


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>UKAS MEDICAL 9032</p> <p>Accredited to ISO 15189:2012</p>	<p>The Mid Yorkshire Teaching NHS Trust</p> <p>Issue No: 008 Issue date: 22 July 2024</p>	
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<p>Testing performed at the above address only</p>		

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY FLUIDS AND TISSUES	<u>Microbiology examination activities for the purpose of clinical diagnosis</u>	Documented in-house methods based on related UK Standards for Microbiology Investigations (SMIs) and manufacturer's operating instructions, where relevant, to support clinical diagnosis
Urine	Detection and quantification of red cells, white cells, bacteria, epithelial cells, urinary casts and yeast cells.	Iris IQ 200 Sprint Flow Cytometry Automated urine microscopy and particle recognition SOP_MICRO-011
Swabs, Tissue, Faeces, Fluids, Respiratory samples	Isolation of bacterial and fungal species of clinical significance	Manual culture method using documented procedure in SOP_MICRO_011
	Isolation and characterisation of microorganisms of clinical significance.	Manual inoculation and media culture SOP_MICRO_006, SOP_MICRO_014 SOP_MICRO_005, SOP_MICRO_017, SOP_MICRO_023, SOP_MICRO_034, SOP_MICRO_033, SOP_MICRO_035, SOP_MICRO_036 SOP_MICRO_051, SOP_MICRO_069 SOP_MICRO_076 SOP_MICRO_011



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HUMAN BODY FLUIDS (cont'd)	<u>Microbiology examination activities for the purpose of clinical diagnosis</u> (cont'd)	Documented in-house methods and manufacturer's operating instructions to support clinical diagnosis
Skin scraping, Nail clippings, Hair samples	Isolation and identification of fungi of clinical significance Presence or absence of fungal elements	Media culture, macroscopic examination Light microscope Wet film microscopy SOP_MICRO_007
Clinical isolates cultured in-house (inc. bacteria/yeasts/fungi)	Identification of microorganisms of clinical significance.	Bruker Microflex Biotyper (MALDI-TOF) Mass spectrometry SOP_MICRO_063
Bacterial isolates cultured in-house	Antimicrobial susceptibility testing (AST)	Media culture Manual antimicrobial susceptibility testing using EUCAST methodology Antibiotic disc diffusion and gradient MIC determination SOP_MICRO_008, SOP_MICRO_053
Blood	Culture and detection of microorganisms of clinical significance	Becton Dickinson Bactec FX – liquid culture/fluorescent growth detection Media culture Liquid cultures including - adult blood cultures, paediatric blood cultures SOP_MICRO_016
Swabs, Tissue, Fluids, Faeces	Detection and quantification of white blood cells, red blood cells, epithelial cells and parasites.	Light microscope Centrifuge Wet film microscopy SOP_MICRO_043 SOP_MICRO_051



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HUMAN BODY FLUIDS (cont'd)	<u>Microbiology examination activities for the purpose of clinical diagnosis</u> (cont'd)	Documented in-house methods and manufacturer's operating instructions to support clinical diagnosis
Swabs, Tissue, Fluids	Differentiation of different organism types: gram positive/negative/variable, branching organisms, yeasts.	Light microscope Centrifuge Gram Staining microscopy SOP_MICRO_003
Swabs, Tissue, Fluids, Sputum, Faeces, presumptive AFB isolated in-house	Presence or absence of Acid Fast Bacilli	UV microscope Centrifuge Auramine fluorescent staining, microscopy SOP_MICRO_003
Faeces	Cryptosporidium oocysts	SOP_MICRO_003
Swabs, Tissue, Fluids	Presence or absence of Trichomonas vaginalis and diagnosis of bacterial vaginosis.	UV microscope Acridine orange fluorescent staining, microscopy SOP_MICRO_003
Swabs, Tissue, Faeces, Fluids, Sputum	Presence or absence of Acid Fast Bacilli	Light microscope Centrifuge Ziehl-Neelsen (hot/cold) stain microscopy SOP_MICRO_003
Faeces	Cyclospora oocysts Cryptosporidium oocysts	SOP_MICRO_003
Swabs Tissue, Respiratory tract samples, Fluids	Isolation and presumptive identification of Mycobacterium species	Becton Dickinson MGIT Centrifuge Class 1 Safety Cabinet Automated mycobacterial culture Fluorometric growth detection SOP_MICRO_035



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HUMAN BODY FLUIDS (cont'd)	<u>Microbiology examination activities for the purpose of clinical diagnosis (cont'd)</u>	Documented in-house methods and manufacturer's operating instructions to support clinical diagnosis
Urine	Detection of <i>Legionella pneumophila</i> serogroup 1 antigen	Lateral Flow EIA Device Manual immunochromatographic assay – Binax Now Legionella urinary antigen SOP_MICRO_038
Urine	Detection of Pneumococcal soluble antigen	Lateral Flow EIA Device Manual immunochromatographic assay – Binax Now Streptococcus pneumoniae urinary antigen SOP_MICRO_078
Naso-pharangeal Aspirate (NPA)	Detection of RSV fusion protein antigen	Lateral Flow EIA Device Manual immunochromatographic assay – Binax Now RSV antigen SOP_MICRO_033
Faeces	Detection of Norovirus antigen	Lateral Flow EIA Device Manual immunochromatographic assay – R-Biopharm RIDA QUICK Norovirus antigen detection SOP_MICRO_046



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<p>HUMAN BODY FLUIDS (cont'd)</p> <p>Vaginal swabs, cervical swabs rethral swabs, eye swabs, Urine</p> <p>Serum</p>	<p><u>Microbiology examination activities for the purpose of clinical diagnosis</u> (cont'd)</p> <p>Nucleic acid detection of: Chlamydia trachomatis</p> <p>Neisseria gonorrhoeae</p> <p>Detection of: HBs Ag* HBe Ag Anti-HBe HBc Ab HBc IgM Anti-HBs Hepatitis A IgG Hepatitis A IgM HIV Screen (Antigen, Antibody, p24)* Hepatitis C Antibody Rubella IgG Syphilis Screen (IgG and IgM)* CMV IgG CMV IgM VZV IgG Rubella IgM Toxoplasma IgG</p>	<p>Documented in-house methods and manufacturer's operating instructions to support clinical diagnosis</p> <p>Hologic Panther Target amplification nucleic acid probe tests for initial detection and subsequent confirmation SOP_MICRO_071</p> <p>Documented in-house methods to meet the requirements of the IDPS screening programme(s) as defined in the July 2018 'Infectious diseases in pregnancy screening: Laboratory QC evidence requirements (relevant tests marked with *)</p> <p>Roche Cobas e 602 random access immunoassay analyser Centrifuge SOP_MICRO_081 SOP_MICRO_012</p>



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Serum	Detection of: Hepatitis C Antibody (Confirmation) Measles IgG Mumps IgG EBV VCA IgG EBV IgM EBV NA IgG Procalcitonin (PCT) Borrelia (Lymes) IgM Borrelia (Lymes) IgG Chlamydia trachomatis IgG Parvovirus IgG Parvovirus IgM	Diasorin Liaison XL random access analyser Centrifuge SOP_MICRO_079, SOP_MICRO_012
Orthopaedic fluids	Presence or absence of Calcium pyrophosphate or Uric acid crystals to aid diagnosis of gout/pseudogout.	Polarised microscope Centrifuge Wet film microscopy SOP_MICRO_051
END		