

Schedule of Accreditation

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United Kingdom Accreditation Service

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

 <p>8520 Accredited to ISO 15189:2012</p>	University Hospitals of North Midlands NHS Trust Issue No: 005 Issue date: 21 November 2022	
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Testing performed at the above address only		

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY FLUIDS AND TISSUES Routine samples: Aspirates Cellular and fluid material contained on swabs, catheter tips Fluids Tissues	<u>Microbiology examination activities for the purposes of clinical diagnosis</u> General Bacteriology Isolation and characterisation of micro-organisms of clinical significance	In-house documented procedures based on manufacturer's instructions and PHE SMIs as relevant: Manual inoculation of non-selective selective, differential and chromogenic agar plates and liquid enrichment broth using in-house procedures MLPB01 General bacteriology media selection swabs booking MLPB01a media reference guide MLPB31 Eye MLPB32 sterile fluids microscopy and cell counts gram pluc differential MLPB33 intravascular cannulas MLPB34 Tissues deep wounds MLPB35 URT MLPB37 Screening for GPB MLPB38 screening for meningococci
Cellular and fluid material contained on swabs from genital samples, IUCD	Isolation and characterisation of micro-organisms of clinical significance	Manual inoculation of non-selective selective, differential agar plates and liquid media using in-house procedure microscopy MLPB02



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HUMAN BODY FLUIDS AND TISSUES (cont'd)	<u>Microbiology examination activities for the purposes of clinical diagnosis</u> (cont'd)	In-house documented procedures based on manufacturer's instructions and PHE SMIs as relevant:
Urine	General Bacteriology (cont'd) Detection and identification of Trichomonas sp. and organisms associated with bacterial vaginosis	Light Microscopy and Gram stain MLPB02 and MSP19
Urine	Quantitation of white and red blood cells, bacteria, yeasts, casts and epithelial cells	Sysmex UF5000 flow cytometry MLPB06
Urine	Isolation and characterisation of micro-organisms of clinical significance	Manual culture technique chromogenic agar MLPB06
Faeces	Isolation and characterisation of micro-organisms of clinical significance	Manual culture and biochemical and serological identification techniques MLPB13
Whole blood, ascitic fluid, CSF, peritoneal fluid, joint fluid in blood culture bottles pre-inoculated	Identification of Cryptosporidium spp.	Modified Ziehl Neelsen MLPB13
CSF	Detection of microbial growth and general isolation and characterisation of micro-organisms of clinical significance	Biomerieux BactAlert VIRTUO colourimetric growth detection and manual culture techniques MLPB09
CSF	Quantitation and differentiation of white blood cells, quantitation of red blood cells	cell count, Gram film and manual culture techniques MLPB30
Swabs from nose, throat, perineum, rectal and wound sites, catheters, urine, faeces,	Isolation of MRSA, MSSA, ESBL, MRGNB	Manual culture techniques chromogenic agar MLPB10 MLPB40
Respiratory samples sputum, bronchoalveolar lavage, tissue	Detection of microbial growth and isolation of Mycobacteria sp.	Becton Dickinson Bactec MGIT Fluorometric growth detection and manual culture and microscopy using Ziehl Neelsen and auramine stains MLPB05



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HUMAN BODY FLUIDS AND TISSUES (cont'd)	<u>Microbiology examination activities for the purposes of clinical diagnosis</u> (cont'd)	In-house documented procedures based on manufacturer's instructions and PHE SMIs as relevant:
Respiratory samples sputum, bronchoalveolar lavage, tissue	Detection of microbial growth and isolation of Mycobacteria sp.	Becton Dickinson Bactec MGIT Fluorometric growth detection and manual culture and microscopy using Ziehl Neelsen and auramine stains MLPB05
Respiratory samples sputum, bronchoalveolar lavage, tissue	Isolation and characterisation of micro-organisms of clinical relevance	Manual inoculation of non-selective selective, differential and chromogenic agar plates using in-house procedures MLPB08
Cultures isolated in house from routine and blood samples listed above	Identification of micro-organisms of clinical significance	BioMérieux MalDI-ToF Matrix Assisted Laser Desorption Ionization Time-of-Flight MLPB77 BioMérieux Vitek 2 MLPB23 MLPB43 Manual biochemical and serological techniques MLPB23 MLPB23 biochemical identification procedures
Relevant sample and in house isolated culture	Identification of Gram negative and Gram-positive organisms	Gram film MSP19
Urine	Detection of <i>Legionella pneumophila</i> serotype 1 antigen	Binax NOW Immunochromatographic assay MLPV04 MLPV45
Urine	Detection of <i>S. pneumoniae</i> antigen	Binax NOW Immunochromatographic assay MLPV04 MLPV046



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HUMAN BODY FLUIDS AND TISSUES (cont'd)	<u>Microbiology examination activities for the purposes of clinical diagnosis</u> (cont'd)	In-house documented procedures based on manufacturer's instructions and PHE SMIs as relevant:
Cultures isolated in house from all specimen types listed above	General Bacteriology (cont'd) Antimicrobial susceptibility testing and determination of minimum inhibitory concentration (MIC)	Automated Vitek 2 and manual disc diffusion methods using EUCAST guidelines MLPB43, MLPB45, MLPB04
Urine	Detection of <i>Legionella pneumophila</i> serotype 1 antigen	Binax NOW Immunochromatographic assay MLPV04 MLPV45
Urine	Detection of <i>S. pneumoniae</i> antigen	Binax NOW Immunochromatographic assay MLPV04 MLPV046
Urine	Detection of bHCG	Axis Shield UK Sure Step Immunochromatographic assay MLPB07, MLPB65
Faeces	Detection of <i>Clostridium difficile</i> GDH antigen and toxin A/B	QuickChek solid phase immunoassay MLPV22 MLPV83
Faeces	Detection of <i>Helicobacter pylori</i> antigen	Dynex DS2 EIA MLPB47 MLPB13
Faeces/Urine	Examination for the presence of parasites (ova, cysts, trophozoites and worms) of clinical significance	Midi ParaSep filtration, concentration and manual microscopy using Lugols iodine MLPB49
Faeces	Detection of rotavirus	Dynex DS2 EIA MLPB47 MLPB13



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<p>HUMAN BODY FLUIDS AND TISSUES (cont'd)</p> <p>Serum unless otherwise specified</p>	<p><u>Serological examination activities for the purposes of clinical diagnosis</u></p> <p>CMV IgG CMV IgM EBV IgG EBV IgM Hepatitis IgM Hepatitis B surface antigen Hepatitis B core antibody Hepatitis B core IgM Hepatitis B e antibody and antigen Hepatitis C antibody HIV I/II Mumps IgG Rubella IgG Rubella IgM Varicella zoster IgG</p> <p>Qualitative detection of: Hepatitis A IgM Hepatitis B surface antigen Hepatitis B core total antibody Hepatitis B surface antibody (quantitative) Hepatitis C antibody HIV I/II Rubella IgG</p>	<p>In-house documented procedures based on manufacturer's instructions and PHE SMIs as relevant:</p> <p>BioMérieux Vidas Enzyme Linked Fluorometric Assay (ELFA) MLPV11 MLPV12 MLPV51 MLPV52 MLPV53, MLPV54 MLPV55 MLPV56 MLPV29, MLPV58 MLPV29, MLPV50 MLPV29, MLPV90 MLPV29, MLPV57 MLPV91 MLPV53 MLPV61 MLPV63, MLPV29 MLPV64 MLPV41</p> <p>Roche Cobas Pro 801 Immunoassay analyser MLPV12, MLPV201</p> <p>MLPV12, MLPV201 MLPV12, MLPV201, MLPV29 MLPV12, MLPV201, MLPV29 MLPV12, MLPV201, MLPV29</p> <p>MLPV12, MLPV201 MLPV29 MLPV 12, MLPV201</p>



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HUMAN BODY FLUIDS AND TISSUES (cont'd)	<u>Molecular examination activities for the purposes of clinical diagnosis</u>	In-house documented procedures based on manufacturer's instructions and PHE SMIs as relevant:
Faeces, NPA, BAL, URT swabs, Blood	Extraction of DNA/RNA of clinically relevant organisms	BioMérieux EasyMag MLPV20
NPA, BAL URT swabs		Seegene Seeprep 12 MLPV89
		Cepheid GeneXpert multiplex, real-time PCR
Faeces	Detection of Clostridium difficile toxin gene	MLPV117, MLPV 133, MLPV 116, MLPV 100
Nasopharyngeal swabs	Detection of Influenza A/B, RSV	MLPV117
	Detection of DNA/RNA of :	Bio-Rad CVX96 Seegene Anyplex Multiplex DPO PCR in conjunction with Rv16 kit MLPV88
	Adenovirus (AdV) Influenza A virus (FluA) Influenza B virus (FluB) Parainfluenza virus1 (PIV1) Parainfluenza virus2 (PIV2) Parainfluenza virus3 (PIV3) Parainfluenza virus4 (PIV4) Rhinovirus A/B/C (HRV) Respiratory syncytial virus A (RSV A) Respiratory syncytial virus B (RSV B) Bocavirus 1/2/3/4 (HBoV) Metapneumovirus (MPV) Coronavirus 229E (CoV 229E) Coronavirus NL63 (CoV NL63) Coronavirus OC43 (CoV OC43) Enterovirus (HEV)	
NPA, BAL, URT swabs	Detection of Influenza A/B, RSV and HMPV	ABI7500 Fast/Biomérieux R-gene RT-PCR MLPV92
Genital /Oral swabs	Detection of Herpes simplex	ABI7500 real time PCR MLPV86



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<p>HUMAN BODY FLUIDS AND TISSUES (cont'd)</p> <p>CSF</p>	<p><u>Molecular examination activities for the purposes of clinical diagnosis</u> (cont'd)</p> <p>Detection of community acquired meningitis/encephalitis pathogens</p> <p>Escherichia coli K1 Haemophilus influenzae Listeria monocytogenes Neisseria meningitidis Streptococcus agalactiae Streptococcus pneumoniae Cryptococcus neoformans/gattii Cytomegalovirus (CMV) Enterovirus Herpes simplex virus 1 (HSV-1) Herpes simplex virus 2 (HSV-2) Human herpes virus 6 (HHV-6) Human parechovirus Varicella zoster virus (VZV)</p>	<p>In-house documented procedures based on manufacturer's instructions and PHE SMIs as relevant:</p> <p>BioMérieux Film Array Multiplex PCR MLPV120 MLPV136</p>
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