


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>UKAS MEDICAL</p> <p>8860</p> <p>Accredited to ISO 15189:2012</p>	<h3>HSL (Analytics) LLP</h3> <p>Issue No: 015 Issue date: 15 April 2024</p>	
	<p>The Halo Building 1 Mabledon Place London WC1H 9AJ</p>	<p>Contact : Jacqueline Sutherland Tel : +44 (0) 20 7307 7342 E-Mail : jacqueline.sutherland@hslpathology.com Website: www.hslpathology.com</p>
<p>Testing performed by the Organisation at the locations specified below</p>		

Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details	Activity	Location code
<p>Address Department of Infection Sciences The Halo Building 1 Mabledon Place London WC1H 9AJ</p> <p>Local contact Jacqueline Sutherland +44 (0) 20 7307 7373</p>	Microbiology	A
<p>Rapid Response Laboratory Royal Free Hospital Pond Street London NW3 2QG</p> <p>Jacqueline Sutherland +44 (0) 20 7307 7373</p>	Microbiology	B

Site activities performed away from the locations listed above:

Location details	Activity	Location code
<p>Rapid Response Laboratory North Middlesex University Hospital Sterling Way Edmonton N18 1QX</p> <p>Jacqueline Sutherland</p>	Blood culture loading and analysis; positive samples transferred to Location A for processing	C
<p>Rapid Response Laboratory Barnet Hospital Wellhouse Lane Barnet EN5 3DJ</p> <p>Jacqueline Sutherland</p>	Blood culture loading and analysis; positive samples transferred to Location A for processing Specimen reception and transport of microbiology samples to Location A for processing	D



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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 BODY FLUIDS AND TISSUES	<u>General Microbiology</u> <u>Examination activities for the purpose of clinical diagnosis</u>	In house documented methods based on related UK Standards for Microbiology Investigations (SMIs) and incorporating manufacturers' instructions where relevant	
Swabs from genital sites, wound sites, eyes, throats ears and related body sites and respiratory samples	General isolation of micro-organisms of clinical significance	Automated culture onto selected media using BD Kiestra SOPs MIC1-MP3-11, MIC1-MP3-1, MIC1-MP3-4, MIC1-MP3-9, MIC1-MP3-10	A
Swabs from genital sites, wound sites, eyes, throats ears and related body sites. Fluids, lines, tips, tissues, pus and respiratory samples	General isolation of micro-organisms of clinical significance	Manual culture onto selected media SOPs MIC1-MP3-1, MIC1-MP3-10/1, MIC1-MP3-12, MIC1-MP3-4/9	A
Ear, nose, throat axilla and other swabs from body sites as may be requested	Isolation and identification of MRSA bacteria	Manual culture using chromogenic media SOP MIC4-MP4-15	A
Nose swabs	Detection of mecA and mecC strains of MRSA	PCR using Cepheid GeneXpert Infinity SOP SAM2-MP0-4	A
Whole Blood, fluid, tissue, bone	Detection of microbial growth and isolation of micro-organisms of clinical significance	By fluorescence detection using Bactec FX SOP MIC2-MP3-6/7, MIC1-MP3-12	A, C & D
Bacterial and yeast cultures isolated in-house	General identification of micro-organisms of clinical significance	By matrix assisted laser desorption ionisation using Bruker MALDI-ToF SOP MIC4-MP4-21	A
Presumptive positive cultures from Bactec FX	Provisional identification of organisms of clinical significance	Bruker Sepsityper and Bruker MALDI-ToF SOP MIC2-MP3-8	A
Rectal swabs	Isolation of: Carbapenemase Producing Enterobacteriaceae	Manual culture using chromogenic media SOP MIC4-MP4-16	A



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HUMAN BODY FLUIDS AND TISSUES (cont'd)	<u>General Microbiology (cont'd)</u> <u>Examination activities for the purpose of clinical diagnosis (cont'd)</u>	In house documented methods incorporating manufacturers' instructions where relevant	
Presumptive positive cultures from Bactec FX	Provisional identification of Candida sp.	By immunofluorescence using Candida QuickFISH SOP MIC2-MP3-8	A
Bacterial cultures isolated in-house	General identification of micro-organisms of clinical significance	General kit based biochemical identification methods: SOP MIC2-MP3-9-Q-3 Oxidase SOP MIC2-MP3-4 Phadebact GC SOP MIC2-MP3-9-Q-4 Prolex Streptococcus Grouping SOP MIC2-MP3-10Prolex Staph Latex kit SOP MIC2-MP3-10 Clearview Rapid Group A	A
Female Genital specimens	Diagnosis of Bacterial vaginosis	Manual Gram stain SOP MIC2-MP3-4	A
Vaginal swabs	Detection of Trichomonas vaginalis	Manual Inverted Microscopy and culture in liquid media SOP MIC2-MP3-4	A
Bacterial cultures isolated in-house	Antimicrobial susceptibility testing	By MIC testing using BD Phoenix and EUCAST guidelines SOP MIC4-MP4-23	A
		Manual disc diffusion using antimicrobial discs and EUCAST guidelines SOP MIC4-MP4-18, MIC4-MP4-3	A
		Gradient MIC using E-test SOP MIC4-MP4-24	A
Bacterial cultures isolated in-house	Colistin susceptibility testing	Broth microdilution using ComASP SOP MIC4-MP4-24	A
Bacterial cultures isolated in-house	Detection of Carbapenemase production	Immunochromatography using NG-Test Carba5 lateral flow assay SOP MIC4-MP4-16	A



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HUMAN BODY FLUIDS AND TISSUES (cont'd)	<u>General Microbiology (cont'd)</u>		
	<u>Examination activities for the purpose of clinical diagnosis (cont'd)</u>	In house documented methods incorporating manufacturers' instructions where relevant	
Sputum, EBUS, BAL, urine, lymph node biopsy, body fluids, tissues, gastric washings	Isolation of mycobacteria of clinical significance	By fluorescence detection using BD MGIT 960 SOP MIC1-MP3-5	A
Blood and bone marrow	Isolation of mycobacteria of clinical significance	By fluorescence detection using Bactec FX40 SOP MIC1-MP3-5	
Liquid culture media from positive blood cultures	Detection of Mycobacterium tuberculosis complex	Immunochromatography using TBCheck MPT64 SOP MIC1-MP3-5	A
Sputum	Detection of Mycobacterium tuberculosis complex and Rifampicin Resistance	PCR using Cepheid GeneXpert SOP MIC1-MP3-2	A
Urine	Detection and quantification of white cells, bacteria, red blood cells, casts and yeasts.	Microscopy using Menarini Sedimax (automated) SOP MIC4-MP4-10	A
		Manual microscopy using microtitre tray and inverted microscope SOP MIC4-MP4-10	A
Urine	Detection and quantification of white blood cells, bacteria, red blood cells, WBC clumps, hyaline casts, pathological casts, epithelial cells, crystals, musus and yeasts.	Microscopy using Menarini Sedimax LITE SOP MIC4-MP4-2	A & B
Urine	General identification of micro-organisms of clinical significance	Manual culture using chromogenic media SOP MIC4-MP4-102	A
Rectal swabs	Isolation of Vancomycin resistant enterococci	Manual culture using chromogenic media SOP MIC4-MP4-107	A



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	<u>Examination activities for the purpose of clinical diagnosis (cont'd)</u>	In house documented methods incorporating manufacturers' instructions where relevant	
Faeces	Detection of Helicobacter antigen	Automated ELISA using Gemini with reference to the following kits and procedures: Meridian Premier HpSA Plus SOP MIC5-MP4-2	A
Blood cultures, fluids, tissues, bone and cultures isolated in-house	Differentiation between Gram positive and negative bacteria	Manual microscopy using Gram stain and ELITech stainer SOP MIC1-MP3-15	A
	Detection of acid fast bacilli	Manual microscopy using Auramine stain and ELITech stainer SOP MIC1-MP3-15	
CSF	Differentiation of white blood cells	Manual microscopy using Giemsa stain and ELITech Stainer SOP MIC1-MP3-15	
	Examination for white and red blood cells, bacteria and yeasts	Manual microscopy using C-Chip counting chamber and light microscope SOP MIC1-MP3-10	A
Fluids	Detection and identification of birefringent crystals	Polarising microscopy SOP MIC1-MP3-14	A
Hair, nails, skin scales, sputum tissues, mouth swabs	Isolation and identification of fungi of clinical significance	Manual culture and microscopy using lactophenol cotton blue stain SOP MIC3-MP4-1, MIC3-MP4-2	A
Serum & CSF	Detection of cryptococcal antigen	Immunochromatography using IMMY lateral flow assay SOP MIC3-MP4-5	A
Urine	Detection of Histoplasma antigen	Immunochromatography using Miravista lateral flow assay SOP MIC3-MP4-5	A



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Fungal cultures isolated in-house	Antifungal susceptibility testing	Broth microdilution and agar diffusion assay using EUCAST and Bristol PHE guidelines SOP MIC3-MP4-2	A
Faeces	Detection of enteric pathogens: Salmonella, Shigella, Campylobacter and Escherichia coli shigatoxin 1 (Stx 1) and 2 (Stx 2), Cryptosporidia and Giardia sp.	PCR using SeroSep Enteric Bio assay and Lightcycler SOP MIC5-MP4-6, MIC5-MP4-4	A
Serum	Detection of Cryptococcal capsular polysaccharide antigen	Latex particule agglutination using Immy CrAg LFA SOP MIC3-MP4-5	A
Urine	Detection of Legionella pneumophila serogroup 1 antigen	Immunochromatography using Binax Now Legionella SOP MIC4-MP4-13	A
Urine	Detection of Pneumococcal soluble antigen	Immunochromatography using Binax Now Strep pneumoniae Antigen Card SOP MIC4-MP4-13	A
Serum	Antifungal Therapeutic Drug Monitoring for Triazole levels: Itraconazole Voriconazole Posaconazole	HPLC using Agilent 1260 Infinity II and Chromosystems kit SOP MIC3-MP4-6	A
Skin, nail, hair	Detection of superficial fungi of clinical significance	PCR using Dermagenius RT-PCR using MYRA & MIC PCR systems SOP MIC3-MP1-1	A
Yeast cultures isolated in-house	Fluconazole, Nystatin & Clotrimazole susceptibility testing	Manual method using anti-fungal discs SOP MIC3-MP4-2	A



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HUMAN BODY FLUIDS AND TISSUES (cont'd)	<u>General Microbiology (cont'd)</u> <u>Examination activities for the purpose of clinical diagnosis (cont'd)</u>	In house documented methods incorporating manufacturers' instructions where relevant	
BAL & sputum	Detection of <i>P. jirovecii</i>	PCR using EZ1 extraction, Rotorgene 6000 RT-PCR platform and OLM PneumID assay SOP MIC3-MP4-2	A
Staphylococcal cultures isolated in-house	Detection of PVL toxin gene	PCR using MYRA RT-PCR & Ridagene assay SOP MIC4-MP4-7	A
BAL & sputum	Detection of <i>Chlamydia pneumoniae</i> , <i>Legionella pneumophila</i> , <i>L. longbechae</i> & <i>Mycoplasma pneumoniae</i>	PCR using QiaSymphony, Rotorgene 6000-RT-PCR and Anatolia assay SOP PCR2-MP5-125	A
BAL, sputum and induced sputum	Detection of <i>Aspergillus</i> sp	PCR using Bruker Fungiplex with MYRA & MIC PCR systems SOP MIC3-MP4-3	A
Serum	Detection of Beta D 1-3-β-D-Glucann	ELISA using DS2 platform, Biotek ELx808 plate reader and Fungitell assay SOP MIC3-MP4-4	A
Serum & BAL	Detection of Galactomannan	ELISA using DS2 platform and Platella <i>Aspergillus</i> assay SOP MIC3-MP4-4	A
EDTA whole blood	Detection of DNA from the following <i>Candida</i> species: <i>C. albicans</i> and/or <i>Candida tropicalis</i> <i>Candida parapsilosis</i> <i>Candida Krusei</i> and/or <i>Candida glabrata</i>	T2MR technology (PCR and magnetic resonance) using T2Dx Instrument (T2 Biosystems) SOP MIC3-MP4-8	
Bacterial cultures	Confirmatory testing for the identification of <i>Neisseria gonorrhoea</i>	Enzymatic testing using TCS Biosciences GonoCheck II	A



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Stool Samples	<u>Examination activities for the purpose of clinical diagnosis (cont'd)</u> C. difficile toxin detection	EIA using Techlab QuikCheck	A
Swabs	Identification of Vancomycin Resistant Enterococci	Culture using Chromogenic Agar	A
Bacterial cultures	<u>Identification of Bacterial Pathogens</u>	Culture using manual methods and automatic reading by APAS independence analyser (Clever Cultures Systems)	A
HUMAN BODY FLUIDS AND TISSUES (cont'd)	<u>General Biochemistry</u>	In house documented methods incorporating manufacturers' instructions where relevant	
Urine	<u>Examination activities for the purpose of clinical diagnosis (cont'd)</u> Glucose Protein Bilirubin Urobilinogen pH Blood Ketones Nitrites Leucocytes	Uriflet S strips and Aution Max analyser SOP MIC4-MP4-9	A
END			