

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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



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Accredited to
ISO 15189:2022

Manchester University NHS Foundation Trust (Trading as Manchester Medical Microbiology Partnership)

Issue No: 009 Issue date: 20 May 2025

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DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY FLUIDS AND TISSUES	<u>Microbiology examination activities for the purpose of clinical diagnosis</u>	Documented in-house methods based on related UK Standards for Microbiology Investigations (SMIs) and manufacturer's operating instructions, where relevant, to support clinical diagnosis
Urine, Suprapubic aspirate	Detection and quantification of white blood cells, red blood cells, epithelial cells and bacteria. General isolation and characterisation of bacterial and fungal isolates of clinical significance from urinary specimens	Differential cell count (flow cytometry) using BioMerieux UF5000 with automated plating on chromogenic agar using Previ-Isola. MMMP-BACT-PROC18 Investigation of Urine MMMP-BACT-PROC175 Use of Sysmex UF-5000 urine analyser Differential cell count (flow cytometry) using BioMerieux UF5000 MMMP-BACT-PROC18 Investigation of Urine MMMP-BACT-PROC175 Use of Sysmex UF-5000 urine analyser
Blood, Fluids, Aspirates	Culture and detection of microorganisms of clinical significance	BD BacTec FX semi-automated blood culture system: MMMP-BACT-PROC3 Investigation of Blood Cultures & Sterile Fluids incubated on the BACTEC FX
Wound swab, nose swab, throat swab, ear swab, MRSA swabs	Isolation and characterisation of microorganisms of clinical significance including MRSA	WASPLab total laboratory automation, MMMP-BACT-PROC23 Investigation of MRSA Screening Swabs using WASP and Traditional Culture



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<p>HUMAN BODY FLUIDS AND TISSUES (cont'd)</p> <p>Superficial and deep-seated wound swabs, tissues, genital specimens, ENT swabs, ocular specimens, biopsies, bone</p>	<p><u>Microbiology examination activities for the purpose of clinical diagnosis (cont'd)</u></p> <p>Isolation and characterisation of microorganisms 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>Manual inoculation and media culture MMMP-BACT-PROC55 Investigation of Specimens for Bordetella Species MMMP-BACT-PROC56 Investigations of Ear, Nose, Mouth and Ear Swabs. Eye swabs, Canalicular pus and Associated Specimens using WASPLab & Traditional Culture MMMP-BACT-PROC65 Investigation of Skin Superficial & Non-surgical Wound Swabs MMMP-BACT-PROC66 Investigation of Abscesses, Pus & Deep-Seated Infections MMMP-BACT-PROC85 Investigation of specimens from Burns patients MMMP-BACT-PROC185 Investigation of Tissue, Biopsies and Bone MMMP-BACT-PROC10 Investigation of Genital Tract Specimens MMMP-BACT-PROC12 Investigation of GUM Specimens (Genito-urinary med MMMP-BACT-PROC190 Manual Bench – Eye Specimens</p>
<p>Respiratory specimens, sputum, broncho-alveolar lavage, endotracheal specimens, tissue, pleural fluid, cough swabs</p>	<p>Isolation and characterisation of microorganisms from respiratory specimens of clinical significance</p>	<p>MMMP-BACT-PROC7 Investigation of Sputum and associated specimens MMMP-BACT-PROC96 Investigation of Cystic Fibrosis Specimens MMMP-BACT-PROC100 Investigation of Post-Mortem samples</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)	Documented in-house methods based on related UK Standards for Microbiology Investigations (SMIs) and manufacturer's operating instructions, where relevant, to support clinical diagnosis
CSF, PD fluid, Sterile Fluids, Aspirates, Joint Fluids	Detection and quantification of white blood cells, red blood cells,	Manual cell count using SOPs: MMMP-BACT-PROC185 Tissues, Fluids and Manual Processing Bench MMMP-BACT-PROC16 Investigation of Cerebrospinal Fluid MMMP-BACT-PROC61 Investigations of Sinus Aspirate
CSF, PD fluids, sterile fluids, aspirates, joint fluids	Differentiation of different organism types: Gram positive/negative/variable, branching organisms, yeasts	Gram staining and light microscopy MMMP-BACT-PROC3 Investigation of Blood Cultures & Sterile Fluids incubated on the BACTEC FX MMMP-BACT-PROC185 Manual Bench Examination Procedure MMMP-BACT-PROC61 Investigations of Sinus Aspirate MMMP-BACT-PROC16 Investigation of Cerebrospinal Fluid
Swabs	Isolation and characterisation of carbapenemase producing Enterobacteriaceae	Manual methods using MMMP-BACT-PROC91 CPE Screening Bench – Resistant Enzyme Detection
Rectal swabs, bacterial isolates, blood	Molecular detection of carbapenemase producing Enterobacteriaceae	MMMP-BACT-PROC130 Cepheid GeneXpert Infinity 48 System for the detection of carbapenemase producing Enterobacteriaceae MMMP-BACT-PROC91 CPE Screening Bench – Resistant Enzyme Detection
Sputum, BAL, pus, urine	Isolation and characterisation of mycobacteria	BD MGIT and manual culture on Lowenstein Jenson media. MMMP-BACT-PROC14 Investigation of specimens for Mycobacterium species MMMP-BACT-PROC121 Examination of specimens for isolation of mycobacteria using BD BACTEC MGIT 960



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Blood and bone marrow	Isolation and characterisation of mycobacteria	MMMP-BACT-PROC147 Examination of Blood Cultures, Bone Marrow for the Isolation of Mycobacteria-BD Bactec FX40
Sputum, BAL, pus, urine	Molecular detection of mycobacteria	Cepheid GeneXpert PCR and HAIN Geno Type Mycobacteria DNA strip technology
	HAIN for detection of MTB complex, rifampicin and isoniazid resistance	MMMP-BACT-PROC69 Molecular Detection of Mycobacterium using HAIN Geno Type Mycobacteria DNA strip technology
	Cepheid for detection of MTB complex, and 13 other Mycobacterium species, and rifampicin resistance	MMMP-BACT-PROC115 Cepheid GeneXpert ® MTB/RIF User Guide for the Detection of Mycobacterium Tuberculosis complex
Sputum, BAL, pus, urine	Detection of acid-fast bacilli	Manual auramine stained smears and fluorescent microscopy MMMP-BACT-PROC14 Investigation of specimens for Mycobacterium species MMMP-BACT-PROC21 Microscopical preparations and staining techniques
Faeces	Isolation and characterisation of microorganisms of clinical significance	Manual inoculation and media culture MMMP-BACT-PROC47 Examination procedure Enterics
Faeces	Detection of the following: Giardia lamblia Cryptosporidium Helicobacter pylori antigen C. difficile GDH and toxin AB	Dynex DS2 automated ELISA processor MMMP-BACT-PROC47 Examination procedures Enterics MMMP-BACT-PROC67 Enteric Method - DYNEX DS2 Giardia cryptosporidium CHECK H.pylori – Meridian Bioscience C.Diff Check – Meridian Bioscience C.Diff Tox A/B – Techlab



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Faeces	Detection of the following: Clostridium difficile GDH Clostridium difficile toxin A & B	MMMP-BACT-PROC47 Examination procedures Enterics Lateral flow membrane immunoassay, Quik Check MMMP-BACT-PROC101 Examination of immunochromatic assays
Faeces, urine, Sellotape slide, pus, fluids, tissue	Identification/confirmation of faecal parasites	Microscopic examination using wet preparation, dry slide and Parasep concentration MMMP-BACT-PROC25 Parasitology
Faeces	Molecular detection of Clostridium difficile	GeneXpert PCR MMMP-BACT-PROC130 Use and Maintenance of the Cepheid GeneXpert® Infinity MMMP-BACT-PROC112, Cepheid GeneXpert Dx System User Guide for the Detection of Clostridium difficile
Clinical isolates cultured in-house (including, bacteria, yeasts, fungi)	Identification of microorganisms of clinical significance.	Microbial Species Identification by MALDI-TOF MMMP-BACT-PROC119 Instructions For Use And Maintenance Of VITEK2XL & 60 Systems (both Vitek types) MMMP-BACT-PROC8 MMMP-MRU-PROC51 Use of API NH in the Meningococcal Reference Unit Oxoid Latex agglutination MMMP-BACT-PROC6 Identification of E. coli 0157 Biorad Latex agglutination MMMP-BACT-INS91 Identification of Staphylococcus



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Clinical isolates cultured in-house (including bacteria, yeasts, fungi)	Identification of microorganisms of clinical significance.	Prolab Serology Kits MMMP-BACT-PROC50 Identification of Salmonella Streptococcal grouping MMMP-BACT-INS91 Identification Tests
Swabs, BAL, sputum, CSF, tissues	Isolation and identification of fungi of clinical significance. Presence or absence of fungal elements	MMMP-BACT-PROC24 Identification of Fungi & Yeasts from Clinical Samples
Bacterial and yeast isolates	Antimicrobial susceptibility testing (AST)	Fully automated Vitek XL using EUCAST breakpoint data Manual antimicrobial susceptibility testing using disc diffusion and EUCAST methodology Antibiotic disc diffusion and gradient MIC determination (Etest and Lilofilchem) MMMP-BACT-PROC29 Antimicrobial sensitivity testing: Disk testing MMMP-BACT-PROC91 Screening bench: resistant enzymes MMMP-BACT-PROC102 Antimicrobial sensitivity testing: E-tests



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HUMAN BODY FLUIDS AND TISSUES (cont'd)	<u>Serology examination activities for the purpose of clinical diagnosis</u>	Documented in-house methods based on related UK Standards for Microbiology Investigations (SMIs) and manufacturer's operating instructions, where relevant, to support clinical diagnosis
Serum, plasma, dried blood spot	Qualitative detection of the following: Syphilis (total) HIV antigen & antibody Human T-cell Lymphotropic Virus (HTLV) antibody Hepatitis A Total Hepatitis A IgM Hepatitis B surface antibody Hepatitis B Core ab (total) Hepatitis B core IgM Hepatitis B surface antigen Hepatitis B e antigen Hepatitis B e antibody Hepatitis C antibody Cytomegalovirus IgG & IgM Rubella IgG & IgM Toxoplasma IgG, IgM & avidity Herpes Simplex Virus 1 IgG Herpes Simplex Virus 2 IgG Syphilis confirmation RPR titre	Documented in house Methods to meet the requirements of the IDPS screening programme as defined in the July 2018 'infectious diseases in pregnancy screening: laboratory QA evidence requirements' for antenatal screening: Roche Cobas 8000 and 8100 analyser using electrochemiluminescence MMMP-SEROL-PROC75 and MMMP-SEROL-PROC140 MMMP-SERO-PROC 78 MMMP-SEROL-PROC80 MMMP-SEROL-PROC95 MMMP-SEROL-PROC28 MMMP-SEROL-PROC85 MMMP-SEROL-PROC86 MMMP-SEROL-PROC81 MMMP-SEROL-PROC89 MMMP-SEROL-PROC90 MMMP-SEROL-PROC 84 MMMP-SEROL-PROC91 MMMP-SEROL-PROC92 MMMP-SEROL-PROC83 MMMP-SEROL-PROC82 MMMP-SEROL-PROC88 MMMP-SEROL-PROC79 MMMP-SEROL-PROC87 MMMP-SEROL-PROC96 MMMP-SEROL-PROC97 MMMP-SEROL-PROC115 MMMP-SEROL-PROC93 MMMP-SEROL-PROC94 Biokit RPR reditest using microparticle agglutination MMMP-SEROL-PROC128



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Serum, plasma	Detection of HIV 1 and 2 antibodies	Biorad Geenius immunoblot lateral flow device MMMP-SEROL-PROC71
Urine	Detection of Legionella and Streptococcus pneumoniae antigen	Binax NOW kit and immunochromatography, MMMP-SEROL-PROC123
CSF	Detection of Cryptococcal antigen	Latex antigen kit MMMP-SEROL-PROC125
Serum, plasma	Qualitative detection of the following: Epstein Barr Virus (EBV)CA IgG, IgM & EBNA IgG Measles IgG & IgM HSV IgG & IgM Parvovirus IgG & IgM Varicella Zoster IgG & IgM Mumps IgG & IgM Chlamydia IgG CMV IgG and avidity Syphilis IgG HIV antigen & antibody Hepatitis B surface antigen Hepatitis delta antibody	Diasorin Liaison XL analyser using chemiluminescence, MMMP-SEROL-PROC57, MMMP-SEROL-PROC28 and MMMP-SEROL-PROC124



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Serum, plasma	Qualitative detection of: HIV P24 antigen Lyme IgG & IgM Hepatitis B Core antibody (total)	BioMerieux automated analyser VIDAS 3 User Guide MMMP-SEROL-PROC74 MMMP-SEROL-PROC98 MMMP-SEROL-PROC99 MMMP-SEROL-PROC100 MMMP-SEROL-PROC102
Serum, plasma	Qualitative detection of: Syphilis IgM Hepatitis C Virus antibody confirmation Hepatitis E Virus (HEV) IgM	Werfen DS2 automated ELISA analyser Trinity Biotech Syph IgM MMMP-SEROL-PROC68 Ortho HCV MMMP-SEROL-PROC65 HEV IgM Fortress Diagnostics MMMP-SEROL-PROC64



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HUMAN BODY FLUIDS AND TISSUES (cont'd)	<u>Molecular examination activities for the purposes of clinical diagnosis</u>	Documented in-house methods based on related UK Standards for Microbiology Investigations (SMIs) and manufacturer's operating instructions, where relevant, to support clinical diagnosis
Blood	Quantitative viral load for: HIV RNA Hepatitis B DNA Hepatitis C RNA	Roche Cobas 6800 / 8800 MMMP-MOL-PROC95 MMMP-MOL-PROC94 MMMP-MOL-PROC93 PCR using Qiagen MDX / Symphony extraction and Applied Biosystems 7500 Taqman amplification
Blood, urine, dried blood spot, biopsies, tissue	Quantitative detection of CMV DNA	MMMP-MOL-PROC44
Blood	Quantitative detection of EBV DNA	MMMP-MOL-PROC66
Blood, swabs	Quantitative detection of Adenovirus DNA	MMMP-MOL-PROC2
Respiratory sample, nose and throat swabs and CSF	Qualitative detection of Mycoplasma pneumoniae DNA	MMMP-MOL-PROC91MMMP-MOL-PROC29
Genital and skin swabs, vitreous fluids, CSF, blood	Varicella zoster DNA	
Swabs, CSF, fluids	Treponema pallidum DNA	MMMP-MOL-PROC56
Blood, plasma, serum, CSF	Meningococcal (incorporating ctrA gene and serogroup B) and pneumococcal DNA Meningococcal serogroups A, C, Y, W confirmatory assays	MMMP-MOL-PROC40



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CSF, blood, amniotic fluid	Qualitative detection of Toxoplasma gondii DNA	MMMP-MOL-PROC46
BAL, sputum, CSF, blood, swabs	Qualitative Detection of Candida DNA	MMMP-MOL-PROC8
BAL, sputum, CSF	Qualitative Detection of Aspergillus DNA	MMMP-MOL-PROC8
Genital and skin swabs, CSF, vitreous fluids, blood	Qualitative detection of Herpes simplex 1 & 2 DNA	MMMP-MOL-PROC18
CSF, faeces, blood, swabs, respiratory samples	Qualitative detection of Enterovirus and Parechovirus RNA	MMMP-MOL-PROC59
CSF, blood	Qualitative detection of Human Herpes virus 6 & 7 DNA	MMMP-MOL-PROC14
Throat swabs, urines	Qualitative detection of Measles RNA	MMMP-MOL-PROC35
CSF, urine, serum, blood	Qualitative detection of Polyoma (BK and JC) DNA	MMMP-MOL-PROC3
Blood, tissues, amniotic fluid	Qualitative detection of Parvovirus B19 DNA	MMMP-MOL-PROC23
BAL, sputum, blood	Qualitative detection of Pneumocystis jiroveci DNA	MMMP-MOL-PROC24



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Respiratory samples	Qualitative detection of the following: Respiratory viruses, Influenza A RNA (Pandemic, H1, H3, H5,) & B, RSV RNA, Parainfluenza 1 RNA, Parainfluenza 2 RNA, Parainfluenza 3 RNA, Adenovirus DNA, Rhinovirus RNA, Metapneumovirus RNA,	PCR using Qiagen MDX / Symphony extraction and Applied Biosystems Taqman amplification MMMP-MOL-PROC34 MMMP-MOL-PROC39 MMMP-MOL-PROC72
Pernasal swab, nose and throat swab, BAL, sputum, naso-pharyngeal aspirate	Bordetella pertussis DNA	MMMP-MOL-PROC83
Genital swabs, urine, eye swabs, rectal swabs and throat swabs	Detection of Chlamydia trachomatis RNA, Neisseria gonorrhoeae, Mycoplasma genitalium and Trichomonas vaginalis DNA	PCR using Roche Cobas 6800 / 8800 MMMP-MOL-PROC67 MMMP-MOL-PROC111



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Nasopharyngeal swabs, throat swabs	Respiratory virus panel Adenovirus Coronavirus 229E Coronavirus HKU1 Coronavirus NL63 Coronavirus OC43 Human Metapneumovirus Human Rhinovirus/Enterovirus Influenza A, including subtypes H1, H1-2009, and H3 Influenza B Middle East Respiratory Syndrome Coronavirus (MERS-CoV) Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Parainfluenza Virus 1 Parainfluenza Virus 2 Parainfluenza Virus 3 Parainfluenza Virus 4 Respiratory Syncytial Virus Bordetella parapertussis (IS1001) Bordetella pertussis (ptxP) Chlamydia pneumoniae Mycoplasma pneumoniae	BioFire FilmArray Torch BioFire MMMP-MOL-PROC115
Cervical swabs, biopsies, paraffin wax tissue sections	Qualitative detection of Human Papilloma virus, types 16, 18, 31, 33, 35, 39, 45, 51, 52, 56, 58, 59, 66, and 68	Roche Cobas 8800 PCR MMMP-MOL-PROC106 Detection of high risk Human Papillomavirus using the Cobas 68/8800 System
Nasal and throat swabs in VTM Sputum Bronchoalveolar lavage (BAL)	Detection of SARS-CoV-2 virus RNA (COVID-19) specific gene sequences: E, ORF1ab	Roche Cobas 6800/8800 PCR MMMP-MOL-PROC112 Detection of SARS-CoV-2 using the Roche Cobas 68/8800 System



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Nasopharyngeal/oropharyngeal, nasal and midturbinate swabs in Viral Transport Medium Sputum Bronchoalveolar lavage (BAL) Tracheal aspirates from organ transplant patients	Detection of SARS-CoV-2 virus RNA (COVID-19), influenza A, influenza B and RSV	MMMP-MOL-PROC122 Cepheid Xpert Xpress SARS-CoV-2/Flu/RSV plus on the Cepheid Infinity
<u>Nose swabs, Throat swabs, Sputum, Bronchoalveolar lavage (BAL), Tracheal aspirate</u>	<u>Whole Genome Sequencing of SARS-CoV-2</u>	<u>Hamilton ML Star SPT</u> <u>Dragonfly/Mosquito</u> <u>Beckman Biomek i7 Illumina</u> <u>Miseq/Miniseq/Nextseq1000</u>
Plasma	Detection of the following	Sequencing using Qiagen MDX extraction and Applied Biosystems ABI 3500 XL sequencer
	Hepatitis B resistance	MMMP-MOL-PROC58
	Detection of CMV resistance	MMMP-MOL-PROC41
	HIV resistance, integrase, tropism	MMMP-MOL-PROC48, 49, 53
Serum, dried blood spot	Hepatitis C RNA screening and genotyping	BioMerieux EMag extraction and Roche Cobas 4800 qualitative PCR MMMP-MOL-PROC13 MMMP-MOL-PROC100
Nasopharyngeal swabs and aspirates	Detection of Influenza A, B and RSV	GeneXpert Infinity automated PCR system and MMMP-MOL-PROC103
Faeces	Detection of Norovirus GI and GII, Adenovirus 40/41, Astrovirus, Rotavirus, Sapovirus	Roche FLOW RT-PCR system and MMMP-MOL-PROC108
Nose and throat swab, sputum, bronchoalveolar lavage, lung biopsy	Detection of Middle East Respiratory Syndrome Coronavirus (MERS-CoV)	Altona Real Star qualitative RT-PCR and MMMP-MOL-PROC97
END		