


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 UKAS MEDICAL 9915 Accredited to ISO 15189:2012	East Sussex Healthcare NHS Trust	
	Issue No: 005 Issue date: 23 April 2021	
	Microbiology Laboratory Eastbourne Hospital Kings Drive Eastbourne East Sussex BN21 2UD	Contact: Charlotte Hendon-Dunn Tel: +44 (0) 1424 755255 ex 8789 / +44(0)300 131 4497 E-Mail: c.hendon-dunn@nhs.net Website: www.esh.nhs.uk
Testing performed by the Organisation at the locations specified below		

Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details	Activity	Location code
Address Microbiology Laboratory Eastbourne Hospital Kings Drive Eastbourne East Sussex BN21 2UD	Local contact Charlotte Hendon-Dunn	Microbiology Parasitology Mycology Serology Molecular Diagnostics
Address Conquest Hospital The Ridge St Leonards-on-Sea East Sussex TN37 7RD	Local contact Charlotte Hendon-Dunn	Microbiology (Out of hours limited specimen processing only)



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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 AND TISSUES	<u>Microbiology examination activities for the purposes 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	E
Wound swabs and superficial swabs	Isolation and characterisation of micro-organisms of clinical significance	WASP specimen processor inoculation using media culture MIJ-204 Manual inoculation and media culture (as described in SOPs below)	
Respiratory samples (sputum, Antral and nasopharyngeal aspirates, bronchial washings, cough swabs)		MIJ-103	
Genital swabs		MIJ-12	
Pus, Tissue, Fluids		MIJ-78	
ENT ear nose throat pernasal and eye swabs		SOPs MIJ-102, MIJ-103	
Serous fluids (Ascitic, Joint, duodenal)		MIJ- 2	
Feces/Stool		MIJ-103	
Urine		SOPs MIJ-5, MIJ-91, MIJ-7, MIJ-6	
Blood culture		SOPs MIJ-10, MIE-177	
CSF		SOPs MIJ- 200, MIJ-201	
Plastic devices (CVP line tips IUCD)		MIJ-4	
		MIJ-102	



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HUMAN BODY FLUIDS AND TISSUES (cont'd) Swabs from nose, groin, perineum, wounds, hairline, rectal and stool tips (not urinary catheter tips), sputum and urine	<u>Microbiology examination activities for the purposes of clinical diagnosis (cont'd)</u> Screening and detection of:	Documented in-house methods Manual inoculation and media culture MIJ-7, MIJ-30	E
	Carbapenemase Resistant Enterobacteriaceae (CRE)	MIJ-30	
	Extended-Spectrum Beta-lactamase (ESBL)	MIJ-7	
	TRUS Resistant Organism (GRO)	MIJ-96	
	Methicillin Resistant Staph aureus (MRSA)	MIJ-7	
	Vancomycin Resistant (VRE)	MIJ-7	
Blood	Culture and detection of microorganisms of clinical significance	Automated culture Becton Dickinson (BD) BACTEC FX400 Liquid culture/fluorescent growth detection Media culture Liquid cultures (adult/paediatric) SOPs MIJ-SOP-1, MIJ-202	E
Urine	Culture and detection of microorganisms of clinical significance with MIC breakpoint	Automated culture using microtitre plate culture and MIC antimicrobial breakpoint MAST Uri MIE-117	E



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HUMAN BODY FLUIDS AND TISSUES (cont'd)	<u>Microbiology examination activities for the purposes of clinical diagnosis</u> (cont'd)	Documented in-house methods	
Urine	Detection and quantification of white and red blood cells, bacteria and yeast cells	sediMax Analyser Automated urine microscopy and particle recognition using camera technology recognition MIJ-SOP-10	E
Urine, CSF, ascitic & pleural fluids, duodenal aspirates	Detection and quantification of white blood cells and red cells	Light microscope Centrifuge Wet film microscopy Kova Counting Grid SOPs MIJ-4 MIJ-102, MIJ-SOP-10	E
Blood cultures, CSF, pus, tissue, fluids, Bronchial lavages (BALs), organisms grown on culture (see organism identification) ENT eye swabs	Detection of microorganisms of clinical significance different organism types: gram positive/negative/variable branching organisms, yeasts	Direct Gram Stain Centrifuge Light microscopy using standard microscope MIE-98 MIJ-102, MIJ-103	E
Respiratory samples, organisms grown on culture (see organism identification)	Presence or absence of Acid Fast Bacilli	Acid fast staining Centrifuge Auramine fluorescent staining Fluorescent microscopy SOPs MIE-98, MIJ-2 MIJ-5, MIE-108	E
Genital swabs	Detection of bacterial vaginosis	Gram stain Light Microscopy MIJ-78 SOP	E
Clinical isolates cultured in-house (inc Bacterial /yeasts /fungi)	Isolation and characterisation of micro-organisms of clinical significance	Biomerieux VITEKMS Mass spectrometry MIJ-101	E
		Manual biochemical, enzymatic & agglutination methods MIJ21, MIJ22, MIJ 23	E



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HUMAN BODY FLUIDS AND TISSUES (cont'd)	<u>Microbiology examination activities for the purposes of clinical diagnosis</u> (cont'd)	Documented in-house methods	
Bacterial isolates cultured in-house	Antimicrobial susceptibility testing	Manual antimicrobial susceptibility testing using European Committee on Antimicrobial Susceptibility Testing (EUCAST) methodology and gradient MIC determination using standard culture media, antibiotic disks, MIC strips SOPs MIJ-99, MIJ-8, MIJ-30	E
	Detection of viral and bacterial antigen	Detection of specific organism antigens using commercial card test kits	E
Faeces/Stool	Rotavirus	Premier Rotavirus card antigen kit MIJ-SOP-6	E
Urine	Detection of Legionella antigen in urine	Binax Legionella urine direct antigen kit MIJ-203	E
Urine	Detection of Streptococcus pneumoniae soluble antigen in urine	Binax S. pneumoniae urine direct antigen kit MIJ-203	E
Nasopharyngeal aspirate	Respiratory Syncytial virus	Binax RSV direct antigen kit MIE-132	E
Faeces /Stool	Norovirus	RidaQuick Norovirus card antigen kit MIJ-7	E
Faeces/stool	Helicobacter pylori antigen	Manual Technique using Plate ELISA MIE-89	E
Faeces/Stool	C. difficile GDH antigen	Manual technique Premier Card antigen test kit MIJ-68	E



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HUMAN BODY FLUIDS AND TISSUES (cont'd)	<u>Microbiology examination activities for the purposes of clinical diagnosis</u> (cont'd)	Documented in-house methods	
Faeces/stool	Detection of viral and bacterial antigen (cont'd): Clostridium difficile Toxin A and B	Detection of specific organism antigens using commercial card test kits: Manual technique using Premier card test MIJ-9	E E
Joint Fluids	<u>Miscellaneous</u> Detection and identification of crystals (calcium pyrophosphate Sodium urate)	Polarised light microscopy MIJ-102	E
Faeces	<u>Parasitology</u> Identification/confirmation of Ova, Cysts and parasites	Concentrated wet film microscopy Centrifuge Parasep OCP concentration device Light microscope MIC-69	E
Fluids, Tissue	Identification/confirmation of Ova, Cysts and parasites	Concentrated wet film microscopy Centrifuge Light microscope MIC-69	E
Faeces/Stool	Detection of Cryptosporidium sp	Auramine fluorescent staining UV microscope MIJ-5	E
Clear adhesive tape slide	Detection of Enterobius vermicularis	Light Microscopy MIC-69	E
Urine	Detection of Schistosoma haematobium ova	Light Microscopy MIC-69	E



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HUMAN BODY FLUIDS AND TISSUES (cont'd)	<u>Microbiology examination activities for the purposes of clinical diagnosis</u> (cont'd)	Documented in-house methods	
Skin scrapings, Nail clippings, Hair samples	<u>Mycology</u> Microscopic determination of presence or absence of fungal elements	Direct microscopy MIC-63	E
Skin scrapings, Nail clippings, Hair samples	Isolation and characterisation of micro-organisms of clinical significance	Manual inoculation and media culture using selective plate culture Macroscopic and microscopic examination for identification MIC-63	E
Faeces/Stool	<u>Molecular</u> Detection of specific genes: C. difficile	NAATS amplification and detection using Cepheid GeneXpert SOPs MIC-81, MIE-137, MIE-78 MIE-78	E
Blood Cultures, nose swabs	MRSA/MSSA	SOPs MIE-118, MIE-119	
Respiratory nose throat viral swabs	Influenza A & B RNA	MIJ-15	
Genital swabs	Neisseria gonorrhoeae DNA	MIE-95	
Genital swabs	Chlamydia Trachomatis DNA	MIJ-102	
Faeces /Stool	Enteric screen (Salmonella, Shigella Campylobacter, Esch coli)	NAATS amplification and detection using Becton Dickenson BDMAX MIJ-91	E
Urine,	Chlamydia and Neisseria gonorrhoeae	NAATS amplification and detection using Becton Dickenson Becton Dickenson VIPER MIE-95	E
Genital swabs	Chlamydia and Neisseria gonorrhoeae, Herpes simplex virus	NAATS amplification and detection using Becton Dickenson Becton Dickenson VIPER MIE-95	E



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HUMAN BODY FLUIDS AND TISSUES (cont'd)	Microbiology examination activities for the purposes of clinical diagnosis (cont'd)	Documented in-house methods	
Serum	<p><u>Serology</u></p> <p>Detection of bacterial and viral antigen/ antibody:</p> <p>Toxoplasma IgG antibodies Varicella Zoster IgG antibodies Measles IgG antibodies HIV confirmation (detection of antibody and P24) HCV confirmation (detection of IgG antibody) Detection of EBV antibodies</p>	<p>Biomerieux mini VIDAS analyser Automated Fluorescent Enzyme immunoassay SOPs MIE-83, MIE-84, MIJ-32</p>	E
Serum	<p>Detection of bacterial and viral antigen/ antibody:</p> <p>HIV antibody, P24 antigen * Hepatitis A total and IgM antibody Hepatitis Bs antigen, Core antibody and s antibody* Cytomegalovirus Antibody IgG IgM Syphilis IgM, IgG screening antibody* Hepatitis C antibody Anti-streptolysin O antibody HIV HCV</p>	<p>Roche COBAS Automated enzyme immune assay SOPs MIJ-200, MIE-83</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>	E



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HUMAN BODY FLUIDS AND TISSUES (cont'd)	Microbiology examination activities for the purposes of clinical diagnosis (cont'd)	Documented in-house methods	
Blood (serum)	<u>Serology</u> Detection of specific and non-specific Syphilis antibodies (confirmation)	Manual technique Serodia (MAST) TPPA (Treponema passive particle agglutination assay) Axis Shield RPR (rapid plasma reagin) MIE-89	E
CSF, Ascitic Joint & pleural fluids Pus and Tissue	Conquest laboratory limited scope out of hours processing Detection and quantification of white blood cells and red cells	Light microscope Centrifuge Wet film microscopy Kova Counting Grid SOPs MIJ-4 MIJ-102, MIJ-SOP-10	C
CSF, Ascitic Joint & pleural fluids Pus and Tissue, corneal scrapes	Detection of microorganisms of clinical significance different organism types: gram positive/negative/variable branching organisms, yeasts	Direct Gram Stain Centrifuge Light microscopy using standard microscope SOPs MIJ-4 MIJ-102, MIJ-SOP-10 MIJ-SOP 2	C
CSF, Ascitic Joint & pleural fluids Pus and Tissue, corneal scrapes	Detection of microorganisms of clinical significance different organism types: gram positive/negative/variable branching organisms, yeasts	Manual inoculation and media culture SOPs MIJ-4 MIJ-102, MIJ-SOP-10 MIJ-SOP 2	C
Joint Fluids	Miscellaneous examination activities: Detection and identification of crystals (calcium pyrophosphate Sodium urate)	Polarised light microscopy MIJ-102	C

END