


# 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>	
	<b>Issue No: 019    Issue date: 26 March 2024</b>	
	<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 Andrology Virology	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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<b>Location details</b>	<b>Activity</b>
Emergency Department Barnet Hospital Wellhouse Lane Barnet EN5 3DJ	Blood storage only Fridge managed by laboratory
Specimen Reception Laboratory Chase Farm Hospital The Ridgeway Enfield EN2 8JL	Blood storage only Fridge managed by laboratory
Oncology Clinic Chase Farm Hospital The Ridgeway Enfield EN2 8JL	Blood and platelet storage only Fridge managed by laboratory



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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 and p612/p671 pre-analytical modules SOPs BIO-MP1-7 & BIO-MP1-8	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 and p612/p671 pre-analytical modules SOPs BIO-MP1-7 & BIO-MP1-8	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 (cont'd)	<u>Biochemistry examination activities for the purpose of clinical diagnosis</u> (cont'd)	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 and p612/p671 pre-analytical modules with the following measurement principles: SOPs BIO-MP1-7 & BIO-MP1-8	
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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HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities for the purpose of clinical diagnosis</u> (cont'd)	In house documented procedures based on equipment manuals and standard methods as specified:	A
Serum / plasma (unless otherwise stated) (cont'd)		c702 module on Roche Cobas 8000 system and p612/p671 pre-analytical modules with the following measurement principles: SOPs BIO-MP1-7 & BIO-MP1-8	
Serum and Urine	Creatinine (Enzymatic)	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	
Urine & CSF only	Protein (total)	Turbidimetry	



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities for the purpose of clinical diagnosis</u> (cont'd)	In house documented procedures based on equipment manuals and standard methods as specified:	A
Serum / plasma (unless otherwise stated) (cont'd)		c702 module on Roche Cobas 8000 system and p612/p671 pre-analytical modules with the following measurement principles: SOPs BIO-MP1-7 & BIO-MP1-8	
	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 and serum Urine and serum	Protein:Creatinine ratio eGFR Non-HDL Cholesterol Corrected Calcium Creatinine Clearance Calcium:Creatinine ratio Cholesterol:HDL Cholesterol ratio AKI LDL Cholesterol Albumin:Creatinine ratio Total iron binding capacity Transferrin saturation Calcium:Creatinine clearance ratio		
Urine			



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities for the purpose of clinical diagnosis</u> (cont'd)	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-BNRR-5	A
EDTA Whole Blood	HbA1c	Ion-exchange high performance liquid chromatography using TOSOH G11 SOP BIO-BNRR-002	A
Urine	Human Chorionic Gonadotrophin (beta-HCG)	Chromatography using Invitech One Step HCG test SOP BIO-BNRR-4	A
	<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 whole Blood	Full Blood Count:	Measurement principles as described using Sysmex XN10, XN20 & SP50 modules on XN9100 track system SOPs HAE-60RR-3 & HAE-RFRR-15	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 (cont'd)	<u>Haematology</u> (cont'd)		
Peripheral Blood	Haematological examination activities for the purposes of clinical diagnosis.  Blood film assessment & cell differential	In house documented procedures based on equipment manuals and standard methods as specified:  Staining with May Grunwald & Giemsa stain using SP50 staining machine followed by microscopy SOPs HAE-RFRR-8 & HAE-RFRR-3	A
EDTA Whole Blood	Erythrocyte sedimentation rate	Automated using Starrsed Auto-Compact and Interrliner analysers SOP HAE-RFRR-19	A
EDTA Blood	Malaria speciation and quantitation	Giemsa stain of thick and thin films followed by manual microscopy SOP HAE-BNRR-006	A
EDTA Blood	Malaria RDT Testing	Malaria RDT Kit Binax Now SOP-HAE-BNRR-6	A
Whole Blood	Detection of Sickle Cell Abnormal Haemoglobin	Manual method using Streck Sickledex SOP HAE-BNRR-5	A
Plasma from citrated blood	Coagulation:  Prothrombin Time 50:50 mix Fibrinogen D-Dimer	Light absorption using Sysmex CS2500 SOP HAE-BNRR-1, HAE-BNRR-2 & HAE-BNRR-3	A
Plasma from citrated blood	Activated Partial Thromboplastin Time (APTT)	Light absorption using Sysmex CS2500 and PST Pathromtin assay SOP COAG-BNRR-001, COAG-BNRR-002 & COAG-BNRR-003	
EDTA Whole Blood	Detection of Infectious Mononucleosis Heterophile Antibody	Immunoassay using Accusay Mono SOP HAE-BNRR-7	A





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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 (including newborn)	Automated using Ortho Vision Analyser SOP BTF-RFRR-59, BTF-BRFRR-60, BTF-RFRR-48	A
	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	Manual using Ortho Cassettes and tube method SOP BTF-RFRR-52	A
EDTA Blood	Antibody detection and identification (including newborn)	Automated using Ortho Vision Analyser SOP BTF-RFRR-48	A
	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>	Manual method using cassettes, enzyme panels SOP BTF-RFRR-47	A
EDTA Blood	Direct Antiglobulin test (including newborn)	Automated using Ortho Vision Analyser SOP BTF-RFRR-26, BTF-RFRR-48	A
		Manual using Ortho Cassettes SOP BTF-RFRR-26	A



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HUMAN BODY FLUIDS (cont'd)	<u>Blood Transfusion</u> (cont'd) 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	Antigen phenotyping: Rh: C, E, c, e, C <sup>w</sup> Kell: K	Automated using Ortho Vision Analyser SOP BTF-RFRR-59, BTF-RFRR-51, BTF-RFRR-48	A
EDTA Blood	Compatibility testing of patient's plasma with donor cells	Manual using Ortho Cassettes SOP BTF-RFRR-51, BTF-RFRR-48	A
EDTA Blood	Detection of Foetal Haemoglobin and cells	Manual using Ortho cassettes SOP BTF-RFRR-40 Electronic issue SOP BTF-RFRR-41	A
EDTA Blood	Detection of Foetal Haemoglobin and cells	Manual method using Clin-Tech Modified Kleihauer test SOP BTF-RFRR-27	A



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HUMAN BODY FLUIDS (cont'd)	<u>Andrological examination activities for the purposes of clinical diagnosis</u>		
Semen	<u>Post vasectomy:</u> Detection of Sperm	Manual method based on 2016 Laboratory Guidelines for Post Vasectomy Semen Analysis: ABA, BAS & BAUS using large volume disposable chambers and microscopy SOP AND-76WP-4	A
Semen	<u>Fertility Analysis:</u>	Based on WHO laboratory manual for the examination and processing of human semen (Sixth edition 2021) and manual method using documented in-house procedure SOP AND-76WP-1	A
	Volume	Volume/weight	
	pH	Colorimetric strips	
	Sperm morphology including TZI scoring	Stained slides (Papanicolau) microscopy (Bright field)	
	Sperm concentration	Microscopy (Phase contrast)	
	Sperm motility	Microscopy (Phase contrast)	
	Sperm vitality	Stained slide (Eosin/ Nigrosin) microscopy (Bright field)	
	IgA / IgG antibodies	Direct MAR test	
	<u>Extended fertility examination:</u>		A
	Fructose (Seliwanoff's)	Seliwanoff's method	



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HUMAN BODY FLUIDS (cont'd)	<u>Virology</u>		
Nasopharyngeal and combined nose/throat swabs in viral transport media	General examination activities for the purposes of clinical diagnosis:  Detection of SARS CoV-2 virus RNA (COVID-19) specific gene sequences; E gene & N2 gene Flu A Flu B RSV	In house documented procedures in conjunction with equipment manuals and standard methods as specified below:  PCR Cepheid GeneXpert and Xpert Xpress SARS-CoV-2 Flu RSV assay SOP BIO-BNRR-11	A
Serum	Serological detection of:  Anti HCV II HIV Combi PT HBsAg II	Roche Cobas 8000 using e602 module SOP BIO-MP1-8	A
END			