


# 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 8099</p> <p>Accredited to ISO 15189:2022</p>	<h3>North Bristol NHS Trust</h3> <p>Issue No: 007    Issue date: 21 March 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
HUMAN TISSUE AND FLUIDS	<u>Microbiology examination activities for the purpose of clinical diagnosis:</u>	Documented In house methods in conjunction with manufacturer's instructions
Serum/Plasma	Therapeutic drug monitoring:	Thermo Scientific Indiko Plus immunoassay platform
	Tobramycin	MISOP/NBT/ASSAY085
	Amikacin	MISOP/NBT/ASSAY085
	Teicoplanin	MISOP/NBT/ASSAY085
Serum/Plasma		LC MS-MS Tandem Mass Spectroscopy: Sciex API 3000, API 4000 Autosampler: Shimadzu SIL 20AC, SIL-10ADVP Pumps: Shimadzu 10ADVP, LC-20AB, Agilent G113a
	Streptomycin	MISOP/NBT/ASSAY057
	Itraconazole	MISOP/NBT/ASSAY052
	Posaconazole	MISOP/NBT/ASSAY053
	Voriconazole	MISOP/NBT/ASSAY054
	Colistin	MISOP/NBT/ASSAY079
	Isavuconazole	MISOP/NBT/ASSAY088
	Fluconazole	MISOP/NBT/ASSAY089
	Ethambutol	MISOP/NBT/ASSAY107
	Isoniazid & Acetyl Isoniazid (Isoniazid metabolite)	MISOP/NBT/ASSAY118





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HUMAN TISSUE AND FLUIDS (cont'd)	<u>Microbiology examination activities for the purpose of clinical diagnosis:</u> (cont'd)	Documented in-house procedure– in conjunction with manufacturer's instructions:
Serum/Plasma		<u>HPLC UV/FL Absorption</u> <u>Autosamplers:</u> Dionex Gina 50, TSP AS300, Rheodyne 7125, Shimadzu SIL20AC, ThermoScientific (TS) Ultimate 3000 <u>Detectors:</u> TS Ultimate 3000, 170 UVD, Linear 120-000, Shimadzu SPD 20A, SPD 20A, TSP UV150, Gilson 119, 155 <u>Pumps:</u> Gilson 307, MSI Concept ASII, Shimadzu LC 20AB, TS Ultimate 3000 MISOP/NBT/ASSAY001 MISOP/NBT/ASSAY005
	Piperacillin	MISOP/NBT/ASSAY025
	Rifabutin	MISOP/NBT/ASSAY026
	Rifampicin	MISOP/NBT/ASSAY027
Urines, cellular and fluid material from genital and infection screening sites	Isolation and identification of organisms of clinical significance	Semi-automated inoculation and incubation of non-selective selective, differential and chromogenic agar plates and liquid enrichment broth using the BD Kiestra system together with Visual analysis of culture plate images through digital imaging technology allowing the detection of microbial growth and manual inoculation. IS/BAC/AUTOBSOP003
Cellular and fluid material contained on swabs, catheter tips Fluids Tissues	Isolation and identification of organisms of clinical significance	Manual inoculation and incubation of non-selective selective, differential and chromogenic agar plates and liquid enrichment broth
Skin and soft tissue		IS/BAC/WOUBSOP011
Pus and deep-seated infections		IS/BAC/WOUBSOP014
Sputum, BAL and associated specimens		IS/BAC/RESPBSOP057



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<p>HUMAN TISSUE AND FLUIDS (cont'd)</p> <p>Cellular and fluid material contained on swabs, catheter tips Fluids Tissues</p> <p>MRSA screening</p> <p>Genital samples Mouth swabs Ear swabs Eye swabs and associated specimens</p> <p>Fluids</p> <p>Tissues</p> <p>Pleural fluids</p> <p>Per nasal swabs</p> <p>Nose swabs</p> <p>Throat swabs</p> <p>CSF</p>	<p><u>Microbiology examination activities for the purpose of clinical diagnosis:</u> (cont'd)</p> <p>Isolation and identification of organisms of clinical significance</p>	<p>In-house documented procedures based on manufacturer's instructions and UK Standards for Microbiology Investigations (SMIs) as relevant:</p> <p>Manual inoculation and incubation of non-selective selective, differential and chromogenic agar plates and liquid enrichment broth</p> <p>IS/BAC/XIBSOP029</p> <p>IS/BAC/GENBSOP028 IS/BAC/WOUBSOP004 IS/BAC/WOUBSOP001 IS/BAC/WOUBSOP002</p> <p>IS/BAC/BCBSOP026 IS/BAC/WOUBSOP025 IS/BAC/WOUBSOP015</p> <p>IS/BAC/WOUBSOP017 IS/BAC/RESPBSOP057</p> <p>IS/BAC/BCBSOP026 IS/BAC/RESPBSOP057</p> <p>IS/BAC/WOUBSOP006</p> <p>IS/BAC/WOUBSOP005</p> <p>IS/BAC/WOUBSOP009</p> <p>IS/BAC/BCBSOP038 IS/BAC/BCBSOP022 IS/BAC/BCBSOP023</p>



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HUMAN BODY TISSUE AND FLUIDS AS SWABS OR LIQUID SWABS	<u>Microbiology examination activities for the purpose of clinical diagnosis:</u> (cont'd)	In-house documented procedures based on manufacturer's instructions and UK SMIs as relevant:
Human Skin, Hair, Nails	Isolation and Identification of yeasts and fungal pathogens of clinical significance	Manual inoculation and incubation of non-selective selective, differential plates  IS/BAC/MYCBSOP001 IS/BAC/MYCBSOP002 IS/BAC/MYCBSOP005 IS/BAC/MYCBSOP006
Lower respiratory tract samples (Sputum, BAL) Tissue, Pus	Isolation and identification of mycobacterial species	Becton Dickinson MGIT Fluorometric growth detection and manual culture and microscopy using Ziehl Neelsen and auramine stains  IS/BAC/RESPBSOP040
Respiratory samples Early morning urine (EMU) Gastric aspirates Fluids Tissues Pus Fine needle aspirates (FNA) Cerebrospinal fluid (CSF) Faeces	Detection of: <i>Mycobacterium tuberculosis</i> DNA Rifampicin-resistance genes	Cepheid GeneXpert multiplex, real-time PCR  IS/BAC/RESPBSOP040
Urine	Identification and quantification of white blood cells, red blood cell, epithelial cells,	Manual microscopy method IS/BAC/URBSOP041
Urine	Detection, identification & quantification of: White blood cells Red blood cells Bacterial cells	Automated fluorescence flow cytometric urinalysis using: Sysmex UF-5000 IS/BAC/URBSOP041
Urine	Detection of: <i>S. pneumoniae</i> soluble antigen  <i>Legionella pneumophila</i> serotype 1 antigen	Abbott BinaxNOW <i>Streptococcus pneumoniae</i> Antigen Card IS/BAC/URBSOP042  Abbott BinaxNOW <i>Legionella</i> Urinary Antigen Card IS/BAC/URBSOP043



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HUMAN BODY TISSUE AND FLUIDS AS SWABS OR LIQUID SWABS (cont'd)	<u>Microbiology examination activities for the purpose of clinical diagnosis:</u> (cont'd)	In-house documented procedures based on manufacturer's instructions and UK SMIs as relevant:
Blood Cultures	Detection of microbial growth	Becton Dickinson BACTEC FX culture system; colorimetric sensor IS/BAC/BCBSOP037
Faeces	Isolation and identification of organisms of clinical significance	Manual Inoculation and culture S/BAC/FXBSOP030
Faeces	Detection and identification of ova, cysts and parasites	Manual method using Parasep concentrator and light microscopy IS/BAC/FXBSOP031
Saline swabs	Detection and identification of ova of Enterobius vermicularis	Light Microscopy IS/BAC/FXBSOP031
Faeces	Detection of Clostridioides difficile Toxins A & B	Techlab QuikChek Immunochromatographic assay IS/BAC/FXBSOP035
Faeces	Detection of Helicobacter pylori antigen	Dynex DS2 EIA and Premier Platinum HpSA PLUS IS/BAC/FXBSOP033 IS/BAC/FXBSOP047
Cultures isolated in house from routine and blood samples listed above	Identification of organisms of clinical significance	Brucker Matrix Assisted Laser Desorption Ionisation Time of Flight MALDI-ToF Biotyper system  IS/BAC/OTHBSOP060  Biomerieux Vitex 2XL IS/BAC/SENBSOP045  Manual biochemical and enzymatic tests IS/BAC/OTHBSOP070 IS/BAC/OTHBSOP064



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HUMAN BODY TISSUE AND FLUIDS AS SWABS OR LIQUID SWABS (cont'd)  Pure culture of isolates of clinical significance from the samples listed above	<u>Microbiology examination activities for the purpose of clinical diagnosis:</u> (cont'd)  Antimicrobial susceptibility testing and determination of minimum inhibitory concentration (MIC)	In-house documented procedures based on manufacturer's instructions and UK SMIs as relevant:  VITEK 2XL utilising EUCAST breakpoint guidelines IS/BAC/SENBSOP045  Manual disc diffusion method utilising EUCAST breakpoint guidelines IS/BAC/SENBSOP046
END		