


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: 006 Issue date: 21 April 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 |
| Blood | eGFR – MDRD 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: 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 | Ethanol (repeat test) | | B |
| Blood | Glucose | | B |
| Blood | Lactate | | B |
| Blood | Glucose | | B |
| | | Enzymatic Colourimetric assays Abbott Architect C8000 BS-SOP-B7 | |
| Blood, CSF | Lactate (repeat test) | | B |
| 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 (standard deviation) Red Cell Distribution Width (coefficient variation) Platelet distribution width Mean Platelet Volume Platelet large cell ratio Platelet Citrate count Nucleated Red Blood Cell Count Neutrophil absolute count & % Lymphocyte absolute count & % Monocyte absolute count & % Eosinophil absolute count & % Basophil absolute count & % Immature Granulocyte Count Reticulocyte Count Absolute Count and % Immature Reticulocyte Fraction Reticulocyte Haemoglobin equivalent Immature Platelet Fraction | | 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 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 (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, 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 |



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| Whole Blood (EDTA) | Red Cell phenotype | Manual method using Ortho IgG or neutral cards Tube methods | A, B |
| END | | | |