


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <p><b>UKAS</b> MEDICAL</p> <p><b>9301</b></p> <p><b>Accredited to ISO 15189:2022</b></p>	<p><b>SYNLAB Laboratory Services Ltd</b></p> <p><b>Issue No: 013    Issue date: 08 April 2025</b></p>	
	<p><b>Gavenny Court</b> <b>Brecon Road</b> <b>Abergavenny</b> <b>Monmouthshire</b> <b>NP7 7RX</b> <b>Wales</b></p>	<p><b>Contact: Andrew Hicks</b> <b>Tel: +44 (0)7484 3016085</b> <b>E-Mail: andrew.hicks@synlab.co.uk</b> <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> <p>Serum / plasma Capillary Serum and Plasma</p> <p>Serum / plasma Capillary Serum and Plasma</p> <p>Serum / plasma Capillary Serum and Plasma</p> <p>Serum / plasma Capillary plasma</p> <p>Serum / plasma</p> <p>Serum / plasma / Capillary plasma</p> <p>Serum / plasma / Capillary plasma</p> <p>Serum / plasma Capillary plasma</p> <p>Serum / plasma / Capillary plasma</p> <p>Serum / plasma</p>	<p><u>Biochemistry examinations for the purpose of clinical diagnosis</u></p> <p>Quantification of:</p> <p>Albumin</p> <p>Alkaline Phosphatase</p> <p>ALT</p> <p>AST</p> <p>Direct Bilirubin</p> <p>Total Bilirubin</p> <p>Calcium</p> <p>Adjusted Calcium (calculation)</p> <p>Cholesterol</p> <p>Bicarbonate</p>	<p>Using manufacturer's instructions and documented in-house procedures</p> <p>Roche Cobas 6000 c501</p> <p>Colourimetric bromocresol purple, 5.00120</p> <p>Colourimetric, p-nitrophenol, 5.0010</p> <p>UV NADH Oxidation 5.00240</p> <p>NADH Oxidation SOP(s) 5.00140</p> <p>Colourimetric, Diazo, SOP(s) 5.00700</p> <p>Colourimetric Diazo, SOP(s) 5.00090</p> <p>UV, NADP → NADPH, 5 nitro 5 methyl BAPTA, SOP(s) 5.00150</p> <p>UV, NADP → NADPH, 5 nitro 5 methyl BAPTA, SOP(s) 5.00150</p> <p>Enzymatic colourimetric, Cholesterol esterase, SOP(s) 5.00160</p> <p>UV, NADH → NAD phosphoenolpyruvate (PEP), SOP(s) 5.00170</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)	Roche Cobas 6000 c501
Serum / Plasma Capillary plasma	CK	UV, NADP → NADPH, Creatine phosphate, SOP(s) 5.00200
Serum / plasma / Capillary plasma	Creatinine	Enzymatic colourimetric, Creatinase 4aminophenazone, SOP(s) 5.00211
Serum / plasma	CRP	Particle enhanced immunoturbidimetric, Latex particles with anti-CRP. SOP(s) 5.00190
Capillary plasma Serum / plasma	High sensitivity CRP	Particle enhanced immunoturbidimetric assay with latex particles SOP 5.01092
Serum Lithium Heparin Plasma Capillary Serum and Plasma	GGT	Enzymatic colourimetric, L-y-glutamyl-3-carboxy-4-nitroanilide, glycylglycine, SOP(s) 5.00110
Serum	Glucose	Enzymatic UV, NADP → NADPH, hexokinase, SOP(s) 5.00220
Serum Lithium Heparin Plasma Capillary plasma	HDL	Enzymatic colourimetric, Cholesterol esterase cholesterol oxidase PEG modified, 4 aminoantipyrine. SOP(s) 5.00250
Serum Lithium Heparin Plasma Capillary plasma	Iron	Colourimetric, Ferrozine, SOP(s) 5.00230
Serum Lithium Heparin Plasma	Na, K, Cl	ISE, Indirect SOP(s) 5.00290
Serum Lithium Heparin Plasma	LDH	UV NAD → NADH, N-methyl-D-glucamine, SOP(s) 5.01061
Serum Lithium Heparin Plasma Capillary plasma	Phosphate	UV, Ammonium Molybdate, SOP(s) 5.00260



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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)	Roche Cobas 6000 c501
Serum / plasma Capillary plasma	Magnesium	Colourimetric SOP 5.01082
Serum Lithium Heparin Plasma Capillary plasma	Total Protein	Colourimetric, Copper Sulphate, SOP(s) 5.00080
Serum Lithium Heparin Plasma Capillary plasma	Triglyceride	Enzymatic colourimetric, lipoprotein Lipase/Trinder, SOP(s) 5.00180
Capillary plasma Serum / plasma	Transferrin	Immunoturbidimetric assay SOP 5.01083
Capillary plasma Serum / plasma	Unsaturated Iron Binding Capacity (UIBC)	Colourimetric, Ferrozine SOP 5.01079
Serum Lithium Heparin Plasma Capillary Serum and Plasma	Uric acid	Enzymatic colourimetric, uricase 4 aminophenazone, SOP(s) 5.00070
Serum Lithium Heparin Plasma Capillary Serum and Plasma	Urea	Enzymatic kinetic, Urease NADH → NAD, SOP(s) 5.00270
	Quantification of:	Roche Cobas 6000 e601
Serum Lithium Heparin Plasma Capillary plasma	B12	Competition ECLIA SOP 5.00640
Serum Lithium Heparin Plasma	Folate	Competition ECLIA SOP 5.00650
Serum Lithium Heparin Plasma Venous plasma	Ferritin	Sandwich ECLIA SOP 5.00300
Serum	Total PSA	Sandwich ECLIA SOP 5.00600
Serum	Free PSA	Competition ECLIA SOP 5.00610
Serum Lithium Heparin Plasma	TSH	Sandwich ECLIA SOP 5.00310



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	Quantification of: (cont'd)	Roche Cobas 6000 e601
Serum Lithium Heparin Plasma	Free T3	Competition ECLIA SOP 5.00690
Serum Lithium Heparin Plasma	Free T4	Competition ECLIA SOP 5.00540
Serum Lithium Heparin Plasma	Testosterone	Competition ECLIA SOP 5.01064
Whole blood	HbA1c	Turbidimetric, TTAB haemolysate, TINIA Antibody, SOP(s) 5.01068
Capillary plasma Serum / plasma	Vitamin D	Electrochemiluminescence assay SOP 5.01086
EDTA anticoagulated Blood	HbA1c	Tosoh G11 HPLC SOP 13.00293
Urine	Chemical Urinalysis for the following parameters: Protein Blood Leucocytes Nitrite Glucose Ketones pH Bilirubin Specific Gravity Urobilinogen	Siemens Multistix manual test SOP 5.01050



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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
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 Mass spectrometry SOP 5.01074
Serum /plasma unless stated	<u>Serology examinations for the purpose of clinical diagnosis</u>  Detection of the following antibodies:  Anti-HCV  Anti-HBcAb  Anti-HBeAb  Anti-HBs  HBEAg  HBSAg  HIVCombiPT  Rubella IgG  Syphilis	Roche Cobas 6000 e601  Sandwich ECLIA SOP5.00570  Competition ECLIA SOP 5.00620  Competition ECLIA SOP 5.01062  Sandwich ECLIA SOP 5.00560  Sandwich ECLIA SOP 5.01063  Sandwich ECLIA SOP 5.00580  Sandwich ECLIA SOP 5.00590  Sandwich ECLIA SOP 5.00630  Sandwich ECLIA SOP 5.00900
Serum	Measles IgG antibody Mumps IgG antibody VZ IgG antibody	Dynex DSX using Novatech 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 ABO and Rhesus	Grifols: Gel card (8 well combined card) & DG Reader SOP 13.00291
	<u>Microbiology examinations for the purpose of clinical diagnosis</u>	
Urine	Detection of RBC, Leucocytes, renal casts, urinary crystals and micro-organisms	KOVA stain (modified Sternheimer-Malbin stain) & slides for Microscopy SOP 5.01051
END		