


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>9356</p> <p>Accredited to ISO 15189:2022</p>	<p align="center">Sherwood Forest Hospitals NHS Foundation Trust</p> <p align="center">Issue No: 009 Issue date: 21 February 2025</p>	
	<p>Microbiology King's Mill Hospital Mansfield Road Sutton in Ashfield Nottinghamshire NG17 4JL</p>	<p>Contact: Jacqueline Varley Tel: +44 (0) 1623 622515 ext 2537 Fax: +44 (0) 1623 672304 E-Mail: jacqueline.varley2@nhs.net Website: http://www.sfh-tr.nhs.uk</p>
<p align="center">Testing performed at the above address only</p>		

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
<p>HUMAN BODY FLUIDS/TISSUE</p> <p>Sputum, Bronchial washing/aspirate, pleural fluid, Chest Drain Fluid, Urine, Tissue, Pus</p> <p>Urine</p> <p>Urine</p> <p>CSF, Joint Fluid, Ascites, Biopsies, Tissue, Corneal Scrapes, CAPD Fluid</p>	<p><u>Microbiological examination activities for the purpose of clinical diagnosis</u></p> <p>Detection of acid fast bacilli</p> <p>Detection, identification & quantification of: White blood cells Red blood cells Squamous epithelial cells Casts</p> <p>Isolation and characterisation of clinically significant bacteria and fungi</p> <p>Detection, identification and quantification of : White blood cells Red blood cells Polymorphs, Lymphocytes Microorganisms</p>	<p>In house documented methods incorporating manufacturers' instructions and PHE SMIs where relevant</p> <p>Microscopy using laboratory microscope with auramine phenol SOP SFHMIC-LP-RBA046 and SFHMIC-LP-TES355</p> <p>Automated urinalysis for presence and enumeration of cells using Beckman Coulter IQ200 Digital Microscopy</p> <p>SOPs: SFHMIC-LP-RBA053 Investigation of Urine Specimens and SFHMIC-LP-EQU556 Operation of the IQ200 Automated Digital Microscopy System</p> <p>Manual culture using SFHMIC-LP-RBA053</p> <p>Microscopic examination using counting chamber : SOP SFHMIC-LP0RBA057 SOP SFHMIC-LP-RBA056</p>



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HUMAN BODY FLUIDS/TISSUE (cont'd)	<u>Microbiological examination activities for the purpose of clinical diagnosis</u> (cont'd)	In house documented methods incorporating manufacturers' instructions and PHE SMIs where relevant
Faeces, Sellotape Slide	Detection & identification of ova, cysts and parasites <i>Schistosoma haematobium</i> ova	Parasep concentration followed by microscopic analysis SOP SFHMIC-LP-RBA048
Swab, fluid, pus from a variety of anatomical sites. Eye swab, nose swab, throat swab, ear swab, IUCD, wound swab, faeces, sputum, bronchial aspirates/lavage, tissue, bone, prosthetic devices, contact lenses, blood products, CSF, Bone Bank samples, genital specimens, pleural fluid, joint aspirate, line tips	Isolation and characterisation of clinically significant bacteria	Manual culture and microscopy using: SOPs – SFHMIC-LP-RBA058 SFHMIC-LP-RBA057 SFHMIC-LP-RBA056 SFHMIC-LP-RBA047 SFHMIC-LP-RBA051
Skin, hair, nails	Isolation and characterisation of clinically significant fungi	Manual culture and microscopy and staining with calcofluor using: SFHMIC-LP-RBA049
Swabs, nasal, perineum, wound, urine, sputum	MRSA screening	Culture using SFHMIC-LP-RBA052
Blood	Isolation and characterisation of clinically significant bacteria	Automated culture using Becton Dickinson BACTEC FX and SOPS SFHMIC-LP-EQU543 and SFHMIC-LP-RBA050
Sputum, bronchia washing/aspirate, pleural fluid, chest drain fluid, pus, urine, tissue samples from a variety of anatomical site	Isolation and presumptive identification of Acid-alcohol fast bacilli (inc. <i>Mycobacterium</i> spp.)	Automated culture using Becton Dickinson MGIT 960 Fluorescent Technology and by staining of slides by auramine-phenol SOP-SFHMIC-LP-RBA046 and SOP SFHMIC-LP-EQU545
Faeces	Detection of <i>Clostridium difficile</i> GDH and Toxin A/B	Membrane immunochromatographic assay using: R-BioPharm RIDA QUICK GDH and <i>C. difficile</i> toxin A/B SOP: SFHMIC-LP-RBA054



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Faeces	Detection of <i>Helicobacter pylori</i> antigen	Membrane Immunochromatographic using: R-BioPharm RIDA QUICK kit and SOP SFHMIC-LP-RBA062
Faeces	Detection of Norovirus antigen	Membrane immunochromatographic assay using RIDAQUICK Norovirus Kit and SOP SFHMIC-LP-RBA061
Faeces	Detection of Rotavirus and Adenovirus	Membrane Immunochromatographic assay using R-BioPharm RIDA Quick Rota/Adeno Combi Kit and SOP SFHMIC-LP-RBA063
Genital site swab	Detection of clue cells and <i>Trichomonas vaginalis</i>	Microscopy and staining with Acridine Orange and SOP SFH-MIC-LP-RBA051
Pathogenic bacterial isolates	Determination of bacterial susceptibility to a range of antibiotics	Automated antimicrobial susceptibility testing via broth microdilution using Beckman Coulter MicroScan Walkaway 96 Plus System SOPs:SFHMIC-LP-RBA053 Investigation of Urine Specimens and SFHMIC-LP-EQU553 Operation of the MicroScan Walkaway Plus
Pathogenic isolates	Determination of bacterial susceptibility to a range of antibiotics	Passive diffusion from an antibiotic containing disc/ strip Disc diffusion test against EUCAST guidelines examined using BioRad Adagio AST system using SOPs SFHMIC-LP-RBA055 SFHMIC-LP-EQU549
Pathogenic isolates	Identification and characterisation of bacterial and yeast pathogens	BRUKER Microflex LT MALDI-TOF Mass Spectrometry and SOP – SFHMIC-LP-EQU541 API 20e strips using SOP SFHMIC-LP-TES360



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HUMAN BODY FLUIDS/TISSUE (cont'd)	<u>Serological examination activities for the purpose of clinical diagnosis</u>	In house documented methods incorporating manufacturers' instructions and PHE SMIs where relevant
Blood	Detection of: HIV 1/2 antigen/antibody Hepatitis A IgM Antibody Hepatitis C Antibody Hepatitis B Surface Antigen Hepatitis B Surface Antibody Hepatitis B Core Total Antibody Rubella IgG Syphilis	Documented -in-house methods to meet the requirements of the Infectious Diseases in Pregnancy screening programme as defined in the ' <i>Infectious diseases in pregnancy screening</i> : laboratory QA evidence requirements Qualitative and quantitative chemiluminescent immunoassays using: Roche Cobas e801 and SOP SFHMIC-LP-EQU552
Blood	Detection of: Varicella zoster IgG Hepatitis B surface antigen Hepatitis B e antigen Hepatitis B e antibody HIV antigen/antibody Hepatitis C antibody Epstein-Barr virus (VCA IgM, EBNA IgG and VCA IgG) Cytomegalovirus (IgG and IgM) Hepatitis A total antibodies (quantification)	Automated fluorescent immunoassay using bioMérieux mini VIDAS using SOPs SFHMIC-LP-EQU537, SFHMIC-LP-SER432 SFHMIC-LP-EQU554
Urine	Detection of antigens of pathogenic micro-organisms: <i>Legionella pneumophila</i> <i>Streptococcus pneumonia</i>	Fluorescent Immunoassay using: Sofia FIA kit and Sofia analyser and SOP SFHMIC-LP-SER440
Serum/Plasma	Detection of RPR	RPR reditest – agglutination test using SOP SFHMIC-LP-SER439



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HUMAN BODY FLUIDS/TISSUE (cont'd)	<u>Molecular examination activities for the purpose of clinical diagnosis</u>	In house documented methods incorporating manufacturers' instructions and PHE SMIs where relevant
Nose swab, throat swab, sputum, bronchial aspirate/lavage	Detection of viral RNA Influenza A and B	PCR using Cepheid GeneXpert and SOPs SFHMIC-LP-EQU540; SFHMIC-LP-RBA046
Pathogenic isolates	Detection and identification of Carbapenem Resistant Enterobacteriaceae	PCR using Cepheid GeneXpert and SOPs SFH-MIC-LP-EQU540 and SFHMIC-LP-RBA055
Faeces	Detection of bacterial DNA sequence in stool <i>C difficile</i>	PCR using Cepheid GeneXpert and SOPs SFHMIC-LP-EQU540; SFHMIC-LP-RBA054 and SFHMIC-LP-RBA061
Nose, Throat, Nose and Throat swabs, Sputum, BAL and NPA	Detection of SARS-CoV-2 virus RNA	GenXpert analyser using Xpert Xpress SARS-CoV-2/Flu/RSV SFHMIC-LP-EQU540
Nasal, Throat, Nose and Throat swabs, and NPA	Detection of SARS-CoV-2 virus RNA	Thermofisher Kingfisher Flex extraction and RT-PCR using Thermofisher Quant Studio 5 using R-Biopharm RIDA Gene SARS-CoV-2/Flu assay, R-Biopharm RIDA SARS-Cov-2 only assay SFHMIC-KV-MOL002
Throat swab, NPA, Sputum and BAL	Detection of Adenovirus, Coronavirus HKU1, NL63, 229E, OC43, SARS-CoV-2, Human Metapneumovirus, Human Rhino/Enterovirus, Influenza A, A/H1, A/H3, A/H1-2009, B, Parainfluenzavirus 1, 2, 3, 4, Respiratory Syncytial Virus, <i>Bordatella parapertussis</i> , <i>Bordatella pertussis</i> , <i>Chlamydia pneumoniae</i> , <i>Mycoplasma pneumoniae</i>	Biofire Filmarray using RP2.1+ panel SFHMIC-LP-EQU550



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CSF	Detection of Detection of: <i>Escherichia coli</i> K1 <i>Haemophilus influenzae</i> <i>Listeria monocytogenes</i> <i>Neisseria meningitidis</i> <i>Streptococcus agalactiae</i> <i>Streptococcus pneumoniae</i> <i>Cryptococcus neoformans/gattii</i> Cytomegalovirus (CMV) Enterovirus Herpes simplex virus 1 (HSV-1) Herpes simplex virus 2 (HSV-2) Human herpesvirus 6 (HHV-6) Human parechovirus Varicella zoster virus (VZV)	Biofire FilmArray PCR – using SOPs SFHMIC-LP-EQU550 and SFHMIC-LP-RBA056
END		