Schedule of Accreditation

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United Kingdom Accreditation Service

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

UKAS MEDICAL **8359** **Accredited to ISO 15189:2022**	**HSL (Analytics) LLP** **Issue No:** 025 **Issue date:** 08 October 2026	
	Barnet, Chase Farm and North Middlesex University Hospital Rapid Response Laboratory Group **Barnet General Hospital** **Wellhouse Lane** **Barnet** **Hertfordshire** **EN5 3DJ**	**Contact: Jacqueline Sutherland** **Tel: +44 (0) 20 7307 7342** **E-Mail: jacqueline.sutherland@hslpathology.com** **Website: www.hslpathology.com**
Testing performed by the Organisation at the locations specified below		

Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details		Activity	Location code
Address Rapid Response Laboratory Barnet Hospital Wellhouse Lane Barnet, Hertfordshire EN5 3DJ	**Local contact:** Abigail Galea	Biochemistry Haematology Blood Transfusion Andrology Virology	A
Address Rapid Response Laboratory North Middlesex University Hospital Sterling Way London N18 1QX	**Local contact:** Avery Stetson	Biochemistry Haematology Blood Transfusion Andrology Virology	B

Site activities performed away from the locations listed above:

Location details	Activity
Delivery suite Barnet Hospital Wellhouse Lane Barnet EN5 3DJ	Storage of blood and blood products
Theatres Chase Farm Hospital The Ridgeway Enfield EN2 8JL	Storage of blood and blood products
Specimen Reception Laboratory Chase Farm Hospital The Ridgeway Enfield EN2 8JL	Specimen reception and preparation for testing only
Emergency Department Barnet Hospital Wellhouse Lane Barnet EN5 3DJ	Storage of blood and blood products
A & E Department North Middlesex University Hospital Sterling Way London N18 1QX	Storage of blood and blood products
Theatre Site North Middlesex University Hospital Sterling Way London N18 1QX	Storage of blood and blood products
Labour Ward North Middlesex University Hospital Sterling Way London N18 1QX	Storage of blood and blood products

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Location details	Activity
Specimen Reception Laboratory Chase Farm Hospital The Ridgeway Enfield EN2 8JL	Storage of blood and blood products
Oncology Clinic Chase Farm Hospital The Ridgeway Enfield EN2 8JL	Storage of blood and blood products

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY FLUIDS	Biochemistry examination activities for the purpose of clinical diagnosis	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, BIO-BNRR-17, BIO-BNRR-6	A, B
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, BIO-BNRR-17, BIO-BNRR-6	
	Cortisol		A
	Digoxin		A, B
	Free FT3		A,
	Human Chorionic Gonadotrophin (beta-HCG)		A, B
	NT-pro BNP		A
	Procalcitonin		A
	Progesterone		A
	Thyroxine (FT4)		A, B
	Troponin T (hs)		A, B
	Thyroid Stimulating Hormone		A, B
Serum	Pre-Eclampsia Screen (tests sFLt-1/PIGF Ratio)		B
	Ferritin		B

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY FLUIDS (cont'd)	Biochemistry examination activities for the purpose of clinical diagnosis (cont'd)	In house documented procedures based on equipment manuals and standard methods as specified:	
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, BIO-BNRR-17, BIO-BNRR-6	
	Albumin	Colorimetric assay (Bromocresol Green, BCG method)	A, B
Urine only	Albumin	Immunoturbidimetry	A
	Alkaline Phosphatase	Colorimetric enzymatic assay (IFCC method)	A, B
	Alanine Transaminase	Alanine transaminase (ALT): UV kinetic enzymatic assay (IFCC method with pyridoxal phosphate activation)	A, B
	Amikacin	KIMS (Kinetic Interaction of Microparticles in Solution) immunoassay	A, B
EDTA Plasma	Ammonia	Enzymatic UV assay (GLDH method)	A, B
Urine also	Amylase	Enzymatic Colorimetric G7 Substrate IFCC	A, B
	Aspartate Aminotransferase	UV kinetic enzymatic assay (IFCC method with pyridoxal phosphate activation)	A, B
	Bicarbonate	Enzymatic UV assay (PEPC/MDH method)	A, B
	Bilirubin (conjugated)	Colorimetric diazo assay (Jendrassik-Grof method)	A, B

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY FLUIDS (cont'd)	Biochemistry examination activities for the purpose of clinical diagnosis (cont'd)	In house documented procedures based on equipment manuals and standard methods as specified:	
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	
	Bilirubin (total)	Colorimetric diazo assay	A, B
Urine also	Calcium	Colorimetric assay (NM-BAPTA method).	A, B
	Carbamazepine	Kinetic Interaction of Microparticles in Solution (**KIMS**) immunoassay	A, B
	Cholesterol	Enzymatic colorimetric assay (CHOD-PAP method)	A, B
	Cholesterol (HDL)	Homogeneous enzymatic colorimetric assay (direct HDL-cholesterol method)	A, B
Serum and Urine	Creatinine (Enzymatic)	Enzymatic colorimetric assay	A, B
	Creatinine Kinase	UV kinetic enzymatic assay (IFCC method with NAC activation)	A, B
	C-Reactive Protein	Particle-enhanced immunoturbidimetric assay	A, B
	Ethanol	Photometry	A
	Gamma Glutamyl Transferase	Enzymatic colorimetric assay (IFCC/Szasz method)	A, B
	Gentamicin	Homogeneous enzyme immunoassay (CEDIA®).	A, B
CSF also	Glucose	Enzymatic UV assay (Hexokinase method).	A, B
	Iron	Colorimetric assay (FerroZine method).	A, B

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY FLUIDS (cont'd)	Biochemistry examination activities for the purpose of clinical diagnosis (cont'd)	In house documented procedures based on equipment manuals and standard methods as specified:	
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	
Plasma & CSF only	Lactate	Enzymatic colorimetric assay (lactate oxidase/peroxidase method)	A, B
	Lactate Dehydrogenase	UV kinetic enzymatic assay (IFCC method)	A, B
	Lithium	Colorimetric assay (porphyrin dye method).	A, B
Urine also	Magnesium	Colorimetric endpoint assay (Xylidyl Blue method).	A, B
Urine only	Microalbumin	Immunoturbidimetric assay	B
	Paracetamol	Enzymatic colorimetric assay	A, B
	Phenytoin	Kinetic Interaction of Microparticles in Solution (**KIMS**) immunoassay	A, B
Urine also	Phosphate	UV molybdate assay	A, B
Urine	Protein (total)	Colorimetric assay (Biuret method).	A
Urine & CSF only	Protein (total)	Turbidimetry	A, B
	Salicylate	Enzymatic UV assay (salicylate hydroxylase method).	A, B
	Theophylline	KIMS	A
	Triglycerides	Enzymatic colorimetric assay (GPO-PAP method).	A, B
	Unsaturated Iron Binding Capacity	Colorimetric assay (direct FerroZine method)	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY FLUIDS (cont'd)	Biochemistry examination activities for the purpose of clinical diagnosis (cont'd)	In house documented procedures based on equipment manuals and standard methods as specified:	
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	
Urine and Serum	Urate	Enzymatic colorimetric assay (Uricase-POD method).	B
Urine also	Urea	UV kinetic enzymatic assay (Urease/GLDH method).	A, B
Urine also	Uric Acid	Enzymatic Colorimetry	A
	Valproate	Homogeneous enzyme immunoassay (EMIT).	A
	Vancomycin	KIMS	A
	Calculated tests	By calculation using WinPath LIMS	
Urine and serum	Protein:Creatinine ratio		A, B
Urine and serum	eGFR		A, B
	Non-HDL Cholesterol		A, B
	Corrected Calcium		A, B
	Creatinine Clearance		A, B
	Calcium:Creatinine ratio		A, B
	Cholesterol:HDL Cholesterol ratio		A
	AKI		A
	LDL Cholesterol		A
	Urate:creatine ratio		B
Urine	Albumin:Creatinine ratio		A, B
	Total iron binding capacity		A, B
	Transferrin saturation		A
	Calcium:Creatinine clearance ratio		A, B
	Urate: Creatinine Ratio		B
	Renal Tubular Reabsorption of Phosphate		B
	Unsaturated Iron Binding Capacity		B

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY FLUIDS (cont'd)	Biochemistry examination activities for the purpose of clinical diagnosis (cont'd)	In house documented procedures based on equipment manuals and standard methods as specified:	
Serum & urine	Osmolality	Freezing point depression using Advanced Instruments OsmoPRO MAX SOP BIO-60RR-12	A, B
EDTA Whole Blood	HbA1c	Ion-exchange high performance liquid chromatography using TOSOH G11 SOP BIO-BNRR-002	A, B
Urine	Human Chorionic Gonadotrophin	Immunochromatography using Quadratech Check-4 dip-strips SOP BIO-NMRR-5	B
	Haematology		
	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-50, HAE-BNRR-16	A
	White blood cells, neutrophils, lymphocytes, eosinophils, monocytes, basophils, nucleated red blood cells, reticulocytes	by fluorescence flow cytometry	A
	Red blood cells, platelets	by hydrodynamic focusing	A
	Haemoglobin	by SLS photometry	A
EDTA whole Blood	Mean cell volume, mean cell haemoglobin, mean cell haemoglobin concentration, red cell distribution width, immature platelet fraction	by calculation	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
	Haematology (cont'd)		
HUMAN BODY FLUIDS (cont'd)	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	Full Blood Count:	Light scatter and adsorption using Sysmex XN-9000 and the following measurement principles: SOP HAE-60RR-3	B
	White blood cells, neutrophils, lymphocytes, eosinophils, monocytes, basophils, nucleated red blood cells, reticulocytes	by fluorescence flow cytometry	B
	Red blood cells, platelets	by impedance	B
	Haemoglobin	by SLS photometry	B
	Mean cell volume, mean cell haemoglobin, mean cell haemoglobin concentration, red cell distribution width, mean platelet volume, immature platelet fraction	by calculation	B
	Haematocrit	by cumulative pulse measurement	B
Peripheral Blood	Blood film assessment & cell differential	Staining with May Grunwald & Giemsa stain using SP50 staining machine followed by microscopy SOPs HAE-RFRR-8 & HAE-RFRR-13	A
Whole Blood	Blood film assessment & cell differential	Staining with May Grunwald Giemsa stain manually or using Sysmex SP-10 Automated Blood Film Maker and Stainer followed by microscopy SOPs HAE-NMRR-14 & HAE-NMRR-15	B

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
	Haematology (cont'd)		
HUMAN BODY FLUIDS (cont'd)	Haematological examination activities for the purposes of clinical diagnosis. (cont'd)	In house documented procedures based on equipment manuals and standard methods as specified:	
Blood films	Differentiation and classification of white blood cells, characterisation of red blood cell morphology and platelet estimation	CellaVision™ DI-60 optic unit, microscope and camera system using CellaVision™ Blood Differential Software. SOP HAE-BNRR-17	A
EDTA Whole Blood	Erythrocyte sedimentation rate	Automated using Starrsed Auto-Compact and Interrliner analysers SOP HAE-RFRR-19	A, B
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	Immunochromatography using Carestart Malaria Rapyd test SOP HAE-60RR-23	B
EDTA Blood	Malaria speciation and quantitation	Giemsa stain of thick and thin films followed by manual microscopy SOP HAE-BNRR-6	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 absoprtion using Sysmex CS2500 SOP HAE-BNRR-1, HAE-BNRR-2,HAE-BNRR-3, HAE-BNRR-4	A
Plasma from citrated blood	Activated Partial Thromboplastin Time (APTT)	Light absorption using Sysmex CS2500 and PST Pathromtin assay SOP HAE-BNRR-1, HAE-BNRR-2,HAE-BNRR-3, HAE-BNRR-4	A,

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
	Haematology (cont'd)		
HUMAN BODY FLUIDS (cont'd)	Haematological examination activities for the purposes of clinical diagnosis. (cont'd)	In house documented procedures based on equipment manuals and standard methods as specified:	
Plasma	Coagulation: Prothrombin Time International Normalised ratio Activated Partial Thromboplastin Time (APTT) APTT ratio Fibrinogen-Clauss D-Dimer	Percentage detection using light transmission and immunoturbidimetry using Sysmex CS2500 SOP HAE-NMRR-20	B
EDTA Whole Blood	Detection of Infectious Mononucleosis Heterophile Antibody	Immunoassay using Accusay Mono SOP HAE-BNRR-7	A
Serum / Plasma	Detection of Infectious Mononucleosis Heterophile Antibody	Immunoassay using Clearview IM kit SOP HAE-NMRR-2	B
Whole Blood	Detection of intra-erythrocyte parasites	Staining using Field, Giemsa pH 7.2, May-Grunwald and Giemsa stains using the XN9000 RAL staining machine followed by microscopy SO PHAE-NMRR-22	B
Whole Blood	Quantitation of Haemoglobin F and Haemoglobin S	High performance liquid chromatography using Bio-Rad Variant II SOP HAE-NMRR-1	B

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY FLUIDS (cont'd)	Blood Transfusion		
	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 BTF-RFRR-59, BTF-BRRR-60, BTF-RFRR-48 Manual using Ortho Cassettes and tube method SOP BTF-RFRR-52	A, B A, B
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 Analyser SOP BTF-RFRR-48 Manual method using cassettes, enzyme panels SOP BTF-RFRR-47	A, B A, B
EDTA Blood	Direct Antiglobulin test (including newborn)	Automated using Ortho Vision Analyser SOP BTF-RFRR-26, BTF-RFRR-48 Manual using Ortho Cassettes SOP BTF-RFRR-26	A A
EDTA Blood	Direct Antiglobulin test	BioVue Technology using Ortho Vision Analyser (automated) BTF-RFRR-60 BioVue Technology using glass bead cassettes (manual) BTF-RFRR-51	B B

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY FLUIDS (cont'd)	Blood Transfusion (cont'd)		
	General examination activities for the purposes of clinical diagnosis: (cont'd)	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^W Kell: K	Automated using Ortho Vision Analyser SOP BTF-RFRR-59, BTF-RFRR-51, BTF-RFRR-48	A, B
		Manual using Ortho Cassettes SOP BTF-RFRR-51, BTF-RFRR-48	A, B
EDTA Blood	Compatibility testing of patient's plasma with donor cells	Manual using Ortho cassettes SOP BTF-RFRR-40	A
		Electronic issue SOP BTF-RFRR-41	A
EDTA Blood	Detection of Foetal Haemoglobin and cells	Manual method using Guest Medical Kleihauer test SOP BTF-RFRR-27	A
EDTA Blood	Serological crossmatch	BioVue Technology by manual method BTF-RFRR-40	B
	Crossmatch compatibility	Calculation and electronic issue BTF-RFRR-41	B
EDTA Blood	Detection of Foetal Haemoglobin and cells	Manual Kleihauer method using Betke test BTF-RFRR-27	B
Bone Marrow	Detection of normal and abnormal cell lines	Manual staining with May Grunwald and Giemsa stains followed by microscopy examination SOP HAE-NMRR-13	B

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY FLUIDS (cont'd)	Andrological examination activities for the purposes of clinical diagnosis		
Semen	Post vasectomy: 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, B
Semen	Fertility Analysis:	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, B
	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	
	Extended fertility examination:		
	Fructose (Seliwanoff's)	Seliwanoff's method	A, B

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY FLUIDS (cont'd)	Virology General examination activities for the purposes of clinical diagnosis:	In house documented procedures in conjunction with equipment manuals and standard methods as specified below:	
Nasopharyngeal and combined nose/throat swabs in viral transport media	Detection of SARS CoV-2 virus RNA (COVID-19) specific gene sequences; E gene & N2 gene Flu A Flu B RSV	PCR Cepheid GeneXpert and Xpert Xpress SARS-CoV-2 Flu RSV assay SOP BIO-BNRR-11	A, B
Serum	Serological detection of: Anti HCV II HIV Combi PT HBsAg II	Roche Cobas 8000 using e602 module SOP BIO-BNRR-14, BIO-MP1-7	A, B
END			