


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>UKAS MEDICAL 9737</p> <p>Accredited to ISO 15189:2022</p>	Frimley Health NHS Foundation Trust Issue No: 014 Issue date: 03 January 2025	
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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 Microbiology Department Frimley Park Hospital Portsmouth Road Frimley GU16 7UJ Local Contact as above	Microbiology	FPH
Address Virology Department St Peter's Hospital Guildford Rd Lyne Chertsey KT16 0PZ Local Contact as above	Virology	SPH
Address Department of Blood Sciences Royal Surrey County Hospital Egerton Road Guildford GU2 7XX Local Contact as above	Incubation and reporting of negative blood cultures	RSCH
Address Department of Blood Sciences St Peter's Hospital Guildford Road Lyne Chertsey KT16 0PZ Local Contact as above	Incubation and reporting of negative blood cultures	STP
Address Department of Blood Sciences East Surrey Hospital Canada Avenue Redhill RH1 5RH Local Contact as above	Incubation and reporting of negative blood cultures Blood	ESH



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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
HUMAN TISSUES AND FLUIDS	<u>Microbiological examination activities for the purpose of clinical diagnosis</u>	In-house documented procedures following UK SMIs:	
Blood cultures	Isolation of microorganisms of clinical significance	Manual, and Automated culture using BD BACTEC FX: MIC-FPH-SOP-30 Investigation of Blood Cultures GEN-BSPS-SOP-016	FPH
Blood cultures	Detection of microbial growth with subsequent analysis of positive samples at FPH. Reporting of negative samples	Manual, and Automated culture using BD BACTEC FX: MIC-FPH-SOP-30 Investigation of Blood Cultures GEN-BSPS-SOP-016	RSCH STP ESH
Urine	Isolation of microorganisms of clinical significance	Manual or automated culture and image capture using Mast Urisystem MIC-FPH-SOP-27 Investigation of Urines Manual or automated culture and image capture using Kiestra MIC-FPH-SOP-19 Kiestra ReadA Browser user instructions MIC-FPH-SOP-21 Kiestra user instructions	
Aspirates Blood Cellular and fluid material contained on swabs, catheter tips and intrauterine contraceptive devices CSF Faeces Fluids Genital samples Pus Samples from sterile sites Semen Tissues Sputum		MIC-FPH-SOP-55 Investigation of Faeces/Stool samples Including EntericBio Multiplex PCR MIC-FPH-SOP-5 Carbapenemase-Producing Enterobacteriaceae (CPE) + ESBL screening MIC-FPH-SOP-51 Investigation of Cerebrospinal Fluid (CSF) MIC-FPH-SOP-64 WOUND SOP: Skin, Superficial Wound and Superficial Surgical Swabs	



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<p>HUMAN TISSUES AND FLUIDS</p> <p>Aspirates Blood Cellular and fluid material contained on swabs, catheter tips and intrauterine contraceptive devices CSF Faeces Fluids Genital samples Pus Samples from sterile sites Semen Tissues Sputum (cont'd):</p>	<p><u>Microbiological examination activities for the purpose of clinical diagnosis</u></p> <p>Isolation of microorganisms of clinical significance (cont'd):</p>	<p>In-house documented procedures following UK SMIs:</p> <p>Manual or semi-automated culture and image capture MIC-FPH-SOP-19 Kiestra ReadA Browser user instructions MIC-FPH-SOP-21 Kiestra user instructions</p> <p>MIC-FPH-SOP-76 Deep Wound, Tissue, Tips and Pus/Exudate</p> <p>MIC-FPH-SOP-23 Investigation of Peritoneal (Ascitic) Fluids</p> <p>MIC-FPH-SOP-22 Investigation of Pleural Fluids</p> <p>MIC-FPH-SOP-8 Mycology - Investigation of specimens for superficial, cutaneous, subcutaneous and systemic infection</p> <p>MIC-FPH-SOP-00024 CAPD</p> <p>MIC-FPH-SOP-29 INVESTIGATION OF BILE AND BILIARY STENTS</p> <p>MIC-FPH-SOP-35 Investigation of Miscellaneous Fluids</p> <p>MIC-FPH-SOP-65 Profiling of Microbiology Samples</p> <p>MIC-FPH-SOP-41 Investigation of Orthopaedic Tissues and Associated Fluids</p>	<p>FPH</p>



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<p>HUMAN TISSUES AND FLUIDS</p> <p>Aspirates Blood Cellular and fluid material contained on swabs, catheter tips and intrauterine contraceptive devices CSF Faeces Fluids Genital samples Pus Samples from sterile sites Semen Tissues Sputum (cont'd):</p> <p>Cellular and fluid material contained on swabs</p> <p>Faeces Rectal Swabs</p>	<p><u>Microbiological examination activities for the purpose of clinical diagnosis</u></p> <p>Isolation of microorganisms of clinical significance (cont'd):</p> <p>Screening for Methicillin-Resistant <i>Staphylococcus aureus</i> (MRSA)</p> <p>Screening for Carbapenemase Producing Enterobacteriaceae (CPE)</p>	<p>In-house documented procedures following UK SMIs:</p> <p>Manual or automated culture and image capture using Kiestra InoqULA MIC-FPH-SOP-19 Kiestra ReadA Browser user instructions MIC-FPH-SOP-21 Kiestra user instructions</p> <p>MIC-FPH-SOP-33 Investigation of Respiratory Specimens (Non-Mycobacteria)</p> <p>MIC-FPH-SOP-32 Investigation of Genital Specimens</p> <p>MIC-FPH-SOP-00018 Investigation of Synovial Fluids</p> <p>Manual or automated inoculation, incubation and image capture of chromogenic culture media as above and using: MIC-FPH-SOP-77 MRSA and MSSA screening</p> <p>Manual or automated inoculation, incubation and image capture of chromogenic culture media and using MIC-FPH-SOP-5 Carbapenemase-Producing Enterobacteriaceae (CPE) + ESBL screening</p>	<p>FPH</p>



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<p>HUMAN TISSUES AND FLUIDS (cont'd)</p> <p>Cerebrospinal fluid (CSF)</p> <p>Aspirates Corneal scrapes Eye (specimens from incl. cellular material from contact lenses) Fluids Tissues Oral and throat swabs</p> <p>Urine</p> <p>Cultures isolated in-house from all samples listed above</p>	<p><u>Microbiological examination activities for the purpose of clinical diagnosis (cont'd)</u></p> <p>Detection, identification and quantification (inc. differential) of: White blood cells Red blood cells Bacterial cells</p> <p>Detection, identification and quantification of: White blood cells Red blood cells Bacterial cells Yeast cells and fungal hyphae</p> <p>Detection, identification and quantification of: White blood cells Red blood cells Squamous epithelial cells Bacterial cells Casts</p> <p>Identification of microorganisms of clinical significance</p>	<p>In-house documented procedures following UK SMIs:</p> <p>Microscopy and staining (Gram and differential) using a Prolab Polystainer MIC-FPH-SOP-51 Investigation of Cerebrospinal Fluid (CSF)</p> <p>Staining (Gram, India Ink, Lactophenol Cotton Blue and Calcofluor stains) and microscopic examination using: MIC-FPH-SOP-37 Staining procedures including use of the Poly Stainer instrument</p> <p>MIC-FPH-SOP-8 Mycology - Investigation of specimens for superficial, cutaneous, subcutaneous and systemic infection</p> <p>Automated urinalysis, image capture and recognition Using MastUri and automated IRIS Urine Analyser: MIC-FPH-SOP-27 Investigation of Urines</p> <p>Automated Matrix-assisted laser desorption/ionisation (MALDI-TOF) using: Microflex L T instrument (Bruker) MIC-FPH-SOP-46 Use of MALDI-TOF</p>	<p>FPH</p>



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<p>HUMAN TISSUES AND FLUIDS (cont'd)</p> <p>Bacterial cultures isolated in-house from all samples listed above</p> <p>Bacterial cultures isolated in-house from all samples listed above</p> <p>Yeast cultures isolated in-house from all samples listed above</p> <p>Cultures isolated in-house from all samples listed above</p>	<p><u>Microbiological examination activities for the purpose of clinical diagnosis (cont'd)</u></p> <p>Antimicrobial susceptibility testing of clinical significant bacteria</p> <p>Antimicrobial susceptibility testing of clinical significant bacteria</p> <p>Antifungal susceptibility testing</p> <p>Identification of Staphylococcal isolates</p> <p>Serological identification of groups A, B, C, D, F and G of the Lancefield groups of Streptococci grown on agar plates</p>	<p>In-house documented procedures following UK SMIs:</p> <p>Manual and automated disc diffusion using EUCAST sensitivity method MIC-FPH-SOP-078 EUCAST SENSITIVITY METHOD (additional QC and AC)</p> <p>Gradient MIC determination by E-test MIC-FPH-SOP-78 EUCAST SENSITIVITY METHOD (additional QC and AC) MIC-FPH-SOP-79 Colistin-MIC strips</p> <p>Merlin/Bioconnections Colistin MIC testing using broth micro-dilution sensitivity testing SOP: MIC-FPH-SOP-79</p> <p>identification of extended-spectrum beta-lactamases (ESBL) and AmpC beta lactamases using specialised ESBL/AmpC discs</p> <p>MIC-FPH-SOP-00016 Detection of Extended Spectrum β-lactamase (ESBL) and AmpC Enzymes</p> <p>Sensititre YeastOne: a colorimetric microbroth dilution test on Candida spp isolates MIC-FPH-SOP-100 Sensititre YeastOne Susceptibility Plate</p> <p>Prolex staph latex using: MIC-FPH-SOP-00079</p> <p>Prolex streptococcal grouping Latex kit using: MIC-FPH-SOP-101</p>	<p>FPH</p>



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<p>HUMAN TISSUES AND FLUIDS (cont'd)</p> <p>Cultures isolated in-house from all samples listed above</p> <p>Cultures isolated in-house from all samples listed above</p> <p>Faeces</p>	<p><u>Microbiological examination activities for the purpose of clinical diagnosis (cont'd)</u></p> <p>Identification of <i>E. coli</i> O157</p> <p>Identification of microorganisms of clinical significance</p> <p>Detection of ova, cysts and parasites (OCP)</p>	<p>In-house documented procedures following UK SMIs:</p> <p>E.coli 0157 Latex test using: MIC-FPH-SOP-55</p> <p>API kits MIC-FPH-SOP-086</p> <p>Catalase test MIC-FPH-SOP-00002</p> <p>Oxidase test MIC-FPH-SOP-033</p> <p>Gonogen II Monoclonal Immunoassay GC Test MIC-FPH/WPH-SOP-093</p> <p>Wellcogen S.pneumoniae kit MIC-FPH-SOP-54</p> <p>Alere PBP2a test MIC-FPH-SOP-14</p> <p>Betalactamase MIC-FPH-SOP-088</p> <p>Lugol's iodine stained direct microscopic examination using: MIC-FPH-SOP-079 MIC-FPH-SOP-55 MIC-FPH-SOP-25 Parasitology Investigation of Specimens other than Blood</p> <p>MIC-FPH-SOP-103 Use of Microscopes (FPH Microbiology)</p>	<p>FPH</p>



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<p>HUMAN TISSUES AND FLUIDS (cont'd)</p> <p>Faeces</p> <p>Sputum Brocho alveolar lavageAL Sterile fluids (CSF, Pleural fluids, Ascitic fluids) Urine Faeces Skin or tissue biopsies Gastric washings Bone marrow Blood Post mortem sample Pus or pus swabs cellular fluid material contained on swabs</p> <p>Skin, hair, nails, tissues, fungal balls, mucus from sinuses</p> <p>Faeces</p>	<p><u>Microbiological examination activities for the purpose of clinical diagnosis (cont'd)</u></p> <p>Detection of ova, cysts and parasites (OCP), including ectoparasites</p> <p>Isolation and presumptive identification of Acid-alcohol fast bacilli (inc. <i>Mycobacterium</i> spp.)</p> <p>General isolation and characterisation of clinically significant fungi</p> <p>Detection of H.pylori antigen</p>	<p>In-house documented procedures following UK SMIs:</p> <p>Microscopic examination using Parasep method and wet prep Using: MIC-FPH-SOP-25 MIC-FPH-SOP-31 And Light microscope</p> <p>Auramine phenol staining and LED microscopy and ZN staining and light microscopy and the BD BacTec MGIT 960:</p> <p>MIC-FPH-SOP-6 Investigation of Specimens for Mycobacterium species</p> <p>MIC-FPH-SOP-103 Use of Microscopes (FPH Microbiology)</p> <p>Manual culture and light and fluorescent microscopy using wet prep, calcofluor and lactophenol blue stain using: MIC-FPH-SOP-8 Mycology - Investigation of specimens for superficial, cutaneous, subcutaneous and systemic infection</p> <p>MIC-FPH-SOP-103 Use of Microscopes (FPH Microbiology)</p> <p>Rapid membrane immunoassay using Pro-lab Proflow H.pylori test kit using: MIC-FPH-SOP-39</p>	<p>FPH</p>



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HUMAN TISSUES AND FLUIDS (cont'd)	<u>Microbiological examination activities for the purpose of clinical diagnosis (cont'd)</u>	In-house documented procedures following UK SMIs:	
Urine	Detection of Pneumococcal antigen	Immunochromatographic membrane assay Using: MIC-FPH-SOP-24 Binax NOW S.pneumoniae antigen kit	FPH
Urine	Detection of Legionella antigen	Immunochromatographic membrane assay Using: MIC-FPH-SOP-11 Binax NOW Legionella Urinary Antigen Test	FPH
Plasma Serum	Anti-streptolysin O titre	Manual agglutination method using: VIROL-ASPH-SOP-004 and: Biokit Rheumajet ASO	STP
Serum Plasma	Rapid plasma regain (RPR)	Manual flocculation method using: VIROL-ASPH-SOP-004 and BD Macro-Vue RPR card	STP
Serum	Quantification of Beta-D-glucan	Fujifilm Wako Toxinometer MT-6500 analyser, Fujifilm Thermostation TS-70/16 and Cooling Station. MIC-FPH-SOP-104: Fujifilm Wako β -D-Glucan assay	FPH
Orthopaedic fluids	Presence or absence of Calcium pyrophosphate or Uric acid crystals to aid diagnosis of gout/pseudogout	Polarised microscope Centrifuge Wet film microscopy MIC-FPH-SOP-00018 Investigation of Synovial Fluids	FPH
Faeces	C.diff toxin	Biomerieux VIDAS using ELISA SOP: MIC-FPH-SOP-81 VIDAS	FPH



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<p>HUMAN TISSUES AND FLUIDS (cont'd)</p> <p>Plasma Serum</p>	<p><u>Microbiological examination activities for the purpose of clinical diagnosis (cont'd)</u></p> <p>Microbial serology for:</p> <p>Cytomegalovirus IgG Cytomegalovirus IgM Hepatitis A IgG Hepatitis A IgM</p> <p>Hepatitis B eAb Hepatitis B eAg Hepatitis B sAb</p> <p>Hepatitis B sAg*</p> <p>Hepatitis C Ab Hepatitis C Ag HIV-1 & HIV-2 Abbs and HIV-1 p24 Ag* HTLV I/II Rubella IgG Rubella IgM Syphilis Total Ab* (<i>Treponema pallidum</i>) Toxoplasma IgG</p>	<p>In-house documented procedures following UK SMI's</p> <p>Documented in-house methods to meet the requirements of the Infectious Diseases in Pregnancy Screening programme as defined in the laboratory QA evidence requirements' (targets marked *)</p> <p>Chemiluminescence using: VIROL-ASPH-SOP-006 and Abbott Architect i2000SR</p>	<p>SPH</p>



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<p>HUMAN TISSUES AND FLUIDS (cont'd)</p> <p>Plasma</p> <p>Plasma Serum</p> <p>Serum</p> <p>Serum</p>	<p><u>Microbiological examination activities for the purpose of clinical diagnosis (cont'd)</u></p> <p>Hepatitis B DNA (Viral Load) Hepatitis C RNA (Viral Load) HIV1 RNA (Viral Load) CMV DNA EBV DNA</p> <p>Hep A IgM Hepatitis C Ab Hepatitis B sAg* Hepatitis B cIgM</p> <p>HIV confirmation</p> <p>Detection of antibodies to Syphilis (<i>Treponema pallidum</i>) – confirmation*</p>	<p>In-house documented procedures following UK SMIs:</p> <p>Reverse transcriptase PCR (RT-PCR)Abbott using: VIROL-ASPH-SOP-050 and Alinity m</p> <p>Enzyme linked fluorescent assay using: VIROL-ASPH-SOP-024 and Biomerieux Vidas</p> <p>Immunochromatographic test using: VIROL -ASPH-SOP-014 and Bio-rad Geenius</p> <p>Manual agglutination test using: BioRad TPHA VIROL-ASPH-SOP-004</p>	



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HUMAN TISSUES AND FLUIDS (cont'd)	<u>Microbiological examination activities for the purpose of clinical diagnosis (cont'd)</u>	In-house documented procedures following UK SMIs:	SPH
Plasma Serum	Bordetella pertussis Epstein-Barr virus (EBNA IgG, EBV IgM) Measles IgG Mumps IgG VZ IgG Parvovirus IgG Parvovirus IgM Borrelia burgdorferi IgG HIV-1 & -2 antibodies and HIV p24 antigen Hepatitis C Ab	Chemiluminescence using: VIROL-ASPH-SOP-003 and Diasorin Liaison XL	
Serum	Hepatitis E IgG Hepatitis E IgM		
Whole Blood (heparin plasma)	Quantification of interferon gamma (Detection of latent TB)	QuantiFERON TB Gold Plus VIROL-ASPH-SOP-23	



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HUMAN TISSUES AND FLUIDS (cont'd)	<u>Molecular examination activities for the purpose of clinical diagnosis (cont'd)</u>	In-house documented procedures following UK SMIs:	
Faeces, Sputum, Rectal , Viral and NPA swabs and bacterial organism	Detection of: Norovirus 1/2, TB CPE MTB+ Rifampicin Resistance FLU RSV C. difficile	Real Time PCR using Cepheid GeneXpert SOP - MIC-FPH-SOP-74	SPH
Sputum	Isolation and presumptive identification of Acid-alcohol fast bacilli (inc. <i>Mycobacterium</i> spp.)	Real Time PCR using Cepheid GeneXpert: MIC-FPH-SOP-74 – GeneXpert	FPH
Faeces	C.difficile GDH antigen and toxin B gene	Real Time PCR using EntericBiosystem to detect toxin B gene for Clostridium difficile. SOP: MIC-WPH-SOP-55	FPH
Faeces	Detection of <i>Cryptosporidium</i> oocysts and <i>Giardia</i>	Real Time PCR using EntericBiosystem Gastro Panel 2 assay MIC-FPH-SOP-55: Investigation of Faeces/Stool samples Including EntericBio Multiplex PCR	FPH
Faeces	Detection of Rotavirus antigen	Rapid immunoassay using ImmunoCard Stat Rotavirus antigen kit using: MIC-FPH-SOP-55 Investigation of Faeces/Stool samples Including EntericBio Multiplex PCR	FPH



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Sputum and BAL samples	Pneumonia Plus panel detection of 27 bacteria and viruses that cause pneumonia and other lower respiratory tract infections (LRTI), and for 7 genetic markers of antibiotic resistance.	Multiplex Polymerase Chain Reaction (PCR) testing of respiratory samples for the presence of pathogenic bacteria, viruses and resistance genes, using the BioFire FilmArray Pneumonia Plus panel. MIC-FPH-SOP-050: Use of the BioFire FilmArray Multiplex PCR Analyser	FPH
DNA and RNA from Urine, swab	Nucleic acid detection and confirmation of: Chlamydia trachomatis Neisseria gonorrhoeae	Nucleic acid amplification for DNA and RNA using: VIROL-ASPH-SOP-001 and Hologic Panther using Aptima kit	SPH
Urine and vaginal swabs	Mycoplasma genitalium	Nucleic acid amplification for DNA and RNA using: VIROL-ASPH-SOP-001 and Hologic Panther using Aptima kit	SPH
DNA from Anogenital swabs	Herpes simplex virus 1 (HSV1) DNA Herpes simplex virus 2 (HSV2) DNA		
Nasopharyngeal aspirate and respiratory swabs in viral transport medium	Influenza A RNA Influenza B RNA Respiratory Syncytial Virus (RSV) RNA Parainfluenza RNA Adenovirus DNA Human Metapneumovirus (hMPV) RNA Rhinovirus (RV) RNA SARS-CoV-2 specific gene sequences; N gene	Hologic Panther Fusion	
Nasopharyngeal aspirate and respiratory swabs in viral transport medium	Detection of RNA from SARS-CoV-2, specifically N2 gene and E gene	Cepheid GeneXpert VIROL-ASPH-SOP-037	



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DNA from: CSF Plasma Skin Swab	Adenovirus (HAdV) DNA Enterovirus (EV) RNA Herpes simplex virus 1 (HSV1) DNA Herpes simplex virus 2 (HSV2) DNA Parechovirus (HPeV) RNA Varicella zoster virus (VZV) DNA	Real-Time PCR using Elitech Elite InGenius Analyser VIROL-ASPH-SOP-039	
DNA from: Stool	Adenovirus (HAdV) DNA Enterovirus (EV) RNA Parechovirus (HPeV) RNA	Real-Time PCR using Elitech Elite InGenius Analyser VIROL-ASPH-SOP-039	
DNA from: Urine Buccal Swab CSF	Cytomegalovirus (CMV) DNA	Real-Time PCR using Elitech Elite InGenius Analyser VIROL-ASPH-SOP-039	
END			