


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>UKAS MEDICAL 8795</p> <p>Accredited to ISO 15189:2012</p>	<h3>Synnovis Analytics LLP</h3> <p>Issue No: 008 Issue date: 09 November 2023</p>	
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<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
Department of Microbiology Royal Brompton Hospital Sydney Street London SW3 6NP United Kingdom	Microbiology Virology	A
Pathology Specimen Reception Harefield Hospital-HH Hill End road Harefield Uxbridge UB9 6JH United Kingdom	Sample reception	B
Harefield Blood Sciences Laboratory Harefield Hospital-HH Hill End road Harefield Uxbridge UB9 6JH United Kingdom	SARS-CoV-2 Testing	C
Department of Biochemistry Royal Brompton Hospital Sydney Street London SW3 6NP United Kingdom	SARS-CoV-2 Testing	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 Broncho-alveolar lavage (BAL) CSF Cough swabs Eye and Ear swabs Fluids/Aspirates/Pus Genital Swabs Endotracheal traps (ETT), Nasopharyngeal Aspirate (NPA), sputum Line tips from various sites Pernal swabs Sputum samples for cystic fibrosis Throat swabs Tissue, biopsies lung, heart, pleura, sternum, lymph node, pacemaker, cardiac device, soft tissue Tissues and biopsies from lung, chest cavity, lymph nodes, sternum, heart Wound swabs Nose, throat, axillae, groin swabs, urine, sputum samples	<u>Microbiology examination activities for the purposes of clinical diagnosis</u> <u>Bacteriology:</u> General isolation and characterisation of micro-organisms of clinical significance	In-house documentation methods based on related UK Standards for Microbiology Investigations (SMIs) and incorporated manufacturers' instructions to support clinical diagnosis Manual in house documented method based on UK SMI M00035 M00031 M00351 M00351 M00350 M00351 M00035 M00350 M00351 M00035 M00351 M00035 M00023 M00350 M00351 Direct culture based on UK SMI with chromogenic agar in conjunction with in house documented method M00254	A
	Isolation of B. Pertussis	M00351 M00035	
	Isolation of fungi	M00023 M00350	
	Screening for the presence of MRSA	M00351	



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HUMAN BODY FLUIDS (cont'd)	<u>Microbiology examination activities for the purposes of clinical diagnosis (cont'd)</u>	In house documented methods based on related UK Standards for Microbiology Investigations (UK SMIs):	A
Rectal swabs, faces samples	Screening for Vancomycin resistant enterococci (VRE)	M00267	
Rectal swab, faeces	Screening for Carbapenemase (CRE) resistant organisms	M00374	
Whole blood	Detection of microbial growth and general isolation and characterisation of micro-organisms of clinical significance	Automated fluorimetric CO2 growth index detection using manufacturer's instructions for Becton Dickinson Bactec FX and documented method M00012	
Urine	Quantification of white and red blood cells, bacteria and epithelial cells	Manual inverted microscopy in conjunction with in house method M00025	
Urine	General isolation of micro-organisms of clinical significance	semi-quantitative culture on chromogenic agar in conjunction with in house method M00025	
Urine	Detection of <i>Legionella pneumophila</i> serotype 1 antigen	Manufacturer's instructions using Alere Binax NOW Legionella Immunochromatographic detection in conjunction with in house documented method M00062	
Urine	Detection of <i>Streptococcus pneumoniae</i> antigen	Manufacturer's instructions using Alere Binax NOW S. pneumoniae Immunochromatographic detection in conjunction with in house documented method M00311	
Faeces	General isolation and characterisation of Salmonella, Shigella, Campylobacter & E. coli O157, Vibrio & Yersinia enterocolitica	manual culture in conjunction with In house documented method M00022	



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HUMAN BODY FLUIDS (cont'd)	<u>Microbiology examination activities for the purposes of clinical diagnosis (cont'd)</u>	In house documented methods based on related UK Standards for Microbiology Investigations (UK SMIs):	A
Faeces	Detection of <i>Clostridioides difficile</i> Glutamate dehydrogenase (GDH) antigen and toxin A/B detection	Manufacturer's instructions for Techlab C. diff QuikCheck complete Immunochromatographic assay in conjunction with in house documented method M00022	
Faeces	Examination for the presence of parasites (ova, cysts, trophozoites and worms) of clinical significance	Manufacturer's instructions for Midi Parasep concentration and light microscopy in conjunction with in house method M00022	
Faeces	Detection of Norovirus I&II antigens	Manufacturer's instructions for Biopharm RidaQuick Norovirus Immunochromatographic kit and in house documented method M00022	
Faeces	Rotavirus and adenovirus antigens	Manufacturer's instructions for Apacor Rota/Adeno ag RapidTest Immunochromatographic kit and in house documented method M00022	
Skin, hair and nails	isolation and identification of clinically relevant yeasts and fungi	Manual inoculation, media culture, and microscopy using: SOP Fungi SOP M00023	
Cultures isolated in-house from all samples listed above	Identification of microorganisms of clinical significance	Manual biochemical methods and Automated biochemical methods using: Bruker MALDI-TOF (mass spectrometry) MALDI-TOF SOPM00381	



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<p>HUMAN BODY FLUIDS (cont'd)</p> <p>Respiratory samples sputum, bronchoalveolar lavage, tissue</p> <p>Respiratory samples sputum, bronchoalveolar lavage, tissue, MGIT growth fluid, LJ colony growth</p>	<p><u>Microbiology examination activities for the purposes of clinical diagnosis (cont'd)</u></p> <p>Detection of microbial growth and isolation of Mycobacteria sp. and Isolation and presumptive identification of Acid-alcohol fast bacilli</p> <p>Identification of clinically relevant Mycobacteria sp. :</p> <p>M. tuberculosis complex</p> <p>M. avium complex</p> <p>M. kansasii</p> <p>M.avium M.kansasii M.chelonae M.malmoense M.abscessus M.marinum/M.ulcerans</p>	<p>In house documented methods based on related UK Standards for Microbiology Investigations (UK SMIs):</p> <p>Auramine phenol staining and manual fluorescent microscopy on original sample. Automated fluorimetric CO2 growth index detection using manufacturer's instructions for Becton Dickinson MGIT and manual culture using LJ slopes in conjunction with documented method</p> <p>Phenotypic identification of Mycobacteria using the in house documented method M00196</p> <p>Manufacturer's instructions for Accuprobe Mycobacteria identification based on Nucleic acid hybridization using single stranded chemiluminescent probe measured in luminometer giving relative light units in conjunction with in house documented procedures M00198</p> <p>39000 M tuberculosis complex</p> <p>39001 M.avium complex</p> <p>102855 M kansasii</p> <p>Manufacturer's instructions for Genotype Mycobacteria kit luminometer – relative light units in conjunction with in house documented procedures M00231 Genotype Mycobacteria CM kit</p>	A



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HUMAN BODY FLUIDS (cont'd)	<p><u>Microbiology examination activities for the purposes of clinical diagnosis (cont'd)</u></p> <p>Identification of clinically relevant Mycobacteria sp. (cont'd):</p> <p>M.fortuitum M.tuberculosis complex M.gordonae M.peregrinum M.intracellulare M.xenopi M.scrofulaceum M.interjectum</p> <p>M.simiae M.szulgai M.mucogenicum M.phlei M.goodii M.haemophilum M.celatum M.kansasii M.smegmatis M.ulcerans M.genavense M.gastri M.lentiflavum M.asiaticum M.heckeshornense M.shimoidei</p>	<p>Manufacturer's instructions for Genotype Mycobacteria kit luminometer – relative light units in conjunction with in house documented procedures M00231</p> <p>Genotype Mycobacteria CM kit</p> <p>Genotype Mycobacteria AS kit</p>	A
Growth suspensions of mycobacteria	Susceptibility testing of mycobacteria sp.	Manufacturer's instructions for Becton Dickinson MGIT growth index detection and Thermo Scientific Sensititre Rapmyco1 and Slowmyco1 kits in conjunction with in house documented method M00201	A
Bacterial isolates	Antimicrobial susceptibility testing of clinically significant bacteria	Manual disc diffusion and zone size following EUCAST guidelines in conjunction with in house documented method M00037	A



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HUMAN BODY FLUIDS (cont'd)	<u>Microbiology examination activities for the purposes of clinical diagnosis (cont'd)</u>	In house documented methods based on related UK Standards for Microbiology Investigations (UK SMIs):	A
Bacterial isolates	<u>Microscopy</u> Detection of MIC of bacteria to a range of antimicrobials	Manufacturer's instructions for Etest and Thermo Fisher M.I.C.E for detection of MIC in conjunction with in house documented method M00189	
Isolates of yeasts and Aspergillus spp.	Antifungal susceptibility testing	Reading of M.I.C colorimetric endpoints using Manufacturer's instructions for Thermo Scientific Sensititre R010 kits for detection of antifungal susceptibility in conjunction with in house documented method M00369	
Genital samples ; vaginal, endocervical and urethral swab	Detection of Trichomonas vaginalis, clue cells, white & red cells, yeast	Light Microscopy M00351	
Joint fluids	Identification of crystals: Monosodium urate Calcium pyrophosphate	Polarising light Microscopy M00350	
CSF	Quantification and Identification of white and red blood cells	light microscopy using C-chip haemocytometer M00031 SOPM00042-ID tests	



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HUMAN BODY FLUIDS (cont'd)	<u>Microbiology examination activities for the purposes of clinical diagnosis (cont'd)</u>		
Serum	Detection of : Aspergillus galactomannan antigen	Manufacturer's instructions for Biorad Evolis Twin Plus (ELISA) analyser in conjunction with in house documented method M00348 M00372	A
	Hepatitis C antigen and antibody HCV Ab-Ag Ultra v2	M00136	
	Herpes simplex 1& 2 antibody	Biorad Platelia HSV 1&2 M00139	
	HTLV 1&2 antibody	Diasorin Murex HTLV I&II M00079	
	Measles IgG	Biorad Platelia Measles IgG M00367	
	Syphilis Total antibody	Biorad Syphilis Total M00156	
	Anti-HBs	Monolisa Anti-HBs PLUS M00385	
Serum	Anti streptolysin antibodies	Manufacturer's instructions for Rheumajet ASO latex agglutination kit in conjunction with in house documented method M00070	A



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<p>HUMAN BODY FLUIDS (cont'd)</p> <p>BAL, NPA, NPS, Nose and throat swabs in VTM, and sputum</p> <p>BAL</p>	<p><u>Microbiology examination activities for the purposes of clinical diagnosis (cont'd)</u> <u>Molecular</u></p> <p>Detection of: <i>Mycoplasma pneumoniae</i> DNA Respiratory virus DNA/RNA: Influenza A Influenza B Rhinovirus Parainfluenza 1,2,3 &4 Human Metapneumovirus A/B Respiratory Syncytial Virus A/B Adenovirus Enterovirus Parechovirus <i>Pneumocystis jirovecii</i> DNA</p>	<p>Manufacturer's instructions for Biomerieux NucliSENS EasyMag extraction, AusDiagnostics High-Plex 24 System and Upper Respiratory Pathogens & Atypical Pneumonia kits in conjunction with in house documented methods M00346, M00363</p>	<p>A</p>



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HUMAN BODY FLUIDS (cont'd)	<u>Microbiology examination activities for the purposes of clinical diagnosis (cont'd)</u>		
Anterior nasal swabs	Qualitative detection of SARS-CoV-2 virus RNA specific gene sequences Orf1a/b & S	Genesig COVID-19 Real-Time PCR using Biomerieux NucliSENS EasyMAG and/or eMAG extraction and RT-PCR using ABI 7500 SOPM00395	A
Nasopharyngeal swabs	Qualitative detection of SARS-CoV-2 virus RNA specific gene sequences NsP2 and N gene	NeuMoDx SARS Assay using NeuMoDx 96 Molecular System RT-PCR SOPM000394	A
Nasopharyngeal and Oropharyngeal swabs in viral transport media	Qualitative detection of SARS-CoV-2 virus RNA specific gene sequences Orf1a/b & N gene	DRW SAMBA II SARS-CoV-2 Assay using the SAMBA II Assay Module SOPOCT21	A, C, D
END			