


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <p><b>UKAS</b> MEDICAL 8707</p> <p>Accredited to ISO 15189:2022</p>	<p><b>Bolton NHS Foundation Trust</b></p> <p>Issue No: 013 Issue date: 28 August 2025</p>	
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<p><b>Testing performed at the above address only</b></p>		

### DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
<p><b>HUMAN BODY FLUIDS AND TISSUES</b></p> <p>Swabs from ear, pus, wounds, eye, ulcer, uro-genital, penile and line sites. Bodily fluids – joint aspirates, CSF, ascitic fluid, pleural fluid Respiratory samples – sputum, BAL, NBL, NPA, ETube Bone CVP tips</p> <p>Faeces</p> <p>Whole blood</p> <p>Vaginal-rectal swabs</p>	<p><u>Microbiology examination activities for the purpose of clinical diagnosis</u></p> <p><b>General microbiology</b></p> <p>General isolation and characterisation of micro-organisms of clinical significance</p> <p>General isolation and characterisation of micro-organisms of clinical significance</p> <p>Detection of microbial growth and general isolation and characterisation of micro-organisms of clinical significance</p> <p>Group B streptococci enrichment</p>	<p>In House documented methods based on related UK Standards for Microbiology Investigations (SMIs) and incorporating manufacturers' instructions where relevant</p> <p>Manual culture using documented in-house procedures MB-INS-042 Genital samples MB-CSI-SW-002 Reading &amp; Reporting of Consultants Special Interest Patients MB-INS-060 Reading &amp; Reporting (Swabs/Sputa)</p> <p>Manual culture using documented in-house procedures MB-ENT-SW-030 Faeces Put up MB-ENT-SW-001 Enteric Bench Read</p> <p>Automated culture using BD Bactec FX system. Documented in-house procedures MB-BC-SOP-1 Blood Culture SOP</p> <p>Manual culture using documented in-house procedures Inoculation into LIM enrichment broth and subculture to Strep selective media for screening of Group B strep MB-SYS-SOP-7</p>



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<p>HUMAN BODY FLUIDS AND TISSUES (cont'd)</p> <p>Yeast culture isolates produced by the laboratory</p> <p>Faeces, line sites, wound swabs</p> <p>Bacterial/fungi/yeasts culture isolates produced by the laboratory</p>	<p><u>Microbiology examination activities for the purpose of clinical diagnosis</u> (cont'd)</p> <p><b>General microbiology</b> (cont'd)</p> <p>Antifungal susceptibility testing</p> <p>Multidrug resistant organism screening</p> <p>Identification of bacteria/fungi/yeasts</p>	<p>In House documented methods based on related UK Standards for Microbiology Investigations (SMIs) and incorporating manufacturers' instructions where relevant</p> <p>MB-SENS-SOP-4 Antimicrobial Sensitivity SOP</p> <p>MB-SYS-SOP-3 VRE screening MB-SENS-SW-019 Screening for Carbapenemase producers.</p> <p>Manual methods Oxidase, chemical reaction: MB-ID-SW-004 Oxidase</p> <p>Staph latex, agglutination: MB-ID-SW-007 Staphylococcal Latex Test</p> <p>Strep latex grouping (Prolab) agglutination: MB-ID-SW-008 Streptococcal Grouping Test</p> <p>Enteric Serology, agglutination: MB-ENT-SW-002 Enteric slide agglutinations</p> <p><math>\beta</math>-lactamase, chemical reaction and/or enzyme detection: MB-SENS-SW-009 <math>\beta</math>-lactamase test</p> <p>MB-SENS-SOP-4 Antimicrobial Sensitivity SOP – ESBL,</p> <p>Optochin, growth inhibitor: MB-MISC-DOCS-4 Optochin Testing</p>



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<p>HUMAN BODY FLUIDS AND TISSUES (cont'd)</p> <p>Blood Culture, Pus samples, eye swabs, genital swabs</p> <p>Sputum, NBL, BAL, Pleural Fluid, PUS, Tissue, Bone, enhanced broth cultures from positive MGIT culture tubes</p> <p>Genital samples; High Vaginal Swab, endocervical, urethral.</p> <p>Swabs from nose/groin or from clinically suspected sites (wound, line sites). Urine CVP tips</p> <p>Bacterial/fungi/yeasts culture isolates produced by the laboratory and direct from Blood Cultures</p> <p>Bacterial culture isolates produced by the laboratory</p>	<p><u>Microbiology examination activities for the purpose of clinical diagnosis</u> (cont'd)</p> <p><b>General microbiology</b> (cont'd)</p> <p>Differentiation between different organism types: gram positive/negative/variable, branching organisms, yeast, fungal hyphae, presence of clue cells.</p> <p>Acid Fast Bacilli</p> <p>Trichomonas vaginalis, yeasts, white blood cells, clue cells.</p> <p>Isolation of MRSA</p> <p>Identification of bacteria/fungi</p> <p>Identification of bacteria and Antibiotic susceptibility testing</p>	<p>In House documented methods based on related UK Standards for Microbiology Investigations (SMIs) and incorporating manufacturers' instructions where relevant</p> <p>Gram stain (light microscopy) MB-SYS-SW-003: Reporting of Gram films MB-INS-042 Genital samples</p> <p>Auramine phenol stain (fluorescent microscopy) and ZN stain (light microscopy) for confirmation of Auramine positive slides MB-MISC-DOCS-27 Staining Procedures in Microbiology</p> <p>Wet films (light microscopy) MB-INS-042 Genital samples</p> <p>Chromogenic media: MB-SYS-SOP-4 MRSA screening</p> <p>Automated - BRUKER/BD Sirius Maldi-TOF by Matrix-assisted laser desorption/ionization. MB-SENS-SOP-1 MALDI-TOF- Operation Manual MALDI-TOF Sepsityper MB-BC-SOP-1 – Blood culture SOP</p> <p>Automated – BD Phoenix M50 ID: Biochemical Reactions to provide a profile which matches to a database. MB-SENS-SOP-4 Antimicrobial Sensitivity SOP</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)	In House documented methods based on related UK Standards for Microbiology Investigations (SMIs) and incorporating manufacturers' instructions where relevant
Urine	<b>General microbiology</b> (cont'd)  General isolation and characterisation of micro-organisms of clinical significance  Antibiotic susceptibility testing	Manual culture and sensitivity utilising EUCAST principles and E+O UTI Chromagar MB-URI-SOP-2
Urine	Examination for White Blood Cells and Epithelial Cells	Automated using the Sysmex UF-5000 with flow cytometry MB-URI-SOP-2  Manual microscopy – MB-SOP-13 Investigation of Urines
CSF, pleural fluids, ascitic fluids	Examination for white and red blood cells, bacteria and yeasts	Manual microscopy using FAST READ 102 Counting Slide MB-SOP-5 Investigation of CSF MB-SF-SOP-1 Sterile fluid SOP
Urine	Legionella Antigen	Alere EIA MB-URI-SW-013: Legionella antigen testing
Urine	Strep pneumonia Antigen	Alere EIA MB-URI-SW-014: Pneumococcal antigen testing
Faeces	<i>Clostridioides</i> (formerly <i>Clostridium</i> ) <i>difficile</i> Glutamate dehydrogenase & toxin	GDH/CDT (Techlab) Glutamate dehydrogenase & toxin detection EIA combined cartridge test. MB-ENT-SW-033: Rapid detection of Clost.difficile GDH/Toxin



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HUMAN BODY FLUIDS AND TISSUES (cont'd)	<u>Microbiology examination activities for the purpose of clinical diagnosis</u> (cont'd)	In House documented methods based on related UK Standards for Microbiology Investigations (SMIs) and incorporating manufacturers' instructions where relevant
Faeces	<b>General microbiology</b> (cont'd) <i>Helicobacter pylori</i> antigen	H.pylori (Prolab), antigen detection Monoclonal Antibody Binding Reaction test strip MB-ENT-SW-032: Helicobacter antigen testing in faeces
Sputa, broncho-alveolar lavage, sterile fluids, tissue, bone	Acid Fast Bacilli of clinical significance. (Positive samples sent to Reference lab for ID+Sens)	Automated using BD MGIT 320 analyser MB-MNL-015 TB manual in conjunction with manufacturers' instructions
Urine, urethral, vulvo-vaginal, rectal, throat	<b>Molecular testing</b> Molecular detection of Chlamydia trachomatis and Neisseria gonorrhoeae	Automated: Cepheid (real time-PCR): MB-MOL-SW-9 using Cepheid GeneXpert
Faeces	Molecular detection of <i>Clostridioides difficile</i> and <i>Clostridioides difficile</i> toxins (tcdB (toxin B gene), cdt (binary toxin gene), and deletion at position 117 of the tcdC gene)	MB-ENT-SOP-5 using Cepheid GeneXpert and Xpert C. difficile BT assay
Sputa	<i>M. tuberculosis</i> complex DNA	LM-MB-46 Mycobacteria TB PCR using Xpert MTB-RIF Ultra
MRSA Cultured Isolates or Direct from swabs of wound sites or screening sites.	MRSA DNA	MB-VPR-SOP-1 MRSA PCR for Cepheid GeneXpert
Rectal swab, bacterial isolate	Carbapenemase resistance gene detection	MB-VPR-SOP-4 Carbapenemase PCR for Cepheid GeneXpert





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Primary Faeces sample	<b><u>Parasitology</u></b>  Examination for the presence of parasites of clinical significance	Manual microscopy using documented in-house procedure MB-ENT-SW-017: Faeces Parasite Concentration. MB-ENT-SW-016: Cryptosporidium testing
Urine	Schistosoma haematobium	Manual microscopy using documented in-house procedure MB-URI-SW-031: Examination of Urine for Schistosoma haematobium
Primary samples of Nail, Hair, Skin, Tissue	<b><u>Mycology</u></b>  General isolation and characterisation of fungi and yeasts of clinical significance	Manual method using documented in-house procedure MB-FUN-1 MYCOLOGY SOP
Fungal culture isolates produced by the laboratory	General identification and characterisation of fungi and yeasts of clinical significance	Stain/light microscopy – Fungal microscopy Lactophenol cotton blue MB-FUN-1 MYCOLOGY SOP
Culture isolates produced by the laboratory	Candida	Chromogenic media: MB-SW-025 Candida Reading & Reporting
Faeces	<b><u>Virology</u></b>  Norovirus antigen	MB-ENT-SW-019 Rapid detection of Norovirus via EIA Cartridge, RidaQuick Norovirus kit (R-Biopharm-Rhone Ltd) MB-ENT-SW-019)



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Nasopharyngeal swabs	<b>Virology</b> (cont'd) SARS-CoV-2 RNA detection (ORF1ab)	Aptima SARS-CoV-2 assay using the Hologic Panther MB-MOL-SOP-6
Nasopharyngeal swabs, sputum, and nasopharyngeal aspirates	SARS-CoV-2 RNA (N2 and protein envelope E-gene), Influenza A and B, and RSV detection	Cepheid Genexpert, MB-MOL-SOP-4
Nasopharyngeal swabs	SARS-CoV-2 RNA (ORF1ab and N gene) and Influenza A and B detection	Roche Liat MB-MOL-SW-5
END		