


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>UKAS MEDICAL 9038 Accredited to ISO 15189:2022</p>	<p>The Shrewsbury & Telford Hospital NHS Trust</p> <p>Issue No: 016 Issue date: 14 January 2026</p>	
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<p>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
HUMAN BODY FLUIDS AND TISSUES	<u>Microbiology examination activities for the purpose of clinical diagnosis</u>	Documented in-house methods based on manufacturer's operating instructions
Urine	Isolation of bacterial and fungal species of clinical significance	Manual inoculation and media culture SOP - SHBACT002
Blood	Isolation and characterisation of microorganisms of clinical significance	BACTEC FX liquid culture/fluorescent growth detection Media culture Liquid cultures including adult blood cultures, paediatric blood cultures SOP - SHBACT007/ Light microscopy – manual gram staining- manual interpretation SOP - SHBACT041
CSF	Detection and quantification of white & red blood cells and isolation and characterisation of microorganisms of clinical significance	Modified Fuchs Rosenthal counting chamber, light microscope SOP - SHBACT004 Previ-color cytospin- manual gram stain- manual interpretation SOP - SHBACT004 / SHBACT041 Non-selective, enriched culture plates SOP - SHBACT004
Isolates from urines, swabs, faeces	Screening for Carbapenemase (CRE) resistant organisms (OXA-48, KPC, NDM, VIM) assay	SHBACT076 SHBACT041-RESIST 4 OKNVI kit based on immunochromatographic test



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<p>HUMAN BODY FLUIDS AND TISSUES (cont'd)</p> <p>Blood cultures, Swabs, Tissues, Faeces, Fluids, Respiratory samples</p> <p>Tissue culture, sterile fluid cell line Cartilage graft culture fluid</p> <p>Skin scapings, Nail clippings, Hair samples</p> <p>Clinical isolates cultured in-house (inc. bacteria/yeasts/fungi)</p>	<p><u>Microbiology examination activities for the purpose of clinical diagnosis</u> (cont'd)</p> <p>Isolation and characterisation of microorganisms of clinical significance</p> <p>Identification of microorganisms of clinical significance</p> <p>Isolation and identification of fungi of clinical significance</p> <p>Presence or absence of fungal elements</p> <p>Identification of microorganisms of clinical significance</p>	<p>Documented in-house methods based on Manufacturer's instructions</p> <p>Manual inoculation and media culture SOP - SHBACT007 SOP - SHBACT003 SOP- SHBACT006 SOP- SHBACT009 SOP - SHBACT010 SOP - SHBACT014 SOP - SHBACT027A,B, SOP - SHBACT041 SOP - SHBACT045 SOP - SHBACT046 SOP - SHBACT047 SOP - SHBACT048 SOP - SHBACT049 SOP - SHBACT076 SOP - SHBACT077 SOP- SHBACT078</p> <p>BACTEC FX liquid culture/fluorescent growth detection Media culture SOP - SHBACT007/, SHBACT048 Light microscopy – manual gram staining- manual interpretation SOP - SHBACT041</p> <p>Media culture, macroscopic examination Light microscope Wet film microscopy SOP – SHBACT008</p> <p>Bruker Microflex Biotyper (MALDI-TOF) Mass spectrometry Commercial Reagents SOP – SHBACT075 SOP – SHBACT041 SHBACT010 SHBACT007</p>



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HUMAN BODY FLUIDS AND TISSUES (cont'd)	<u>Microbiology examination activities for the purpose of clinical diagnosis</u> (cont'd)	Documented in-house methods based on Manufacturer's instructions
Urine	Detection and quantification of red cells, white cells, bacteria, epithelial cells, urinary casts and small particles	Automated urine microscopy The Iris IQ200 Sprint SOP – SHBACT080
Urine	Identification of <i>Schistosoma haematobium</i>	Light Microscope SOP - SHBACT10B
Urine	<i>Legionella pneumophila</i> serogroup 1 antigen	Lateral flow EIA device Manual immunochromatographic assay – Binax Now Legionella urinary antigen SOP - SHBACT002
Urine	Pneumococcal soluble antigen	Lateral flow EIA device Manual immunochromatographic assay – Binax Now <i>Streptococcus pneumoniae</i> urinary antigen SOP - SHBACT002
Swabs, Fluids	Detection and quantification of white blood cells and red blood cells	Light microscope Centrifuge Wet film microscopy SOP - SHBACT003 SOP - SHBACT014 SOP - SHBACT041 SOP - SHBACT045 SOP - SHBACT046 SOP - SHBACT048
Sterile fluids – Ascitic, Peritoneal	Detection and quantification of white blood cells	Modified Fuchs Rosenthal counting chamber, light microscope, manual interpretation SOP - SHBACT048
Faeces	Detection of <i>Clostridioides difficile</i> GDH antigen	A single use rapid membrane immunoassay EIA device using Pro-lab Lateral flow SOP - SHBACT042
Faeces	Detection of <i>Clostridioides difficile</i> Toxin A + B	Qualitative detection of <i>C.Difficile</i> Toxin A+B using Meridian Immunocard A+BSOP – SHBACT042



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HUMAN BODY FLUIDS AND TISSUES (cont'd)	<u>Microbiology examination activities for the purpose of clinical diagnosis</u> (cont'd)	Documented in-house methods based on Manufacturer's instructions
Faeces	Detection of toxogenic <i>C difficile</i>	Molecular biological rapid test for the direct detection of toxigenic <i>C. difficile</i> Amplex eazyplex® <i>C. difficile</i> Basic assay loop mediated isothermal amplification (LAMP) SOP – SHBACT042
Bacterial colonies of <i>Staphylococcus aureus</i>	Detection of MRSA and PVL	Molecular rapid test used for the detection of Methicillin-resistant <i>Staphylococcus aureus</i> (MRSA) and Panton-Valentine leukocidin (PVL) Amplex eazyplex® MRSAplus which uses loop mediated isothermal amplification (LAMP) SOP - SHBACT041
Swabs, Tissue, Fluids	Differentiation of different organism types: gram positive/negative/variable, branching organisms, yeasts.	Light microscope, Centrifuge, Gram staining microscopy SOP - SHBACT003 SOP - SHBACT010 SOP - SHBACT014 SOP - SHBACT023 SOP - SHBACT041 SOP - SHBACT045 SOP - SHBACT046 SOP - SHBACT048
Faeces	Detection and quantification of white blood cells, red blood cells; identification/confirmation of faecal parasites	Light microscopy using direct manual microscopy or iodine staining or ova concentration test SOP – SHBACT010B
Faeces	Cyclospora oocysts	Autofluorescence using UV microscopy SOP – SHBACT010B



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HUMAN BODY FLUIDS AND TISSUES (cont'd)	<u>Microbiology examination activities for the purpose of clinical diagnosis</u> (cont'd)	Documented in-house methods based on Manufacturer's instructions
Faeces	Cryptosporidium oocysts	UV microscope, modified Auramine phenol staining Microscopy SHBACT010B
CSF Fungal isolates	Presence or absence of Cryptococcus species	Light microscope Centrifuge India ink stain SOP –SHBACT004 SOP- SHBACT008
Clinical isolates (cultured in-house from various sample types)	Antimicrobial susceptibility testing of clinically significant bacteria	Beckman Coulter MicroScan based on colorimetric optical system- Semi Automated Antibiotic Sensitivity Platform (MIC)
Urine	Antigen detection: Streptococcus pneumoniae Legionella pneumophila	Quidel Sofia 2 by immunofluorescence based lateral flow SOP SHBACT085 Urinary antigen testing using Quidel Sofia 2
Clinical isolates cultured in-house (bacteria)	Antimicrobial susceptibility testing of clinically significant bacteria, excepting <i>Campylobacter spp.</i> <i>Listeria spp</i> <i>Corynebacterium spp.</i> <i>Bacillus spp.</i>	EUCAST disc diffusion and antibiotic gradient strips (e- tests) <u>Lilofilchem MIC Strips</u> SHBACT001 Antibiotic Susceptibility Testing



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<p>HUMAN BODY FLUIDS AND TISSUES (cont'd)</p> <p>Nose and Throat swabs in VTM</p> <p>Nose and Throat swabs in VTM</p> <p>Endocervical and vaginal swabs Male/ Female urine in COBAS® PCR medium</p> <p>Faeces</p>	<p><u>Microbiology examination activities for the purpose of clinical diagnosis</u> (cont'd)</p> <p>Detection of:</p> <p>SARS CoV-2 RNA (N2 and E)</p> <p>SARS CoV-2 RNA (N2 and E) Influenza A RNA (M, PB2, PA) Influenza B RNA (M, NS) RSV A and B (nucleocapsid)</p> <p>Chlamydia trachomatis Neisseria gonorrhoea</p> <p>Norovirus RNA Genotypes I & II</p>	<p>Documented in-house methods based on Manufacturer's instructions</p> <p>Cepheid GeneXpert Xpress using RT PCR SHSER062 Cepheid GeneXpert Molecular PCR</p> <p>Xpert Xpress SARS-CoV-2</p> <p>Xpert Xpress CoV-2/Flu/RSV</p> <p>Xpert CT/NG Assay</p> <p>Xpert Norovirus test</p>



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HUMAN BODY FLUIDS AND TISSUES (cont'd)	<u>Microbiology examination activities for the purpose of clinical diagnosis</u> (cont'd)	Documented in-house methods based on Manufacturer's instructions
Serum	Antibody / antigen tests Hepatitis B surface antigen Varicella zoster IgG Rubella IgM HIV Hepatitis C Epstein Barr EBNA IgG Measles IgG <i>Borrelia burgdorferi</i> IgM/ <i>Borrelia burgdorferi</i> IgG	Automated immunoassay system based on VIDAS ELFA principles measurement on VIDAS 3 VIDAS® HBsAg Ultra VIDAS® <i>Varicella zoster</i> IgG VIDAS® Rubella IgM VIDAS® ANTI –HCV VIDAS® EBV EBNA IgG VIDAS® Measles IgG VIDAS HIV DUO Quick VIDAS® Lyme IgM/ VIDAS® Lyme IgG SOP - SHSER017A Documented-in-house methods to meet the requirements IDPS screening programme as defined in the laboratory QA evidence requirements'
Serum	Detection of antibodies/antigens: HIV 1&2 antibodies and HIV 1 p24 antigen* Hepatitis B surface antigen* Syphilis Total Antibody* Hepatitis B antibody Hepatitis B total core antibody Hepatitis C antibody HTLV I/II antibody Rubella IgG antibody Hepatitis A IgM	Competitive and non-competitive Immunoassays, Roche e801 module Elecsys HIV Duo Elecsys HBsAg – II Elecsys Syphilis Elecsys Anti HBs – II Elecsys Anti HBc –II Elecsys Anti-HCV – II Elecsys HTLV Elecsys Rubella IgG Elecsys Anti HAV IgM



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Serum	Detection of Antistreptolysin O antibody	Manual Latex agglutination test with visual interpretation in conjunction with manufacturer's instructions using Rheumajet ASO SOP - SHSER001
Serum	HIV Confirmatory Assay - detection of antibodies to HIV-1 and HIV-2	A rapid immunochromatogenic test Bio-Rad Geenius HIV 1/2 Manual process& interpretation SOP-SHSER0037
Blood	Therapeutic drug monitoring: Gentamicin Vancomycin Tobramycin	ROCHECOBAS c702 based on measurement by turbidometry, colourimetry Cobas GENT2 Cobas VANC3 Cobas TOBR2 SOP - SHBACT022A
Joint fluids	<u>Miscellaneous activities for the purpose of clinical diagnosis</u> Presence or absence of Calcium pyrophosphate or Uric acid crystals to aid the diagnosis of gout/pseudogout	Documented in-house methods based on Manufacturer's instructions Polarised microscope Wet film microscopy SOP – SHBACT048
END		