


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>UKAS MEDICAL</p> <p>21781</p> <p>Accredited to ISO 15189:2022</p>	<p>Buckinghamshire Healthcare NHS Trust</p> <p>Issue No: 005 Issue date: 16 November 2025</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 Location A = Abbott Architect C8000/C16000 Location B = Abbott Architect C8000 BS-SOP-B7	
Blood	Alanine Transferase		A,B
Blood	Alkaline Phosphatase		A,B
Blood, Urine	Amylase		A,B
Blood	AST		A,B
Blood	Bicarbonate		A,B
Blood	Cholesterol		A,B
Blood	Creatine Kinase		A,B
Blood	Gamma Glutamyl Transferase		A,B
Blood	LDH		A,B
Blood	LDL Cholesterol – Friedewald calculation		A,B
Blood	Triglycerides		A,B
Blood	Ethanol		A,B
Urine	Calcium		A,B
Blood	Corrected Calcium - calculated		A,B
Blood, Urine	Creatinine – enzymatic method		A,B



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Blood	eGFR – MDRD calculation		A,B
Blood, Urine	Magnesium		A,B
Blood, Urine	Phosphate (inorganic)		A,B
Blood, Urine	Urea		A,B
Blood, Urine	Uric Acid		A,B
Blood	Paracetamol		A,B
		Enzymatic Colourimetric assays Location A = Abbott Architect C8000/C16000 Location B = Abbott Architect C8000 BS-SOP-B7	
Blood	ACE		B
Blood	Salicylate		A,B
Blood	Ammonia		A,B
Blood	Ethanol (repeat test)		A,B
Blood	Glucose		A,B
Blood	Lactate		A,B
Blood	Glucose		A,B



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Blood, CSF	Lactate (repeat test)		A,B
Blood, CSF	Total Protein		A,B
		Colourimetric assays Location A = Abbott Architect C8000/C16000 Location B = Abbott Architect C8000 BS-SOP-B7	A,B
Blood, urine	Albumin		A,B
Blood	Bilirubin		A,B
Blood	Bilirubin Direct		A,B
Blood	Bilirubin Indirect - calculated		A,B
Blood	Iron		A,B
Blood	Lithium		A,B
Blood, urine	Total Protein		A,B
Blood	Total Globulins - calculated		A,B
Blood	Bile Acids		A



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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: Immunoturbidimetric assays Location A = Abbott Architect C8000/C16000 Location B = Abbott Architect C8000 BS-SOP-B7	
Blood	C-Reactive Protein		A,B
Blood	Transferrin		A,B
Urine	Microalbumin		A,B
		Particle-enhanced turbidimetric inhibition immunoassay – (PETINA) Location A = Abbott Architect C8000/C16000 Location B = Abbott Architect C8000 BS-SOP-B7	
Blood	Digoxin		A,B
Blood	Gentamicin		A,B
Blood	Vancomycin		A,B
Blood	Teicoplanin		A
		Ion selective electrode (ISE) Indirect assays Location A = Abbott Architect C8000/C16000 Location B = Abbott Architect C8000 BS-SOP-B7	
Blood, urine	Chloride		A,B
Blood, urine	Potassium		A,B
Blood, urine	Sodium		A,B



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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: Enzyme Immunoassay Location A = Abbott Architect C8000/C16000 Location B = Abbott Architect C8000 BS-SOP-B7	
Blood	Phenytoin		A,B
Blood	Theophylline		A,B
Blood	Carbamazepine		A
Blood	Sodium Valproate		A
		Chemiluminescent Microparticle Immunoassay (CMIA) – non-competitive Location A = Abbott Architect ISR 2000 Location B = Abbott Architect ISR2000 BS-SOP-B8	
Blood	NT Pro-BNP		A,B
Blood	Alpha Fetoprotein		A,B
Blood	Anti TPO		A,B
Blood	Beta hCG (pregnancy)		A,B
Blood	Carcino Embryonic Antigen (CEA)		A,B
Blood	CA125		A,B
Blood	CA153		B
Blood	CA 199		A,B
Blood	Ferritin		A,B



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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: Chemiluminescent Microparticle Immunoassay (CMIA) – non-competitive Location A = Abbott Architect ISR 2000 Location B = Abbott Architect ISR2000 BS-SOP-B8	
Blood	Folate		A,B
Blood	Free T3		A,B
Blood	Free T4		A,B
Blood	FSH		A,B
Blood	Luteinising Hormone		A,B
Blood	Oestradiol		A,B
Blood	Macroprolactin – PEG dilution	BS-SOP-B10	A,B
Blood	Cortisol		A,B
Blood	Progesterone		A,B
Blood	Prolactin		A,B
Blood	Procalcitonin		A
Blood	Total Prostate Specific Antigen		A,B
Blood	Testosterone		A,B
Blood	Thyroid Stimulating Hormone		A,B
Blood	Free Androgen Index-calculation		A,B



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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: Chemiluminescent Microparticle Immunoassay (CMIA) – non-competitive Location A = Abbott Architect ISR 2000 Location B = Abbott Architect ISR2000 BS-SOP-B8	
Blood	High Sensitivity Troponin I		A,B
Blood	Vitamin B12		A,B
Blood	Vitamin D		A,B
Blood	SHBG		A
Blood	Intact Parathyroid Hormone	Chemiluminescent Microparticle Immunoassay (CMIA)-non-Sandwich assay Location A = Abbott Architect ISR 2000 Location B = Abbott Architect ISR2000 BS-SOP-B8	A,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	<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: 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	<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:	
Whole Blood (EDTA)	Erythrocyte Sedimentation Rate (ESR)	Vitech Starrsed analyser automated ESR BS-SOP-H12	A,B
Whole Blood (EDTA)	Erythrocyte Sedimentation Rate (ESR)	Westergren method using Monvette 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,B



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HUMAN BODY FLUIDS	<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: 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
HUMAN BODY FLUIDS	<u>Coagulation examination activities for the purpose of clinical diagnosis</u>	In house documented procedures incorporating manufacturers' instructions where relevant using the following instrumentation and methodology: Sysmex CS-5100/CS2500 analysers	
Citrated Plasma	INR/Prothrombin time (PT)	Siemens Dade Innovin Reagent BS-SOP-C19 (PT/INR)	A,B
Citrated Plasma	Derived Fibrinogen	Master curve provided by Siemens during PT determinations BS-SOP-C19 (Derived fibrinogen)	A,B
Citrated Plasma	Clauss Fibrinogen	Siemens (Dade Behring) Thrombin assay BS-SOP-C06 (Clauss Fibrinogen)	A,B
Citrated Plasma	Thrombin time	Siemens Thromboclotin BS-SOP-C13 (Thrombin time)	A,B



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HUMAN BODY FLUIDS	<u>Coagulation examination activities for the purpose of clinical diagnosis</u>	In house documented procedures incorporating manufacturers' instructions where relevant using the following instrumentation and methodology: Sysmex CS-5100/CS2500 analysers	
Citrated Plasma	D-dimer	Siemens Innovance D-Dimer (PETINA) BS-SOP-C07(D dimer)	A,B
Citrated Plasma	Antithrombin III	Siemens Berichrom Antithrombin III Assay - quantitative kinetic test BS-SOP-C22	A
Citrated Plasma	Factor assays (VIII, IX, XI, XII) Factor IX	Siemens (Dade Behring) BS-SOP-C18 (Factor IX assay)	A
Citrated Plasma	Factor XI	Siemens (Dade Behring) BS-SOP-C27 (Factor XI)	A
Citrated Plasma	Factor VIII	Siemens One-Stage Factor VIII Assay - measured with APTT assay BS-SOP-C17	A
Citrated Plasma	Lupus anticoagulant	Siemens (Dade) Actin FSL APTT reagent & DRVV BS-SOP-C05 (LA)	A
Citrated Plasma	Low Molecular Weight Heparin	Sysmex CS-5100 analysers Biophen Heparin LRT - chromogenic anti-Xa method BS-SOP-C09 (LMWH)	A A
Citrated Plasma	Protein C	Sysmex Berichrom Protein C Assay - chromogenic BS-SOP-C26 (Protein C)	A
Citrated Plasma	Protein S	Sysmex Innovance Free PS Antigen Assay – turbidimetric BS-SOP-C23 (Protein S)	A



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Citrated Plasma	Apixaban	Biophen Heparin LRT Assay (Anti-Xa) - chromogenic anti-Xa method BS-SOP-C10 (Apixaban)	A
Citrated Plasma	Rivaroxaban	Chromogenic anti-Xa method BS-SOP-C11 (Rivaroxaban)	A
Citrated Plasma	Dabigatran	Hyphen BioMed Hemoclot Thrombin Inhibitors assay BS-SOP-C20 (Dabigatran)	A
HUMAN BODY FLUIDS	<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



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HUMAN BODY FLUIDS	<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:	
Whole Blood (EDTA)	Direct Antiglobulin Test (DAT)	Ortho Vision System DAT/IDAT cassettes Manual method BS-SOP-BT11	A,B
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
Whole Blood (EDTA)	Red Cell phenotype	Manual method using Ortho IgG or neutral cards Tube methods	A,B
END			