



9755
Accredited to
ISO 15189:2012

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

Liverpool University Hospitals NHS Foundation Trust

Issue No: 003 Issue date: 21 January 2022

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 (cont'd)	<u>Serology examinations for the purpose of clinical diagnosis (cont'd)</u>	Documented in house methods incorporating manufacturers' instructions where relevant using:
Serum, plasma, EDTA	Detection of: HIV Ag HIV Ab Hepatitis C Ab Hepatitis B core Ab Syphilis Hepatitis B surface Ag Hepatitis B surface Ab Hepatitis B sAg (confirmation) Hepatitis B core IgM HBeAb Anti HBeAg Hepatitis A IgG Hepatitis A IgM	Roche COBAS 8000 (e602) random access immunoassay analyser I&I-VI-SOP-59 I&I-VI-SOP-59 I&I-VI-SOP-59 I&I-VI-SOP-59 I&I-VI-SOP-59 I&I-VI-SOP-59 I&I-VI-SOP-59 I&I-VI-SOP-87 I&I-VI-SOP-59 I&I-VI-SOP-59 I&I-VI-SOP-59 I&I-VI-SOP-59 I&I-VI-SOP-59 I&I-VI-SOP-59
Serum / EDTA plasma	Detection of antibodies to Antistreptolysin O (ASO)	Biokit Rheumajet ASO latex agglutination kit I&I-VI-SOP-61 Alere Clearview IM chromatographic immunoassay I&I-VI-SOP-35
Serum, whole blood, EDTA plasma	Detection of infectious mononucleosis (EBV) heterophile antibodies	Biokit Rheumajet RF latex agglutination kit I&I-VI-SOP-66
Serum / EDTA plasma	Detection of Rheumatoid factor	Serodia Treponema pallidum (TPPA) particle agglutination kit I&I-VI-SOP-62
Serum / EDTA plasma	Detection of antibodies to Treponema spp.	Biokit RPR reitertest kit I&I-VI-SOP-71
Serum / EDTA Plasma	Detection of non-specific antibodies to <i>T.pallidum</i>	Brucella Microagglutination test I&I-VI-SOP-78
Serum / plasma	Brucella IgG & IgM	



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HUMAN BODY FLUIDS (cont'd)	<u>Molecular examinations for the purposes of clinical diagnosis</u>	Documented in house methods incorporating manufacturers' instructions where relevant using:
Urine, APTIMA swabs (genital, rectal, throat, eye)	Ribosomal RNA for <i>Chlamydia trachomatis</i> & <i>Neisseria gonorrhoea</i> .	HOLOGIC TIGRIS quantitative TMA I&I-VI-SOP-12 / I&I-VI-SOP-17 I&I-VI-SOP-26
Urine, APTIMA swabs (genital, rectal, throat, eye)	rRNA <i>C.trachomatis</i> confirmation rRNA <i>N. gonorrhoeae</i> confirmation	HOLOGIC TOMCAT pre-analytical module and PANTHER quantitative TMA &I-VI-SOP-17 I&I-VI-SOP-41 I&I-VI-SOP-42 I&I-VI-SOP-44 I&I-VI-SOP-18 I&I-VI-SOP-94 I&I-VI-SOP-95 &I-VI-SOP-43
Urine, APTIMA swabs (genital) EDTA blood EDTA blood EDTA blood Cervical cells in SurePath Preservation fluid.	Trichomonas vaginalis rRNA HIV viral load Hepatitis B viral load Hepatitis C viral load HPV mRNA	Nucleic acid extraction using: 1: QIAgen QIASymphony I&I-VI-SOP3 2: QIAgen QIAcube I&I-VI-SOP-2 QIAamp Minelute Virus Spin Kit I&I-VI-SOP-6 3: RocheMagNAPure compact and MagNA lyser I&I-VI-SOP-4
Serum and Plasma		
CSF Bronchial washings Nasopharyngeal aspirates		
Sputum/Induced Sputum Swabs in Viral Transport Media (skin, nose/throat, eye, genital) Vesicle Fluid Aqueous/Vitreous fluid Faeces Urine Biopsy (brain, lung, colon)		



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HUMAN BODY FLUIDS (cont'd)	<u>Molecular examinations for the purposes of clinical diagnosis (cont'd)</u>	Documented in house methods incorporating manufacturers' instructions where relevant using:
Extracted nucleic acid using above method as denoted 1,2 or 3	Quantitative detection of:	Real time Multiplex PCR: Roche Light cycler 480 I&I-VI-SOP-52
DNA (3)	Adenovirus	I&I-VI-SOP75
DNA (1,2,3)	CMV	I&I-VI-SOP75
DNA (1,2,3)	EBV	I&I-VI-SOP75
DNA (1,3)	BK virus	I&I-VI-SOP-80
DNA (1,3)	JC virus	I&I-VI-SOP-80
DNA (1,2,3)	HSV	I&I-VI-SOP-49
DNA (1,2,3)	VZV	I&I-VI-SOP-48
RNA (1,2,3)	Enterovirus	I&I-VI-SOP-52
RNA (1,2,3)	Parechovirus	I&I-VI-SOP-48
RNA (1,3)	Norovirus	I&I-VI-SOP-46
DNA (2,3)	Pneumocystis jirovecii	I&I-VI-SOP-53
Nucleic acids (2)	Gastroenteritis panel: (Rotavirus, Adenovirus, Astrovirus, Sapovirus)	I&I-VI-SOP-50
Nucleic acids (1,2,3)	Respiratory panel: (Influenza A, and B, Parainfluenza 1-4, Adenovirus, Respiratory Syncytial Virus, Rhinovirus, Metapneumovirus, Coronavirus)	I&I-VI-SOP-45
Nucleic acids (1,2,3)	Lower Respiratory: Atypical panel (Legionella pneumophila, Mycoplasma pneumoniae, Chlamydia pneumoniae)	I&I-VI-SOP-47



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HUMAN BODY FLUIDS (cont'd)	<u>Molecular examinations for the purposes of clinical diagnosis (cont'd)</u>	Documented in house methods incorporating manufacturers' instructions where relevant using:
DNA (1,2,3)	Upper Respiratory Atypical panel (Mycoplasma pneumoniae, Chlamydoiphila pneumonia)	I&I-VI-SOP-47
	<u>Detection of:</u>	Nucleic acid extraction: ABI 3500 genetic analyser
DNA	HBV Resistance gene	I&I-VI-SOP-29
DNA	Mutations to integrase gene of HIV1	I&I-VI-SOP-33
DNA	Mutations of the pol regions of HIV genome for antiviral resistance	I&I-VI-SOP-31
RNA	Mutations of HCV genome – 705bp NS3 amplicon and 1000-1474bp NS5A amplicon	I&I-VI-SOP-30
	Antibody detection:	AutoBlot 3000 immunoassay
Serum / EDTA	Confirmation of HCV	SOP I&I-VI-SOP-20
Serum / EDTA	Confirmation of HIV	SOP I&I-VI-SOP-20



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HUMAN BODY FLUIDS (cont'd)	<u>Molecular examinations for the purposes of clinical diagnosis (cont'd)</u>	Documented in house methods incorporating manufacturers' instructions where relevant using:
Combined nose/throat swabs in VTM/UTM, bronchial washings/lavage, sputum, tracheal aspirates	Detection of SARS-CoV-2 RNA, specific gene sequences ORF1ab and N	Extraction using Zymo Quick-DNA/RNA Viral Magbead kit on the KingFisher Flex or QIA Symphony/DSP Virus/pathogen Midi kit or QIAcube/MiniElute Virus kit RT-PCR using Viasure Real Time PCR Detection Kit and Roche Light cycler 480 I&I-VI-SOP-114 Viasure SARS-CoV-2
Combined nose/throat swabs in VTM/UTM	Detection of SARS-CoV-2 RNA specific gene sequence ORF1ab	Nucleic acid amplification using the Aptima SARS-CoV-2 assay on the Hologic Panther System, SOP I&I-VI-SOP-116 Aptima SARS-CoV-2 Assay on the Panther System
Combined nose/throat swabs in VTM/UTM	Detection of SARS-CoV-2 RNA, specific gene sequences the N2 and E	RT PCR using Cepheid GeneXpert using the Xpress SARS-CoV-2 assay, SOP I&I-VI-SOP-101 Cepheid Infinity Automated Rapid Viral Molecular tests
END		