


# 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</p> <p>8860</p> <p>Accredited to ISO 15189:2012</p>	<h3>HSL (Analytics) LLP</h3> <p>Issue No: 009    Issue date: 30 June 2021</p>	
	<p>The Halo Building 1 Mabledon Place London WC1H 9AJ</p>	<p>Contact: Jacqueline Sutherland Tel: +44 (0) 20 7307 7342 E-Mail: <a href="mailto:jacqueline.sutherland@hslpathology.com">jacqueline.sutherland@hslpathology.com</a> Website: <a href="http://www.hslpathology.com">www.hslpathology.com</a></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><b>Address</b> Department of Infection Sciences The Halo Building 1 Mabledon Place London WC1H 9AJ</p> <p><b>Local contact</b> Jacqueline Sutherland  +44 (0) 20 7307 7373</p>	Microbiology	A
<p>High Level Isolation Unit Laboratory Royal Free Hospital Pond Street London NW3 2QG</p> <p>Jacqueline Sutherland  +44 (0) 20 7307 7373</p>	Biochemistry Haematology	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
<b>HUMAN BODY FLUIDS AND TISSUES</b>	<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	<u>General Microbiology</u> <u>Examination activities for the purpose of clinical diagnosis</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  Manual disc diffusion using antimicrobial discs and EUCAST guidelines SOP MIC4-MP4-18, MIC4-MP4-3  Gradient MIC using E-test SOP MIC4-MP4-24	A  A  A



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HUMAN BODY FLUIDS AND TISSUES	<u>General Microbiology</u> <u>Examination activities for the purpose of clinical diagnosis</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
Urine	General identification of micro-organisms of clinical significance	Manual microscopy using microtitre tray and inverted microscope SOP MIC4-MP4-10	A
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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HUMAN BODY FLUIDS AND TISSUES	<u>General Microbiology</u> <u>Examination activities for the purpose of clinical diagnosis</u>	In house documented methods incorporating manufacturers' instructions where relevant  Automated ELISA using Gemini with reference to the following kits and procedures:	
Faeces	Detection of Helicobacter antigen	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  Detection of acid fast bacilli	Manual microscopy using Gram stain and ELITech stainer SOP MIC1-MP3-15  Manual microscopy using Auramine stain and ELITech stainer SOP MIC1-MP3-15	A
CSF	Differentiation of white blood cells  Examination for white and red blood cells, bacteria and yeasts	Manual microscopy using Giemsa stain and ELITech Stainer SOP MIC1-MP3-15  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



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HUMAN BODY FLUIDS AND TISSUES	<u>General Microbiology</u> Examination activities for the purpose of clinical diagnosis	In house documented methods incorporating manufacturers' instructions where relevant	
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
Faeces	Detection of Occult blood	Faecal immunochemical test using Mast OC Sensor SOP MIC5-MP4-1	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



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HUMAN BODY FLUIDS AND TISSUES	<u>General Biochemistry</u>	In house documented methods incorporating manufacturers' instructions where relevant	
Urine	<u>Examination activities for the purpose of clinical diagnosis</u>  Glucose Protein Bilirubin Urobilinogen pH Blood Ketones Nitrites Leucocytes	Uriflet S strips and Aution Max analyser SOP MIC4-MP4-9	A
HUMAN BODY FLUIDS	<u>Haematology</u>	In house documented methods and based on manufacturers' instructions where relevant	
EDTA Blood	<u>Examination activities for the purpose of clinical diagnosis.</u>  Full Blood Count: White blood cells, haemoglobin, haematocrit, mean cell volume, mean cell haemoglobin, mean cell haemoglobin concentration, platelets, lymphocytes, neutrophils, eosinophils, monocytes, basophils	Impedance technology with hydrodynamic focusing using Sysmex PochH-100i analyser SOP MIC-RF11-10	B
EDTA Blood	Coagulation:  Prothrombin time Activated Partial Thromboplastin Time (APTT)	Clotting analysis using Axis-Shield Thrombotrak Select 2 analyser SOP MIC-RF11-109	B



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HUMAN BODY FLUIDS  Serum	<u>Biochemistry</u>  <u>Examination activities for the purpose of clinical diagnosis.</u>	In house documented methods and based on manufacturers' instructions where relevant	B
	Anion Gap Bicarbonate Calcium (ionised) Chloride Creatinine Gases – pO <sub>2</sub> , pCO <sub>2</sub> Glucose Lactate pH Potassium Sodium Urea	Using Abbott iSTAT SOP MIC-RF11-5	
	Albumin Alanine Transaminase Alkaline Phosphatase Amylase Aspartate Transaminase Bilirubin (total) C-Reactive Protein Creatine Kinase Gamma Glutamyl Transferase Magnesium Phosphate Protein (Total)	Using Abaxis Piccolo Express SOP MIC-RF11-4	B
END			