


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>UKAS MEDICAL 8912</p> <p>Accredited to ISO 15189:2022</p>	Tameside and Glossop Integrated Care NHS Foundation Trust	
	Issue No: 013 Issue date: 21 November 2025	
	Department of Blood Sciences Tameside General Hospital New Fountain House Ashton-under-Lyne OL6 9RW	Contact: Hayley Palmer Tel: +44 (0) 161 922 6419 E-Mail: Hayley.Palmer@tgh.nhs.uk Website: www.tamesidehospital.nhs.uk
Testing performed at the above address only		

Laboratory locations:

Location details		Activity
Address Department of Blood Sciences Tameside General Hospital New Fountain House Ashton-under-Lyne OL6 9RW	Local contact Hayley Palmer	Clinical Biochemistry Haematology & Blood Transfusion Serology

Site activities performed away from the locations listed above:

Location details		Activity
Theatres Tameside General Hospital (address as above)	Local Contact Hayley Palmer	Blood Issue Fridge
A&E Tameside General Hospital (address as above)	Local Contact Hayley Palmer	Blood Issue Fridge
HCU (Ward 30) Tameside General Hospital (address as above)	Local Contact Hayley Palmer	Blood Issue Fridge
Central Delivery Unit Tameside General Hospital (address as above)	Local Contact Hayley Palmer	Blood Issue Fridge
Tameside Macmillan Unit Tameside General Hospital (address as above)	Local Contact Hayley Palmer	Blood Issue Fridge



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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>Biochemical examination activities for the purposes of clinical diagnosis</u> Quantification of: <u>Tumour Markers</u>	In-house documented procedures based on equipment manuals and standard methods as specified below: Beckman Coulter DXI 800 (1146065 & 1145792) using immunoassay with specific reference to:
Serum	AFP CA19-9 CA 125 CEA PSA	SOP B021 SOP B043 SOP B044 SOP B022 SOP B048
Serum	<u>Endocrine</u> Cortisol Free T3 FT4 FSH LH Oestradiol Parathyroid Hormone Progesterone Prolactin Total HCG Testosterone TSH	SOP B023 SOP B026 SOP B027 SOP B028 SOP B106 SOP B045 SOP B049 SOP B046 SOP B047 SOP B050 SOP B119. SOP B057



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemical examination activities for the purposes of clinical diagnosis</u> (cont'd)	In-house documented procedures based on equipment manuals and standard methods as specified below:
Serum	Quantification of: <u>Haematinics</u> Ferritin Folate Intrinsic Factor Antibodies Vitamin B12	Beckman Coulter DXI 800 (1146065 & 1145792) using immunoassay with specific reference to: SOP B024 SOP B025 SOP B035 SOP B052
Serum	AFP CEA CA19-9 CA125 PSA Troponin HCG FT4 TSH Vitamin D	Beckman Coulter DXI 800 using two-site enzymatic (sandwich) assay BSC.CD.B191
Blood	Iron (TIBC, SAT)	Beckman Coulter DXI using AU Photometric Colour TPTZ SOP B082
Serum	Total Vitamin D	Beckman Coulter Access 250h using DXI two step competitive binding immune enzymatic assay SOP B112
Serum	<u>Cardiac Markers</u> Troponin I	Beckman Coulter DXI using immunoassay SOP B058



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemical examination activities for the purposes of clinical diagnosis</u> (cont'd)	In-house documented procedures based on equipment manuals and standard methods as specified below:
Serum	Quantification of:	Beckman Coulter AU AU5811 (2750403 & 23473305) using the following measurement principles with specific reference to:
	<u>Drugs</u>	
	Alcohol	Enzymatic SOP B087
	Paracetamol	Enzymatic SOP B095
	Salicylate	Enzymatic SOP B104
Serum	<u>Enzymes</u>	
	ALP	Kinetic colour IFCC SOP B069
	ALT	Kinetic UV IFCC (without PLP) SOP B070
Serum, Urine	Amylase	Kinetic colour- G7 IFCC SOP B075
	AST	Kinetic UV IFCC (without PLP) SOP B073
	CK	Kinetic UV NAC- IFCC SOP B074
	GGT	Kinetic colour IFCC SOP B071
	Lactate dehydrogenase	Kinetic UV- P to L SOP B101



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemical examination activities for the purposes of clinical diagnosis</u> (cont'd)	In-house documented procedures based on equipment manuals and standard methods as specified below:
Serum	Quantification of:	Beckman Coulter AU5811 and AU5812 (2750403 & 23473305) using the following measurement principles with specific reference to:
	<u>Metabolites</u>	
	Albumin	Photometric colour BCP SOP B067
	Bicarbonate	Enzymatic- PEP carboxylase SOP B064
	Bilirubin (direct)	Photometric colour- Diazo SOP B086
Serum, Urine	Bilirubin (total)	Photometric colour test for the quantitative determination of total bilirubin. Bilirubin +DPD (diazonium salt) in the presence of an accelerator forms azobilirubin SOP B081
	Calcium	Photometric colour- Arsenazo III SOP B065
Serum, Urine, CSF	Creatinine (CRCL, eGFR, PCRAT, CCR)	Kinetic colour- compensated Jaffe SOP B063
	Glucose	Enzymatic UV – hexokinase + G6PD SOP B066
Serum	Lipids (HDL, Cholesterol, Triglyceride, LDLC, Chol/HDL)	Enzymatic colour- Ag/Ab complex SOP B078
Serum, Urine	Inorganic Phosphorous	Photometric UV-phosphomolybdate SOP B072



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemical examination activities for the purposes of clinical diagnosis</u> (cont'd)	In-house documented procedures based on equipment manuals and standard methods as specified below:
	Quantification of: (cont'd)	Beckman Coulter AU5811 and AU5812 (2750403 & 23473305) using the following measurement principles with specific reference to:
	<u>Metabolites</u> (cont'd)	
Plasma, CSF	Lactate	Enzymatic colour- lactate dehydrogenase SOP B083
Serum, Urine	Magnesium	Photometric- colour-xylidyl blue SOP B080
Serum	Total Protein	Photometric colour- Biuret SOP B068
Serum, Urine	Urea	Kinetic UV- urease SOP B062
	Uric Acid	Enzymatic colour- uricase SOP B079
Urine, CSF	Protein	Photometric colour- Pyragallo red SOP B090
CSF	Xanthochromia	Uvikon XS Spectrophotometry B114
	<u>Specific Proteins</u>	
	Quantification of:	Beckman Coulter AU5811 and AU5812 (2750403 & 23473305) using the following measurement principles with specific reference to:
Serum	CRP	Immuno-turbidimetric-latex/norm app SOP B056
	Haptoglobin	Immuno-turbidimetric SOP B102



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemical examination activities for the purposes of clinical diagnosis</u> (cont'd)	In-house documented procedures based on equipment manuals and standard methods as specified below:
	Quantification of: (cont'd)	Beckman Coulter AU5811 and 5812 (2750403 & 23473305) using the following measurement principles with specific reference to
	<u>Specific Proteins</u> (cont'd)	
Serum	Immunoglobulins A, G, M	Immuno-turbidimetric SOP B084
Urine	Microalbumin	Immuno-turbidimetric SOP B089
Serum	Transferrin	Beckman Coulter AU5811 (2750403 & 23473305) using Immuno-turbidimetric SOP B105
Blood	HbA1c	TOSOH G11 using HPLC SOP B004
	<u>Immunology</u>	
Serum	Rheumatoid Factor	Immuno- turbidimetric- latex SOP B085
	Thyroid Antibodies	Two step enzymatic sandwich assay DXI SOP B051



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Serum	Bile Acids	Beckman Coulter AU Enzymatic SOP B100
Serum, Urine	Osmolality	Advanced Instrumentation Osmometer OSMO 1 using Freezing point depression SOP: BSC.SOP.B029
Serum	Globulin GAP	Using Beckman Coulter AU and DXC iLab TP (CSC telepath system)
Serum	Adjusted calcium	SOP B116
Serum	AKI stages	
Serum	Estimated GFR	
Serum	C3 complement C4 complement	Beckman Coulter AU5800 using turbidimetric assay BSC.CA.B053
Serum	N-terminal pro B-type Natriuretic Peptide (BNP)	Beckman Coulter DXI 9000 using Two-site immunoenzymatic (sandwich) assay BSC.CD.B191



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HUMAN BODY FLUIDS (cont'd)	<u>Haematological examination activities for the purposes of clinical diagnosis</u>	In-house documented procedures based on equipment manuals and standard methods as specified below:
Blood	<u>General Haematology</u> Quantification of: WBC RBC MCV Platelets	Beckman Coulter DxH900 (BE06127 & BE06128) FBC using impedance SOP H200 H058
Blood	Quantification of: Neutrophil Lymphocyte Monocyte Eosinophil Basophil Nucleated Red Cell Reticulocytes	Beckman Coulter DxH900 Automated Differential using flow cytometry SOP H200 H058



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HUMAN BODY FLUIDS (cont'd)	<u>Haematological examination activities for the purposes of clinical diagnosis</u> (cont'd)	In-house documented procedures based on equipment manuals and standard methods as specified below:
EDTA Blood Films	<u>General Haematology</u> (cont'd) Differential Cell Count of WBC	Manual Differential using Aerospray Slide Stainer- May Grunwald Giemsa staining BSC.SOP.H202 Microscopes: Nikon Eclipse E400 S/N - 676157 (Haematology) Zeiss Standard 25 S/N - 095622 (Haematology Transfusion) Nikon Eclipse E80i - S/N - 450055 (Haematology) Nikon Eclipse E400 S/N - 678302 (Haematology/ consultant SOP H022, H023, H025,-H054
Blood	ESR	Sediplus S2000 IR- Transmission Sedimentation SOP H033
Serum	Infectious Mononucleosis Screening Test (EBV IgM)	Accusay (MONO) Launch using solid phase immunoassay SOP H036
Blood	Detection of <i>P. falciparum</i> (HRP II) and pLDH (<i>P. falciparum</i> , <i>P. vivax</i> , <i>P. ovale</i> , <i>P. malariae</i>)	CareUS Diagnostic Rapydtest BSC.SOP.H035



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HUMAN BODY FLUIDS (cont'd)	<u>Haematological examination activities for the purposes of clinical diagnosis</u> (cont'd)	In-house documented procedures based on equipment manuals and standard methods as specified below:
EDTA Blood films- thick and thin	<u>General Haematology</u> (cont'd) Detection of malarial parasites	Microscopical detection malarial parasites using Aerospray Slide Stainer- May Grunwald Giemsa staining BSC.SOP.H202 Microscopes: Nikon Eclipse E400 S/N - 676157 (Haematology) Zeiss Standard 25 S/N - 095622 (Haematology Transfusion) Nikon Eclipse E80i - S/N - 450055 (Haematology) Nikon Eclipse E400 S/N - 678302 (Haematology/ consultant SOP H030
Serum	Myeloma Screening Detection of normal and abnormal proteins	Sebia Hydrasys 2 Scan (2122) using the following measurement principles with specific reference to: Electrophoresis- agarose gel SOP B006 Immunofixation electrophoresis SOP B007
Plasma	APTT PT INR D-Dimer Lupus Inhibitor Fibrinogen Factor VIII Factor IX	Werfen ACL Top 350 CSC (Clotting/Immunoturbidimetric methods) SOP.H081



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HUMAN BODY FLUIDS (cont'd)	<u>Blood Transfusion examinations to assist in clinical investigations and treatment</u>	In-house documented procedures based on equipment manuals and standard methods as specified below:
Blood	Blood group (manual) Adult (anti-A, anti-B, Anti-D, A1 cells, B cells)	Ortho Manual SOP T055
Blood	Paediatric (anti-A, anti-B, AntiAB, Anti-IgG)	
Blood	Antibody detection screen (manual) Rh: D, C, E, c, e, cw Kell: K, k, Kpa, Kpb, Jsa, Jsb Duffy: Fya, Fyb Kidd: Jka, Jkb Lewis: Lea, Leb P: P1 MNS: M, N, S, s Lutheran: Lua, Lub Xg: Xga	Ortho Manual SOP T055
Blood	Direct antibody test	Ortho Manual SOP T055
Blood	Red Cell phenotyping (C, E, c, e, K)	Ortho Vision Analyser SOP T054
Blood	Antibody investigation and identification	AHG and enzyme panels Ortho BioVue Cassettes- Automated or Manual SOPs T030, T055, T054, T059
Blood	Serological Cross match	Ortho Vision Analyser SOP T055 T054
Blood	Measurement of Foetal RBC in maternal blood for FMH determination (Kleihauer)	ClinTech Acid Elution SOP T006
Blood	Rapid blood grouping (anti-A, anti-B, anti-AB, anti-D, A cells B cells)	Manual method using Lorne anti SOP T024 sera



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<p>HUMAN BODY FLUIDS (cont'd)</p> <p>Blood</p> <p>Blood</p>	<p><u>Blood Transfusion examinations to assist in clinical investigations and treatment</u> (cont'd)</p> <p>Manual red cell phenotyping</p> <p>ABO & Rhesus D Blood group (automated)</p> <p>Direct antibody test (IgG, C3d, CTL)</p> <p>Antibody screen – antigens of the following systems Rh: D, C, E, c, e, f, c^w, v 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 Lutheran: Lu^a, Lu^b Xg: Xg^a</p>	<p>In house documented procedures based on equipment manuals and standard methods as specified below:</p> <p>Manual methods using Ortho BioVue Cassettes or tube techniques SOP T050</p> <p>Ortho BioVue cassettes on Ortho Vision SOP T052, T054, T059</p>
END		