

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>9354</p> <p>Accredited to ISO 15189:2022</p>	<p>HSL (Analytics) LLP</p> <p>Issue No: 012 Issue date: 24 November 2025</p> <table><tr><td>Rapid Response Laboratory North Middlesex University Hospital Sterling Way London N18 1QX</td><td>Contact: Jacqueline Sutherland Tel: +44 (0) 207 307 7342 E-Mail: Jacqueline.Sutherland@hslpathology.com Website: www.hslpathology.com</td></tr></table> <p>Testing performed at the above address only</p>	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
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		

Site activities performed away from the locations listed above:

Location details	Activity
Address A & E Department North Middlesex University Hospital Sterling Way London N18 1QX	Local contact Shazia Yasin 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	Shazia Yasin 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	Shazia Yasin 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: Ion Sensitive Electrode module on Roche Cobas 8000 system by ISE method SOP BIO-MP1-8
Serum / Plasma (unless otherwise stated)	Sodium Potassium Chloride Digoxin Free Thryoxine Total Human Chorionic Gonadotrophin Thyroid Stimulating Hormone Troponin T	e602 module on Roche Cobas 8000 system by immunoassay SOP BIO-MP1-8
Serum	Pre-Eclampsia Screen (tests sFLt-1/PIGF Ratio) Ferritin Albumin Amylase Alkaline Phosphatase Alanine Transaminase	Photometry using Roche Cobas c702 module SOP BIO-MP1-8 BIO-MP1-7 BIO-MP1-37
Urine also		



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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: c702 module on Roche Cobas 8000 system by photometry SOP BIO-MP1-8
Serum	Amikacin Alkaline Phosphatase Alanine Transaminase Ammonia Aspartate Aminotransferase Bicarbonate Bilirubin (conjugated) Bilirubin (total)	
Urine also	Calcium Carbamezepine Cholesterol (HDL)	
Serum	Creatinine Kinase	
Serum and Urine	Creatinine (Enzymatic)	
Urine	Creatinine: Calcium Ratio C Reactive Protein Cholesterol Gamma Glutamyl Transferase Gentamicin	By calculation in Middleware LIMS



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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: c702 module on Roche Cobas 8000 system by photometry SOP BIO-MP1-8
CSF also	Glucose	
CSF also	Iron	
Serum	Lactate	
	Lactate Dehydrogenase	
	Lithium	
Urine also	LDL Cholesterol	
Urine only	Magnesium	
	Microalbumin	
	Paracetamol	
	Phenytoin	
Urine also	Phosphate	
Urine and CSF also	Protein (total)	
	Salicylate	
Serum	Total Iron Binding Capacity (TIBC)	By calculation in Middleware LIMS
	Triglycerides	
Urine and Serum	Urate	
Urine also	Urea	



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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: c702 module on Roche Cobas 8000 system by photometry SOP BIO-MP1-8
Urine and serum	Urate: Creatinine Ratio Unsaturated Iron Binding Capacity Valproate	By calculation in Middleware LIMS
Urine and Serum	Creatinine Clearance	By calculation in Middleware LIMS
Calculation	eGFR Calcium (adjusted) Glomerular Filtration Rate (estimated)	By calculation in Middleware LIMS
Urine	Protein: Creatinine ratio	
Urine	Creatinine: Albumin ratio	
Urine	Renal Tubular Reabsorption of Phosphate	By calculation in Middleware LIMS
Serum & urine	Osmolality	Freezing point depression using Micro-Osmometer 3320 SOP BIO-NMRR-2
Urine	Human Chorionic Gonadotrophin	Immunochromatography using Quadratech Check-4 dip-strips SOP BIO-NMRR-5
Whole blood	HbA1c	using TOSOH G11 SOP-BIO-NMRR-13



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HUMAN BODY FLUIDS (cont'd)	<u>Haematology</u> Haematological examination activities for the purposes of clinical diagnosis. 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, mean platelet volume, immature platelet fraction Haematocrit Blood film assessment & cell differential	In house documented procedures based on equipment manuals and standard methods as specified: Light scatter and adsorption using Sysmex XN-9000 and the following measurement principles: SOP HAE-60RR-3 by fluorescence flow cytometry by impedance by SLS photometry by calculation by cumulative pulse measurement 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
Whole Blood	Erythrocyte sedimentation rate	Starrsed Interrliner SOP HAE-NMRR-17
EDTA Blood		



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HUMAN BODY FLUIDS (cont'd)	<u>Haematology</u> Haematological examination activities for the purposes of clinical diagnosis. 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 Plasma Coagulation: Prothrombin Time International Normalised ratio Activated Partial Thromboplastin Time (APTT) APTT ratio Fibrinogen-Clauss D-Dimer Whole Blood Detection of intra-erythrocyte parasites Whole Blood Quantitation of Haemoglobin F and Haemoglobin S Serum / Plasma Detection of Infectious Mononucleosis Heterophile Antibody	In house documented procedures based on equipment manuals and standard methods as specified: Immunochromatography using Carestart Malaria Rapyd test SOP HAE-60RR-23 Percentage detection using light transmission and immunoturbidimetry using Sysmex CS2500 SOP HAE-NMRR-20 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 High performance liquid chromatography using Bio-Rad Variant II SOP HAE-NMRR-1 Immunoassay using Clearview IM kit SOP HAE-NMRR-2



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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:
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
EDTA Blood	<p>Blood group:</p> <p>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</p>	<p>BioVue Technology using Ortho Vision Analyser (automated) SOPs BTF-RFRR-60 & BTF-RFRR-38</p> <p>BioVue Technology using glass bead cassettes (manual) SOP BTF-RFRR-52 & SOP BTF-RFRR-38</p>
EDTA Blood	<p>Antibody detection and identification</p> <p>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: P₁ MNS: M, N, S, s Luth: Lu^a, Lu^b Xg: Xg^a</p>	<p>BioVue Technology using Ortho Vision Analyser (automated) SOP BTF-RFRR-60</p> <p>BioVue Technology using glass bead cassettes (manual) BTF-RFRR-47</p>
EDTA Blood	Antigen phenotyping:	<p>BioVue Technology using Ortho Vision Analyser (automated) BTF-RFRR-60</p>
	<p>Rh: C, E, c, e, C^W Kell: K</p>	<p>BioVue Technology using glass bead cassettes (manual) BTF-RFRR-51</p>
EDTA Blood	Serological crossmatch	<p>BioVue Technology by manual method BTF-RFRR-40</p>



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HUMAN BODY FLUIDS (cont'd)	<u>Blood Transfusion</u> General examination activities for the purposes of clinical diagnosis: (cont'd) <u>Crossmatch compatibility</u>	In house documented procedures in conjunction with equipment manuals and standard methods as specified below: Calculation and electronic issue BTF-RFRR-41
EDTA Blood	<u>Detection of Foetal Haemoglobin and cells</u>	Manual Kleihauer method using Betke test BTF-RFRR-27
EDTA Blood	<u>Direct Antiglobulin test</u>	BioVue Technology using Ortho Vision Analyser (automated) BTF-RFRR-60 BioVue Technology using glass bead cassettes (manual) BTF-RFRR-51
HUMAN BODY FLUIDS	<u>Virology</u> Examination activities for the purpose of clinical diagnosis	
Nasal swabs	<u>Detection of Flu A / Flu B / RSV & SARS-CoV-2 RNA (E, N2)</u>	Polymerase chain reaction using Cepheid GeneXpert and Xpert Xpress SARS-CoV-2 kit SOP PCR2-MP5-49
Serum	<u>Serological detection of:</u> Anti HCV II HIV Combi PT HBsAg II	Roche Cobas 8000 using e602 module SOP BIO-MP1-8



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HUMAN BODY FLUIDS	<u>Andrological examination activities for the purposes of clinical diagnosis</u>	
Semen	<u>Post vasectomy</u> <u>Detection of sperm</u> <u>Sperm concentration</u>	Based on 2016 Laboratory guidelines for post vasectomy semen analysis: Association of Biomedical Andrologists, the British Andrology Society and the British Association of Urological Surgeons) Manual method using large volume disposable chambers and microscopy SOP AND-76WP-4
Semen	<u>Fertility testing</u> <u>Volume</u> <u>pH</u> <u>Sperm morphology including TZI scoring</u> <u>Sperm concentration</u> <u>Sperm motility</u> <u>Sperm vitality</u> <u>IgA / IgG antibodies</u> <u>Fructose (Seliwanoff's)</u>	Based on WHO laboratory manual for the examination and processing of human semen (Sixth edition 2021) and manual method / documented in-house procedure SOP AND-76WP-1 Volume/weight Colorimetric strips Stained slides (Papanicolaou) microscopy (Bright field) Microscopy (Phase contrast) Microscopy (Phase contrast) Stained slide (Vital Stain) microscopy MAR test Seliwanoff's method using AND-76WP-9

END