


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>UKAS MEDICAL 9864</p> <p>Accredited to ISO 15189:2012</p>	<p>Mid and South Essex NHS Foundation Trust</p> <p>Issue No: 002 Issue date: 23 April 2020</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 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.	Beckman Coulter IQ 200 Sprint Flow Cytometry Automated urine microscopy and particle recognition SOP MICRO-ALL-LP-1 Investigation of Urine
Urine	Isolation and characterisation of microorganisms of clinical significance	Using manual inoculation and culture on chromogenic agar SOP MICRO-ALL-LP-1 Investigation of Urine
Urine	Detection of <i>Legionella pneumophila</i> serogroup 1 antigen and <i>Streptococcus pneumoniae</i> antigen	Alere BinaxNow <i>Legionella pneumophila</i> Urinary Ag card by lateral flow immunoassay Alere BinaxNOW <i>Streptococcus pneumoniae</i> Urinary antigen card by lateral flow immunoassay SOP MICRO-VIR-LP-6
Faeces	Isolation and characterisation of clinically significant microorganisms from the Gastrointestinal Tract.	Manual inoculation and media culture Light Microscopy
Faeces	Detection of DNA from <i>Salmonella</i> spp., <i>Shigella</i> spp., <i>Campylobacter</i> spp., <i>Escherichia coli</i> STEC, <i>Cryptosporidium</i> spp and <i>Giardia lamblia</i>	DNA Detection using Serosep EntericBio SOP MICRO-BACT-LP-2



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HUMAN BODY FLUIDS AND TISSUES (cont'd)	<u>Microbiology examination activities for the purposes of clinical diagnosis (cont'd)</u>	Documented in-house methods and manufacturer's operating instructions to support clinical diagnosis
Faeces	Detection of <i>Clostridium difficile</i> Glutamate dehydrogenase	Diasorin Liaison XL Analyser using chemiluminescent immunoassay
	Detection of <i>Clostridium difficile</i> Toxins A & B	Prolab Proflow toxins A&B by lateral flow immunoassay
	Detection of <i>Clostridium difficile</i> Toxin gene	Meridian Illumigene using loop mediated isothermal technology
		SOP MICRO-BACT-LP-15 Clostridium difficile Detection
Faeces	Detection of Helicobacter pylori faecal antigen	Diasorin Liaison XL H pylori using chemiluminescent immunoassay SOP MICRO-BACT-LP-18 Investigation of Helicobacter Antigen
Faeces	Detection and identification of Helminths, nematodes, flukes, parasitic larvae, protozoa, ova, eggs and cysts of clinical significance.	Using Apacor Parasep faecal concentrator kit and light microscopy.
		SOP MICRO-BACT-LP-2
Faeces	Quantification of Faecal Calprotectin	Diasorin Liaison XL using chemiluminescent immunoassay SOP MICRO-ALL-LP-1



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<p>HUMAN BODY FLUIDS AND TISSUES (cont'd)</p> <p>Swabs (ear, nose, throat, eye, wound, genital tract), CSF, tissue, fluids, respiratory samples</p>	<p><u>Microbiology examination activities for the purposes of clinical diagnosis (cont'd)</u></p> <p>Isolation and characterisation of microorganisms of clinical significance.</p>	<p>Documented in-house methods and manufacturer's operating instructions to support clinical diagnosis</p> <p>Manual inoculation and media culture SOP MICRO-BACT-LP-3 Investigation of Female Genital Swabs SOP MICRO-BACT-LP-6 Investigation of Lower Respiratory Tract Specimens SOP MICRO-BACT-LP-8 Investigation of Wound Swabs, Pus and Burns Tissue SOP MICRO-BACT-LP-9 Investigation of Samples from Normally Sterile Sites SOP MICRO-BACT-LP-11 Investigation of Upper Respiratory Tract Specimens SOP MICRO-BACT-LP-19 Examination of Cerebrospinal Fluid Samples</p>
<p>Swabs (Nose, Groin and wound)</p>	<p>Isolation and characterisation of <i>Staphylococcus aureus</i></p>	<p>Using manual inoculation and culture on chromogenic agar SOP MICRO-BACT-LP-4 Screening for <i>Staphylococcus aureus</i></p>
<p>Whole Blood & Normally Sterile Fluids (Ascitic, Eye, Pleural, Joint & Peritoneal)</p>	<p>Detection of clinically significant microorganisms</p>	<p>Using BioMerieux BacT/ALERT 3D SOP MICRO-BACT-LP-5 Investigation of Blood Cultures SOP MICRO-BACT-LP-9 Investigation of Normally Sterile Fluids</p>
<p>Sputum, tissue, fluids</p>	<p>Isolation and characterisation of <i>Mycobacteria</i> spp.</p>	<p>Using BioMerieux BacT/ALERT MP Light Microscopy using Auramine-Phenol Stain SOP MICRO-BACT-LP-7 Investigation of Specimens for <i>Mycobacterium</i> species SOP MICRO-BACT-PR-5 Gram and Auramine-Phenol Stains including the Polystainer use and maintenance</p>



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HUMAN BODY FLUIDS AND TISSUES (cont'd)	<u>Microbiology examination activities for the purposes of clinical diagnosis (cont'd)</u>	Documented in-house methods and manufacturer's operating instructions to support clinical diagnosis
Clinical isolates cultured in-house (inc. bacteria/yeasts/fungi)	Identification of microorganisms of clinical significance.	Using manual biochemical tests, staining and BioMerieux Vitek 2 SOP MICRO-ALL-LP-21 Manual Identification Tests SOP MICRO-ALL-LP-13 Vitek 2 Instrument Use and Maintenance SOP MICRO-BACT-PR-5 Gram and Auramine-Phenol Stains including the Polystainer use and maintenance
Clinical isolates cultured in-house (inc. bacteria/yeasts)	Antimicrobial susceptibility testing (AST)	Automated AST with MIC using BioMerieux Vitek 2 (EUCAST) Manual AST (BSAC) using media culture MIC Determination using gradient strips (EUCAST) SOP MICRO-ALL-LP-13 Vitek 2 Instrument Use and Maintenance SOP MICRO-ALL-LP-12 Antimicrobial Susceptibility Testing
CSF & Peritoneal Fluid	Quantification and differentiation of white blood cells and red blood cell quantification.	Manual method using Kova counting chamber. SOP MICRO-BACT-LP-19 Examination of Cerebrospinal Fluid Samples SOP MICRO-BACT-LP-9 Investigation of Normally Sterile Fluids
Swabs (female genital)	Detection of bacterial vaginosis	Gram stain interpreted using Hays criteria. SOP MICRO-BACT-LP-3 Investigation of Female Genital Swabs SOP MICRO-BACT-PR-5 Gram and Auramine-Phenol Stains including the Polystainer use and maintenance



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HUMAN BODY FLUIDS AND TISSUES (cont'd)	<u>Microbiology examination activities for the purposes of clinical diagnosis (cont'd)</u>	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	KOH digestion, Calcofluor staining Media culture, macroscopic examination Light microscopy Wet film microscopy SOP MICRO-BACT-LP-10 Investigation of Dermatological Specimens for Superficial Mycosis
Vaginal, cervical and urethral swabs Urine	Chlamydia trachomatis Neisseria gonorrhoeae Nucleic acid detection	Hologic Panther Target amplification nucleic acid probe tests for initial detection and subsequent confirmation SOP MICRO-ALL-PR-24
Vaginal, cervical and urethral swabs Urine	Trichomonas vaginalis Nucleic acid detection	Hologic Panther Target amplification nucleic acid probe tests for initial detection and subsequent confirmation SOP MICRO-ALL-PR-24



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HUMAN BODY FLUIDS AND TISSUES (cont'd)	<u>Microbiology examination activities for the purposes of clinical diagnosis (cont'd)</u>	Documented in-house methods and manufacturer's operating instructions to support clinical diagnosis
Serum	Detection of: HBs Ag HBe Ag anti-HBe HBc Ab HBc IgM anti-HBs Hepatitis A Antibody Hepatitis A IgM HIV Antigen/Antibody Hepatitis C Antibody Rubella IgG Rubella IgM Syphilis Antibody CMV IgG CMV IgM VZV IgG Toxoplasma gondii IgG Toxoplasma gondii IgM Bordetella pertussis IgA Bordetella pertussis IgM Mycoplasma pneumoniae IgG Mycoplasma pneumoniae IgM Measles IgG Mumps IgG EBV VCA IgG EBV VCA IgM EBNA IgG Borrelia burgdorferi IgM Borrelia burgdorferi IgG Parvovirus IgG Parvovirus IgM	Diasorin Liaison XL H pylori using chemiluminescent immunoassay SOP MICRO-VIR-PR-9
END		