


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <b>Accredited to ISO 15189:2012</b>	<b>HSL (Analytics) LLP</b>	
	Issue No: 011    Issue date: 03 June 2021	
	<b>Rapid Response Laboratory Barnet General Hospital Wellhouse Lane Barnet Hertfordshire EN5 3DJ</b>	<b>Contact: Jacqueline Sutherland Tel: +44 (0) 20 7307 7342 E-Mail: jacqueline.sutherland@hslpathology.com Website: www.hslpathology.com</b>
<b>Testing performed by the Organisation at the locations specified below</b>		

### Locations covered by the organisation and their relevant activities

#### Laboratory locations:

Location details	Activity	Location code
<b>Address</b> Rapid Response Laboratory Barnet Hospital Wellhouse Lane Barnet, Hertfordshire EN5 3DJ  <b>Local contact:</b> Angus Wyatt	Biochemistry Haematology Blood Transfusion	A

#### Site activities performed away from the locations listed above:

Location details	Activity
Delivery suite Barnet Hospital Wellhouse Lane Barnet EN5 3DJ	Blood storage only Fridge managed by laboratory
Theatres Chase Farm Hospital The Ridgeway Enfield EN2 8JL	Blood storage only Fridge managed by laboratory
Specimen Reception Laboratory Chase Farm Hospital The Ridgeway Enfield EN2 8JL	Specimen reception and preparation for testing only



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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 FLUIDS	<u>Biochemistry examination activities for the purpose of clinical diagnosis</u>	In house documented procedures based on equipment manuals and standard methods as specified:	
Serum / plasma (unless otherwise stated)		Ion Selective Electrode module by indirect potentiometry using Roche Cobas 8000 system SOPs BIO-003-009	A
Urine also	Chloride		
Urine also	Potassium		
Urine also	Sodium		
Serum / plasma (unless otherwise stated)		e602 module by electro-chemiluminescence immunoassay on Roche Cobas 8000 system with the following SOP BIO-003 to 009	A
	Cortisol		
	Digoxin		
	Free FT3		
	Human Chorionic Gonadotrophin (beta-HCG)		
	NT-pro BNP		
	Procalcitonin		
	Progesterone		
	Thyroxine (FT4)		
	Troponin T (hs)		
	Thyroid Stimulating Hormone		



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HUMAN BODY FLUIDS	<u>Biochemistry examination activities for the purpose of clinical diagnosis (cont'd)</u>	In house documented procedures based on equipment manuals and standard methods as specified:	A
Serum / plasma (unless otherwise stated)		c702 module on Roche Cobas 8000 system with the following measurement principles: SOP BIO-003 to 009	
Urine only	Albumin	Colourimetry	
	Albumin	Immunoturbidimetry	
	Alanine Aminotransferase	Tris buffer with PLP IFCC	
	Alkaline Phosphatase	AMP buffer IFCC method	
	Amikacin	Homogenous immunoassay	
EDTA Plasma	Ammonia	Enzymatic	
Urine also	Amylase	Enzymatic Colorimetric G7 Substrate IFCC	
	Aspartate Aminotransferase	Tris buffer with PLP	
	Bicarbonate	PEP Carboxylase	
	Bilirubin (conjugated)	Diazo	
	Bilirubin (total)	Colourimetry	
Urine also	Calcium	NM-BAPTA	
	Carbamazepine	KIMS	
	Cholesterol	Enzymatic Colourimetry	
	Cholesterol (HDL)	Homogeneous Enzymatic Colourimetry	



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Serum / plasma (unless otherwise stated)		c702 module on Roche Cobas 8000 system with the following measurement principles: SOP BIO-003 to 009	
Urine also	Creatinine	Kinetic Colorimetric Jaffe	
	Creatinine	Enzymatic	
	Creatinine Kinase	UV Test NAC IFCC	
	C-Reactive Protein	Particle enhanced immunoturbidimetry	
	Gamma Glutamyl Transferase	Enzymatic Colorimetric Carboxynitroanilide IFCC	
	Gentamicin	KIMS	
CSF also	Glucose	UV test Hexokinase + G6PD	
	Iron	Colorimetric Ferrozine	
Plasma & CSF only	Lactate	Colorimetry	
	Lactate Dehydrogenase	UV assay (L to P glucamine) IFCC	
	Lithium	Colorimetry	
Urine also	Magnesium	Colorimetric Xylidyl Blue	
	Paracetamol	Enzymatic colorimetry	
	Phenytoin	KIMS	
Urine also	Phosphate	Molybdate UV	
	Protein (total)	Colorimetric Biuret	



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Serum / plasma (unless otherwise stated)		c702 module on Roche Cobas 8000 system with the following measurement principles: SOP BIO-003 to 009	
Urine & CSF only	Protein (total)	Turbidimetry	
	Salicylate	Enzymatic	
	Theophylline	KIMS	
	Triglycerides	Enzymatic Colorimetric Glycerol GPO	
	Unsaturated Iron Binding Capacity	Colorimetric ferrozine	
Urine also	Urea	Kinetic urease	
Urine also	Uric Acid	Enzymatic Colorimetry	
	Valproate	Homogenous enzyme immunoassay	
	Vancomycin	KIMS	
	<u>Calculated tests</u>	By calculation using WinPath LIMS	
Urine	Protein:Creatinine ratio eGFR Non-HDL Cholesterol Corrected Calcium Creatinine Clearance Calcium:Creatinine ratio Cholesterol:HDL Cholesterol ratio AKI LDL Cholesterol		
Urine	Albumin:Creatinine ratio Total iron binding capacity Transferrin saturation Calcium:Creatinine clearance ratio		



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HUMAN BODY FLUIDS	<u>Biochemistry examination activities for the purpose of clinical diagnosis (cont'd)</u>	In house documented procedures based on equipment manuals and standard methods as specified:	
Serum & urine	Osmolality	Freezing point depression using Osmo 1 PRO SOP BIO-RFH-006	A
EDTA Whole Blood	HbA1c	Ion-exchange high performance liquid chromatography using TOSOH G11 SOP BIO-BNRR-003	A
Urine	Human Chorionic Gonadotrophin (beta-HCG)	Chromatography using Invitech One Step HCG test SOP Q2519	A
HUMAN BODY FLUIDS	<u>Haematology</u>	In house documented procedures based on equipment manuals and standard methods as specified:	
EDTA whole Blood	Haematological examination activities for the purposes of clinical diagnosis.  Full Blood Count:	Measurement principles as described using Sysmex XN10, XN20 & SP50 modules on XN9100 track system SOP HAE-001 & 002	A
	White blood cells, neutrophils, lymphocytes, eosinophils, monocytes, basophils, nucleated red blood cells, reticulocytes	by fluorescence flow cytometry	
	Red blood cells, platelets	by hydrodynamic focusing	
	Haemoglobin	by SLS photometry	
EDTA whole Blood	Mean cell volume, mean cell haemoglobin, mean cell haemoglobin concentration, red cell distribution width, immature platelet fraction	by calculation	



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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:	
Peripheral Blood	Blood film assessment & cell differential	Staining with May Grunwald & Giemsa stain using SP50 staining machine followed by microscopy SOPs HAE-RFH-012, HAE-RRL-004	A
EDTA Whole Blood	Erythrocyte sedimentation rate	Automated using Starrsed Auto-Compact and Interrliner analysers SOP HAE-007	A
EDTA Whole Blood	Detection of <i>P. falciparum</i> Pan-detection for <i>P. malariae</i> , <i>P. ovale</i> & <i>P. vivax</i>	Monoclonal antibody-antigen reaction using Humasis kit SOP Q251 & Q2805	A
EDTA Blood	Malaria speciation and quantitation	Giemsa stain of thick and thin films followed by manual microscopy SOP HAE-BNRR-002	A
Whole Blood	Detection of Sickle Cell Abnormal Haemoglobin	Manual method using Helena Sickledex SOP HAE-BNRR-001	A
Plasma	Coagulation:  Prothrombin Time Activated Partial Thromboplastin Time (APTT) 50:50 mix Fibrinogen D-Dimer	Light absorption using Sysmex CS2500 SOP COAG-BNRR-001, COAG-BNRR-002 & COAG-BNRR-003	A
EDTA Whole Blood	Detection of Infectious Mononucleosis Heterophile Antibody	Immunoassay using Accusay Mono SOP HAE-RFH-002	A



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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	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 Analyser SOP BT-098, BT-101 & BT-130  Manual using Ortho Cassettes and tube method SOP BT-139	A  A
EDTA Blood	Antibody detection and identification (including newborn)  Rh: D, C, E, c, e, C <sup>w</sup> Kell: K, k, kp <sup>a</sup> , kp <sup>b</sup> , Js <sup>a</sup> , Js <sup>b</sup> Duffy: Fy <sup>a</sup> , Fy <sup>b</sup> Kidd: Jk <sup>a</sup> , Jk <sup>b</sup> Lewis: Le <sup>a</sup> , Le <sup>b</sup> P: P <sub>1</sub> MNS: M, N, S, s Luth: Lu <sup>a</sup> , Lu <sup>b</sup> Xg: Xg <sup>a</sup>	Automated using Ortho Vision Analyser SOP BT-130  Manual method using cassettes, enzyme panels SOP BT-129	A  A
EDTA Blood	Direct Antiglobulin test (including newborn)	Automated using Ortho Vision Analyser SOP BT-103 & BT-130  Manual using Ortho Cassettes SOP BT-103	A  A
EDTA Blood	Antigen phenotyping:  Rh: C, E, c, e, C <sup>w</sup> Kell: K	Automated using Ortho Vision Analyser SOP BT-098, BT-138 7 BT-130  Manual using Ortho Cassettes SOP BT-138 & BT-130	A  A





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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	Compatibility testing of patient's plasma with donor cells	Manual using Ortho cassettes SOP BT-119	A
EDTA Blood	Detection of Foetal Haemoglobin and cells	Electronic issue SOP BT-120	A
EDTA Blood	Detection of Foetal Haemoglobin and cells	Manual method using Clin-Tech Modified Kleihauer test SOP BT-104	A
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	A
END			