:2017, Standing Committee of Analysts	A
Surface and Groundwater	Nitrate (by calculation) and Total Oxidised Nitrogen (TON)	TM 112 using Thermo Scientific Discrete Auto-analyser	A



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Waters (cont'd) Drinking water, Surface water and Groundwater	Testing for the purpose of enforcement of the Water Supply (Water Quality) Regulations (Northern Ireland) 2017 and the Private Water Supplies Regulations (Northern Ireland) 2017 <u>Chemical Tests (cont'd)</u>	Documented In-house Methods in accordance with the Drinking Water Testing Specification (DWTS)	
Drinking water, Surface Water and Ground water	Ammonium Ammonical-N by calculation Ammonia by calculation	TM 50 The determination of ammonium using a spectrophotometer, MEWAM:1981	A
Drinking water, Surface water and Groundwater	Hydrogen Ion (pH) and Conductivity	TM 51 Measurement of Electrical conductivity MEWAM:1978, Standing Committee of Analysts	A
Drinking water, Surface Water, Ground water	Turbidity	TM 52 based on Colour and Turbidity of Waters MEWAM: 2017, Standing Committee of Analysts	A
Drinking water, Surface Water, Ground water	True and Apparent Colour	TM 62 based on Colour and Turbidity of Waters MEWAM: 2017, Standing Committee of Analysts	A
Drinking water, Surface water and Groundwater	Total organic carbon (TOC)	TM 98 by persulphate / UV methodology using GE Sievers 900 TOC Analyser with manual sample injection or by auto-sampler	A
Drinking Water	Fluoride, Chloride, Sulphate, Nitrate (by Calculation), Total Oxidised Nitrogen (TON), Nitrite, Phosphate, Soluble Reactive Phosphorus, Alkalinity	TM 112 using the Thermo Scientific Gallery Discrete Auto Analyser	A



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Waters (cont'd) Drinking water, Surface water and Groundwater	Testing for the purpose of enforcement of the Water Supply (Water Quality) Regulations (Northern Ireland) 2017 and the Private Water Supplies Regulations (Northern Ireland) 2017	Documented In-house Methods in accordance with the Drinking Water Testing Specification (DWTS)	
Surface and Ground Waters	<u>Chemical Tests</u> (cont'd) Fluoride, Chloride, Sulphate, Nitrite, Phosphate, Soluble Reactive Phosphorus (SRP) Alkalinity	TM 112 using the Thermo Scientific Gallery Discrete Auto Analyser	A
Drinking water, Surface water and Groundwater	Copper, Silver, Aluminium, Manganese, Iron, Chromium, Tin, Selenium, Antimony, Lead, Cadmium, Thallium, Sodium, Calcium, Magnesium, Potassium, Beryllium, Arsenic, Barium, Nickel, Zinc	TM 107 using ICP-MS NexION 1000	A



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Waters (cont'd) Drinking water, Surface water and Groundwater	Testing for the purpose of enforcement of the Water Supply (Water Quality) Regulations (Northern Ireland) 2017 and the Private Water Supplies Regulations (Northern Ireland) 2017	Documented In-house Methods in accordance with the Drinking Water Testing Specification (DWTS)	
	<u>Chemical Tests</u> (cont'd)		
Drinking water, Surface water and Groundwater	Mercury and Boron	TM108 using ICP-MS NexION 1000	A
Drinking water	Residual Chlorine (free and total)	TM83 using Palintest Chlorometer	A
END			