


# 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 9699</p> <p>Accredited to ISO 15189:2012</p>	<h3>Northern Care Alliance NHS Foundation Trust</h3> <p>Issue No: 012      Issue date: 04 April 2025</p>	
	<p><b>Microbiology Department</b> 2<sup>nd</sup> Floor Turnberg Building Salford Royal Hospital Stott Lane Salford M6 8HD United Kingdom</p>	<p><b>Contact: Kate Ryan</b> Tel: +44 (0)161 206 5030 E-Mail: <a href="mailto:kate.ryan2@nca.nhs.uk">kate.ryan2@nca.nhs.uk</a> Website: <a href="https://www.northerncarealliance.nhs.uk/">https://www.northerncarealliance.nhs.uk/</a></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
HUMAN BODY FLUIDS AND SWABS	<u>Microbiological examination activities for the purpose of clinical diagnosis</u>	In house documented procedures based on UK SMIs in conjunction with manufacturers instructions.
Whole blood inoculated to blood culture media	Blood cultures	BD Bactec FX -fluorescence MCP-SOP-SPEC-22, MCP-SOP-EQUIP-11, MCP-EXTDOC-56
CSF	White and red blood cells. Microorganisms of clinical significance	Manual microscopy - FastRead 102, light microscopy & manual culture methods MCP-SOP-SPEC-33 , MCP-SOP-TEST-25, MCP-SOP-TEST-29
Faeces	Salmonella, Shigella, E.coli 0157, Campylobacter & Vibrio spp.	Manual culture onto selective agar S.O.P. MCP-SOP-SPEC-3 Bruker MALDI-ToF MCP-SOP-EQUIP-12  Salmonella anti-sera agglutination test MC-SOP-ORG-23 E.coli 0157 latex agglutination test MC-SOP-TEST-87 Shigella , MC-SOP-ORG-24 Camp, MC-SOP-ORG-6 Vibrio MC-SOP-ORG-28
Faeces	Clostridioides difficile tcdB gene.	BD-MAX Real Time PCR MCP-SOP-SPEC-24, MCP-EXTDOC-26
Faeces	Clostridioides difficile toxins A & B.	Lateral flow cartridge MCP-SOP-SPEC-24



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HUMAN BODY FLUIDS AND SWABS (cont'd)	<u>Microbiological examination activities for the purpose of clinical diagnosis</u> (cont'd)	In house documented procedures based on UK SMIs in conjunction with manufacturers instructions.
Faeces	Cryptosporidium /Giardia Detection	DS2 ELISA MCP-SOP-TEST-4, MC-EXTDOC-29
Faeces	Cryptosporidium /Giardia confirmation	Lateral flow cartridge SOP MCP-SOP-TEST-4
Faeces	Helicobacter pylori antigen	DS2 ELISAMCP-SOP-TEST-21 , MCP-KIT-1, MC-EXTDOC-29
Faeces	Vancomycin Resistant Enterococci (VRE)	Manual culture, identification of VRE and sensitivity testingMCP-SOP-TEST-31 , MCP-SOP-TEST-19
Rectal Swabs	Carbapenemse Producing Enterobacteriaceae (CPE)	BD Max - Real Time PCR screening MCP-SOP-SPEC-31, MCP-EXTDOC-26 Chromogenic agar manual culture
Faeces	Detection of nucleic acid from: <i>Salmonella</i> sp., <i>Campylobacter</i> spp., <i>Shigella</i> spp., Enteroinvasive <i>E. coli</i>	BD Max – Real Time PCR MCP-SOP-SPEC-39
Faeces	Detection of Norovirus genogroup I and II	Cepheid GeneXpert automated RT-PCR MCP-SOP-SPEC-5
Isolates from all anatomical sites	Detection of Carbapenemase genes: blaKPC, blaNDM, blaVIM, blaOXO-48, blaMP-1	Cepheid GeneXpert automated RT-PCR MCP-SOP-EQUIP-20
Nasopharyngeal swabs Nasal swabs	Detection of Influenza A, Influenza B, Respiratory Syncytial Virus (RSV)	Cepheid GeneXpert automated RT-PCR MCP-SOP-EQUIP-23
Combined Nose and throat swab	Covid-19 RNA (SARS-CoV-2): N and E gene targets	Cepheid GeneXpert Xpress automated RT-PCR MCP-SOP-EQUIP-23



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<p>HUMAN BODY FLUIDS AND SWABS (cont'd)</p> <p>Swabs from eyes, wounds, nose, throat, ears</p>	<p><u>Microbiological examination activities for the purpose of clinical diagnosis</u> (cont'd)</p> <p>Pathogenic microorganisms of clinical significance</p> <p>Pathogenic microorganisms of clinical significance.</p> <p>Streptococcal group</p> <p>Staphylococcal identification</p>	<p>In house documented procedures based on UK SMIs in conjunction with manufacturers instructions.</p> <p>Isolation, identification &amp; EUCAST Antimicrobial Susceptibility Testing Manual culture onto selective and non-selective agar MCP-SOP-SPEC-11, MCP-SOP-SPEC-12, MCP-SOP-SPEC-13, MCP-SOP-SPEC-10, MCP-SOP-SPEC-8, MCP-SOP-SPEC-14 Aerobic, carboxyphilic and anaerobic incubation MC-SOP-EQUIP-34, MCP-SOP-EQUIP-9, MC-EXTDOC-49.</p> <p>Bruker MALDI-ToF MCP-SOP-EQUIP-12 EUCAST Sensitivity testing MCP-SOP-TEST-19 BD Phoenix sensitivity testing MCP-SOP-EQUIP-14</p> <p>Latex agglutination test MC-SOP-TEST-50</p> <p>Latex agglutination test MCP-SOP-TEST-15 DNASE chromogenic agar MCP-SOP-TEST-7</p> <p>EUCAST Sensitivity testing MCP-SOP-TEST-19 BD Phoenix sensitivity testing MCP-SOP-TEST</p>
<p>Orthopaedic tissue samples</p>	<p>Pathogenic microorganisms of clinical significance.</p>	<p>Isolation, identification &amp; EUCAST Antimicrobial Susceptibility Testing Inoculation of samples into enrichment broth, incubation &amp; sub culture to non selective culture media MCP-SOP-SPEC-7 Bruker MALDI-ToF MCP-SOP-EQUIP-12 EUCAST Sensitivity testing MCP-SOP-TEST-19 BD Phoenix sensitivity testing MCP-SOP-EQUIP-14</p>



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HUMAN BODY FLUIDS AND SWABS (cont'd)	<u>Microbiological examination activities for the purpose of clinical diagnosis</u> (cont'd)	In house documented procedures based on UK SMIs in conjunction with manufacturers instructions.
Sputum , BAL, NBL, Tissues and Sterile Fluids	Mycobacteria spp.	Fluorescent microscopy of Phenol Auramine stained slides for A.F.B MC-SOP-TEST-12 Lowenstein-Jenson slopes and BD MGIT tubes - fluorescence technique MCP-SOP-SPEC-1, MCP-EXTDOC-8 Kinyon stain MC-SOP-TEST-57
Urine	White blood cells & bacteria of clinical significance.	Automated quantification of white blood cells & bacteria, isolation, identification and sensitivity testing Sysmex UF-5000i - flow cytometry MCP-SOP-EQUIP-29 , MCP-EXTDOC-1 Manual culture of urine onto chromogenic agar MCP-SOP-SPEC-2 Sensitivity testing MCP-SOP-TEST-19
Respiratory samples e.g. Sputum, BAL,NBL, and pleural fluids	Microorganisms of clinical significance	Manual culture, Isolation and identification and antimicrobial susceptibility testing MCP-SOP-SPEC-17, MCP-SOP-SPEC-18, MCP-SOP-SPEC-19 Bruker MALDI-ToF MCP-SOP-EQUIP-12 Optochin disc test MC-SOP-TEST-35
	Beta-lactamase	Chromogenic detection test MC-SOP-TEST-15 Isolation and identification of and antimicrobial susceptibility testing MCP-SOP-TEST-19



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HUMAN BODY FLUIDS AND SWABS (cont'd)	<u>Microbiological examination activities for the purpose of clinical diagnosis</u> (cont'd)	In house documented procedures based on UK SMIs in conjunction with manufacturers instructions.
Swabs from genital sites	Trichomonas vaginalis	Manual microscopy staining with Acridine orange MCP-SOP-TEST-9, MCP-SOP-SPEC-28
	Hayes cells	Manual microscopy staining with Acridine orange MCP-SOP-TEST-9, MCP-SOP-SPEC-28
	Microorganisms of clinical significance	Manual culture MCP-SOP-SPEC-28. Bruker MALDI-ToF MCP-SOP-EQUIP-12
	Group B strep	Granada agar MC-SOP-TEST-36 Aesculin agar MCP-SOP-TEST-12 and EUCAST sensitivity testing MCP-SOP-TEST-19.
Isolates from all anatomical sites	Microorganisms of clinical significance	Manual methods:Gram stain MC-SOP-TEST-38 .
Swabs ,Urine and Sputum	Methicillin Resistant Staphylococcus aureus (MRSA)	Manual culture onto chromogenic agar MCP-SOP-SPEC-15 Identification of organisms using the Bruker MALDI-ToF MCP-SOP-EQUIP-12 Staphylococcus agglutination test MCP-SOP-TEST-15 Mastalex agglutination test MCP-SOP-TEST-13 EUCAST sensitivity testing MCP-SOP-TEST-19
Swabs	Methicillin Sensitive Staphylococcus aureus (MSSA)	Manual culture onto chromogenic agar MCP-SOP-SPEC-15 EUCAST sensitivity testing using S.O.P. MCP-SOP-TEST-19
Swabs	Microorganisms of clinical significance	Bruker MALDI-ToF MCP-SOP-EQUIP-12, MCP-EXTDOC-58



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HUMAN BODY FLUIDS AND SWABS (cont'd)	<u>Microbiological examination activities for the purpose of clinical diagnosis</u> (cont'd)	In house documented procedures based on UK SMIs in conjunction with manufacturers instructions.
Urine	Pneumococcal antigen testing	Binax Now Immunochemical Lateral flow test MCP-SOP-TEST-6
Urine	Legionella antigen testing	Binax Now Immunochemical Lateral flow test MCP-SOP-TEST-6
Skin scrapings, hair & nail clippings	Fungi of clinical significance .	Fluorescent microscopy of Calcofluor stained slides MCP-SOP-SPEC-20 Manual culture of skin scrapings and nail clippings onto agar S.O.P. MCP-SOP-SPEC-20 Identification using Lactophenol Cotton Blue MCP-SOP-TEST-29.
Sterile Fluids (ascitic fluid, PD Fluids, joint fluids)	White blood cells and bacteria of clinical significance	Manual microscopy for white blood cells and bacteria MC-SOP-SPEC-35, MC-SOP-SPEC-38 , MC-SOP-SPEC-13 Manual culture of sterile fluids onto agar MC-SOP-SPEC-35, MC-SOP-SPEC-38 , MC-SOP-SPEC-13 Bruker MALDI-ToF S.O.P. MCP-SOP-EQUIP-12
Joint fluids	Crystal identification: Sodium urate crystals Calcium pyrophosphate crystals	Phase contrast microscopy MC-SOP-SPEC-13
Isolates from all anatomical sites	Antibiotic susceptibility testing of bacteria	Minimum inhibitory concentration (MIC) by the E-test method MCP-SOP-TEST-19
Isolates from all anatomical sites	Antifungal susceptibility testing	Yeast Antifungal MIC testing MC-SOP-TEST-115
Isolates from all anatomical sites Blood cultures	Detection of capsular antigen from <i>Streptococcus pneumoniae</i>	Oxoid DrySpot Penumo test Latex agglutination MCP-SOP-TEST-44



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<p>HUMAN BODY FLUIDS AND SWABS (cont'd)</p> <p>Serum unless otherwise stated</p> <p>Serum</p>	<p><u>Serology examination activities for the purpose of clinical diagnosis</u></p> <p>Measles IgG antibodies Mumps IgG antibodies Varicella Zoster IgG</p> <p>Detection of:</p> <p>Hepatitis B surface antigen (HBS) Varicella Zoster Virus IgG (VZV) Rubella IgG (RBG)</p>	<p>DS2. Automated ELISA testing MC-SOP-EQUIP-44, MC-EXTDOC-29</p> <p>Mini VIDAS Immunoassay based on ELFA (Enzyme Linked Fluorescent Assay) MC-SOP-EQUIP-33</p>
END		