


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <p><b>UKAS</b> MEDICAL 8647</p> <p>Accredited to ISO 15189:2012</p>	<p><b>Dorset County Hospital NHS Foundation Trust</b></p> <p>Issue No: 002 Issue date: 15 October 2020</p>	
	<p>Department of Microbiology Dorset County Hospital Williams Avenue Dorchester DT1 2JY</p>	<p>Contact: Sharon Wood Tel: +44 (0)1305 254326 E-Mail: sharon.wood@dchft.nhs.uk</p>
<p><b>Testing performed at the above address only</b></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 Peri-nasal swab Pus Samples from sterile sites Semen Sputum Tissues Urine Wound Respiratory samples</p> <p>Blood from transfusion bag</p> <p>Blood</p>	<p><u>Microbiological examination activities for the purpose of clinical diagnosis</u></p> <p>Isolation of microorganisms of clinical significance</p> <p>Isolation of microorganisms of clinical significance</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>Culture Manual inoculation. Incubation using: Enrichment culture MICRO SOP 0001, 0530,0340,0402 MICRO SOP 0441, 0022, 0443, 0005, 0149 MICRO SOP 0145, 0700 MICRO SOP 0701 Don Whitley gassing system MICRO-SOP-1231 MICRO-SOP-0010 MICRO-SOP-0018 MICRO-SOP-0020</p> <p>Manual inoculation. Incubation using: Culture MICRO SOP 0907 and Bactec FX40 and FX400 Culture MICRO SOP 0004 and 0556</p> <p>Culture Manual inoculation. Incubation using: Bactec FX40 and FX400 Culture MICRO SOP 0004 and 0556</p>



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HUMAN TISSUES AND FLUIDS (cont'd)	<u>Microbiological examination activities for the purpose of clinical diagnosis (cont'd)</u>	In-house documented procedures following current Public Health England (PHE) Standards for Microbiological Investigations (SMIs)
Eye swab from neonates	Gonorrhoea	Gram Staining and microscopic examination using MICOR SOP 0022M 1229
Pus Fluid (CSF, Ascitic, CAPD)	Detection, identification and quantification of: White blood cells Red blood cells Bacterial cells Yeast cells and fungal hyphae	Manual microscopy Cell count, using MICRO-SOP-0701, 0001, 0475
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: MICRO-SOP-0443 and 0005 And IQ200 system and/or Manual microscopic examination using: MICRO-SOP-0443
Faeces	Isolation 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.	Culture Manual inoculation and media culture using: MICRO-SOP-0444
Cultures isolated in-house from all samples listed above	Identification of microorganisms of clinical significance	Automated biochemical methods using: MICRO-SOP-0532 and Biomerieux Vitek 2
Cultures isolated in-house from all samples listed above	Identification of microorganisms of clinical significance	Manual biochemical tests using Biomerieux API 20E, 20NE, Strep, NH MICRO CONT DOC 0247, MICRO SOP 1229



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HUMAN TISSUES AND FLUIDS (cont'd)	<u>Microbiological examination activities for the purpose of clinical diagnosis (cont'd)</u>	In-house documented procedures following current Public Health England (PHE) Standards for Microbiological Investigations (SMIs)
Cultures isolated in-house from all samples listed above	Identification of Bacterial cells	Gram stain followed by light microscopy Pro-lab MICRO SOP 1229
Sputum or faeces	Acid Fast Bacilli- sputum Oocysts of Cryptosporidium- faeces	Auramine stain followed by Fluorescent microscopy Pro-lab MICRO SOP 1229
Sputum or faeces	Detection of Mycobacterium sp.	Ziehl Neelsen stain followed by light microscopy Pro-lab MICRO SOP 1229
Skin, hair and nails	Detection of fungal elements	Calcofluor white Remel Bactidrop MICRO SOP 0409
Bacterial cultures isolated in-house from all samples listed above	Antimicrobial susceptibility testing of clinically significant bacteria	Manual and/or automated antimicrobial susceptibility testing using EUCAST methodology and: Biomerieux e-test using in-house procedure MICRO-SOP-0680, 0681 and Vitek 2 MICRO SOP 0532 Disc diffusion & gradient minimum inhibitory concentration determination using in-house procedure and Thermo oxoid discs MICRO-SOP-0681
Hair Nail Skin	Isolation and identification of clinically significant dermatophyte fungi, Non-dermatophyte fungi and yeasts	Manual inoculation, media culture, and macroscopic & microscopic examination (stained & unstained) using: MICRO-SOP-0409
Faeces	Detection of ova, cysts and parasites (OCP)	Apacor Midi Parasep Faecal parasite concentrator using: MICRO-SOP 0451
Faeces	Detection of cryptosporidia oocysts	Auramine staining and manual microscopy using MICRO-SOP-0444



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HUMAN TISSUES AND FLUIDS (cont'd)	<u>Microbiological examination activities for the purpose of clinical diagnosis (cont'd)</u>	In-house documented procedures following current Public Health England (PHE) Standards for Microbiological Investigations (SMIs)
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 (non-automated) and solid phase culture, auramine and Ziehl Neelsen staining using: MICRO-SOP-0410
Faeces	Rotavirus	Microgen RotaAdenoscreen cassette MICRO SOP 0449A
Faeces	Adenovirus	Microgen RotaAdenoscreen cassette MICRO SOP 0449A
Faeces	H.pylori faecal antigen	Bioline SD H.pylori Ag MICRO CONT DOC 0247
Faeces	C.difficile toxin glutamate dehydrogenase (GDH) and Toxin A & B	Alere Techlab C.diff Quik Chek complete MICRO SOP 0342
Faeces Swab Urine	CPE screen	Biomerieux chromID smart, oxid brilliance CRE MICRO SOP 1230
Urine	Legionella Urinary Ag	Immunochromatographic assay Alere Binax Now test card and MICRO SOP 0363
Urine	Pneumococcal Urinary Ag	Immunochromatographic assay Alere Binax Now test card and MICRO SOP 0363
NPA	RSV	Immunochromatographic assay Alere Binax Now test card and MICRO SOP 0348



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HUMAN TISSUES AND FLUIDS	<u>Serological activities for the purpose of clinical diagnosis</u>	Documented in house methods incorporating manufacturers' instructions where relevant Using Biomerieux VIDAS30 (ELISA) and MICRO SOP 0354 with reference to:
Blood	Hepatitis B core antibody total	MICRO SOP 0534
	CMV detection IgG and IgM	MICRO SOP 0684
	EBV Serology VCA IgM, IgG and EBNA IgG	MICRO SOP 0533
	Hepatitis A IgM	MICRO SOP 0536
	Hepatitis B surface antigen	MICRO SOP 0535
	Hepatitis B surface antibody	MICRO SOP 0366
	Hepatitis C antigen/Antibody	MICRO SOP 0685
	Borrelia burgdorferi IgG and IgM	MICRO SOP 0538
	HIV 1 and 2 Ab/Ag	MICRO SOP 0537
	Measles IgG	MICRO SOP 0539
	Rubella IgG	MICRO SOP 0540
	Toxoplasma Total Ig	MICRO SOP 0541
	VZV IgG	MICRO SOP 0542
		Documented in house methods incorporating manufacturers' instructions where relevant Using Roche Cobas e411 (ECLIA):
	Hepatitis B surface antigen	MICRO SOP 0629
	Hepatitis C Antibody	MICRO SOP 0630
	HIV 1 and 2 Ab/Ag	MICRO SOP 0628
	Syphilis Antibody	MICRO SOP 0627



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HUMAN TISSUES AND FLUIDS (cont'd)	<u>Molecular examination activities for the purpose of clinical diagnosis</u>	Documented in house methods incorporating manufacturers' instructions where relevant:
Genital swab	DNA Molecular detection of HSV	Cepheid Smart cyler HSV1/2 assay on Smart cyler II Dx system MICRO SOP 0344
Endocervical swabs, vaginal swabs, male/female urine, vulval swabs, urethral swabs	Detection of <i>Chlamydia trachomatis</i> and <i>Neisseria gonorrhoeae</i> DNA	Roche COBAS4800 Nucleic acid amplification: MICRO SOP 0900  PCR using Cepheid GeneXpert: MICRO SOP 0143
Blood Cultures	DNA Molecular detection of: MRSA MSSA	MICRO SOP 0503
Faeces	Norovirus RNA	MICRO SOP 0504
Respiratory samples	Influenza A & B RNA	MICRO SOP 0501
Faeces	<i>C. difficile toxin A &amp; B</i> and binary toxin genes	MICRO SOP 0500
Nasopharyngeal, nose and throat swabs in VTM	Detection of SARS-CoV-2 virus RNA (COVID-19) specific nucleic acid targets: N2 and E	Real-time PCR using Cepheid GeneXpert Xpert® Xpress MICRO SOP0702
Plasma	HIV Viral load- RNA Quantification	MICRO SOP 0640
Plasma/serum	HCV viral loads- RNA Quantification	MICRO SOP 0820

END