


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>8043</p> <p>Accredited to ISO 15189:2012</p>	<p>Public Health England, An Executive Agency of the Department of Health and Social Care</p> <p>Issue No: 006 Issue date: 20 July 2021</p>	
	<p>Public Health England - Bristol Laboratory Infection Sciences Laboratory Pathology Building Southmead Hospital Southmead Road Westbury on Trym Bristol BS10 5NB United Kingdom</p>	<p>Contact: Elisabeth North Tel: +44 (0) 117 4146265 E-Mail: Elisabeth.north@nbt.nhs.uk</p>
<p>Testing performed by the Organisation at the locations specified below</p>		

Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details	Activity	Location code
<p>Infection Sciences Laboratory Pathology Building Southmead Hospital Southmead Road Westbury on Trym Bristol BS10 5NB</p> <p>Local contact Elisabeth North</p>	Diagnostic testing	A
<p>Satellite laboratory Royal United Hospital Bath NHS Trust Combe Park Bath</p> <p>Local contact Elisabeth North</p>	Diagnostic testing	B
<p>Pathology Laboratory Bristol Royal Infirmary Marlborough Street Bristol BS2 8HW</p> <p>Local Contact Elisabeth North</p>	Incubation and reporting of negative blood cultures	C
<p>UNITY Sexual Health Clinic Tower Hill, Bristol BS2 0JD</p> <p>Local Contact: Elisabeth North</p>	Molecular detection of Chlamydia, gonorrhoea and Trichomonas	D



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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
HUMAN BODY TISSUE/FLUIDS	<u>Microbiology examinations for the purposes of clinical diagnosis</u> <u>General Bacteriology</u>	In-house documented procedures based on equipment manuals and PHE SMIs as relevant.	
Urines, cellular and fluid material contained on swabs from genital sites and for infection screening	Isolation and identification of organisms of clinical significance	Semi-automated inoculation and incubation of non-selective selective, differential and chromogenic agar plates and liquid enrichment broth using the BD Kiestra system together with Visual analysis of culture plate images through digital imaging technology allowing the detection of microbial growth IS/BAC/AUTOBSOP003	A
Cellular and fluid material contained on swabs, catheter tips Fluids Tissues	Isolation and identification of organisms of clinical significance	Manual inoculation and incubation of non-selective selective, differential and chromogenic agar plates and liquid enrichment broth	A,B
Skin and soft tissue		IS/BAC/WOUBSOP011	A
Pus and deep-seated infections		IS/BAC/WOUBSOP014	A
sputum, BAL and associated specimens		IS/BAC/RESPBSOP057	A
MRSA screening		IS/BAC/XIBSOP029	A
Genital samples		IS/BAC/GENBSOP028	A
Mouth swabs		IS/BAC/WOUBSOP004	A
Ear swabs		IS/BAC/WOUBSOP001	A
Eye swabs and associated specimens		IS/BAC/WOUBSOP002	A



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HUMAN TISSUE/FLUIDS (cont'd)	<u>Microbiology examination activities for the purpose of clinical diagnosis (cont'd)</u>	In-house documented procedures based on manufacturer's instructions and PHE SMIs as relevant:				
Fluids				IS/BAC/BCBSOP026 IS/BAC/WOUBSOP025 IS/BAC/WOUBSOP015	A	
Tissues				IS/BAC/WOUBSOP017 IS/BAC/RESPBSOP057	A, B	
Pleural fluids				IS/BAC/BCBSOP026 IS/BAC/RESPBSOP057	A	
Pernasal swabs				IS/BAC/WOUBSOP006	A	
Nose swabs				IS/BAC/WOUBSOP005	A	
Throat swabs				IS/BAC/WOUBSOP009	A	
CSF				IS/BAC/BCBSOP038 IS/BAC/BCBSOP022 IS/BAC/BCBSOP023	A,B	
Human Skin, Hair, Nails				Identification of yeasts and fungal pathogens of clinical significance	IS/BAC/MYCBSOP001 IS/BAC/MYCBSOP002 IS/BAC/MYCBSOP003 IS/BAC/MYCBSOP004 IS/BAC/MYCBSOP005 IS/BAC/MYCBSOP006	A



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HUMAN TISSUE/FLUIDS (cont'd)	<u>Microbiology examination activities for the purpose of clinical diagnosis (cont'd)</u>	In-house documented procedures based on manufacturer's instructions and PHE SMIs as relevant:	
Lower respiratory tract samples (Sputum, BAL) Tissue, Pus	Isolation and identification of mycobacterial species	Becton Dickinson MGIT Fluorometric growth detection and manual culture and microscopy using Ziehl Neelsen and auramine stains IS/BAC/RESPBSOP040	A
Respiratory samples Early morning urine (EMU) Gastric aspirates Fluids Tissues Pus Fine needle aspirates (FNA) Cerebrospinal fluid (CSF) Faeces	Detection of: <i>Mycobacterium tuberculosis</i> DNA Rifampicin-resistance genes	Cepheid GeneXpert multiplex, real-time PCR IS/BAC/RESPBSOP040	A
Urine	Identification of white blood cells, red blood cell, epithelial cells, casts	Menarini Sedimax automated and manual microscopy. IS/BAC/URBSOP041	A
Urine	Isolation and identification of organisms of clinical significance	Manual Culture IS/BAC/URBSOP041	A
Blood Cultures	Detection of bacterial growth in blood	BD BACTec FX system; colorimetric sensor IS/BAC/BCBSOP037 IS/BAC/BCBSOP039	A,B
Blood cultures	Detection of microbial growth with subsequent analysis of positive samples at site A (Southmead Hospital) Reporting of negative samples	BD BACTec FX system; colorimetric sensor IS/BAC/BCBSOP039	C



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HUMAN TISSUE/FLUIDS (cont'd)	<u>Microbiology examination activities for the purpose of clinical diagnosis (cont'd)</u>	In-house documented procedures based on manufacturer's instructions and PHE SMIs as relevant:	
Faeces	Isolation and identification of organisms of clinical significance	Manual culture IS/BAC/FXBSOP030	A
Faeces, slides, aspirates and pus	Microscopy for the detection and identification of ova, cysts and parasites	Manual methods using Parasep concentrators and light microscopy IS/BAC/FXBSOP031	A
Saline swabs	Detection and identification of ova of Enterobius vermicularis	Light Microscopy IS/BAC/FXBSOP031	A
Faeces	Clostridioides difficile Glutamate Dehydrogenase (GDH)	Dynex DS2 EIA IS/BAC/FXBSOP034	A
Faeces	C. difficile toxin	Dynex DS2 EIA IS/BAC/FXBSOP035	A
Faeces	Confirmation of anomalous CDT and GDH results from DS2 assays	QuikChek IS/BAC/FXBSOP035	A
Faeces	Helicobacter pylori antigen	Dynex DS2 EIA IS/BAC/FXBSOP033	A
Faeces	Isolation and identification of C.difficile	Manual Culture IS/BAC/FXBSOP010	A
Faeces	Cryptosporidium parvum and Giardia lamblia	Dynex DS2 EIA IS/BAC/FXBSOP032 (screen)	A
Faeces	Confirmation of reactive samples in Crypto/Giardia assay	QuikChek IS/BAC/FXBSOP044	A



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HUMAN TISSUE/FLUIDS(cont'd)	<u>Microbiology examination activities for the purpose of clinical diagnosis (cont'd)</u>	In-house documented procedures based on manufacturer's instructions and PHE SMIs as relevant:	
Cultures isolated in house from routine and blood samples listed above	Identification of organisms of clinical significance	Brucker MALDI-ToF Biotyper system IS/BAC/OTHBSOP060	A
		Biomerieux Vitex2XL IS/BAC/SENBSOP045	A
Cultures isolated in house from routine and blood samples listed above	Identification of organisms of clinical significance	Manual biochemical and enzymatic tests IS/BAC/OTHBSOP070 IS/BAC/OTHBSOP064	A
Pure culture of isolates of clinical significance from the samples listed above	Antimicrobial susceptibility testing and determination of minimum inhibitory concentration (MIC)	VITEK 2XL (A) and VITEK 2 Compact (B) utilising EUCAST breakpoint guidelines IS/BAC/SENBSOP045	A, B
		Manual disc diffusion method utilising EUCAST breakpoint guidelines IS/BAC/SENBSOP046	A B



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HUMAN TISSUE/ FLUIDS (cont'd)	<u>Virology examinations for the purposes of clinical diagnosis</u>	In-house documented procedures based on equipment manuals and PHE SMIs as relevant. (cont'd)	
Serum, plasma	Detection of:	Liaison XL serology analyser using chemiluminescence IS/VIR/AUTOVSOP001	A
Serum only	Borrelia IgG/IgM Helicobacter IgG HIV antigen and antibody Hepatitis C ab Measles IgG and IgM Rubella IgG and IgM Toxoplasma IgG HSV type 1/2 IgG Hepatitis B core ab Hepatitis B surface antigen Parvovirus IgG and IgM CMV IgG and IgM EBNA IgG EBV VCA IgG and IgM C. trachomatis IgG B.pertussis IgG		
Serum, plasma	Detection of:	Architect i2000SR analyser using Chemiluminescence IS/VIR/AUTOVSOP002	A
	Hepatitis A IgG and IgM Hepatitis B s antigen Anti hepatitis B s antigen Anti hepatitis B core antibody Hepatitis e antigen Anti Hepatitis B e antibody HTLV 1/2 antibody Hepatitis C IgG Rubella IgG T.pallidum total antibody Toxoplasma IgG HIV type 1/2 antibody/antigen CMV IgG and IgM EBNA IgG EBV VCA IgG and IgM		



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HUMAN TISSUE/ FLUIDS (cont'd)	<u>Virology examinations for the purposes of clinical diagnosis</u>	In-house documented procedures based on equipment manuals and PHE SMIs as relevant. (cont'd)	
Serum	Detection of the following antibody: Influenza A and B Mycoplasma pneumoniae Psittacosis/LGV Coxiella burnetti (Q fever) phase 1 and 2 Adenovirus RSV Mumps	Manual complement fixation tests using IS/VIR/MSVSOP010	A
Serum	Detection of: T. pallidum IgG and IgM	Manual ELISA using: Captia Syphilis Total Antibody IS/VIR/MSVSOP020 Syphilis Mikrogen Recomwell IgM IS/VIR/MSVSOP021	A A A
	Hepatitis E IgG and IgM	Fortress IS/VIR/MSVSOP029 & IS/VIR/MSVSOP009	A
	Hepatitis B surface antigen	BioELISA VSOP 002	A
	C.trachomatis	Medac VSOP 023	A
	Hepatitis C antibody	Monolisa VSOP 004	A
Urine	Bartels Legionella antigen	Manual ELISA using IS/VIR/MSVSOP024	A
Urine	Detection of S. pneumoniae soluble antigen and Legionella pneumophila serotype 1 antigen	Binax NOW immunochromatographic kit using IS/VIR/MSVSOP003 & IS/VIR/MSVSOP004	A
Serum	Detection of: Coxiella burnetti (Q Fever) phase 1 and 2 IgG, IgM, IgA Chlamydia psittaci (EAE) ab Chlamydia pneumoniae (TWAR) ab	Manual immunofluorescence using IS/VIR/MSVSOP023 & IS/VIR/MSVSOP008	A



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Serum	Detection of: ASO antibody Antistreptonase D	Particle agglutination tests using IS/VIR/MSVSOP017 Colourimetric assay using IS/VIR/MSVSOP016 Serodia kit IS/VIR/MSVSOP019 IS/VIR/MSVSOP018	A A A
Serum	TPPA Rapid plasma reagin		
Serum	Detection of Treponema pallidum IgG	Syphilis Score Line Immunoblot VSOP 116	A
Serum	Detection of Treponema pallidum IgM	Mikrogen ReconLine IgM Immunoblot, IS/VIR/VSOPMSVSOP021	A
Serum	Detection of antibodies to HIV 1 and HIV 2	Geenius HIV1/2 line assay, IS/VIR/MSVSOP002	A
	Detection of:	PCR using Qiagen Symphony extraction platform and ABI 7500*, or Dyad*** amplification	A
Blood	Adenovirus *DNA	IS/VIR/BMVSOP009	
Urine, plasma	Polyoma (BK) virus* DNA	IS/VIR/BMVSOP007	
Blood	CMV* DNA	IS/VIR/BMVSOP004	
Blood	EBV* DNA	IS/VIR/BMVSOP008	
Serum, plasma	Hepatitis C genotype***	IS/VIR/BMVSOP003	
Serum, plasma	Hepatitis C* RNA	IS/VIR/BMVSOP002	
Serum, plasma	Parvovirus* DNA	IS/VIR/BMVSOP006	
Serum plasma	Human Herpes Virus 6 DNA*	VSOP 123/VSOP 124/VSOP 135	



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		In-house PCR using Kingfisher extraction platform and ABI 7500*, or Rotogene*** amplification	
Respiratory Secretions, eye Faeces Faeces Amniotic fluids, CSF, LRT CSF CSF, faeces respiratory CSF Swabs CSF* Respiratory secretions	Adenovirus* DNA Adenovirus* DNA Astrovirus* RNA Cytomegalovirus* DNA Epstein Barr* DNA Enterovirus* RNA Human Herpes type 6* DNA HSV type 1&2*** DNA HSV type 1&2* DNA Influenza A H1N1 and H3N2* RNA	IS/VIR/BMVSOP009 IS/VIR/EMVSOP005 IS/VIR/EMVSOP003 IS/VIR/BMVSOP004 IS/VIR/BMVSOP008 IS/VIR/BMVSOP009 IS/VIR/BMVSOP010 IS/VIR/RMVSOP004 IS/VIR/BMVSOP005 IS/VIR/RMVSOP009	A
Respiratory secretions Respiratory secretions Respiratory secretions Respiratory secretions Respiratory secretions	Influenza A p09H1* RNA Influenza A H5N1* RNA Influenza A H7N9* RNA Influenza B* RNA Human Metapneumovirus*RNA	IS/VIR/RMVSOP011 IS/VIR/RMVSOP009 IS/VIR/RMVSOP009 IS/VIR/RMVSOP009 IS/VIR/RMVSOP009	
Faeces, vomit Respiratory secretions	Norovirus* RNA ParaInfluenzae types 1-3* RNA	IS/VIR/EMVSOP004 IS/VIR/RMVSOP009	A
Amniotic fluids Respiratory secretions Faeces Respiratory secretions	Parvovirus*DNA Rhinovirus* RNA Rotavirus*RNA Respiratory Syncytial Virus RNA	IS/VIR/BMVSOP006 IS/VIR/RMVSOP009 IS/VIR/EMVSOP003	
Faeces CSF, swabs (skin etc)	Sapovirus* RNA Varicella Zoster virus* DNA	IS/VIR/EMVSOP003 IS/VIR/RMVSOP001	



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Tissues	Manual extraction protocol	PCR using manual extraction and ABI7500	A
Tissues	Cytomegalovirus DNA	IS/VIR/MOLVSOP012	
Respiratory secretions	HSV type 1 and 2 DNA	IS/VIR/BMVSOP004	
Respiratory secretions	Influenza A p09H1 RNA	IS/VIR/BMVSOP005	
Tissues	Influenza A H5N1 RNA	IS/VIR/RMVSOP009	
	Parvovirus DNA	IS/VIR/RMVSOP009	
		IS/VIR/BMVSOP006	
	Detection of:	Transcription Mediated Amplification (TMA) using Hologic Panther	A,D
Urine	Chlamydia trachomatis DNA	IS/VIR/NAATVSOP001 & IS/VIR/NAATVSOP002 & IS/VIR/NAATVSOP003	
Urethral, cervical, vaginal swabs	Neisseria gonorrhoeae DNA		
Endocervical swabs, vaginal swabs	Trichomonas vaginalis DNA	Transcription Mediated Amplification (TMA) using Hologic Panther and in-house method: IS/VIR/NAATVSOP001	D
Swabs (Nose &/or Throat), NPA, BAL, Sputum	Detection of: Influenza A RNA Influenza B RNA Human Metapneumovirus RNA Adenovirus DNA RSV RNA Rhinovirus RNA Parainfluenza virus (1, 2, 3 & 4) RNA	PCR and Transcription Mediated Amplification using Hologic Panther Fusion and in-house method: IS/VIR/RMVSOP013	A
Nasopharyngeal / oropharyngeal swabs, combined throat and nose swabs and upper respiratory tract aspirates in VTM	Detection of SARS CoV-2 virus RNA (COVID-19) specific gene sequences; ORF1ab gene	Transcription Mediated Amplification (TMA) using Hologic Panther, Aptima assay and in-house method: IS/PH/CoV SOP003	A



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Swabs (Nose &/or Throat), NPA, BAL, Sputum	Detection of sub-types H1 & H3 for influenza A	In house method on Hologic Panther Fusion using PCR and TMA and in-house method: IS/VIR/RMVSOP013	A
Nose, Throat and pernasal swabs	Bordetella spp. DNA	IS/VIR/RMVSOP013	A
Plasma only (EDTA)	Detection and quantification of: Hepatitis B DNA HIV RNA	Qiagen NeumoDX 288 Fluorescence based real time PCR and in-house method: IS/VIR/BMVSOP014	A
Serum and Plasma (EDTA or ACD)	Hepatitis C RNA		
HUMAN TISSUE/FLUIDS (cont'd)	<u>Mycology examinations for the purposes of clinical diagnosis</u>	In-house documented procedures based on equipment manuals and PHE SMIs as relevant. (cont'd)	
fluids, tissues, swabs	Isolation and identification of moulds and yeasts	Fluorescence microscopy using calcofluor. Bright field microscopy using Indian ink using IS/MRL/MYCSOP001-4	A
Yeast and mould isolates	Identification of yeast and mould isolates	Manual culture using IS/MRL/MYCSOP001-4 Culture and microscopy and analysis using Bruker MalDI-tof mass spectrometer and SOP IS/MRL/MYCSOP011, IS/MRL/MYCSOP012 Yeast - MALDI ID IS/MRL/MYCSOP013 MALDI	A



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		Yeast identification by PCR and sequencing of nuclear ribosomal regions using IS/MRL/MYCSOPPCR001	A
		Mould identification by PCR and sequencing of regions of the genomic DNA of filamentous fungi using IS/MRL/MYCSOPPCR002, IS/MRL/MYCSOPPCR003	A
Quantitative anti fungal assay results received from UKAS accredited laboratory 8099	Reporting of quantitative assays for: Fluconazole Flucytosine Itraconazole Voriconazole Posaconazole Isavuconazole	IS/MRL/MYCSOP105	A
Yeast and mould isolates	Anti-fungal antibiotic sensitivity testing	Minimum inhibitory concentration by manual microdilution and E test using SOP IS/MRL/MYCSOP34, 36,37	A
Blood, serum, CSF	Antibody detection to the following: Coccidioides species Histoplasma species Blastomyces species Paracoccidioides species	Manual complement fixation tests using MYSOP 27 and manual Ouchterlony double diffusion using IS/MRL/MYCSOP026	A



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Blood, serum, CSF	Antibody detection to the following: Aspergillus species Candida species	Manual counter current immunoelectrophoresis using IS/MRL/MYCSOP021	A
	Avian actinomycetes Thermophilic actinomycetes	Manual Ouchterlony double diffusion using IS/MRL/MYCSOP22	A
Blood, serum, CSF	Antigen detection of the following: Aspergillus species Candida species	Manual ELISA method using Platelia kit IS/MRL/MYCSOP024 IS/MRL/MYCSOP028	A
	Cryptococcus neoformans	IMMY Cryptococcus antigen latex kit and IMMY Cryptococcus lateral flow kit using IS/MRL/MYCSOP023 and 29	A
	Beta-1,3 glucan	Manual ELISA using Fungitell kit and IS/MRL/MYCSOP025	A
END			