


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

|  |   |  |
|--|---|--|
| <br><b>Accredited to<br/>ISO 15189:2022</b> | <b>Frimley Health NHS Foundation Trust</b>  |  |
|  | <b>Issue No:</b> 010 <b>Issue date:</b> 09 June 2025  |  |
|  | <b>Blood Science Department</b><br><b>Pathology Department</b><br><b>Wexham Park Hospital</b><br><b>Wexham</b><br><b>Slough</b><br><b>SL2 4HL</b> | <b>Contact:</b> Elaine Inglis<br><b>Tel:</b> +44 (0) 1932 723042 / 01753 633098<br><b>Fax:</b> +44 (0) 1932 875129<br><b>E-Mail:</b> <a href="mailto:fph-tr.bspsquality@nhs.net">fph-tr.bspsquality@nhs.net</a><br><b>Website:</b> <a href="http://www.nhspathology.fph.nhs.uk">http://www.nhspathology.fph.nhs.uk</a> |
| <b>Testing performed at the above address only</b>   |   |  |

### Site activities performed away from the locations listed above:

| Location details                                  | Activity  |
|---|---|
| Wexham Park Hospital<br>Main Lab                  | Blood storage & issue<br>Fridge managed by Blood Sciences                       |
| Wexham Park Hospital<br>Theatres                  | Blood storage & issue<br>Fridge managed by Blood Sciences                       |
| Wexham Park Hospital<br>Accident & Emergency Ward | Blood storage & issue<br>Fridge managed by Blood Sciences                       |
| Wexham Park Hospital<br>Eden Ward                 | Blood storage & issue<br>Fridge managed by Blood Sciences                       |
| Heatherwood Hospital<br>Pathology<br>Ascot        | Blood storage & issue<br>Fridge managed by Blood Sciences<br>Specimen reception |



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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>Blood Transfusion examinations to assist in clinical investigations</u>  | Procedures documented in manufacturer's equipment manuals in conjunction with documented in-house procedures by the following methods:                                     |
| Whole Blood<br>EDTA       | Blood Group by detection and identification of antigens:<br>ABO and RhD   | Automated using Immucor Neo analyser:<br>BTR-WPH-SOP-T012<br>BTR-WPH-SOP-T013<br><br>Manual column agglutination and manual Diamed gel IAT technology:<br>BTR-WPH-SOP-T032 |
| Plasma<br>EDTA            | Antibody Screen by detection of antibodies to:<br>Cc,E,e<br>K<br>Jka, Jkb<br>Fya, Fyb<br>M, N, S, s<br>Kpa                              | Automated using Immucor Neo analyser:<br>BTR-WPH-SOP-T012<br>BTR-WPH-SOP-T013<br><br>Manual gel IAT technology<br>BTR-WPH-SOP-T032   |
| Whole Blood<br>EDTA       | Antigen phenotyping:<br>Rh C, c, E, e<br>K  | Automated using Immucor Neo analyser<br>BTR-WPH-SOP-T033<br><br>Manual gel IAT technology<br>BTR-WPH-SOP-T033  |
| Plasma<br>EDTA            | Antibody investigation by detection, identification and quantification of:<br>C,c,E,e<br>K<br>Jka, Jkb<br>Fya, Fyb<br>M, N, S, s<br>Kpa | Automated using Immucor Neo analyser<br>BTR-WPH-SOP-T017<br><br>Manual gel IAT technology<br>BTR-WPH-SOP-T017  |
| Whole Blood<br>EDTA       | Direct Antiglobulin Test (DAT)  | Automated using Immucor Neo analyser<br>BTR-BSPS-SOP-012<br><br>Manual column gel IAT technology<br>BTR-WPH-SOP-T031   |



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| HUMAN BODY FLUIDS (cont'd) | <u>Blood Transfusion examinations to assist in clinical investigations</u><br>(cont'd)  | Procedures documented in manufacturer's equipment manuals in conjunction with documented in-house procedures by the following methods:             |
| Whole Blood<br>EDTA        | Foetal Maternal Haemorrhage   | Guest medical kits<br>Kleihauer Acid Elution Technique<br>BTR-WPH-SOP-T043   |
| Whole Blood<br>EDTA        | Compatibility testing of patients' plasma with donor cells  | Cross matching using column gel IAT technology<br>BTR-WPH-SOP-T021   |
|                            | <u>Haematological examinations for the purpose of clinical diagnosis</u>  | Procedures documented in manufacturer's equipment manuals in conjunction with documented in-house procedures by the following methods:             |
| EDTA Whole Blood           | Full Blood Count (FBC) analysis of the following parameters:<br>Hb<br>WBC<br>PLT<br>RBC<br>Hct<br>MCH<br>MCH<br>MCHC<br>RDW<br>Neutrophils (absolute)<br>Lymphocytes (absolute)<br>Monocytes (absolute)<br>Eosinophils (absolute)<br>Basophils (absolute) | Sysmex XN automated analysers differential laser light scatter<br>HAE-WPH-SOP-H.01 Sysmex XN<br>Use of<br>HAE-WPH-SOP-H.02 – Sysmex XN Maintenance |
| EDTA Whole Blood           | Screening test for Glucose 6 phosphate dehydrogenase deficiency   | Trinity Biotech kit, visual qualitative fluorescence<br>HAE-WPH-SOP-S.82   |
| EDTA Whole Blood           | Malarial antigens of:<br><i>Plasmodium falciparum</i><br>and pan-detection for:<br><i>Plasmodium malariae</i> ,<br><i>Plasmodium ovale</i> &<br><i>Plasmodium vivax</i>   | CareUS and malaria thick and thin films<br>HAE-BSPS-SOP-007  |



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| HUMAN BODY FLUIDS (cont'd)               | <u>Haematological examinations for the purpose of clinical diagnosis</u> (cont'd)                                     | Procedures documented in manufacturer's equipment manuals in conjunction with documented in-house procedures by the following methods:   |
| EDTA Whole Blood                         | Erythrocyte Sedimentation Rate (ESR)  | Automated Starsred analysers, modified Westergren method<br>HAE-WPH-SOP-H.26   |
| EDTA Whole Blood                         |   | Manual ESR method<br>HAE-WPH-SOP-H.27  |
| EDTA Whole Blood                         | Glycated Hb (HbA1c)   | TOSOH G11 BIO-FPH/WPH-SOP-050  |
| EDTA Whole Blood                         | Blood film analysis for:<br>Differential leucocyte count and morphology of the leucocytes, erythrocytes and platelets | Automated using SP10 slide preparation, staining using May-Grunwald-Giemsa and Giemsa stain<br>HAE-WPH-SOP-H.03<br><br>Manual staining using May Grunwald Giemsa and Diff Quick stains<br>HAE-WPH-SOP-H.14<br>HAE-WPH-SOP-H.23<br>HAE-WPH-SOP-H.24                       |
| EDTA Whole Blood<br>Bone Marrow aspirate |   | Manual Perl's stain<br>HAE-WPH-SOP-H.15<br><br>Documented -in-house methods to meet the requirements of the SCT screening programme as defined in the July 2018 NHS Sickle Cell and Thalassaemia Screening Programme: laboratory quality assurance evidence requirements |
| EDTA Whole Blood                         | Sickle cell solubility  | Sickle solubility assay by Clintech<br>HAE-BSPS-SOP-004  |
| EDTA Whole Blood                         | Haemoglobinopathy screen for Hb variants: HbA, A2, F, S, C, D, E  | TOSOH G11<br>HAE-WPH-SOP-S.30<br>HAE-WPH-SOP-S.31  |



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| HUMAN BODY FLUIDS (cont'd)                                | <u>Haematological examinations for the purpose of clinical diagnosis</u> (cont'd)  | Procedures documented in manufacturer's equipment manuals in conjunction with documented in-house procedures by the following methods:   |
| Sodium Citrate Plasma                                     | Blood coagulation <ul style="list-style-type: none"> <li>Prothrombin Time (PT)</li> <li>INR</li> <li>APTT</li> <li>Fibrinogen</li> <li>Factor VIII and Factor IX</li> <li>D-Dimer</li> <li>APTT mix</li> </ul> | Werfen TOPS 550<br>Mechanical clot detection<br>HAE-WPH-SOP-C001, HAE-WPH-SOP-C002, HAE-WPH-SOP-C005, HAE-WPH-SOP-C006, HAE-WPH-SOP-C007, HAE-WPH-SOP-C009, HAE-WPH-SOP-C0013, HAE-WPH-SOP-C0022 |
| Sodium Citrate Plasma                                     | <ul style="list-style-type: none"> <li>Anti Xa</li> </ul>  | Chromogenic Assay:<br>WPH-SOP-C0013  |
| Serum,<br>EDTA plasma<br>EDTA whole blood<br>NaHep plasma | Detection of infectious mononucleosis heterophile antibodies   | Accusay Glandular fever kit. HAE-WPH-SOP-S77   |
|   | <u>Biochemistry examination activities for the purposes of clinical diagnosis:</u>   | Documented in house methods and manufacturer's instructions for:   |
|   | Quantitative determination of:   | <b>Abbott Alinity Ci</b><br>Associated SOPs:<br>BIO-WPH-SOP-009<br>BIO-WPH-SOP-011<br>BIO-WPH-SOP-004<br>BIO-WPH-SOP-013BIO-WPH-SOP-005BIO-WPH-SOP-003<br>BIO-RBH/WPH-SOP-001                    |
| Serum, plasma   | ACE  | Enzymatic kinetic assay  |
| Serum   | AFP  | Sandwich immunoassay   |
| Serum, plasma   | CA-125   |  |
| Serum, plasma   | CA-153   |  |
| Serum, plasma   | CA-199   |  |
| Serum, plasma   | CEA  |  |
| Serum, plasma   | Hcg  |  |
| Serum, plasma   | LH   |  |



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| HUMAN BODY FLUIDS (cont'd) | <u>Biochemistry examination activities for the purposes of clinical diagnosis:</u> (cont'd) | Documented in house methods and manufacturer's instructions for: |
|                            | Quantitative determination of (cont'd):   | <b>Abbott Alinity Ci</b>   |
| Serum, plasma              | Albumin   | Colorimetric BCG assay   |
| Serum, plasma              | ALP   | Colorimetric assay   |
| Serum, plasma              | Iron  |  |
| Plasma, CSF                | Lactate   |  |
| Serum, plasma              | Lithium   |  |
| Serum, plasma              | Total bilirubin   |  |
| Serum, plasma              | Total protein   |  |
| Serum, urine, plasma       | Magnesium   | Colorimetric endpoint assay                                      |
| Serum, plasma              | Alpha 1 Antitrypsin   | Immunoturbidimetric assay  |
| Serum, plasma              | Haptoglobin   |  |
| Urine                      | Microalbumin  |  |
| Serum, plasma              | Transferrin   |  |
| Urine, CSF                 | total protein   | Turbidimetric assay  |
| Serum, plasma              | ALT   | UV-kinetic assay   |
| Serum, plasma              | AST   |  |
| Serum, plasma              | CK  |  |
| Serum, plasma              | LDH   |  |
| Serum, urine, plasma       | Urea  | Kinetic assay  |
| Plasma                     | Ammonia   | Enzymatic assay  |
| Serum, plasma              | Bicarbonate   |  |
| Serum, plasma              | Bile acids  |  |
| Serum, urine, plasma       | Enzymatic Creatinine  |  |
| Serum, plasma              | Paracetamol   |  |
| Serum, plasma              | Salicylate  |  |
| Serum, plasma              | Ethanol   | Enzymatic alcohol dehydrogenase assay                            |



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| HUMAN BODY FLUIDS (cont'd) | <u>Biochemistry examination activities for the purposes of clinical diagnosis:</u> (cont'd) | Documented in house methods and manufacturer's instructions for: |
| Serum, urine, plasma       | Quantitative determination of (cont'd):   | <b>Abbott Alinity Ci</b>   |
| Serum, plasma              | Amylase   | Enzymatic colorimetric assay                                     |
| Serum, plasma              | Cholesterol   |  |
| Serum, plasma              | gGT   |  |
| Serum, plasma              | HDL   |  |
| Serum, plasma              | Triglyceride  |  |
| Serum, urine, plasma       | Uric Acid   |  |
| Serum, plasma, CSF         | Glucose   | Enzymatic Hexokinase UV assay                                    |
| Serum, plasma              | Anti-Mullerian Hormone  | Sandwich immunoassay   |
| Serum, plasma              | Ferritin  |  |
| Serum, plasma              | Folate  |  |
| Serum, plasma              | FSH   |  |
| Serum, plasma              | hs Troponin T   |  |
| Serum, plasma              | Nt Pro BNP  |  |
| Serum, plasma              | Macroprolactin  |  |
| Serum, plasma              | Procalcitonin   |  |
| Serum, plasma              | Prolactin   |  |
| Serum, plasma              | PSA   |  |
| Serum, plasma              | PTH   |  |
| Serum, plasma              | SHBG  |  |
| Serum, plasma              | TSH   |  |
| Serum, plasma              | Vitamin D (Total)   |  |
| Serum, urine, plasma       | Calcium   | Colorimetric NM-BAPTA assay                                      |
| Serum, plasma              | Carbamazepine   | KIMS assay   |
| Serum, plasma              | Digoxin   |  |
| Serum, plasma              | Phenytoin   |  |
| Serum, plasma              | Theophylline  |  |
| Serum, plasma              | Amikacin  |  |
| Serum, urine, plasma       | Chloride  | ISE assay  |
| Serum, urine, plasma       | Potassium   |  |
| Serum, urine, plasma       | Sodium  |  |
| Serum, plasma              | Cortisol  | Competitive immunoassay  |
| Serum, plasma              | Free T3   |  |
| Serum, plasma              | Free T4   |  |
| Serum, plasma              | Methotrexate  |  |



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| HUMAN BODY FLUIDS (cont'd) | <u>Biochemistry examination activities for the purposes of clinical diagnosis:</u> (cont'd) | Documented in house methods and manufacturer's instructions for: |
|                            | Quantitative determination of (cont'd):   | <b>Abbott Alinity Ci</b>   |
| Serum, plasma              | Oestradiol  | Competitive immunoassay  |
| Serum, plasma              | Progesterone  |  |
| Serum, plasma              | Testosterone  |  |
| Serum, plasma              | Vitamin B12   |  |
| Serum, plasma              | CRP   | Particle enhanced immunoturbimetric assay                        |
| Serum, plasma              | Direct bilirubin  | Diazo method   |
| Serum, urine, plasma       | Phosphate   | Molybdate UV assay   |
| Serum, plasma              | Tobramycin  | Homogeneous enzyme immunoassay                                   |
| Serum, plasma              | Vancomycin  |  |
| Serum, plasma              | Gentamicin  |  |
| Urine                      | 24-hour urine calcium output  | Calculated test  |
| Urine                      | 24-hour urine creatinine output   |  |
| Urine                      | 24-hour urine magnesium output  |  |
| Urine                      | 24-hour urine phosphate output  |  |
| Urine                      | 24-hour urine potassium output  |  |
| Urine                      | 24-hour urine protein output  |  |
| Urine                      | 24-hour urine sodium output   |  |
| Urine                      | 24-hour urine urate output  |  |
| Urine                      | 24-hour urine urea output   |  |
| Urine                      | Albumin:Creatinine Ratio  |  |
| Urine                      | Protein:Creatinine Ratio  |  |
| Serum, plasma              | Adjusted calcium  |  |
| Serum, plasma              | Creatinine Clearance  |  |
| Serum, plasma              | eGFR  |  |
| Serum, plasma              | Free Androgen Index   |  |
| Serum, plasma              | Globulin (Calculated)   |  |
| Serum, plasma              | LDL   |  |
| Serum, plasma              | Transferrin Saturation  |  |
| Serum, plasma              | AKI alerts  | Alert 1, 2 or 3 based on creatinine results                      |



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| HUMAN BODY FLUIDS (cont'd) | <u>Biochemistry examination activities for the purposes of clinical diagnosis:</u> (cont'd) | Documented in house methods and manufacturer's instructions for:  |
| Sweat                      | Sweat test<br>Chloride  | Sweat Chloride testing using<br>Sherwood Sweat Chloride meter<br>(BIO-WPH-SOP-014)  |
| Serum, plasma              | Macroprolactin  | Manual method<br>BIO-WPH-SOP-020  |
| EDTA plasma                | Placental Growth Factor   | Quidel Triage MeterPro<br>BIO-FPH/RSFT/ASPH/WPH-SOP-001   |
| CSF                        | Xanthochromia   | Northstar Bio-UV<br>Spectrophotometer<br>BIO-RBH/WPH-SOP-013  |
| Serum, urine, plasma       | Osmolality  | Advanced Osmometer OsmPRO,<br>freezing point depression method<br>SOP BIO-BSPS-SOP-038  |
|                            | Quantitative determination of:  | <b>Abbott Alinity Ci</b><br>Associated SOPs:<br>BIO-WPH-SOP-009<br>BIO-WPH-SOP-011<br>BIO-WPH-SOP-004<br>BIO-WPH-SOP-013BIO-WPH-SOP-005BIO-WPH-SOP-003<br>BIO-RBH/WPH-SOP-001 |
| Serum                      | Alpha-fetaprotein (AFP)   | Sandwich immunoassay  |
| Serum, plasma              | Free B human Chorionic<br>Gonadotrophin (B-hCG)   |   |



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| HUMAN BODY FLUIDS (cont'd)<br><br>Serum | <u>Biochemistry examination activities for the purposes of clinical diagnosis:</u> (cont'd)<br><br>Free Beta hCG<br><br>PAPP-A | Documented in-house methods to meet the requirements of the FASP screening programme as defined in the laboratory QA evidence requirements'. Accreditation for 1st Trimester screening:<br><br>Brahms Kryptor – TRACE immunofluorescent assay<br>HAE-WPH-SOP-S80 |
| END                                     |  |  |