


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>UKAS MEDICAL 8265</p> <p>Accredited to ISO 15189:2012</p>	<p>University Hospitals Sussex NHS Foundation Trust</p> <p>Issue No:003 Issue date: 28 June 2023</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
<p>HUMAN TISSUES AND FLUIDS</p> <p>Routine samples: Aspirates Cellular and fluid material contained on swabs, catheter tips and intra-uterine contraceptive devices Fluids Genital samples Pus Samples from sterile sites Semen Tissues Urine</p> <p>Cellular and fluid material contained on swabs</p> <p>Blood</p>	<p><u>Microbiological examination activities for the purpose of clinical diagnosis</u></p> <p><u>Microbiology</u></p> <p>Isolation of microorganisms of clinical significance</p> <p>Screening for Methicillin-Resistant <i>Staphylococcus aureus</i> (MRSA)</p> <p>Isolation of microorganisms of clinical significance</p>	<p>In-house documented procedures following current Public Health England (PHE) Standards for Microbiological Investigations (SMIs)</p> <p>Manual inoculation, incubation and manual reading of culture media using SOPs:</p> <p>[LP-MIC-INOC] [LP-MIC-GENSWABS] [LP-MIC-GENPUS] [LP-MIC-GU]</p> <p>Manual inoculation, incubation and manual reading of chromogenic or culture media using SOPs:</p> <p>[LP-MIC-INOC] [LP-MIC-SCREEN]</p> <p>Liquid media culture using SOP:</p> <p>[LP-MIC-BLOOD] and Biomerieux BacTAlert</p>



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HUMAN TISSUES AND FLUIDS (cont'd)	<u>Microbiological examination activities for the purpose of clinical diagnosis</u> (cont'd)	In-house documented procedures following PHE SMIs
Sterile site samples: Tissue Swabs Fluid Bone	Isolation of microorganisms of clinical significance	Manual or automated inoculation, incubation and manual reading of culture media using SOPs: [LP-MIC-INOC] [LP-MIC-GENSTERILSANDTISS]
Cerebrospinal fluid (CSF)	Detection, identification and quantification (inc. differential) of: White blood cells Red blood cells Bacterial cells	Staining (Gram stain and Methylene Blue differential stain) and microscopic examination using SOPs: [LP-MIC-STAIN] [LP-MIC-MICROSCOPY]
CSF	Isolation of microorganisms of clinical significance	Manual inoculation and media culture using SOP: [LP-MIC-CSF]
Bronchoalveolar lavage Bronchial aspirate, brushings & washings Cellular and fluid material contained on swabs Endotracheal tube specimens Nasopharyngeal aspirate Pleural fluid Sputum	Isolation of microorganisms of clinical significance	Manual inoculation and media culture using SOPs: [LP-MIC-INOC] [LP-MIC-RESP]
Aspirates Eye (specimens from) Fluids Tissues	Detection, identification and quantification of: White blood cells (including differential count on ascetic and peritoneal fluids) Red blood cells Bacterial cells Yeast cells and fungal hyphae	Staining (Gram stain and Methylene Blue differential stain) and microscopic examination using SOPs: [LP-MIC-STAIN] [LP-MIC-MICROSCOPY]



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HUMAN TISSUES AND FLUIDS (cont'd)	<u>Microbiological examination activities for the purpose of clinical diagnosis</u> (cont'd)	In-house documented procedures following PHE SMIs
Urine	Detection, identification and quantification of: White blood cells Red blood cells Squamous epithelial cells Bacterial cells Casts	Automated urinalysis, image capture and recognition using SOP : [LP-MIC-URINE] and A.Menarini Diagnostics SediMAX system and Manual microscopic examination using SOPs : [LP-MIC-URINE] [LP-MIC-MICROSCOPY]
Faeces	Isolation, identification and antimicrobial susceptibility of bacterial pathogens: <i>Campylobacter</i> spp. <i>Clostridium difficile</i> <i>Escherichia coli</i> O157 <i>Salmonella</i> sp. <i>Shigella</i> spp. <i>Vibrio</i> spp. <i>Yersinia</i> spp. <i>Pleisiomonas</i> spp.	Manual inoculation and media culture using SOP: [LP-MIC-ENTCULTURE]
Cultures isolated in-house from all samples listed above	Identification of microorganisms of clinical significance and their antimicrobial sensitivity using EUCAST methodology	Manual and/or automated biochemical and non-biochemical methods using SOPs: [LP-MIC-BACID] [LP-MIC-VITEKMS] [LP-MIC-ANTIBIOTIC] and using the Biomerieux VITEK MS Giles Scientific BIOMIC



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HUMAN TISSUES AND FLUIDS (cont'd)	<u>Microbiological examination activities for the purpose of clinical diagnosis</u> (cont'd)	In-house documented procedures following PHE SMIs
Female genital tract swabs	Microscopic diagnosis of bacterial vaginosis	Staining (Gram stain) and microscopic examination using SOPs: [LP-MIC-STAIN] [LP-MIC-MICROSCOPY] [LP-MIC-GU]
Hair Nail Skin	<u>Mycology</u> Isolation and identification of clinically significant dermatophyte fungi	Manual inoculation, media culture, and macroscopic & microscopic examination (stained & unstained) using SOPs : [LP-MIC-INOC] [LP-MIC-MICROSCOPY] [LP-MIC-MYCOL]
Faeces	<u>Parasitology</u> Detection of ova, cysts and parasites (OCP)	Unstained and iodine stained direct microscopic examination and/or Formol-ether faecal concentration and microscopic examination using SOPs: [LP-MIC-MICROSCOPY] [LP-MIC-PARASITE]
Faeces	Detection of <i>Cryptosporidium</i> oocysts	Cold Ziehl-Neelsen incident-light microscopic examination using SOPs: [LP-MIC-MICROSCOPY] [LP-MIC-PARASITE]
Urine	Detection of <i>Schistosoma haematobium</i> ova	Microscopic examination using in-house SOPs: [LP-MIC-MICROSCOPY] [LP-MIC-SCHIST]



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HUMAN TISSUES AND FLUIDS (cont'd)	<u>Microbiological examination activities for the purpose of clinical diagnosis</u> (cont'd)	In-house documented procedures following PHE SMIs
Sellotape slide Perianal swab	Detection of <i>Enterobius vermicularis</i> larvae and ova	Microscopic examination using SOPs: [LP-MIC-MICROSCOPY] [LP-MIC-PARASITE]
Bile Duodenal aspirates Jejunal aspirates	Detection of OCP including: <i>Strongyloides stercoralis</i> larvae, <i>Giardia lamblia</i> trophozoites <i>Cryptosporidium</i> oocysts <i>Cyclospora cayetanesis</i> oocysts <i>Cystoisospora belli</i> oocysts	Microscopic examination (unstained and stained – auramine phenol and Cold Ziehl-Neelsen) Using SOPs: [LP-MIC-MICROSCOPY] [LP-MIC-PARASITE]
Corneal scrapes Contact lenses	Detection of Acanthamoeba	Microscopic examination of culture plates using SOP: [LP-MIC-ACANTH]
Aspirates Cellular and fluid material contained on swabs Fluids Sputum Tissue Urine	Isolation and presumptive identification of Acid-alcohol fast bacilli (inc. <i>Mycobacterium</i> spp.)	Liquid culture, auramine phenol staining and incident-light fluorescence microscopy using SOPs: [LP-MIC-MYCOB] [LP-MIC-MICROSCOPY] and Biomerieux MB/BacT
Nasopharyngeal aspirate	Detection or exclusion of Respiratory syncytial virus	Membrane Immunochromatographic assay using SOP: [LP-MIC-RSVNPAS] and: Alere™ BinaxNOW® RSV



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<p>HUMAN TISSUES AND FLUIDS (cont'd)</p> <p>Urine</p> <p>Faeces</p> <p>Plasma Serum</p>	<p><u>Microbiological examination activities for the purpose of clinical diagnosis</u> (cont'd)</p> <p>Detection of <i>Legionella pneumophila</i> serotype 1 antigen</p> <p>Detection of Rotavirus</p> <p><u>Serological examination activities for the purpose of clinical diagnosis</u></p> <p>Microbial serology for: Anti-HBs CMV IgG CMV IgM HAVAb IgG HAVAb IgM Anti-HBc *HBsAg Qualitative Anti-HCV *HIV Ag/Ab COMBO Rubella IgG Rubella IgM</p>	<p>In-house documented procedures following PHE SMIs</p> <p>Membrane immunochromatographic assay using SOP: [LP-MIC-LEGAG] and BinaxNOW® Legionella urinary antigen test kit</p> <p>Immunogold-based horizontal-flow membrane assay using SOP: [LP-MIC-RO TENT] and ImmunoCard STAT!® Rotavirus kit</p> <p>Documented in-house methods to meet the requirements of the IDPS screening programme(s) as defined in the laboratory QA evidence requirements Abbott Architect i2000SR Chemiluminescence using SOPs: [LP-MIC-ARCHITECT] [LP-MIC-AHBS] [LP-MIC-CMVG] [LP-MIC-CMVM] [LP-MIC-HAVG] [LP-MIC-HAVM] [LP-MIC-HBcAb] [LP-MIC-HBV] [LP-MIC-HCV] [LP-MIC-HIV] [LP-MIC-RubellaIgG] [LP-MIC-RubellaIgM] and</p>



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Plasma Serum	Microbial serology for: Toxoplasma competition EBV EBNA IgG EBV VCA/EA IgG EBV VCA IgM Measles IgG Varicella zoster virus (VZV) IgG *Syphilis antibodies	Enzyme Immunoassay combined with final fluorescent detection (ELFA) using SOPs: [LP-MIC-VIDAS] [LP-MIC-TOXOV] [LP-MIC-EBVEBNA] [LP-MIC-EBVVACG] [LP-MIC-EBVVCAM] [LP-MIC-MEASIgG] [LP-MIC-VZVG] [LP-MIC-SyphilisTP] and Biomerieux VIDAS
Plasma Serum	Anti-streptolysin O titre (ASOT)	Manual agglutination method using SOP: [LP-MIC-ASO] and BioKit Rheumajet ASO
Plasma Serum	Rapid plasma regain (RPR)	Manual flocculation method using SOP : [LP-MIC-SyphilisTP] and BioKit RPR Reditest
Plasma Serum	Antibodies to <i>Treponema pallidum</i> (TPPA)	Particle-agglutination method using SOP: [LP-MIC-SyphilisTP] and SERODIA TP.PA
Faecal extracts	<i>Clostridium difficile</i> glutamate dehydrogenase (GDH) <i>C. difficile</i> toxins A & B	Automated EIA using SOP: [LP-MIC-CDIFF] and Alere DS2



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<p>HUMAN TISSUES AND FLUIDS (cont'd)</p> <p>Urine from males Endocervical swab Urethral swab Vaginal swab</p>	<p><u>Serological examination activities for the purpose of clinical diagnosis</u> (cont'd)</p> <p><u>Molecular diagnostics</u></p> <p>Detection of ribosomal RNA from: <i>Chlamydia trachomatis</i> <i>Neisseria gonorrhoeae</i></p>	<p>In-house documented procedures following PHE SMIs</p> <p>Nucleic acid amplification technique (NAAT) using SOP: [LP-MIC-PANTHER] and# Hologic Panther</p>
END		