


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

|   |  |   |
|---|--|---|
|  <p><b>UKAS</b><br/>MEDICAL<br/>9301</p> <p>Accredited to<br/>ISO 15189:2022</p> | <p><b>SYNLAB Laboratory Services Ltd</b></p> <p><b>Issue No: 015    Issue date: 29 May 2025</b></p>                                    |   |
|   | <p><b>Gavenny Court</b><br/><b>Brecon Road</b><br/><b>Abergavenny</b><br/><b>Monmouthshire</b><br/><b>NP7 7RX</b><br/><b>Wales</b></p> | <p><b>Contact: Andrew Hicks</b><br/><b>Tel: +44 (0)7484 3016085</b><br/><b>E-Mail: andrew.hicks@synlab.co.uk</b><br/><b>Website: www.synlab.co.uk</b></p> |
| <p><b>Testing performed at the above address only</b></p>   |  |   |

### DETAIL OF ACCREDITATION

| Materials/Products tested   | Type of test/Properties measured/Range of measurement  | Standard specifications/ Equipment/Techniques used  |
|---|--|---|
| <p><b>HUMAN BODY FLUIDS</b></p><br><br><br><br><br><br><br><br><br><br><br><p>Serum / plasma<br/>Capillary Plasma</p> <p>Serum / plasma<br/>Capillary Plasma</p> <p>Serum / plasma<br/>Capillary Plasma</p> <p>Serum / plasma<br/>Capillary plasma</p> <p>Serum / plasma</p> <p>Serum / plasma<br/>Capillary plasma</p> <p>Serum / plasma<br/>Capillary plasma</p> <p>Serum / plasma<br/>Capillary plasma</p> <p>Serum / plasma</p> | <p><u>Biochemistry examinations for the purpose of clinical diagnosis</u></p><br><p>Quantification of:</p><br><p>Albumin</p><br><p>Alkaline Phosphatase</p><br><p>ALT</p><br><p>AST</p><br><p>Direct Bilirubin</p><br><p>Total Bilirubin</p><br><p>Calcium</p><br><p>Cholesterol</p><br><p>Bicarbonate</p> | <p>Using manufacturer's instructions and documented in-house procedures</p><br><p>Abbott Alinity<br/>PAT-ALI-1, PAT-ALI-2, PAT-ALI-3<br/>Chemistry modules by the following principles:</p><br><p>Colourimetric bromocresol purple</p><br><p>IFCC</p><br><p>IFCC</p><br><p>IFCC</p><br><p>Colourimetric, Diazo</p><br><p>Colourimetric Diazo</p><br><p>Arsenazo III (colourimetric)</p><br><p>Enzymatic, Cholesterol esterase</p><br><p>Carboxylase (enzymatic)</p> |



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| HUMAN BODY FLUIDS (cont'd)         | <u>Biochemistry examinations for the purpose of clinical diagnosis</u> (cont'd) | Using manufacturer's instructions and documented in-house procedures                               |
|                                    | Quantification of: (cont'd)   | Abbott Alinity<br>PAT-ALI-1, PAT-ALI-2, PAT-ALI-3<br>Chemistry module by the following principles: |
| Serum / Plasma<br>Capillary plasma | CK  | N-acetyl-L-Cysteine  |
| Serum / plasma<br>Capillary plasma | Creatinine  | Enzymatic, Creatinase<br>4aminophenazone,  |
| Serum / plasma<br>Capillary plasma | CRP   | Particle enhanced<br>immunoturbidimetric, Latex<br>particles with anti-CRP                         |
| Capillary plasma<br>Serum / plasma | High sensitivity CRP  | Particle enhanced<br>immunoturbidimetric assay with<br>latex particles                             |
| Serum / plasma<br>Capillary Plasma | GGT   | IFCC   |
| Plasma                             | Glucose   | Enzymatic UV, NADP → NADPH,<br>hexokinase  |
| Serum / plasma<br>Capillary plasma | HDL   | Accelerator Selective Detergent  |
| Serum / plasma<br>Capillary plasma | Iron  | Colourimetric, Ferene,   |
| Serum / plasma                     | Na, K, Cl   | ISE, Indirect  |
| Serum / plasma                     | LDH   | IFCC   |
| Serum / plasma<br>Capillary plasma | Phosphate   | Phosphomolybdate (Colourimetric)   |



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| HUMAN BODY FLUIDS (cont'd)         | <u>Biochemistry examinations for the purpose of clinical diagnosis</u> (cont'd) | Using manufacturer's instructions and documented in-house procedures                                  |
|                                    | Quantification of: (cont'd)   | Abbott Alinity<br>PAT-ALI-1, PAT-ALI-2, PAT-ALI-3<br>Chemistry module by the following principles:    |
| Serum / plasma<br>Capillary plasma | Magnesium   | Dehydrogenase (enzymatic)   |
| Serum / plasma<br>Capillary plasma | Total Protein   | Colourimetric, Biuret   |
| Serum / plasma<br>Capillary plasma | Triglyceride  | Glycerol-P-oxidase (enzymatic)  |
| Capillary plasma<br>Serum / plasma | Transferrin   | Immunoturbidimetric assay   |
| Capillary plasma<br>Serum / plasma | Unsaturated Iron Binding Capacity (UIBC)  | Colourimetric, Ferene   |
| Serum / plasma<br>Capillary Plasma | Urate   | Enzymatic colourimetric, uricase 4 aminophenazone   |
| Serum / plasma<br>Capillary Plasma | Urea  | Enzymatic kinetic, Urease NADH → NAD  |
|                                    | Quantification of:  | Abbott Alinity<br>PAT-ALI-1, PAT-ALI-2, PAT-ALI-4,<br>Immunoassay module by the following principles: |
| Serum / plasma<br>Capillary plasma | Vitamin B12   | Chemiluminescence   |
| Serum / plasma<br>Capillary plasma | Active Vitamin B12  | Chemiluminescence   |
| Serum/Plasma<br>Capillary plasma   | Folate  | Chemiluminescence   |
| Serum / plasma<br>Capillary plasma | Ferritin  | Chemiluminescence   |



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| HUMAN BODY FLUIDS (cont'd)         | <u>Biochemistry examinations for the purpose of clinical diagnosis</u><br>(cont'd) | Using manufacturer's instructions and documented in-house procedures                                     |
|                                    | Quantification of:   | Abbott Alinity<br>PAT-ALI-1, PAT-ALI-2, PAT-ALI-4,<br>Immunoassay module by the<br>following principles: |
| Serum / plasma<br>Capillary plasma | Total PSA  | Chemiluminescence  |
| Serum / plasma<br>Capillary plasma | Free PSA   | Chemiluminescence  |
| Serum / plasma<br>Capillary plasma | TSH  | Chemiluminescence  |
| Serum / plasma<br>Capillary plasma | Free T3  | Chemiluminescence  |
| Serum / plasma<br>Capillary plasma | Free T4  | Chemiluminescence  |
| Serum / plasma<br>Capillary plasma | Testosterone   | Chemiluminescence  |
| Capillary plasma<br>Serum / plasma | Vitamin D  | Chemiluminescence  |
| Serum / plasma<br>Capillary plasma | AFP  | Chemiluminescence  |
| Serum / plasma<br>Capillary plasma | CA125  | Chemiluminescence  |
| Serum / plasma<br>Capillary plasma | CA199  | Chemiluminescence  |
| Serum / plasma<br>Capillary plasma | CEA  | Chemiluminescence  |
| Serum / plasma<br>Capillary plasma | Cortisol   | Chemiluminescence  |



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| HUMAN BODY FLUIDS (cont'd)         | <u>Biochemistry examinations for the purpose of clinical diagnosis</u> (cont'd) | Using manufacturer's instructions and documented in-house procedures                                  |
|                                    | Quantification of:  | Abbott Alinity<br>PAT-ALI-1, PAT-ALI-2, PAT-ALI-4,<br>Immunoassay module by the following principles: |
| Serum / plasma<br>Capillary plasma | Follicle stimulating hormone (FSH)  | Chemiluminescence   |
| Serum / plasma<br>Capillary plasma | Luteinising hormone (LH)  | Chemiluminescence   |
| Serum / plasma<br>Capillary plasma | Oestradiol  | Chemiluminescence   |
| Serum / plasma<br>Capillary plasma | Progesterone  | Chemiluminescence   |
| Serum / plasma<br>Capillary plasma | Prolactin   | Chemiluminescence   |
| Serum / plasma<br>Capillary plasma | Sex hormone binding globulin (SHBG)   | Chemiluminescence   |
| Serum / plasma<br>Capillary plasma | Anti-Thyroid peroxidase antibody  | Chemiluminescence   |
|                                    | Biochemistry calculated tests:  | Abbott Alinity<br>PAT-ALI-1, PAT-ALI-2, PAT-ALI-3,<br>PAT-ALI-4<br>Chemistry and Immunoassay modules: |
|                                    | Adjusted Calcium  |   |
|                                    | Globulin  |   |
|                                    | Cholesterol (LDL)   |   |
|                                    | Free testosterone   |   |
|                                    | Free androgen index   |   |



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| HUMAN BODY FLUIDS (cont'd)  | <u>Biochemistry examinations for the purpose of clinical diagnosis</u> (cont'd)   | Using manufacturer's instructions and documented in-house procedures   |
| EDTA anticoagulated Blood   | HbA1c   | Tosoh G11<br>HPLC<br>SOP 13.00293  |
| Urine                       | Chemical Urinalysis for the following parameters:<br>Protein<br>Blood<br>Leucocytes<br>Nitrite<br>Glucose<br>Ketones<br>pH<br>Bilirubin<br>Specific Gravity<br>Urobilinogen | Siemens Multistix manual test<br>SOP 5.01050   |
| Serum                       | Carbohydrate Deficient Transferrin (CDT)  | Analysis for clinical use only using Sebia Capillarys 3 Octa and Capillary Electrophoresis and in-house method SOP 5.01084   |
| Whole Blood                 | Lead  | ICP-MS<br>Mass spectrometry<br>SOP 5.01074   |
| Serum /plasma unless stated | <u>Serology examinations for the purpose of clinical diagnosis</u><br><br>Detection of the following antibodies:<br><br>Anti-HCV<br><br>Anti-HBc                            | Abbott Alinity<br>PAT-ALI-1, PAT-ALI-2, PAT-ALI-3<br>Immunoassay module by the following principles:<br><br>Chemiluminescence<br>Immunoassay<br><br>Chemiluminescence<br>Immunoassay |



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| HUMAN BODY FLUIDS (cont'd)             | <u>Serology examinations for the purpose of clinical diagnosis (cont'd)</u> | Using manufacturer's instructions and documented in-house procedures   |
|  | Anti-HBe  | Abbott Alinity<br>PAT-ALI-1, PAT-ALI-2, PAT-ALI-3<br>Immunoassay module by the following principles:<br><br>Chemiluminescence<br>Immunoassay |
|  | Anti-HBs  | Chemiluminescence<br>Immunoassay   |
|  | HBeAg   | Chemiluminescence<br>Immunoassay   |
|  | HBsAg   | Chemiluminescence<br>Immunoassay   |
|  | HIV I and II antibodies and p24 antigen                                     | Chemiluminescence<br>Immunoassay   |
|  | Rubella IgG   | Chemiluminescence<br>Immunoassay   |
|  | Syphilis  | Chemiluminescence<br>Immunoassay   |
| Serum                                  | Measles IgG antibody<br>Mumps IgG antibody<br>VZ IgG antibody               | Dynex DSX using Novatech<br>ELISA kits and SOP 15.0188   |
| Serum in specific testing sample tubes | Interferon Gamma  | Dynex DSX using Qiagen QF-Gold IGRA SOP 5.0102   |



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| HUMAN BODY FLUIDS (cont'd)     | <u>Haematology examinations for the purpose of clinical diagnosis</u>  | Using manufacturer's instructions and documented in-house procedures  |
| Whole Blood (Citrate and EDTA) | ESR  | Alifax Capillary Photometry SOP 13.0013   |
| Whole Blood (Citrate and EDTA) | Full Blood count <ul style="list-style-type: none"> <li>• Haemoglobin</li> <li>• White blood cell count</li> <li>• Red blood cell count</li> <li>• Platelet count</li> <li>• White blood cell differential count</li> <li>• Reticulocytes</li> </ul> | 2 x Sysmex XN-550 analysers using impedance variation, spectrophotometry, cytochemistry and fluorocytometry. SOP 13.00292 |
| Whole Blood (cells and plasma) | Blood Grouping<br>ABO and Rhesus   | Grifols: Gel card (8 well combined card) & DG Reader SOP 13.00291   |
| Urine                          | <u>Microbiology examinations for the purpose of clinical diagnosis</u><br><br>Detection of RBC, Leucocytes, renal casts, urinary crystals and micro-organisms  | KOVA stain (modified Sternheimer-Malbin stain) & slides for Microscopy SOP 5.01051  |
| END                            |  |   |