


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>UKAS MEDICAL 21781</p> <p>Accredited to ISO 15189:2022</p>	<p>Buckinghamshire Healthcare NHS Trust</p> <p>Issue No: 007 Issue date: 23 June 2026</p>	
	<p>Blood Sciences Laboratory Stoke Mandeville Hospital Mandeville Road Aylesbury HP21 8AL</p>	<p>Contact: Ben Powell Tel: +44 (0) 7484 019508 E-Mail: b.powell7@nhs.net Website: www.buckshealthcare.nhs.uk</p>
<p>Testing performed by the Organisation at the locations specified below</p>		

Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details	Activity	Location code
<p>Blood Sciences Laboratory Pathology Laboratory Stoke Mandeville Hospital Mandeville Road Aylesbury HP21 8AL</p> <p>Local contact: Ben Powell</p>	<p>Haematology Biochemistry Blood Transfusion</p>	A
<p>Blood Sciences Laboratory Pathology Laboratory Wycombe Hospital Queen Alexandra Road High Wycombe Bucks HP11 2TT</p> <p>Local contact: Ben Powell</p>	<p>Haematology Biochemistry Blood Transfusion</p>	B

Site activities performed away from the locations listed above:

Location details	Activity
Stoke Mandeville Hospital – New Wing	Storage of Blood products
Stoke Mandeville Hospital – Maternity	Storage of Blood products
Stoke Mandeville Hospital – Cancer Care and Haematology Day Unit	Storage of Blood products
Wycombe Hospital – Cancer Care and Haematology Day Unit	Storage of Blood Products



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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 incorporating manufacturers' instructions where relevant using the following instrumentation and methodology: Photometric assays Abbott Architect C8000 BS-SOP-B7	
Blood	Alanine Transferase		B
Blood	Alkaline Phosphatase		B
Blood, Urine	Amylase		B
Blood	AST		B
Blood	Bicarbonate		B
Blood	Cholesterol		B
Blood	Creatine Kinase		B
Blood	Gamma Glutamyl Transferase		B
Blood	LDH		B
Blood	LDL Cholesterol – Friedewald calculation		B
Blood	Triglycerides		B
Blood	Ethanol		B
Urine	Calcium		B
Blood	Corrected Calcium - calculated		B
Blood, Urine	Creatinine – enzymatic method		B



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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 incorporating manufacturers' instructions where relevant using the following instrumentation and methodology: Photometric assays Abbott Architect C8000 BS-SOP-B7	
Blood, Urine	Magnesium		B
Blood, Urine	Phosphate (inorganic)		B
Blood, Urine	Urea		B
Blood, Urine	Uric Acid		B
Blood	Paracetamol		B
		Enzymatic Colourimetric assays Abbott Architect C8000 BS-SOP-B7	
Blood	ACE		B
Blood	Salicylate		B
Blood	Ammonia		B
Blood	Glucose		B
Blood	Lactate		B
Blood	Glucose		B
		Enzymatic Colourimetric assays Abbott Architect C8000 BS-SOP-B7	
Blood, CSF	Total Protein		B



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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 incorporating manufacturers' instructions where relevant using the following instrumentation and methodology:	
		Colourimetric assays Abbott Architect C8000 BS-SOP-B7	B
Blood, urine	Albumin		B
Blood	Bilirubin		B
Blood	Bilirubin Direct		B
Blood	Bilirubin Indirect - calculated		B
Blood	Iron		B
Blood	Lithium		B
Blood, urine	Total Protein		B
Blood	Total Globulins - calculated		B
		Immunoturbidimetric assays Abbott Architect C8000 BS-SOP-B7	
Blood	C-Reactive Protein		B
Blood	Transferrin		B
Urine	Microalbumin		B
		Particle-enhanced turbidimetric inhibition immunoassay – (PETINA) Abbott Architect C8000 BS-SOP-B7	
Blood	Digoxin		B
Blood	Gentamicin		B
Blood	Vancomycin		B



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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 incorporating manufacturers' instructions where relevant using the following instrumentation and methodology: Ion selective electrode (ISE) Indirect assays Abbott Architect C8000 BS-SOP-B7	
Blood, urine	Chloride		B
Blood, urine	Potassium		B
Blood, urine	Sodium		B
Blood	Phenytoin	Enzyme Immunoassay Abbott Architect C8000 BS-SOP-B7	B
Blood	Theophylline		B
Blood	NT Pro-BNP	Chemiluminescent Microparticle Immunoassay (CMIA) – non-competitive Abbott Architect ISR2000 BS-SOP-B8	B
Blood	Alpha Fetoprotein		B
Blood	Anti TPO		B
Blood	Beta hCG (pregnancy)		B
Blood	Carcino Embryonic Antigen (CEA)		B
Blood	CA125		B
Blood	CA153		B
Blood	CA 199		B
Blood	Ferritin		B



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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 incorporating manufacturers' instructions where relevant using the following instrumentation and methodology: Chemiluminescent Microparticle Immunoassay (CMIA) – non-competitive Abbott Architect ISR2000 BS-SOP-B8	
Blood	Folate		B
Blood	Free T3		B
Blood	Free T4		B
Blood	FSH		B
Blood	Luteinising Hormone		B
Blood	Oestradiol		B
Blood	Macroprolactin – PEG dilution	BS-SOP-B10	B
Blood	Cortisol		B
Blood	Progesterone		B
Blood	Prolactin		B
Blood	Total Prostate Specific Antigen		B
Blood	Testosterone		B
Blood	Thyroid Stimulating Hormone		B
Blood	Free Androgen Index-calculation		B



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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 incorporating manufacturers' instructions where relevant using the following instrumentation and methodology: Chemiluminescent Microparticle Immunoassay (CMIA) – non-competitive Abbott Architect ISR2000 BS-SOP-B8	
Blood	High Sensitivity Troponin I		B
Blood	Vitamin B12		B
Blood	Vitamin D		B
Blood	Intact Parathyroid Hormone	Chemiluminescent Microparticle Immunoassay (CMIA)-non-Sandwich assay Abbott Architect ISR2000 BS-SOP-B8	B
CSF	Xanthochromia	UVIKON XS double beam UV/Visible Spectrophotometer BS-SOP-B3	A
Sweat	Sweat chloride	Chlorocheck BS-SOP-B6	B
Blood, urine	Osmolality	Vitech Scientific Osmo1 BS-SOP-B15	A, B
Faeces	Calprotectin	Diasorin Liaison ELISA BS-SOP-B6	A



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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 incorporating manufacturers' instructions where relevant using the following instrumentation and methodology: Helena SAS-3 & SAS-4 Agarose gel electrophoresis BS-SOP-IV18 BS-SOP-IV43 BS-SOP-IV44 BS-SOP-IV45 BS-SOP-IV46	
Blood	Serum immunofixation		A
Urine	Urine electrophoresis		A
Urine	Urine fixation		A
		Helena V8 Capillary zone electrophoresis BS-SOP-IV18 BS-SOP-IV43 BS-SOP-IV44 BS-SOP-IV45 BS-SOP-IV46 BS-SOP-IV47	
Blood	Serum electrophoresis		A
Blood	Serum immunodisplacement		A
Blood	Paraprotein quantitation		A



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HUMAN BODY FLUIDS (cont'd)	<u>Haematology examination activities for the purpose of clinical diagnosis</u>	In house documented procedures incorporating manufacturers' instructions where relevant using the following instrumentation and methodology: Differential laser light scatter using Sysmex XN automated analysers Location A and B = XN20 & XN10 BS-SOP-H10	
Whole Blood (EDTA)	Haemoglobin White Blood Cell Count Red Blood Cell Count Haematocrit Mean Corpuscular Volume (MCV) Mean Corpuscular Haemoglobin (MCH) Mean Corpuscular Haemoglobin Concentration (MCHC) Platelet Count Red Cell Distribution Width (coefficient variation) Nucleated Red Blood Cell Count Neutrophil absolute count & % Lymphocyte absolute count & % Monocyte absolute count & % Eosinophil absolute count & % Basophil absolute count & %		A, B



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HUMAN BODY FLUIDS (cont'd)	<u>Haematology examination activities for the purpose of clinical diagnosis (cont'd)</u>	In house documented procedures incorporating manufacturers' instructions where relevant using the following instrumentation and methodology:	
Whole Blood (EDTA)	Erythrocyte Sedimentation Rate (ESR)	Westergren method using Monovette pipettes BS-SOP-H11	A, B
Whole Blood (EDTA)	Detection of Morphological Structure.	Microscopy manual blood film examination BS-SOP-H23 Transfer of blood films between laboratories BS-SOP-H24	A, B
Bone Marrow	Detection of Morphological Structure	Manual Bone Marrow Film Staining (Perls Iron Stain) & Microscopy BS-SOP-H8 BS-SOP-H18	A, B
Whole Blood (EDTA)	Detection and identification of malarial parasites: <i>Plasmodium falciparum</i> <i>Plasmodium vivax</i> <i>Plasmodium ovale</i> <i>Plasmodium malariae</i> Trypanosomes Microfilariae	Staining and Microscopy Morphological examination Blood Borne Parasite Thin film (Giemsa stain) Thick film (Field's stain) BS-SOP-H8	A



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HUMAN BODY FLUIDS (cont'd)	<u>Haematology examination activities for the purpose of clinical diagnosis</u> (cont'd)	In house documented procedures incorporating manufacturers' instructions where relevant using the following instrumentation and methodology: Documented in-house methods to meet the requirements of the Sickle cell and Thalassaemia (SCT) screening programme(s) as defined in the laboratory QA evidence requirement	
Whole Blood (EDTA)	Detection and identification of abnormal Haemoglobins A1, A2 and F and confirmation of Haemoglobin C, S, D and E	BioRad Variant II HPLC BS -SOP-H2	A
Whole Blood (EDTA)	Sickle solubility	Clin-tech sickle test screening kit BS-SOP-H10	A



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HUMAN BODY FLUIDS (cont'd)	<u>Transfusion examination activities for the purpose of clinical diagnosis</u>	In house documented procedures incorporating manufacturers' instructions where relevant using the following instrumentation and methodology: Automated- Ortho Vision using Column Gel Technology BS-SOP-BT3	
Whole Blood (EDTA)	A Rh D Positive B Rh D Positive AB Rh D Positive O Rh D Positive A Rh D Negative B Rh D Negative AB Rh D Negative O Rh D Negative		A, B
Whole Blood (EDTA)	Rh - C,D,E,c,e,Cw Kell - K, Kpa ,k Duffy - Fya, Fyb MNSs - M, N, S, s Kidd - Jka, Jkb Lewis - Lea + Leb Lutheran - Lua P - P1	Ortho diagnostics Biovue IgG cards Biovue Neutral cards, Resolve panel C (antibody panels), BioRad IgG grouping and DAT cassettes, Indirect antiglobulin test, Enzyme method, Exclusion method (antibody panels), Manual method BS-SOP-BT25	A, B
Whole Blood (EDTA)	Direct Antiglobulin Test (DAT)	Ortho Vision System DAT/IDAT cassettes Manual method BS-SOP-BT11	A
Whole Blood (EDTA)	Rh/K Phenotype (CcEeK)	Ortho Vision System BS-SOP-BT58	A, B
Whole Blood (EDTA)	Serological compatibility testing	Manual method BS-SOP-BT12	A, B
Whole Blood (EDTA)	Foetal Kleihauer - qualitative analysis	Clin Tech Shepard Kits Manual method acid elution BS-SOP-BT8	A
Whole Blood (EDTA)	Antibody panels	Manual method using Ortho Biovue IgG and neutral cards BioRad IgG and neutral cards	A, B



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HUMAN BODY FLUIDS (cont'd)	<u>Transfusion examination activities for the purpose of clinical diagnosis</u> (cont'd)	In house documented procedures incorporating manufacturers' instructions where relevant using the following instrumentation and methodology:	
Whole Blood (EDTA)	Red Cell phenotype	Manual method using Ortho IgG or neutral cards Tube methods	A, B
END			