


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 UKAS MEDICAL 8795 Accredited to ISO 15189:2012	Guy's and St. Thomas' NHS Foundation Trust	
	Issue No: 004 Issue date: 22 October 2021	
	Department of Microbiology Royal Brompton Hospital Sydney Street London SW3 6NP United Kingdom	Contact: Newara Ramadan Tel: +44 (0)2073518446 E-Mail: n.ramadan@rbht.nhs.uk Website: www.rbht.nhs.uk
Testing performed at the above address only		

Site activities performed away from the locations listed above:

Location details	Activity
Pathology Specimen Reception Harefield Hospital-HH Hill End road Harefield Uxbridge UB9 6JH United Kingdom	Sample reception Blood Culture incubation



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DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
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 Pernasal 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 Isolation of B. Pertussis Isolation of fungi Screening for the presence of MRSA	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 PHE SMI M00035 M00031 M00351 M00351 M00350 M00351 M00035 M00350 M00351 M00035 M00351 M00350 M00023 M00350 M00351 Direct culture based on PHE SMI with chromogenic agar in conjunction with in house documented method M00254



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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 (PHE SMIs):
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 9240 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 <i>S. pneumoniae</i> 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 (PHE SMIs):
Faeces	Detection of <i>Clostridium difficile</i> Glutamate dehydrogenase (GDH) antigen and toxin A/B detection	Manufacturer's instructions for Techlab C. diff QuikCheck complete Immuno chromatographic assay in conjunction with in house documented method M00022
Faeces	Detection of <i>Helicobacter pylori</i> antigen	Manufacturer's instructions for bioNexia rapid Immuno chromatographic detection of H pylori stool antigen in conjunction with in house documented method M00379
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 Immuno chromatographic kit and in house documented method M00022
Faeces	Rotavirus and adenovirus antigens	Manufacturer's instructions for Apacor Rota/Adeno ag RapidTest Immuno chromatographic 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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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 (PHE SMIs):
Respiratory samples sputum, bronchoalveolar lavage, tissue	Detection of microbial growth and isolation of Mycobacteria sp. and Isolation and presumptive identification of Acid-alcohol fast bacilli	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
Respiratory samples sputum, bronchoalveolar lavage, tissue, MGIT growth fluid, LJ colony growth	Identification of clinically relevant Mycobacteria sp. :	Phenotypic identification of Mycobacteria using the in house documented method M00196
	M. tuberculosis complex	39000 M tuberculosis complex
	M. avium complex	39001 M.avium complex
	M. kansasii	102855 M kansasii
	M.avium M.kansasii M.chelonae M.malmoense M.abscessus M.marinum/M.ulcerans	Manufacturer's instructions for Genotype Mycobacteria kit luminometer – relative light units in conjunction with in house documented procedures M00231 Genotype Mycobacteria CM kit



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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>
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
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



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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 (PHE SMIs):
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	Polarising light Microscopy M00350
CSF	Quantification and Identification of white and red blood cells	light microscopy using C-chip haemocytometer M00031 SOPM00042-ID tests
Serum	<u>Serology</u> Detection of :	Manufacturer's instructions for Biomerieux Vidas V30 (Enzyme Linked fluorescent Immunoassay (ELFA)) in conjunction with in house documented methods SOM00277/ M00360
	CMV IgG CMV IgM EBV IgG EBV IgM	



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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><u>Serology</u></p> <p>Detection of :</p>	<p>Manufacturer's instructions for Biomerieux Vidas V30 (Enzyme Linked fluorescent Immunoassay (ELFA)) in conjunction with in house documented methods SOM00277/ M00360</p>
Serum	<p>Hepatitis A IgM Hepatitis B surface antibody Hepatitis B surface antigen Hepatitis B core antibody Hepatitis B core IgM Hepatitis B e antigen and antibody HIV (1+2) antibodies and p24 antigen Rubella IgG Toxoplasma IgG Toxoplasma IgM Varicella zoster IgG</p>	<p>Manufacturer's instructions for Biorad Evolis Twin Plus (ELISA) analyser in conjunction with in house documented method M00348</p>
Serum	<p>Detection of :</p> <p>Aspergillus galactomannan antigen</p> <p>Hepatitis C antigen and antibody HCV Ab-Ag Ultra v2</p> <p>Herpes simplex 1& 2 antibody</p> <p>HTLV 1&2 antibody</p> <p>Measles IgG</p> <p>Syphilis Total antibody</p> <p>Anti-HBs</p>	<p>M00372</p> <p>M00136</p> <p>Biorad Platelia HSV 1&2 M00139</p> <p>Diasorin Murex HTLV I&II M00079</p> <p>Biorad Platelia Measles IgG M00367</p> <p>Biorad Syphilis Total M00156</p> <p>Monolisa Anti-HBs PLUS M00385</p>



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Serum	Anti streptolysin antibodies	Manufacturer's instructions for Rheumajet ASO latex agglutination kit in conjunction with in house documented method M00070
	Mycoplasma pneumoniae antibodies	Manufacturer's instructions for Fujirebio Serodia Myco II and manual processing in conjunction with in house documented method M00053
	<u>Molecular</u>	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
BAL, NPA, NPS, Nose and throat swabs in VTM, and sputum	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	
BAL	<i>Pneumocystis jirovecii</i> DNA	
END		