


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 UKAS MEDICAL 9354 Accredited to ISO 15189:2012	HSL (Analytics) LLP	
	Issue No: 003 Issue date: 10 July 2020	
	Rapid Response Laboratory North Middlesex University Hospital Sterling Way London N18 1QX	Contact: Jacqueline Sutherland Tel: +44 (0) 207 307 7342 E-Mail: Jacqueline.sutherland@hslpathology.com Website: www.hslpathology.com
Testing performed at the above address only		

Site activities performed away from the locations listed above:

Location details		Activity
Address	Local contact	
A & E Department North Middlesex University Hospital Sterling Way London N18 1QX	Reshma Patel	Blood issue fridge for storage of blood products only; no testing occurs at this site
Theatre Site North Middlesex University Hospital Sterling Way London N18 1QX	Reshma Patel	Blood issue fridge for storage of blood products only; no testing occurs at this site
Labour Ward North Middlesex University Hospital Sterling Way London N18 1QX	Reshma Patel	Blood issue fridge for storage of blood products only; no testing occurs at this site



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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	<u>General Biochemistry</u> Biochemical examination activities for the purposes of clinical diagnosis. Quantitation of:	In house documented procedures based on equipment manuals and standard methods as specified:
Serum / Plasma (unless otherwise stated)		SOP BIO-008 using Ion Sensitive Electrode module on Roche Cobas 8000 system by ISE method:
Urine also	Sodium	
Urine also	Potassium	
Urine also	Chloride	
	Digoxin	SOP BIO-008 using e602 module on Roche Cobas 8000 system by immunoassay:
	Free Thyroxine	
	Total Human Chorionic Gonadotrophin	
	Thyroid Stimulating Hormone	
	Troponin T	SOP BIO-008 using c702 module on Roche Cobas 8000 system by photometry:
Urine also	Albumin	
	Amylase	
	Alkaline Phosphatase	
	Alanine Transaminase	
	Ammonia	
	Aspartate Aminotransferase	



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HUMAN BODY FLUIDS	<u>General Biochemistry</u> Biochemical examination activities for the purposes of clinical diagnosis. Quantitation of:	In house documented procedures based on equipment manuals and standard methods as specified: SOP BIO-008 using c702 module on Roche Cobas 8000 system by photometry:
Urine also	Bicarbonate Bilirubin (conjugated) Bilirubin (total) Calcium Carbamezepine Cholesterol (HDL) Conjugated Bilirubin	
Urine also	Creatinine (Jaffe) Creatinine (Enzymatic) C Reactive Protein Cholesterol Gamma Glutamyl Transferase Gentimicin	
CSF also	Glucose Iron	
CSF also	Lactate Lactate Dehydrogenase Lithium	
Urine also	Magnesium	
Urine only	Microalbumin	



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HUMAN BODY FLUIDS	<u>General Biochemistry</u> Biochemical examination activities for the purposes of clinical diagnosis. Quantitation of:	In house documented procedures based on equipment manuals and standard methods as specified: SOP BIO-008 using c702 module on Roche Cobas 8000 system by photometry:
Urine also	Paracetamol	
Urine also	Phenytoin	
	Phosphate	
	Protein (total)	
	Rheumatoid Factor	
	Salicyclate	
	Triglycerides	
Urine also	Urea	
	Unsaturated Iron Binding Capacity	
	Valproate	
	Calcium (adjusted)	SOP BIO-008 using Roche Cobas 8000 system by calculation:
	Glomerular Filtration Rate (estimated)	
Urine	Protein: Creatinine ratio	
Urine	Creatinine: Albumin ratio	
Serum & urine	Osmolality	SOP BIO-NMU-02 by freezing point depression using Micro-Osmometer 3320



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Urine	Human Chorionic Gonadotrophin	SOP BIO-NMU-004 by immunochromatography using Quadratech Check-4 dip-strips.
Whole blood	HbA1c	SOP HAE-NMU-012 using TOSOH G8
HUMAN BODY FLUIDS (cont'd)	<u>Haematology</u> Haematological examination activities for the purposes of clinical diagnosis.	In house documented procedures based on equipment manuals and standard methods as specified:
EDTA Blood	Full Blood Count:	SOP HAE-001 by light scatter and adsorption using Sysmex XN-9000 and the following measurement principles:
	White blood cells, neutrophils, lymphocytes, eosinophils, monocytes, basophils, nucleated red blood cells, reticulocytes	by fluorescence flow cytometry
	Red blood cells, platelets	by impedance
	Haemoglobin	by SLS photometry
	Mean cell volume, mean cell haemoglobin, mean cell haemoglobin concentration, red cell distribution width, mean platelet volume, immature platelet fraction	by calculation
	Haematocrit	by cumulative pulse measurement
Whole Blood	Blood film assessment & cell differential	SOPs WSL-AH-031 and 052 by staining with May Grunwald Giemsa stain manually or using Sysmex SP-10 Automated Blood Film Maker and Stainer followed by microscopy



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HUMAN BODY FLUIDS (cont'd)	<u>Haematology</u> Haematological examination activities for the purposes of clinical diagnosis.	In house documented procedures based on equipment manuals and standard methods as specified:
EDTA Blood	Erythrocyte sedimentation rate	SOP WSL-AH-006 using Starrsed Interrliner SOP TDL-NWLH-H-044 using Starrsed Auto Compact
Whole Blood	Detection of Plasmodium falciparum Histidine-rich Protein 2 Detection of P. falciparum, P. vivax, P. malariae and P. ovale Pan Specific Lactate Dehydrogenase	SOP WSL-AH-030 using Carestart Malaria Rapyd test
Plasma	Coagulation: Prothrombin Time International Normalised ratio Activated Partial Thromboplastin Time (APTT) APTT ratio Fibrinogen-Clauss D-Dimer	SOP COAG-NMU-001 by percentage detection using light transmission and immunoturbidimetry using Sysmex CS2500
Whole Blood	Detection of intra-erythrocyte parasites	SOP-WSL-AH-020 by staining using Field, Giemsa pH 7.2, May-Grunwald and Giemsa stains using the XN9000 RAL staining machine followed by microscopy
Whole Blood	Quantitation of Haemoglobin F and Haemoglobin S	SOP HAE-NMU-003 by high performance liquid chromatography using Bio-Rad Variant II
Whole Blood	Detection of Sickle Cell Abnormal haemoglobin	SOP WSL-AH-018 using Helena Sickle Solubility Screening kit
Serum / Plasma	Detection of Infectious Mononucleosis Heterophile Antibody	SOP HAE-NMU-006 by immunoassay using Clearview IM kit
Bone Marrow	Detection of normal and abnormal cell lines	SOP HAE-NMU-005 by manual staining with May Grunwald and Giemsa stains followed by microscopy examination



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HUMAN BODY FLUIDS (cont'd)	<u>Blood Transfusion</u>	
	General examination activities for the purposes of clinical diagnosis:	In house documented procedures in conjunction with equipment manuals and standard methods as specified below:
EDTA Blood	Blood group: A Rh D positive A Rh D negative O Rh D positive O Rh D negative B Rh D positive B Rh D negative AB Rh D positive AB Rh D negative	SOP BT-101 & BT-117 by BioVue Technology using Ortho Vision Analyser (automated) SOP BT-139 & BT-117 by BioVue Technology using glass bead cassettes (manual)
EDTA Blood	Antibody detection and identification Rh: D, C, E, c, e, C ^W Kell: K, k, kp ^a , kp ^b , Js ^a , Js ^b Duffy: Fy ^a , Fy ^b Kidd: Jk ^a , Jk ^b Lewis: Le ^a , Le ^b P: P ₁ MNS: M, N, S, s Luth: Lu ^a , Lu ^b Xg: Xg ^a	SOP BT-101 by BioVue Technology using Ortho Vision Analyser (automated) SOP BT-129 by BioVue Technology using glass bead cassettes (manual)
EDTA Blood	Antigen phenotyping: Rh: C, E, c, e, C ^W Kell: K	SOP BT-101 by BioVue Technology using Ortho Vision Analyser (automated) SOP BT-138 by BioVue Technology using glass bead cassettes (manual)
EDTA Blood	Serological crossmatch Crossmatch compatibility	SOP BT-119 using BioVue Technology by manual method SOP BT-120 by calculation and electronic issue
EDTA Blood	Detection of Foetal Haemoglobin and cells	SOP BT-104 by manual Kleihauer method using Betke test



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HUMAN BODY FLUIDS (cont'd)	<u>Blood Transfusion</u>	In house documented procedures in conjunction with equipment manuals and standard methods as specified below:
EDTA Blood	General examination activities for the purposes of clinical diagnosis: (cont'd)	
	Direct Antiglobulin test	SOP BT-101 by BioVue Technology using Ortho Vision Analyser (automated)
		SOP BT-109 by BioVue Technology using glass bead cassettes (manual)
	<u>Andrology</u>	
	Examination activities for the purposes of clinical diagnosis	Documented in-house procedures based on referenced guidelines as stated:
	<u>Post vasectomy</u>	
Ejaculate	Detection of sperm	SOP TDL-A-E-003 based on 2016 Laboratory Guidelines for Post Vasectomy Semen Analysis: ABA, BAS & BAUS by manual method using large volume disposable chambers and microscopy
Ejaculate	<u>Fertility testing</u>	SOP TDL-A-E-001 based on WHO Laboratory Manual 5 th Edition (2010) by manual methods:
	Volume	Volume by weight
	pH	pH paper
	Sperm morphology	PAP stain and manual microscopy
	Sperm concentration	Manual microscopy
	Sperm motility	Manual microscopy
	Sperm vitality	Stained slide microscopy
	IgA / IgG antibodies	MAR test



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Nasopharyngeal swabs in viral transport media	<u>Virology</u> Examination activities for the purpose of clinical diagnosis Detection of SARS CoV-2 virus RNA (COVID-19) specific gene sequences: E, N2	Polymerase chain reaction using Cepheid GeneXpert and Xpert Xpress SARS-CoV-2 kit SOP PCR2-MP5-49
END		