


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 Accredited to ISO 15189:2012	East Sussex Healthcare NHS Trust Issue No: 006 Issue date: 07 March 2023	
	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	E
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)	C



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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
<p>HUMAN BODY FLUIDS AND TISSUES</p> <p>Wound swabs and superficial swabs</p> <p>Respiratory samples (sputum, Antral and nasopharyngeal aspirates, bronchial washings, cough swabs)</p> <p>Genital swabs</p> <p>Pus, Tissue, Fluids</p> <p>ENT ear nose throat pernasal and eye swabs</p> <p>Serous fluids (Ascitic, Joint, duodenal)</p> <p>Faeces/Stool</p> <p>Urine</p> <p>Blood culture</p> <p>CSF</p> <p>Plastic devices (CVP line tips IUCD)</p>	<p><u>Microbiology examination activities for the purposes of clinical diagnosis</u></p> <p>Isolation and characterisation of micro-organisms of clinical significance</p>	<p>Documented in-house methods based on related UK Standards for Microbiology Investigations (SMIs) and manufacturer's operating instructions, where relevant, to support clinical diagnosis</p> <p>WASP specimen processor inoculation using media culture MIJ-204 Manual inoculation and media culture (as described in SOPs below)</p> <p>MIJ-103</p> <p>MIJ-12</p> <p>MIJ-78</p> <p>SOPs MIJ-102, MIJ-103</p> <p>MIJ- 2</p> <p>MIJ-103</p> <p>SOPs MIJ-5, MIJ-91, MIJ-7, MIJ-6</p> <p>SOPs MIJ-10, MIE-177</p> <p>SOPs MIJ- 200, MIJ-201</p> <p>MIJ-4</p> <p>MIJ-102</p>	E



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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	
Swabs from nose, groin, perineum, wounds, hairline, rectal and stool tips (not urinary catheter tips), sputum and urine	Screening and detection of:	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
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



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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	
Urine, CSF, ascitic & pleural fluids, duodenal aspirates	Detection and quantification of white blood cells and red cells	Light microscope Centrifuge Wet film microscopy Read Fast 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 MALDI-ToF 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	Meridian 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	C. difficile GDH antigen	Manual technique Meridian 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	
	Detection of viral and bacterial antigen (cont'd):	Detection of specific organism antigens using commercial card test kits:	E
Faeces/stool	Clostridium difficile Toxin A and B	Manual technique using Meridian card test MIJ-9	E
	<u>Miscellaneous</u>		
Joint Fluids	Detection and identification of crystals (calcium pyrophosphate Sodium urate)	Polarised light microscopy MIJ-102	E
	<u>Parasitology</u>		
Faeces	Identification/confirmation of Ova, Cysts and parasites	Concentrated wet film microscopy Centrifuge Parasep OCP concentration device Light microscope MIJ-SOP-49	E
Fluids, Tissue	Identification/confirmation of Ova, Cysts and parasites	Concentrated wet film microscopy Centrifuge Light microscope MIJ-SOP-49	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 MIJ-SOP-49	E
Urine	Detection of Schistosoma haematobium ova	Light Microscopy MIJ-SOP-49	E



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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	
	<u>Mycology</u>		
Skin scrapings, Nail clippings, Hair samples	Microscopic determination of presence or absence of fungal elements	Direct microscopy MIJ-SOP-105	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 MIJ-SOP-105	E
	<u>Molecular</u>		
	Detection of specific genes:	NAATS amplification and detection using Cepheid GeneXpert SOPs MIC-81, MIE-137, MIJ-SOP-9	E
Faeces/Stool	C. difficile	MIJ-SOP-9	
Blood Cultures, nose swabs	MRSA/MSSA	SOPs MIJ-SOP-41, MIJ-SOP-16	
Respiratory nose throat viral swabs	Influenza A & B RNA	MIJ-SOP-15	
Genital swabs	Neisseria gonorrhoeae DNA	MIJ-SOP-46	
Genital swabs	Chlamydia Trachomatis DNA	MIJ-SOP-46	
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 MIJ-SOP-46	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	<u>Serology</u> Detection of bacterial and viral antigen/ antibody: 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	Biomerieux mini VIDAS analyser Automated Fluorescent Enzyme immunoassay SOPs , MIJ-32	E
Serum	Detection of bacterial and viral antigen/ antibody: 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	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 *)' Roche COBAS Automated enzyme immune assay SOPs MIJ-200, MIJ-SOP-45	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) MIJ-SOP-40	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 Read Fast Counting Grid SOPs MIJ-4 MIJ-102, MIJ-SOP-10	C
CSF, Ascitic Joint & pleural fluids Pus and Tissue, corneal scrapes, Wound 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 SOPs MIJ-4 MIJ-102, MIJ-SOP-10 MIJ-SOP 2, MIJ-SOP-103	C
CSF, Ascitic Joint & pleural fluids Pus and Tissue, corneal scrapes, Wounds swabs	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, MIJ-SOP-103	C
Joint Fluids	Miscellaneous examination activities: Detection and identification of crystals (calcium pyrophosphate Sodium urate)	Polarised light microscopy MIJ-102	C
END			