


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>UKAS MEDICAL</p> <p>8793</p> <p>Accredited to ISO 15189:2012</p>	<h3>HSL (Analytics) LLP</h3> <p>Issue No: 005 Issue date: 02 September 2021</p>	
	<p>Rapid Response Laboratory Royal Free Hospital Pond Street London NW3 2QG United Kingdom</p>	<p>Contact: Jacqueline Sutherland Tel: +44 (0) 20 7307 7342 E-Mail: jacqueline.sutherland@hslpathology.com Website: www.hslpathology.com</p>
<p>Testing performed at the above address only</p>		

Site activities performed away from the locations listed above:

Location details	Activity
<p>Blood Issue fridges Accident & Emergency Department Royal Free Hospital Pond Street London NW3 2QG</p> <p style="text-align: right;">Saida Solkar</p>	<p>Blood issue fridge for storage of blood products only; no testing occurs at this site</p>
<p>Blood Issue fridges 11th Floor Royal Free Hospital Pond Street London NW3 2QG</p> <p style="text-align: right;">Saida Solkar</p>	<p>Blood issue fridge for storage of blood products only; no testing occurs at this site</p>
<p>Blood Issue fridge 10 South Vindon Royal Free Hospital Pond Street London NW3 2QG</p> <p style="text-align: right;">Saida Solkar</p>	<p>Blood issue fridge for storage of blood products only; no testing occurs at this site</p>
<p>Blood Issue fridges Labour Ward Royal Free Hospital Pond Street London NW3 2QG</p> <p style="text-align: right;">Saida Solkar</p>	<p>Blood issue fridge for storage of blood products only; no testing occurs at this site</p>
<p>Blood Issue fridges Intensive Care Unit Royal Free Hospital Pond Street London NW3 2QG</p> <p style="text-align: right;">Saida Solkar</p>	<p>Blood issue fridge for storage of blood products only; no testing occurs at this site</p>



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Location details	Activity
Blood Issue fridges Theatres Royal Free Hospital Pond Street London NW3 2QG	Saida Solkar 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)		Ion Sensitive Electrode module by indirect potentiometry using c702 module on Roche Cobas 8000 system SOP BIO-003 to 009
Urine also	Chloride	
Urine also	Potassium	
Urine also	Sodium	
	Digoxin	e602 module by electro-chemiluminescence immunoassay on Roche Cobas 8000 system with the following SOP BIO-003 to 009
	Human Chorionic Gonadotrophin	
	Parathyroid Hormone	
	T3 (Free)	
	Thyroxine FT4	
	Troponin T	
	Thyroid Stimulating Hormone	
Serum / Plasma (unless otherwise stated)		c702 module on Roche Cobas 8000 system with the following measurement principles: SOP BIO-003 to 009
	Albumin	Colourimetry
Urine only	Albumin	Immunoturbidimetry
Urine only	Albumin: Creatinine ratio	by calculation



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HUMAN BODY FLUIDS	<u>General Biochemistry</u> Biochemical examination activities for the purposes of clinical diagnosis. Quantitation of: (cont'd)	In house documented procedures based on equipment manuals and standard methods as specified:
	Alanine Aminotransferase	Tris buffer with PLP IFCC
	Alkaline Phosphatase	IFCC Schuman method
	Amikacin	Kinetic KIMS
Urine also	Amylase	Enzymatic Colorimetric G7 Substrate IFCC
	Aspartate Aminotransferase	Tris buffer with PLP
	Bicarbonate	PEP Carboxylase
	Bilirubin (direct)	Diazo
	Bilirubin (total))	Colourimetry
Urine also	Calcium	NM-BAPTA
	Calcium : Creatinine ration	by calculation
	Calcium (corrected)	by calculation
	Cholesterol	Enzymatic Colourimetry
	Cholesterol (HDL)	Homogeneous Enzymatic Colourimetry
	Cholesterol (LDL)	Homogeneous Enzymatic Colourimetry
	Cholesterol (LDL)	by calculation
	Cholesterol (non-HDL)	by calculation
	Cholesterol (HDL-C ratio)	by calculation
Urine only	Creatinine	Kinetic Colorimetric Jaffe
	Creatinine	Enzymatic
	Creatinine Kinase	UV Test NAC IFCC



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HUMAN BODY FLUIDS	<u>General Biochemistry</u> Biochemical examination activities for the purposes of clinical diagnosis. Quantitation of: (cont'd)	In house documented procedures based on equipment manuals and standard methods as specified:
Plasma only	C-Reactive Protein	Particle enhanced immunoturbidimetry
	Ethanol	Enzymatic with alcohol dehydrogenase
	Estimated Glomerular Filtration rate	by calculation
	Gamma Glutamyl Transferase	Enzymatic Colorimetric Carboxynitroanilide IFCC
Urine & CSF also	Gentamicin	Turbidimetry
	Glucose	UV test Hexokinase + G6PD
	Iron	Colorimetric Ferrozine
	Iron Binding Capacity (Total)	by calculation
Plasma only	Lactate	Colorimetry
	Lactate Dehydrogenase	UV assay (L to P glucamine) IFCC
Urine also	Lithium	Colorimetry
	Magnesium	Colorimetric Xylidyl Blue
	Paracetamol	Enzymatic colorimetry
Urine also	Phosphate	Molybdate UV
	Protein (total)	Colorimetric Biuret
Urine & CSF only	Protein (total)	Turbidimetry
Urine	Protein: Creatinine ratio	by calculation
	Salicylate	Enzymatic
	Triglycerides	Enzymatic Colorimetric Glycerol GPO



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HUMAN BODY FLUIDS	<u>General Biochemistry</u> Biochemical examination activities for the purposes of clinical diagnosis. Quantitation of: (cont'd)	In house documented procedures based on equipment manuals and standard methods as specified:
Urine also	Unsaturated Iron Binding Capacity	Ferrozine absorbance
Urine also	Urea	Kinetic urease
	Uric Acid	Enzymatic Colorimetry
	Vancomycin	Turbidimetry
	Calcium (corrected)	by calculation
	Estimated Glomerular Filtration rate	by calculation
24-hour urine	Albumin Calcium Creatinine Creatine clearance Potassium Magnesium Sodium Phosphate Chloride Protein: Creatinine ratio Protein Uric acid Urea	
Serum & urine	Osmolality	Freezing point depression using Micro-Osmometer 3320 SOP BIO-RFH-006
Whole Blood	HbA1c	Ion-exchange high performance liquid chromatography using TOSOH G8 SOP BIO-RFH-004



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HUMAN BODY FLUIDS	<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: White blood cells, neutrophils, lymphocytes, eosinophils, monocytes, basophils, nucleated red blood cells, reticulocytes Red blood cells, platelets Haemoglobin Mean cell volume, mean cell haemoglobin, mean cell haemoglobin concentration, red cell distribution width, immature platelet fraction	Measurement principles as described using Sysmex XN10 & XN20 modules on XN9000 system SOP HAE-001 by fluorescence flow cytometry by hydrodynamic focusing by SLS photometry by calculation
Peripheral Blood	Blood film assessment & cell differential	Staining with May Grunwald & Giemsa stain manually or using SP10 and RAL staining machines followed by microscopy SOPs HAE-RFH-012, HAE-RRL-004 & HAE-003
EDTA Blood	Erythrocyte sedimentation rate	Automated using Starrsed Interrliner and Auto-Compact Analysers SOP HAE-007
Serum / plasma	Detection of Infectious Mononucleosis Heterophile Antibody	Immunoassay using Accusay Mono SOP HAE-RFH-002
EDTA Blood	Presence / absence of Plasmodium sp.	Fluorescence microscopy and Quantitative Buffy Coat Analysis using QBC Malaria kit HAE-RFH-001



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HUMAN BODY FLUIDS	<u>Haematology</u> Haematological examination activities for the purposes of clinical diagnosis. (cont'd)	In house documented procedures based on equipment manuals and standard methods as specified:
EDTA Blood	Detection of Plasmodium falciparum, P. ovale, P. malariae and p. vivax	Immunochromatography using Binax NOW kit HAE-RFH-009
EDTA Blood	Malaria speciation and quantitation	Giemsa stain and manual microscopy HAE-RFH-009
Whole Blood	Detection of Sickle Cell Abnormal Haemoglobin	Helena Sickle Solubility Screen kit SOP WSL-AH-018
Plasma	Coagulation: Prothrombin Time International Normalised ratio Activated Partial Thromboplastin Time (APTT) Thrombin Time APTT ratio Fibrinogen-Clauss D-Dimer	Light absorption using Sysmex CS5100 SOP COAG-006 to 009
HUMAN BODY FLUIDS	<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 (including newborn) 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	Automated using Ortho Vision Max Analyser SOP BT-098 Manual using Ortho Cassettes and tube method SOP BT-139



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HUMAN BODY FLUIDS	<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	Antibody detection and identification (including newborn) 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	Automated using Ortho Vision Max Analyser SOP BT-101 Manual method using cassettes, enzyme panels and tube method SOP BT-139
EDTA Blood	Direct Antiglobulin test (including newborn)	Automated using Ortho Vision Max Analyser SOP BT-103 Manual using Ortho Cassettes SOP BT-103
EDTA Blood	Detection of Foetal Haemoglobin and cells	Manual method using Guest Scientific Kleihauer test SOP BT-104
EDTA Blood	Antigen phenotyping : Rh: C, E, c, e, C ^W Kell: K	Automated using Ortho Vision Max Analyser SOP BT-098
EDTA Blood	Antigen phenotyping: Rh: C, E, c, e, C ^W Kell: K, Kp ^a Duffy: Fy ^a , Fy ^b Kidd: JK ^a , Jk ^b MNSs: M, N, S, s Lewis: Le ^a , Le ^b	Manual using Ortho Cassettes and tube method SOP BT-138



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HUMAN BODY FLUIDS	<p><u>Blood Transfusion</u></p> <p>General examination activities for the purposes of clinical diagnosis:</p>	<p>In house documented procedures in conjunction with equipment manuals and standard methods as specified below:</p> <p>Manual using Ortho cassettes SOP BT-119</p> <p>Electronic issue SOP BT-120</p>
EDTA Blood	<p>Compatibility testing of patient's plasma with donor cells</p> <p><u>Virology</u></p> <p>Examination activities for the purpose of clinical diagnosis</p>	
END		