


Schedule of Accreditation

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United Kingdom Accreditation Service

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

 <p>Accredited to ISO 15189:2022</p>	<h3>Micropathology Ltd</h3> <p>Issue No: 011 Issue date: 02 March 2026</p>	
	<p>University of Warwick Science Park, Venture Centre Sir William Lyons Road Coventry CV4 7EZ United Kingdom</p>	<p>Contact: Prof Colin G. Fink Tel: +44 (0) 2476 323222 Fax: +44 (0) 2476 323333 E-Mail: colinfink@micropathology.com Website: www.micropathology.com</p>
<p>Testing performed at the above address only</p>		

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY FLUIDS AND TISSUES	<p>Extraction of DNA, RNA from bacterial, fungal, parasitic, viral and human genetics targets</p> <p>Amplification and visualisation of specific amplicon from bacterial, fungal, parasitic, viral and human genetics targets</p>	<p>In House documented methods incorporating manufacturers' instructions, where relevant</p> <p>Sample pretreatment Manual extraction S-14 High Pure Column manual extraction S-1541 Nucleic acid extraction using QiaSymphony robot S- 392 Kingfisher Flex and Apex extraction system, S-1642 Hamilton MicroLab StarLET S-1967</p> <p>In House documented methods incorporating manufacturers' instructions, where relevant</p> <p>ROCHE LC480 M-879 Hamilton MicroLab StarLET S-1967 S-968, M-1905 PeqSTAR M-971 Thermocyclers: Biometra Trio M-1224 MJ-200 M-1209 MJ-100 M-1210 Biometra TProfessional TRIO M-2586 Biometra TOne M-2583 Biomolecular Sciences Magnetic induction cyler (MIC)– M-1243 SimpliAMP thermal cyler M-1242 Eppendorf Mastercycler Pro Vapo Protect M-2585 Eppendorf Mastercycler X50M-1630 PTC-100 M-970 PTC-200 M-1209</p>



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HUMAN BODY FLUIDS AND TISSUES (cont'd)	<u>Molecular bacteriology examination activities for the purpose of clinical diagnosis</u>	Analysis and interpretation of real-time pathogen PCR experiments S-560 In House documented methods incorporating manufacturers' instructions, where relevant
Any sample preferably from a sterile site	Bacterial 16S rRNA gene detection	In-house, single round assay performed on real time PCR BioSciences MIC (M-1243) S-49 Nested PCR assay performed on Block thermal cyclers (M-1224, M-2586, M-2583) and visualisation on an agarose gel or PCR with intercalating dye in the second round and visualisation on ROCHE LC 480 using procedure:
EDTA whole blood, CSF, tissue	Borrelia genus DNA	S-1222
Nasopharyngeal swab, NPA, BAL, sputum	Chlamydia pneumoniae DNA	S-1197
CSF, EDTA whole blood, urine	Leptospira interrogans DNA	S-1227
CSF, EDTA whole blood,	Listeria monocytogenes DNA	S-1228
Sputum, tissue, CSF, BAL, NPA	Mycobacterium avium complex / TB complex DNA	S-1229
Positive Neisseria meningitides samples	Neisseria meningitidis typing	S-2260, S-1231
CSF, whole blood, respiratory specimens	Streptococcus pneumoniae DNA	S-1193
CSF, genital swab	Treponema pallidum DNA	S-947
CSF and almost any cellular material including whole blood	Tropheryma whippelii DNA	S-1239



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HUMAN BODY FLUIDS AND TISSUES (cont'd)	<u>Molecular bacteriology examination activities for the purpose of clinical diagnosis</u> (cont'd)	In House documented methods incorporating manufacturers' instructions, where relevant
NPA and perinasal and nasopharyngeal swabs	Bordetella pertussis DNA	S-1186
Nasopharyngeal swab, BAL	Chlamydia psittaci DNA	S-1169
CSF, EDTA whole blood	Escherichia coli DNA	S-1332
Genital Swab	Haemophilus ducreyi DNA	S-943
NPA, BAL, EDTA whole blood, sputum, swabs and ET secretions	Mycoplasma pneumoniae DNA	S-1199
Sputum, tissue, CSF, BAL	Mycobacterium genus DNA	S-1230 and S-1657
CSF, EDTA whole blood, tissue	Mycoplasma genus DNA	S-1152 and S-1776
		Semi-nested PCR assay performed on block thermal cyclers (M-1224, M-2586, M-2583) and visualisation on agarose gel and subsequent sequencing for identification of positives using procedures:



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<p>HUMAN BODY FLUIDS AND TISSUES (cont'd)</p> <p>Eye swab, throat swab, For genitourinary: Female: Endocervical, vaginal or rectal swab, 'Thin prep' endocervical cellular specimens. Male: Urethral swab, first pass urine, rectal swab Urine, genital swab, semen</p> <p>Urine, genital swab, NPA, thin preps, semen</p> <p>EDTA whole blood, tissue, vitreous fluid, aqueous fluid, pus</p> <p>EDTA whole blood, corneal scrape, eye swab and contact lens fluid</p>	<p><u>Molecular bacteriology examination activities for the purpose of clinical diagnosis</u> (cont'd)</p> <p>Neisseria gonorrhoeae DNA</p> <p>Ureaplasma urealyticum and Ureaplasma parvum DNA</p> <p>Bartonella henselae/qunitana DNA</p> <p>Pseudomonas aeruginosa</p>	<p>In House documented methods incorporating manufacturers' instructions, where relevant</p> <p>Semi-nested PCR assay using block thermal cyclers (M-1224, M-2586, M-2583) in the first round and real time PCR machine ROCHE LC480 with intercalating dye in the second round using procedures:</p> <p>S-946</p> <p>S-949</p> <p>Nested PCR assay performed on block thermal cyclers (M-1224, M-2586, M-2583), visualisation on an agarose gel and subsequent sequencing for identification of positives, using procedures:</p> <p>S-1523</p> <p>S-1365</p>



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HUMAN BODY FLUIDS AND TISSUES (cont'd)	<u>Molecular bacteriology examination activities for the purpose of clinical diagnosis</u> (cont'd)	In House documented methods incorporating manufacturers' instructions, where relevant
CSF, joint fluid, pleural fluid, tissue, eye swab, vitreous fluid and aqueous fluid	Staphylococcus genus DNA	Semi nested PCR assay performed on block thermal cyclers (M-1224, M-2586, M-2583) and visualisation on MICs (M-1243) using procedure: S-1233
EDTA whole blood, CSF	Brucella genus DNA	S-1474
EDTA Whole blood, BAL, tissue	Coxiella burnetti DNA	S -951
CSF, EDTA whole blood, tissue, joint fluid, pleural fluid	Group A Streptococcus DNA	S-1225, S-1868,
CSF, EDTA whole blood, tissue	Group B Streptococcus DNA	S-1225, S-1870
CSF, EDTA whole blood, tissue	Haemophilus influenzae DNA	S-1226
Genital swab	Trichomonas vaginalis DNA	Single round PCR assay performed on block thermal cyclers (M-1224, M-2586, M-2583, M-1209, M-1210) and visualisation on agarose gel using procedures S-948



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HUMAN BODY FLUIDS AND TISSUES (cont'd)	<u>Molecular bacteriology examination activities for the purpose of clinical diagnosis</u> (cont'd)	In House documented methods incorporating manufacturers' instructions, where relevant
Female: Endocervical vaginal or rectal swab, rectal tissue / biopsy, lymph biopsy, throat swab. Male: Genital swab, rectal swab, throat swab, first catch urine, rectal tissue / biopsy, lymph biopsy	Lymphogranuloma venereum	Single round assay using real time PCR on ROCHE LC480s using probe-based technology using procedures: S-1275
Urine, genital swab,	Mycoplasma genitalium DNA	S-1539
CSF, EDTA whole blood, nasopharyngeal swabs, joint fluid	Neisseria meningitidis DNA	S-1734 Nested PCR assay performed on block thermal cyclers (M-1224, M-2586, M-2583) and visualisation on agarose gel PCR with intercalating dye in the second round and visualisation on ROCHE LC 480 using procedures:
EDTA whole blood, BAL, sputum, corneal scrape	Aspergillus spp. DNA	S-1236
CSF, EDTA whole blood, amniotic fluid,	Toxoplasma gondii DNA	S-1123
BAL, NPA, sputum	Pneumocystis jirovecii DNA	S-1232
Swab, tissue for genital samples, female: endocervical swab sent in VTM or endocervical cellular specimens. Male: penile swab into VTM or fresh biopsy tissue	Humma Papillomavirus DNA	Nested PCR assay using block thermal cyclers and visualisation on an agarose gel



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<p>HUMAN BODY FLUIDS AND TISSUES (cont'd)</p> <p>EDTA whole blood CSF, eye fluid, corneal scrape, eye swabs</p> <p>CSF, EDTA whole blood</p> <p>Any (inc. fixed tissue) preferably from normally sterile sites</p> <p>Corneal scrape, swab, contact lens solution, CSF</p>	<p><u>Molecular fungal/parasite examination activities for the purpose of clinical diagnosis</u></p> <p>Candida albicans DNA</p> <p>Cryptococcus neoformans DNA</p> <p>Pan-Fungal 18S rRNA gene detection</p> <p>Acanthamoeba spp.DNA</p>	<p>In House documented methods incorporating manufacturers' instructions, where relevant</p> <p>Single round PCR assay utilising block thermal cyclers (M-1224, M-2586, M-2583, M-970, M-1209) and visualisation on agarose gel using procedures:</p> <p>S-1237</p> <p>Single round PCR assay utilising block thermal cyclers (M-1224, M-2586, M-2583, M-1209, M-970) and visualisation on agarose gel using procedures:</p> <p>S -1201</p> <p>S-1001</p> <p>Single round assay using real time PCR on ROCHE LC 480s using probe-based technology and procedures:</p> <p>S-1649</p>



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HUMAN BODY FLUIDS AND TISSUES (cont'd)	<u>Molecular virology examination activities for the purpose of clinical diagnosis</u>	In House documented methods incorporating manufacturers' instructions, where relevant
CSF, EDTA whole blood, urine, serum/EDTA plasma, saliva. Respiratory specimen - BAL preferred. Pregnancy - EDTA whole blood, amniotic fluid, serum/plasma	Cytomegalovirus DNA	Single round assay using real time PCR ROCHE on LC480s using probe-based technology and procedures: S-937
CSF, EDTA whole blood, urine, serum/EDTA plasma,	Cytomegalovirus DNA quantitation	S-937
CSF, swab, stool, tissue, serum, plasma, EDTA/citrated whole blood, NPA, Pericardial Fluid	Enterovirus/Parechovirus RNA	S-952
EDTA/ whole blood, CSF, serum, plasma,	Epstein Barr Virus DNA	S-937
EDTA whole blood, CSF, serum, plasma	Epstein Barr Virus DNA quantitation	S-937
EDTA whole blood, amniotic fluid, serum/plasma, CSF, bone marrow, tissue samples	Parvovirus B19 DNA	S-2363
BAL, NPA, swabs	Rhinovirus RNA	S-2433
EDTA whole blood preferred, EDTA serum/plasma	HIV-1 Proviral LTR, env, gag and pol DNA/RNA	S-2611
Whole blood, serum/plasma, CSF	HIV-2 proviral LTR and pol DNA/RNA	S-2607
Serum/plasma	Hepatitis B virus DNA detection and quantitation	S-1641
Serum/plasma, CSF, Stool, whole blood	Hepatitis E virus RNA detection	S-1076
Serum/plasma, CSF, whole blood	Hepatitis E virus RNA quantitation	S-1076



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<p>HUMAN BODY FLUIDS AND TISSUES (cont'd)</p> <p>CSF, AC tap, aqueous/vitreous humour, EDTA/citrated whole blood, corneal scrape, vesicle fluid, skin/eye/vesicle/lesion swab, tissue/biopsies, genital GUM swabs (vulvo-vaginal, penis). Respiratory specimens (BAL, NPA)</p> <p>Performed routinely on HSV samples</p> <p>EDTA whole blood, CSF, serum, plasma, urine</p> <p>Vitreous fluid, eye fluid serum, blood, plasma, urine, bronchial washings, NPA swab, (nose, throat eye skin,) CSF, pericardial, fluid, bone marrow,; For quantification: EDTA whole blood, CSF, plasma urine</p> <p>EDTA whole blood, (CSF in encephalitis), bone marrow, plasma</p> <p>EDTA whole blood, bone marrow, CSF, plasma</p> <p>EDTA whole blood, CSF, plasma, serum</p>	<p><u>Molecular virology examination activities for the purpose of clinical diagnosis</u> (cont'd)</p> <p>Herpes Simplex virus DNA</p> <p>Herpes Simplex virus types I & II typing</p> <p>Poly BK virus detection and quantification</p> <p>Adenovirus DNA detection and quantification</p> <p>Human Herpesvirus 6A, 6B DNA detection and quantitation</p> <p>Human Herpesvirus 7 DNA detection and quantitation</p> <p>Human Herpesvirus 8 DNA detection and quantitation</p>	<p>In House documented methods incorporating manufacturers' instructions, where relevant</p> <p>Single round assay using real time PCR ROCHE on LC480s using probe-based technology and procedures:</p> <p>S-1379</p> <p>S-1468</p> <p>S-1894</p> <p>S-939</p> <p>S-1612</p> <p>S-1612</p> <p>S-2134</p>



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<p>HUMAN BODY FLUIDS AND TISSUES (cont'd)</p> <p>Blood, skin swabs, throat swabs</p> <p>CSF, swab, stool, tissue, serum, plasma, EDTA/citrated whole blood, NPA, pericardial fluid</p> <p>EDTA whole blood, CSF, urine</p> <p>CSF, AC tap, aqueous/vitreous humour, EDTA/citrated whole blood, corneal scrape, vesicle fluid, skin/eye/vesicle/lesion swab, tissue/biopsies, genital GUM swabs (vulvo-vaginal, penis). Respiratory specimens (BAL, NPA)</p>	<p><u>Molecular virology examination activities for the purpose of clinical diagnosis</u> (cont'd)</p> <p>Mpox virus DNA</p> <p>Parechovirus RNA</p> <p>Polyoma JC virus DNA and quantitation</p> <p>Varicella Zoster virus DNA</p>	<p>In House documented methods incorporating manufacturers' instructions, where relevant</p> <p>Single round assay using real time PCR on ROCHE LC480s using probe-based technology using procedures:</p> <p>S-2273</p> <p>S-952</p> <p>S-908</p> <p>S-1379</p>



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<p>HUMAN BODY FLUIDS AND TISSUES (cont'd)</p> <p>CSF, serum, plasma and whole blood</p> <p>Whole blood, CSF, plasma, serum, nose and throat swabs, skin swabs and urine</p> <p>Whole blood, CSF, plasma, serum, nose and throat swabs, skin swabs and urine</p> <p>Whole blood, serum, nose and throat swabs, skin swabs, urine, aqueous humour, amniotic fluid, CSF, plasma and tissue</p>	<p><u>Molecular virology examination activities for the purpose of clinical diagnosis</u> (cont'd)</p> <p>HTLV-1 RNA</p> <p>Measles virus RNA</p> <p>Mumps virus RNA</p> <p>Rubella virus RNA</p>	<p>In House documented methods incorporating manufacturers' instructions, where relevant</p> <p>Single round assay using real time PCR ROCHE LC480s & LC96s and probe-based technology and procedures:</p> <p>S-2432</p> <p>S-2378</p> <p>S-2382</p> <p>S-2402</p>



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<p>HUMAN BODY FLUIDS AND TISSUES (cont'd)</p> <p>Any upper / lower respiratory sample</p>	<p><u>Molecular virology examination activities for the purpose of clinical diagnosis</u> (cont'd)</p> <p>Respiratory Virus Screen comprising:</p> <p>Bocavirus DNA</p> <p>Coronavirus 229E, HKU1, NL63 or OC43 RNA</p> <p>Human metapneumovirus RNA</p> <p>Influenza A virus RNA</p> <p>Influenza B virus RNA</p> <p>Parainfluenza 1,2,3 and 4 virus RNA</p> <p>Respiratory Syncytial Virus RNA</p> <p>Rhinovirus/Enterovirus RNA</p> <p>Adenovirus DNA</p> <p>Chlamydia pneumoniae DNA</p> <p>Legionella pneumophila</p> <p>Mycoplasma pneumoniae DNA</p>	<p>In House documented methods incorporating manufacturers' instructions, where relevant</p> <p>Luminex assay - Single round thermal block PCR (M-1630, M-2585), followed by analysis on the MAGPIX (M-1160) using procedure S-1147</p> <p>(Note: Enterovirus positives are differentiated on the Enterovirus/PV assay S-952).</p>



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HUMAN BODY FLUIDS AND TISSUES (cont'd)	<u>Molecular virology examination activities for the purpose of diagnosis</u> (cont'd)	In House documented methods incorporating manufacturers' instructions, where relevant
Swabs, NPA, BAL	Detection of RNA from SARS-CoV-2 specifically the N1 region of the N gene	Extraction of RNA using Kingfisher extraction platform with PROMEGA chemistry followed by real-time PCR amplification of viral RNA using probe-based technology on the Roche LC480 platform S-1851
Nose and Throat swabs	Detection of RNA from SARS-CoV-2 specifically the N1 region of the N gene	Heat extraction of viral RNA using calibrated thermal blocks followed by real-time PCR amplification or viral RNA using probe-based technology on the Roche LC480 or LC96 platform S-1886
Serum. plasma	Hepatitis D virus detection and quantitation	Altona Realstar kit using single round RT-PCR using probe-based technology and visualisation on ROCHE LC480s using procedures: S-1959
CSF, urine, plasma, EDTA whole blood	West Nile Fever virus RNA	S-1905
Genital swabs and endocervical cellular specimens	Human Papillomavirus DNA genotyping (High risk)	Liferiver HPV genotyping kit M-1189 utilising probe technology on LC 480s SOP S-1536
Serum / plasma	Hepatitis C virus RNA detection and quantitation	Roche COBAS 5800 (M-2722) HCV test kit using procedure S-2348
EDTA plasma/CSF	HIV-1 RNA quantitation	Roche COBAS 5800 (M-2722) HIV test kit using procedure S-2351



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HUMAN BODY FLUIDS AND TISSUES (cont'd)	<u>Serological analysis for the purpose of clinical diagnosis</u>	Detection of antibodies and antigens to various viral markers using CE marked kits or inhouse protocols developed in accordance with manufacturers instructions
Serum preferred or Na-heparin, K3-EDTA, sodium citrate plasma	Hepatitis B core antibody	ROCHE COBAS Electrochemiluminescence immunoassay 'ECLIA' performed on COBAS E411. Using procedure S-474 Antibodies to Hepatitis B core antigen
Serum preferred or Na-heparin, K3-EDTA, sodium citrate plasma	Hepatitis B e antibody	Antibodies to Hepatitis B E Antigen
Serum preferred or Na-heparin, K3-EDTA, sodium citrate plasma	Hepatitis B e antigen	Detection of Hepatitis B E Antigen M-492
Serum preferred or K2/K3EDTA plasma	Hepatitis B surface antibody	Antibodies to Hepatitis B surface antigen M-491
Serum preferred or Li-heparin, Na-citrate, K2/K3-EDTA, CPDA, CPD, CP2D, ACD, citrate plasma.	Hepatitis B surface antigen	Detection of Hepatitis B surface antigen M-493
Serum preferred or Li-heparin, Na-heparin, K2-EDTA, citrate plasma	Hepatitis B surface antigen quantitation	Quantitation of Hepatitis B surface antigen M-578
Serum preferred or Li-heparin, K2/K3-EDTA, ACD, CPD, CP2D, Na-heparin, Na-citrate plasma	Hepatitis C antibody	Antibodies to Hepatitis C virus M-488
Serum preferred or Li-heparin, K2/K3-EDTA, Na-heparin, Na-citrate, CPDA, CPD, CP2D, ACD plasma	HIV I & II antibody and p24 antigen	Detection of HIV-1 antigen and total antibodies to HIV-1 and HIV-2 M-497



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HUMAN BODY FLUIDS AND TISSUES (cont'd)	Serological analysis for the <u>purpose of clinical diagnosis</u> (cont'd)	In House method, developed in accordance with manufacturers instructions Line Immunoassay using the enzyme immune assay (EIA) principle
Serum preferred or Li-heparin, citrate or EDTA plasma, saliva	Hepatitis C antibody (RIBA)	INNO-LIA HCV score kit M-1087 using procedure S-23.
Serum preferred or Li-heparin, citrate or EDTA plasma, saliva	HIV I & II antibody (LIA)	INNO-LIA HIV I/II score M-1088 using procedure S-122.
Saliva	HIV I & II antibody (LIA) - saliva	INNO-LIA HIV I/II score M-1088 using procedure S-122. ELISA assays performed in accordance with the manufacturer's instructions using procedures:
Serum preferred or EDTA, citrate plasma	HTLV I & II antibody	Murex HTLV I and II M-239. using procedure S-2781
Serum preferred or citrate plasma	Mumps IgG antibody	Novatec NovaLisa mumps virus IgG ELISA M-244. Using procedure S-2782
BAL and serum	Aspergillus (Galactomannan) antigen	PlateLIA Aspergillus Antigen kit using M-1745, procedure S-1775



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HUMAN BODY FLUIDS AND TISSUES (cont'd)	<u>Dideoxynucleotide sequencing examination activities for the characterisation of phylogenetics and drug resistance mutations with bacterial, fungal and viral samples</u>	Dideoxynucleotide sequencing performed on ABI 3500 xL using in-house methodology Sequencing of PCR products using the 3500xL genetic analysers S-1889 Sequence data analysis for Phylogenetic typing S-1809 Eppendorf mastercycler X50 M-1630 SimpliAMP thermalcycler M-1242
Any positive product produced in 16S rRNA bacteria assay	16S rRNA bacterial gene sequencing	Single round PCR products produced on Biosciences MIC S-49 Positives subject to sequencing using procedure S-1758
Any positive product produced in the Aspergillus detection assay	Aspergillus spp sequencing	Nested PCR assay performed on block thermal cyclers (M-1224, M2586, M-2583) followed by sequencing of positives using procedure S-2996
Any positive product produced	Neisseria gonorrhoeae sequencing	Automated pipeline analysis for NG PCR products using procedure S-1811
EDTA/citrated whole blood, EDTA plasma	Cytomegalovirus (UL54/UL97) ganciclovir, foscarnet or cidofovir resistance	Single round PCR assay performed on thermal cycler blocks (M-1224, M-2586) in which positives are subject to sequencing, using procedures S-1445, S-1546
EDTA/citrated whole blood, EDTA plasma	Cytomegalovirus (UL56/UL89) letermovir resistance	Nested PCR assay using thermal cyclers (M-1224, M-2586) followed by sequencing of positives using procedures S-2047, S-2069



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HUMAN BODY FLUIDS AND TISSUES (cont'd)	<u>Dideoxynucleotide sequencing examination activities for the characterisation of phylogenetics and drug resistance mutations with bacterial, fungal and viral samples</u> (cont'd)	Dideoxynucleotide sequencing performed on ABI 3500 xL using in-house methodology
Serum/plasma	Hepatitis C genotyping	Nested assay performed on thermal cycler blocks (M-1224, M-2586) and visualised on an agarose gel, in which positives are subject to sequencing using procedures: S-1437, S-1841.
Plasma	HIV-1 RNA drug resistance	S-2674 Nested PCR assay performed on block thermal cyclers and visualisation on an agarose gel
Plasma	HIV-1 RNA Integrase drug resistance	S-2677 Nested PCR assay performed on block thermal cyclers and visualisation on an agarose gel
Any positive Herpes Simplex type 1 sample	Herpes Simplex type 1 Acyclovir drug resistance	Nested assay performed on thermal cycler blocks (M-1224, M-2586), in which positives are subject to sequencing, using procedures: S-1336, S-1784
Positive Human Papillomavirus DNA samples	Human Papillomavirus Genotyping	Semi-nested PCR assay using thermal cyclers (M-2586) and visualisation on agarose gel, positives are subject to sequencing using procedure S-1678



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Micropathology Ltd

Issue No: 011 Issue date: 02 March 2026

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY FLUIDS AND TISSUES (cont'd)	<u>Dideoxynucleotide sequencing examination activities for the characterisation of phylogenetics and drug resistance mutations with bacterial, fungal and viral samples</u> (cont'd)	Dideoxynucleotide sequencing performed on ABI 3500 xL using in-house methodology
Any positive product produced in 18srRNA fungal assay	18S rRNA fungal gene sequencing	Single round PCR assay performed on thermal cycler blocks (M-1630, M-1242) in which positives are subject to sequencing using procedures S-1001, S-1583 Single round PCR using thermal cyclers (M-1224, M-2586, M2583, M-1209, M-970) with visualisation on an agarose gel. Positives are subject to sequencing using procedures:
First catch urine, vaginal swab	Mycoplasma genitalium macrolide resistance	S-1625, S-1626
First catch urine, vaginal swab	Mycoplasma genitalium fluoroquinolone resistance	S-2067, S-2068



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HUMAN BODY FLUIDS AND TISSUES (cont'd)	Genomics analysis for the purpose of clinical diagnosis:	In House documented methods incorporating manufacturers' instructions, where relevant Next Generation Sequencing (NGS) on Illumina MiSeq and NGS library preparation of drug resistance assays using the QIAseq FX kit S-1789 Bioinformatic data analysis using in-house bioinformatics pipeline (Amplicon Analysis Suite AAS) S-2489 and S-2604
EDTA/Citrated whole blood plasma	CMV Letermovir Drug Resistance (UL56 and UL89)	S-2069
EDTA/Citrated whole blood plasma	CMV Ganciclovir, maribavir, foscarnet and cidofovir drug resistance (UL54 and UL97)	S-1546
HSV-1 positive samples, inc. CSF, EDTA whole blood, plasma and swabs	HSV-1 Acyclovir drug resistance (UL23 and UL30)	S-1784
Plasma, serum	Hepatitis B genotyping and drug resistance	S-1555
Plasma, serum	HIV-1 Protease/Reverse Transcriptase (PRRT) and Integrase (INT) drug resistance	S-1765
Sputum, BAL, tissue, CSF	Rifampicin drug resistance mutation analysis	S-1556



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HUMAN BODY FLUIDS AND TISSUES (cont'd)	<u>Human genetic mutation detection for clinical diagnostic purposes</u>	In House documented methods incorporating manufacturers' instructions, where relevant
EDTA or citrate whole blood specimens	Detection of Factor V Leiden and Factor II (Prothrombin mutations)	Real-time PCR and melt curve analysis using probe-based technology on ROCHE LC480 II using CE marked TIB MOL BIOL kit using procedures: S-1971
EDTA or citrate whole blood specimens	Haemochromatosis HFE H63D S65C C282Y gene, mutations; c.845G>A p.(Cys282Tyr), c.187C>G p.(His63Asp) and c.193A>T p.(Ser65Cys)	S-2292
EDTA, citrated whole blood	Human genetics factor V/Prothrombin assay	ABI 3500xL genetic analyser S-2868
	Human genetic profiling	In House documented methods incorporating manufacturers' instructions, where relevant High Pure Column manual extraction S-1541 SimpliAMP M-1242 Eppendorf Mastercycler X50 M-1630
Cheek swab, EDTA/citrated whole blood, tissue, serum, fixed tissue (least preferred sample), personal items (hairbrush, comb, razor), bone	Human identification DNA Profiling	Generation of Human STR profiles using Promega PowerPlex 16HS and the ABI 3500xL genetic analyser S-218 Genescan data analysis S-219
Cheek swab	Paternity Testing	S-218, S-219

END