


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <b>9128</b> Accredited to ISO 15189:2022	<b>NHS Lanarkshire</b>	
	Issue No: 007    Issue date: 25 July 2024	
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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
<b>Address</b> Department of Microbiology Monklands Hospital Monkscourt Avenue Airdrie ML6 0JS	<b>Local contact:</b> Christel Bleasdale Tel: +44(0)1698 366405	Microbiology Serology A
<b>Address</b> Department of Microbiology Hairmyres Hospital Eaglesham Road East Kilbride Glasgow G75 8RG	<b>Local contact:</b> Christel Bleasdale Tel: +44(0)1698 366405	Microbiology B
<b>Address</b> Department of Microbiology Wishaw Hospital 50 Netherton Street Wishaw ML2 0DP	<b>Local contact:</b> Christel Bleasdale Tel: +44(0)1698 366405	Microbiology Serology Molecular pathology 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><b>HUMAN BODY FLUIDS AND TISSUES</b></p> <p>Faeces, swabs (rectal, vaginal, endocervical, cervical, penile, urethral, wound), ear, nose, throat, perinasal, mouth, eye, sinus, antral washouts, sterile body fluids (inc ascitic, pericardial, joint, blood bags), CAPD fluid, CSF, respiratory samples (sputum, bronchial lavage, pleural fluid), pus, bile, tissue, intravascular cannula and associated devices, urine</p>	<p><u>Microbiology examination activities for the purpose of clinical diagnosis</u></p> <p>Isolation, identification, and antibiotic susceptibility testing of bacteria of clinical significance</p>	<p>In house documented methods based on related UK Standards for Microbiology Investigations (SMIs)</p> <ul style="list-style-type: none"> <li>• Manual culture using prepared manufacturers' agar plates including chromogenic media</li> <li>• Manual gram stain</li> <li>• Antimicrobial susceptibility testing using disc diffusion &amp; EUCAST methodology/criteria.</li> <li>• Gradient MIC determination by E-test &amp; EUCAST criteria</li> <li>• Automated MIC by broth dilution using Vitek 2 XL &amp; EUCAST criteria</li> <li>• Identification using Vitek MS (site C only) and manual identification methods</li> </ul> <p>SOPs:</p> <ul style="list-style-type: none"> <li>• LP-LMIC-VITEK</li> <li>• LP-LMIC-AST</li> <li>• LP-LMIC-GEN</li> <li>• LP-LMIC-CPE</li> <li>• LP-LMIC-ENTERIC based on SMI B30</li> <li>• LP-LMIC-GEN based on SMIs B01, B02, B04, B05, B09, B11, B14, B15, B17, B19, B42</li> <li>• LP-LMIC-GYN based on SMI B28</li> <li>• LP-LMIC-STERILEFLDS based on SMI B20, B26 and B25</li> <li>• LP-LMIC-CSF based on SMI B27</li> <li>• LP-LMIC-RESP based on SMI B57LP-WMIC-CF</li> <li>• LP-WMIC-BACTID</li> </ul>	<p>A, B, C</p>



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HUMAN BODY FLUIDS AND TISSUES (cont'd)	<u>Microbiology examination activities for the purpose of clinical diagnosis</u> (cont'd)	In house documented methods based on related UK Standards for Microbiology Investigations (SMIs)	
CSF, CAPD	Cell count for red blood cells and/or white blood cells	Manual method using microscopy  SOP LP-LMIC-CSF LP-LMIC-STERILEFLDS	
Faeces	Detection of <i>Helicobacter pylori</i> antigen	Launch meridian faecal antigen kit/tested on DS2 platform  SOP LP-LMIC-HPYLORI	B
Faeces	Detection of <i>Clostridium difficile</i> GDH	Meridian Bioscience ImmunoCard® <i>C. difficile</i> GDH  SOP LP-1829	A, B, C
Faeces	Detection of <i>Clostridium difficile</i> toxin a and b	Meridian Bioscience ImmunoCard® Toxins A & B  SOP LP-1829	A, B, C
Urine	Detection of: <i>Legionella pneumophila</i> serogroup 1 antigen	Alere Binax NOW kit Immunochromatographic method  SOP LP-LMIC-LEGPNEURSV	A, B, C
Urine	Detection of Pneumococcal soluble antigen	Alere Binax NOW kit Immunochromatographic method  SOP LP-LMIC-LEGPNEURSV	A, B, C



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HUMAN BODY FLUIDS AND TISSUES (cont'd)	<u>Microbiology examination activities for the purpose of clinical diagnosis (cont'd)</u>	In house documented methods based on related UK Standards for Microbiology Investigations (SMIs)	
Swabs (nose, perineum, throat, wound) and urine	Isolation and identification of MRSA	<ul style="list-style-type: none"> <li>• Manual culture using prepared manufacturers' agar plates with chromogenic media</li> <li>• Antimicrobial susceptibility testing using disc diffusion &amp; EUCAST methodology/criteria.</li> <li>• Gradient MIC determination by E-test &amp; EUCAST criteria</li> <li>• Automated MIC by broth dilution using Vitek 2 XL &amp; EUCAST criteria</li> <li>• Identification using Vitek 2 XL (all sites), Vitek MS (site C) and manual identification methods</li> </ul>	A, B, C
Whole blood	Culture and identification of microorganisms	<p>SOP LP-LMIC-MRSA based on SMI B29</p> <ul style="list-style-type: none"> <li>• Automated detection of growth using Biomerieux BacTalert</li> <li>• Manual culture using prepared manufacturers' agar plates including chromogenic media</li> <li>• Manual gram stain</li> <li>• Antimicrobial susceptibility testing using EUCAST methodology.</li> <li>• Gradient MIC determination by E-test &amp; EUCAST criteria</li> <li>• Automated MIC by broth dilution using Vitek 2 XL &amp; EUCAST criteria</li> <li>• Identification using Vitek 2 XL (sites A,B), Vitek MS (site C) and manual identification methods</li> </ul> <p>SOP LP-LMIC-BCULT based on SMI B37</p>	A, B, C



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HUMAN BODY FLUIDS AND TISSUES (cont'd)	<u>Microbiology examination activities for the purpose of clinical diagnosis</u> (cont'd)	In House documented methods based on related UK Standards for Microbiology Investigations (SMIs)	
Genital samples ( vaginal swabs, endocervical)	Identification of <i>Trichomonas vaginalis</i> and clue cells	Wet film preparations from <i>T. vaginalis</i> culture and Gram film.  SOP LP-LMIC-GYN based on SMI TP39	A, B, C
Respiratory Samples, Urine, CSF, Bone Marrow, Tissue, Biopsy, Faeces, Gastric Aspirate, Pus/Pus swabs, Fluids, Bone, Skin scrapings	Detection of mycobacterial growth	Automated fluorimetric CO2 growth index detection using manufacturer's instructions for Becton Dickinson MGIT and in house documented methods  SOP LP-1894	B
Lower Respiratory samples (sputum, pleural fluids, BALs), tissue, bone marrow, sterile fluids, Respiratory samples, urine, CSF, swabs (skin/wound/abscess), tissue	Presence or absence of Acid-alcohol Fast Bacilli	Manual auramine stain and fluorescent microscopy.  Manual ZN stain and light microscopy  SOP LP-LMIC-SPTB	B
Nail, Hair, skin scrapings	<u>Mycology examination activities for the purpose of clinical diagnosis</u>  Detection of yeasts and other fungi of clinical significance	Fluorescent microscopy using Calcofluor white stain  SOP LP-LMIC-MYCOLOGY based on SMI B39	A



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HUMAN BODY FLUIDS AND TISSUES (cont'd)	<u>Parasitology examination activities for the purpose of clinical diagnosis</u>	In House documented methods based on related UK Standards for Microbiology Investigations (SMIs)	
Faeces / anal swabs	Detection and identification of: Helminths, nematodes, flukes, parasitic larvae, protozoa, ova, eggs, and cysts of clinical significance	Apacor Midi Parasep Concentration method and Light/phase microscopy  SOP LP-LMIC-ENTERIC based on SMI B31 SOP LP-LMIC-MSCOPE	A, B, C
Faeces	Detection of <i>Cryptosporidium</i> spp. oocysts	Manual auramine staining and fluorescent microscopy  SOP LP-LMIC-ENTERIC based on SMI TP39 LP-LMIC-MSCOPE	A, B, C



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HUMAN BODY FLUIDS AND TISSUES (cont'd)	<u>Serology examination activities for the purpose of clinical diagnosis</u>	In House documented methods based on related UK Standards for Microbiology Investigations (SMIs)	
Serum	Detection of: Hepatitis B surface antigen Hepatitis B core, Hepatitis C antibody, HIV 1/2, Anti-hepatitis B surface antigen, Syphilis total antibody, Anti-streptolysin O (ASO)	Roche Cobas e8000 Immunoassay  SOP LP-LMIC-SEROLOGY LI-LMIC-SEROLOGY	C
Serum	Detection of Varicella Zoster Virus IgG antibody	Mini Vidas automated enzyme immunoanalyser Biomerieux VZV kit using Enzyme Linked Fluorescent Assay  SOP LP-LMIC-VIDAS	A, C
Serum	Detection of HIV1/2 Antibodies and HIV P24 Antigen	Biomerieux VIDAS HIV DUO QUICK assay using Enzyme Linked Fluorescent Assay  SOP LP-1658	C



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HUMAN BODY FLUIDS AND TISSUES (cont'd)	<u>Molecular examination activities for the purpose of clinical diagnosis</u>	<u>Documented in-house methods using analysers specified</u>	
Urine Urogenital, Oropharyngeal and anorectal swabs	Detection of <i>C. trachomatis</i> and <i>N. gonorrhoeae</i> nucleic acids	Roche 6800 using Roche CT/NG Amplification / Detection Kit MMX and CT/NG Amplification / Detection Kit Manganese  SOP LP-LMIC-CHGC	C
Urogenital, Oropharyngeal Anorectal swabs in Roche COBAS transport medium, Urine	Molecular detection of <i>Neisseria gonorrhoeae</i>	GeneXpert Cepheid using the Cepheid GeneXpert CT/NG kit  SOP LP-LMIC-1557	C
Nasopharyngeal swabs	Detection of SARS-CoV-2 (S gene, N gene and RdRP gene), Influenza A, Influenza B and RSV	RT-PCR Two-step preparation TANBead Maelstrom 9600 (Extraction) Hamilton Microlab Starlet (Sample preparation and PCR setup) Biorad CFX thermocycler (Amplification) Seegene multiplex SARS CoV 2/RSV/FluA/B kit  SOP LP-2077	C
Nasopharyngeal swabs	Detection of SARS Co-V-2 (S gene, N gene and RdRP gene)	RT-PCR Two-step preparation TANBead Maelstrom 9600 (Extraction) Hamilton Microlab Starlet (Sample preparation and PCR setup) Biorad CFX thermocycler (Amplification) Seegene Allplex SARS CoV 2 kit  SOP LP-2077	C





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HUMAN BODY FLUIDS AND TISSUES (cont'd)	<u>Molecular examination activities for the purpose of clinical diagnosis (cont'd):</u>	Documented in-house methods using analysers specified	
Nasopharyngeal swabs	Detection of SARS-CoV-2 (S gene, N gene and RdRP), Influenza A, Influenza B and RSV	RT-PCR One-step preparation Hamilton Microlab Starlet (Sample preparation, extraction and PCR setup) Biorad CFX thermocycler (Amplification) Seegene multiplex SARS CoV 2/RSV/FluA/B kit  SOP LP-2077	C
Nasopharyngeal swabs	Detection of SARS-CoV-2 (S gene, N gene and RdRP)	RT PCR One-step preparation Hamilton Microlab Starlet (sample preparation, extraction and PCR set up) Biorad CFX thermocycler (Amplification) Seegene multiplex SARS CoV 2 kit  SOPLP-2077	C
Nasopharyngeal swabs	Detection of SARS-CoV-2 (E and ORF-1 genes)	RT-PCR Roche COBAS 6800 SARS-CoV-2 Qualitative assay  SOP LP-2054	C



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HUMAN BODY FLUIDS  Joint fluids	<u>Miscellaneous examination activities for the purpose of clinical diagnosis</u>  Detection and identification of birefringent crystals	<u>Documented in-house methods using analysers specified</u>  Light Microscopy  SOP Hairmyres, Monklands LP-LMIC-STERILEFLDS LP-LMIC-MSCOPE  Wishaw LI-WMIC-CRYSTALS	A, B, C
END			