Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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



1645

Accredited to ISO/IEC 17025:2017

UK Health Security Agency, Food, Water and Environmental Microbiology Services

Issue No: 057 Issue date: 02 September 2025

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and-environmental-laboratories

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 61 Colindale Avenue London NW9 5EQ | Local contact Dr Sandra Lai Tel: +44 (0)20 8327 6548/6550/6551 E-Mail: fwem@ukhsa.gov.uk | Microbiological Molecular | L |
| Address Porton Down Salisbury Wiltshire SP4 0JG | Local contact Dr Caroline Willis Tel: +44 (0) 1980 616775 E-Mail: Caroline.Willis@ukhsa.gov.uk | Chemical Microbiological Molecular | P |
| Address Block 10 York Biotech Campus Sand Hutton York YO41 1LZ | Local contact Dr Heather Aird Tel: +44 (0) 1904468948 E-Mail: Heather.Aird@ukhsa.gov.uk | Chemical Microbiological Molecular | Y |

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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 |
|---------------------------------|---|---|------------------|
| FOODS AND FOOD PRODUCTS | Chemistry Tests | Documented In-House Method: | |
| Milk and Dairy Products | Determination of alkaline phosphatase activity | FNED142 BS EN ISO 11816- 1:2024 | P, Y |
| Food and Food Products | Water activity | FNES67 (P1) based on BS EN ISO 18787:2017 | Υ |
| ANIMAL FEEDS | Microbiological Tests Detection: | Documented In-house Methods | |
| Pet Food and Dog Chews | Salmonella spp | FNES16 (F13) based on ISO 6579- 1:2017+A1:2020 for the purpose of the Animal By-Products (Enforcement) (England) Regulation (ABPR) 2013 (amended 2015) implementing European Assimilated Law (EU) No 142/2011 | L |
| | Enumeration: | | |
| Dried Pet Food and Dog Chews | Enterobacteriaceae | FNES13 (F23) based on ISO 21528-2:2017 for the purpose of the Animal By-Products (Enforcement) (England) Regulation (ABPR) 2013 (amended 2015) implementing European Assimilated Law (EU) No 142/2011 | L |
| | | | |

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| Materials/Products tested | Type of test/Properties measured/Range of measurement | Standard specifications/ Equipment/Techniques used | Location Code |
|---|---|---|------------------|
| ENVIRONMENTAL SAMPLES | Microbiological Tests (cont'd) | Documented In-house Methods | |
| Exposed settle plates, or plates from air samplers (incubated and enumerated as received) | Enumeration: Airborne microbial load (aerobic colony count and moulds) Detection: | FNES143 following sampling using an MAS-100 + Tryptone Soya Agar incubated at 37°C for 48h and DRBC plates incubated at 25°C for 120h | Р |
| Animal hair, wool, soil and environmental samples | Bacillus anthracis (anthrax spores), confirmed | FNES121 Documented In-house Method based on Anthrax in humans and animals, 4 th Ed, World Health Organization 2008 | Y |
| ENVIRONMENTAL SAMPLES Including swabs and cleaning cloths | Campylobacter spp | FNES15 (F21) In-house method with enrichment in Bolton broth and plating onto mCCDA. Biochemical/physiological Confirmation for Campylobacter spp. or | L, P |
| | | Optional identification for <i>C. jejuni</i> , <i>C. lari</i> and <i>C. coli</i> only by MALDI TOF MS using method FNES93 (M7) | L, P, Y |
| | Escherichia coli O157 | FNES25 (F17) In-house method using Immunomagnetic separation and CT-SMAC agar. Confirmation by latex agglutination and Biomerieux API20E | L, P |
| | | Optional confirmation as <i>E. coli</i> O157:H7 and characterised by DNA detection using real-time PCR using method FNES44 (M3) | Р |
| | | | |
| | | | |

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|--|--|--|------------------|
| ENVIRONMENTAL SAMPLES | Microbiological Tests (cont'd) | Documented In-house Methods | |
| Including swabs and cleaning cloths (cont'd) | Detection: (cont'd) | | |
| cicaring ciotils (cont d) | Listeria spp and Listeria monocytogenes (including identification) | FNES22 (F19) based on ISO 11290-1:2017 with confirmation by MALDI TOF MS using method FNES93 (M7) | L, P, Y |
| | | Optional confirmation by biochemical tests using Biomerieux API | L, P, Y |
| | Salmonella spp | FNES16 (F13) based on BS EN ISO 6579-1:2017+A1:2020 with confirmation by Biochemical tests including Biomerieux API20E /serological confirmations | L, P, Y |
| | | Optional confirmation by real-time PCR using method FNES153 (M15) | L, P, Y |
| | Enumeration: | | |
| | Aerobic colony count at 30°C | 1) FNES14 (F10) In-house Method based on based on BS EN ISO 4833-2: 2013+A1:2022 using surface plating (spread or spiral) on PCA incubated at 30°C for 48h | L, P, Y |
| | | 2) FNES40 (F9) based on BS EN ISO 4833-1: 2013 +A1:2022 | Р |
| | | | |

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| Materials/Products tested | Type of test/Properties measured/Range of measurement | Standard specifications/ Equipment/Techniques used | Location Code |
|---|--|---|------------------|
| ENVIRONMENTAL SAMPLES Including swabs and | Microbiological Tests (cont'd) Enumeration: (cont'd) | Documented In-house Methods | |
| cleaning cloths (cont'd) | Presumptive and confirmed Bacillus cereus (and Bacillus spp recovered) | FNES9 (F15) based on BS EN ISO 7932:2004+A1:2020 | Р |
| (Location Y: Packaging swabs only) | Campylobacter spp | FNES15 (F21) based on BS EN ISO 10272-2: 2017+A1:2023 | P, Y |
| | | Optional identification for <i>C. jejuni</i> , <i>C. lari</i> and <i>C. coli</i> only by MALDI TOF MS using method FNES93 | P, Y |
| | Clostridium perfringens | FNES11 (F14) based on BS EN ISO 15213-2:2023 with in-house confirmation by MALDI TOF MS using method FNES93 or Optional biochemical test using SIM agar | Р |
| | Enterobacteriaceae, presumptive and confirmed | 1) FNES13 (F23) based on ISO 21528-2:2017 | L, P, Y |
| | | 2) FNES72 (F38) In-house method using MPN TEMPO | L, P, Y |
| | Escherichia coli, β-glucuronidase positive | 1) FNES3 (F8) based on BS EN ISO 16649-2:2001 | Y |
| | | 2) FNES47 (F20) In-house method using spread or spiral plate on TBX agar with initial incubation conducted at 30°C for 4 hours followed by incubation at 44°C for 18 ± 2 hours. | L, P |
| | | 3) FNES131using MPN TEMPO method | P |

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| Materials/Products tested | Type of test/Properties measured/Range of measurement | Standard specifications/ Equipment/Techniques used | Location Code |
|--|---|--|------------------|
| ENVIRONMENTAL SAMPLES Including swabs and | Microbiological Tests (cont'd) Enumeration: (cont'd) | Documented In-house Methods | |
| cleaning cloths (cont'd) | Listeria spp and Listeria monocytogenes (including identification) | FNES22 (F19) based on ISO 11290-2: 2017 and confirmation by MALDI TOF MS using method FNES93 (M7) | L, P, |
| | | Optional biochemical confirmation using Biomerieux API | L, P, |
| | Coagulase positive Staphylococci | FNES8 (F12) based on BS EN ISO 6888-1:2021+A1:2023 using confirmation by DNase, latex agglutination and tube coagulase | P, Y |
| FOOD and FOOD PRODUCTS, general unless specified | * indicates examination performed under Food Standards Agency designation as an Official Laboratory in accordance with assimilated European law AEUL OCR 2017/625 | | |
| | Detection: | | |
| | *Campylobacter spp | FNES15 (F21) In-house method with enrichment in Bolton broth and plating onto mCCDA. Biochemical/physiological Confirmation for <i>Campylobacter</i> spp. or | L, P, Y |
| | | Optional identification for <i>C. jejuni</i> , <i>C. lari</i> and <i>C. coli</i> only by MALDI TOF MS using method FNES93 (M7) | L, P, Y |
| Baby and infant milks, milk formulae and related products (powdered or liquid) | *Presumptive <i>Cronobacter</i> spp | FNES105 based on BS EN ISO 22964:2017 | L |

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Testing performed by the Organisation at the locations specified

| | Type of test/Properties | | |
|--|---|--|------------------|
| Materials/Products tested | measured/Range of measurement | Standard specifications/ Equipment/Techniques used | Location Code |
| FOOD and FOOD PRODUCTS, general unless | Microbiological Tests (cont'd) | Documented In-house Methods | |
| specified (cont'd) | Detection: (cont'd) | | |
| | *Escherichia coli O157 | FNES25 (F17) In-house method using Immunomagnetic separation and CT-SMAC agar. Confirmation by latex agglutination and Biomerieux API20E | L, P, Y |
| | | Optional confirmation as <i>E. coli</i> O157:H7 sby DNA detection using manual extraction and real-time PCR using method FNES44 (M3) | Р |
| | *Listeria spp and Listeria monocytogenes (including identification) | FNES22 (F19) based on ISO 11290-1:2017 with confirmation by MALDI TOF MS using method FNES93 (M7) POR/M7 | L, P, Y |
| | | Optional confirmation by biochemical tests using Biomerieux API | L, P, Y |
| | *Salmonella spp | FNES16 (F13) based on BS EN ISO 6579-1:2017+A1:2020 with confirmation by biochemical tests using Biomerieux API20E/serological | L, P, Y |
| | | Optional confirmation by real-time PCR using method FNES153 (M15) | L, P, Y |
| Baby and infant milks, milk formulae and related products (powdered or liquid) | *Enterobacteriaceae, presumptive and confirmed | FNES31 (F18) by based on BS EN ISO 21528-1:2017 | L |
| Fish and Shellfish | Vibrio spp | FNES84 In-house method enrichment in alkaline peptone water and sub-cultured to TCBS agar | L |
| | | | |

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| Materials/Products tested | Type of test/Properties measured/Range of measurement | Standard specifications/ Equipment/Techniques used | Location Code |
|--|---|---|------------------|
| FOOD and FOOD PRODUCTS, general unless specified (cont'd) | Microbiological Tests (cont'd) Enumeration: | Documented In-house Methods | |
| | *Aerobic colony count | 1) FNES14 (F10) In-house Method based on based on BS EN ISO 4833-2: 2013+A1:2022 using surface plating (spread or spiral) on PCA incubated at 30°C for 48h | L, P, Y |
| (Location Y: Raw milks only) | | 2) FNES40 (F9) based on BS EN ISO 4833-1:2013+A1:2022 | P, Y |
| | *Bacillus cereus, presumptive (and/or Bacillus spp recovered) | FNES9 (F15) based on BS EN ISO 7932:2004+A1:2020 | L, P, Y |
| Raw chicken and neck skins (Location Y&P: Chicken neck skins only) | *Campylobacter spp | FNES15 (F21) based on BS EN ISO 10272-2:2017+A1:2023 | L, P, Y |
| | | Optional identification for <i>C. jejuni</i> , <i>C. lari</i> and <i>C. coli</i> only by MALDI TOF MS using method FNES93 | L, P, Y |
| | *Clostridium perfringens | FNES11 (F14) based on BS EN 15213-2:2023 with in-house confirmation by MALDI TOF using method FNES93 Or optional biochemical test method FNES93 usiing SIM agar | L, P, Y |
| | *Enterobacteriaceae, presumptive and confirmed | FNES13 (F23) based on BS EN ISO 21528-2:2017 | L, P, Y |
| | | | |
| | | | |

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| Materials/Products tested | Type of test/Properties measured/Range of measurement | Standard specifications/ Equipment/Techniques used | Location Code |
|---|---|--|------------------|
| FOOD and FOOD PRODUCTS, general unless specified (cont'd) | Microbiological Tests (cont'd) Enumeration: (cont'd) | Documented In-house Methods | |
| (Excluding chocolate, and coloured dried herbs and spices) (Location P: includes milk products) (Location L, Y: Excludes milk) (Location Y: Excludes dairy) | *Enterobacteriaceae | FNES72 (F38) In-house method using MPN TEMPO method | L, P, Y |
| | *Escherichia coli, β-glucuronidase positive | 1) FNES3 (F8) based on BS ISO 16649-2:2001 | Y |
| | | 2) FNES47 (F20) using spread or spiral plate colony count on TBX agar initial incubation conducted at 30°C for 4 hours followed by incubation at 44°C for 18 ± 2 h | L, P |
| (Location L: dried and frozen products only) | | 3) FNES28 (F22) by MPN, based on BS EN ISO 16649-3: 2015 | L, P, Y |
| (Excludes dried foods and brine) | | FNES131 using MPN TEMPO method | Р |
| MILK AND DAIRY | Enumeration: | | |
| PRODUCTS | *Coliforms, confirmed | FNES41 (D4) based on BS EN ISO 4832:2006 | L, P, Y |
| | *Enterobacteriaceae, presumptive and confirmed | FNES13 (F23) based on BS EN ISO 21528-2:2017 | L, P, Y |
| SHELLFISH Raw molluscan shellfish (clams, cockles, mussels, oysters, scallops and razor clams) | *Escherichia coli β-glucuronidase positive | FNES48 (F16) by MPN based on BS EN ISO 16649-3: 2015 and in accordance with CEFAS Generic Protocol, issue 17 dated March 2024 | L, PY |

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| Materials/Products tested | Type of test/Properties measured/Range of measurement | Standard specifications/ Equipment/Techniques used | Location Code |
|--|---|---|------------------|
| FOOD and FOOD PRODUCTS, general unless specified (cont'd) | Microbiological Tests (cont'd) Enumeration: (cont'd) | Documented In-house Methods | |
| | *Listeria spp and Listeria monocytogenes | FNES22 (F19) based on BS EN ISO 11290-2:2017 with confirmation by MALDI TOF MS using method FNES93 (M7) | L, P, Y |
| | | Optional confirmation by biochemical tests using Biomerieux API | L, P, Y |
| | *Coagulase positive staphylococci including Staphylococcus aureus | FNES8 (F12) based on BS EN ISO 6888-1:2021+A1:2023 . Confirmation by DNase, Latex agglutination and tube coagulase test | L, P, Y |
| WATERS, drinking, domestic services, recreational, pool, saline, process, cooling towers, ground, and surface (unless specified) | Detection: | | |
| | Escherichia coli O157 | FNES34 (W16) based on the Microbiology of Drinking Water Part 4F, 2016 | L, Y |
| | Enumeration: | | |
| WATERS, drinking, domestic services, recreational, pool, process, cooling towers | Legionella spp and Legionella pneumophila, SG1 and SG 2-14 | FNES24 (W12) based on BS EN ISO 11731: 2017 using filtration with washing or direct plating [Matrix A & B; procedures 1,2,3 or 8,9 &10 or 11,12,13 and media C] species identification/confirmation using commercial latex agglutination kits | L, P, Y |
| | | | |

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|--|---|--|------------------|
| | Microbiological Tests (cont'd) * indicates BOTTLED WATER examination performed under | Documented In-house Methods | |
| | Food Standards Agency designation as an Official Laboratory in accordance with assimilated European law AEUL OCR 2017/625 | | |
| | Enumeration: | | |
| WATERS, drinking, Bottled Mineral, domestic services, process, ground, and surface | *Aerobic colony count at 22°C and at 37°C | FNES58 (W4) based on Microbiology of Drinking Water Part 7, 2020 using pour plates | L, Y, P |
| Process, cooling towers | Aerobic colony count at 30°C | FNES58 (W4) based on Microbiology of Drinking Water Part 7, 2020 using pour plates | P |
| Pool, Bottled Mineral waters (including container waters) | *Aerobic colony count at 37°C for 24 hours | FNES58 (W4) In-house method using YEA incubated at 37°C for 24 hours | L, P, Y |
| WATERS, drinking, Bottled Mineral, domestic services, recreational, pool, saline, process, ground and surface (unless specified) | *Coliform and <i>Escherichia coli</i> presumptive and confirmed | FNES39 (W2) based on Microbiology of Drinking Water Part 4, 2016, using membrane filtration and MLSB | L, P, |
| WATERS, drinking, domestic services, recreational, pool, saline, process, ground and surface (unless specified) | Coliform and Escherichia coli presumptive and confirmed | FNES39 (W2) based on Microbiology of Drinking Water Part 4, 2016, using membrane filtration and MLSB | Y |
| WATERS, drinking, domestic services, recreational, pool, saline, process, ground and surface (unless specified) (excluding Saline) | | FNES50 (W18) MPN based on Microbiology of Drinking Water Part 4, 2016, using IDEXX (Colilert 18) Quanti-tray TM | L, P, Y |
| | | | |

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|---|---|--|------------------|
| WATERS, drinking, Bottled Mineral, domestic services, recreational, pool, saline, | Microbiological Tests (cont'd) Enumeration: | Documented In-house Methods | |
| process, ground and surface | *Enterococci, presumptive and confirmed | FNES23 (W3) based on Microbiology of Drinking Water Part 5, 2012 | L, P, Y |
| | *Pseudomonas aeruginosa | FNES12 (W6) based on Microbiology of Drinking Water Part 8, 2015 confirmation by Milk cetrimide agar and oxidase testing | L, P, Y |
| | | Or by MALDI TOF MS using FNES93 (M7) | Р |
| WATERS, recreational, pool, | Staphylococcus aureus | FNES36 (W10) using membrane filtration | L |
| Bottled Mineral water only | *Sulphite reducing clostridia | FNES60 (W5a) based on Microbiology of Drinking Water Part 6, 2021 | L |
| WATERS, drinking, domestic services, recreational, pool, saline, process, , ground and surface (unless specified) | Clostridium perfringens, | FNES59 (W5) based on Microbiology of Drinking Water Part 6, 2021 with in-house confirmation by MALDI TOF MS using Method FNES93 (M7) or Optional biochemical test method FNES93 usiing SIM agar | L, P, Y |
| HEALTHCARE WATERS | Detection: | | |
| Heater Cooler Waters | Mycobacterium spp | FNES150.01 Detection of Mycobacterium species in heater cooler unit waters using BD BACTEC MGIT 960 system | L |
| | | | |

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|--|---|---|------------------|
| HEALTHCARE WATERS (cont'd) | Microbiological Tests (cont'd) Enumeration: | Documented In-house Methods | |
| Endoscope Washer Disinfector Rinse Waters | Viable Mesophilic Bacteria (Aerobic Colony Count) | FNES10 (W22) using membrane filtration and TSA at 30°C for 5 days in accordance with HTM 01-06 Part E 2016 | L, P, Y |
| | | With optional identification of <i>Ps</i> aeruginosa by Milk Cetrimide and oxidase or MALDI TOF MS using FNES93 (M7) | Р |
| RO Fluids and Ultrapure Dialysis Fluids | Viable Mesophilic Bacteria (Aerobic Colony Count) | FNES69 (W22A) based on BS EN ISO 23500:2024 (Part 3 and Part 5), using membrane filtration and TGEA incubated at 21°C for 7 days | Y |
| | Pseudomonas aeruginosa | FNES12 (W6) based on Microbiology of Drinking Water Part 8, 2015 confirmation by Milk cetrimide agar and oxidase testing | L, P, Y |
| | | Or by MALDI TOF MS using FNES93 (M7) | Р |
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|--|--|--|------------------|--|
| | Molecular Tests * indicates SPROUTS examination performed under Food Standards Agency designation as an Official Laboratory in accordance with assimilated European law AEUL OCR 2017/625 | Documented In-house Methods | | |
| FOOD and FOOD PRODUCTS, and ENVIRONMENTAL SAMPLES, unless specified | *Salmonella species, S. Typhimurium and S. Enteritidis DNA | FNES153 (M15) using primary enrichment or secondary enrichment as described in FNES16 (F13) with SimpliAmp extraction using FNES123 (M12) and PCR using Quantstudio™5 with FNES122 (M13) with culture confirmation of presumptive positives by FNES16 (F13) | L, P, Y | |
| FOOD and FOOD PRODUCTS, WATERS, including irrigation waters, and ENVIRONMENTAL SAMPLES | *Shiga toxin producing <i>E. coli</i> (STEC) DNA detection for stx, eae and O157 gene sequences (presumptive and confirmed) | FNES144 (M14) based on ISO/TS 13136:2012 using SureTect STEC O157 and STEC screening PCR assay with automated Applied Biosystems SimpliAmp extraction (FNES123 (M12)) and QuantStudio5 real-time PCR (FNES122 (M13)) Confirmation by culture | L, P, Y | |
| END | | | | |

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