


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>UKAS MEDICAL 8355</p> <p>Accredited to ISO 15189:2022</p>	<p>Lancashire Teaching Hospitals NHS Foundation Trust</p> <p>Issue No: 016 Issue date: 10 April 2026</p>	
	<p>Lancashire and South Cumbria Pathology Service Blood Sciences Department Royal Blackburn Teaching Hospital Haslingden Road Blackburn BB2 3HH United Kingdom</p>	<p>Contact: Tina Cuthbertson Tel: +44 (0)1254 732488 E-Mail: tina.cuthbertson@elht.nhs.uk Website: http://www.elht.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>Address</p> <p>Blood Sciences Department Royal Blackburn Teaching Hospital Haslingden Road Blackburn BB2 3HH United Kingdom</p> <p>Local contact</p> <p>Tina Cuthbertson Tel: +44 (0)1254 732488 E-Mail: tina.cuthbertson@elht.nhs.uk</p>	<p>Clinical Biochemistry Haematology Coagulation</p>	A
<p>Blood Sciences Department Burnley General Teaching Hospital Casterton Avenue Burnley BB10 2PQ United Kingdom</p> <p>Local contact</p> <p>Tina Cuthbertson Tel: +44 (0)1254 732488 E-Mail: tina.cuthbertson@elht.nhs.uk</p>	<p>Clinical Biochemistry Haematology Coagulation</p>	B



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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
<p>HUMAN BODY FLUIDS</p> <p>Serum / Plasma unless otherwise stated</p> <p>Plasma only</p> <p>And Urine (at location A only)</p> <p>Serum only</p> <p>Serum only</p> <p>And Urine (at location A only)</p>	<p><u>General Biochemistry</u></p> <p><u>Biochemical examination activities for the purposes of clinical diagnosis:</u></p> <p><u>Quantification of:</u></p>	<p>In house documented procedures based on equipment manuals and standard methods as specified below:</p> <p>Using Siemens Atellica with reference to the following measurement principles and in-house documented procedures: BS/B SOP250</p>	
	Angiotensin Converting Enzyme	by Spectrophotometry	A
	Albumin	by Spectrophotometry	A, B
	Alkaline Phosphatase	by Spectrophotometry	A, B
	ALT	by Spectrophotometry (with PLP)	A, B
	Amikacin	by Enzyme Multiplied Immunoassay Technique (EMIT)	A
	Ammonia	by Spectrophotometry	A, B
	Amylase	by Spectrophotometry	A, B
	AST	by Spectrophotometry (with PLP)	A, B
	Bicarbonate	by Spectrophotometry	A, B
	C3	by Immunoturbidimetry	A
	C4	by Immunoturbidimetry	A
	Calcium	by Spectrophotometry	A, B
	Carbamazepine	by Particle Enhanced Turbidimetric Inhibition Immunoassay (PETINIA)	A



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY FLUIDS (cont'd)	<u>Biochemical examination activities for the purposes of clinical diagnosis:</u> (cont'd)	In house documented procedures based on equipment manuals and standard methods as specified below:	
Serum / Plasma unless otherwise stated (cont'd)	<u>Quantification of:</u> (cont'd)	Using Siemens Atellica with reference to the following measurement principles and in-house documented procedures: BS/B SOP250 (cont'd)	
And Urine (at location A only)	Chloride	by Indirect Ion Selective Electrode	A, B
	Cholesterol (total)	by Spectrophotometry	A
	Creatine Kinase	by Spectrophotometry	A, B
And Urine (at location A only)	Creatinine	by Enzymatic	A, B
	CRP	by Immunoturbidimetry	A, B
	Conjugated bilirubin	by Spectrophotometry	A, B
	Digoxin	by Immunoturbidimetry	A
	Ethanol	by Spectrophotometry	A, B
	Gamma GT	by Spectrophotometry	A, B
	Gentamicin	by Particle Enhanced Turbidimetric Inhibition Immunoassay (PETINIA)	A, B
And CSF (at location A only)	Glucose	by Spectrophotometry	A, B
	HDL Cholesterol	by Spectrophotometry	A
	IgA	by Immunoturbidimetry	A
	IgG	by Immunoturbidimetry	A
	IgM	by Immunoturbidimetry	A
	Iron	by Spectrophotometry	A



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemical examination activities for the purposes of clinical diagnosis:</u> (cont'd)	In house documented procedures based on equipment manuals and standard methods as specified below:	
Serum / Plasma unless otherwise stated (cont'd)	<u>Quantification of:</u> (cont'd)	Using Siemens Atellica with reference to the following measurement principles and in-house documented procedures: BS/B SOP250 (cont'd)	
Plasma only	Lactate	by Spectrophotometry	A, B
	LDH	by Spectrophotometry	A
	Lithium	by Spectrophotometry	A
	Magnesium	by Spectrophotometry	A, B
	Paracetamol	by Spectrophotometry	A, B
	Phenobarbital	by Particle Enhanced Turbidimetric Inhibition Immunoassay (PETINIA)	A
	Phenytoin	by Particle Enhanced Turbidimetric Inhibition Immunoassay (PETINIA)	A
And Urine (at location A only)	Phosphate	by Spectrophotometry	A, B
And Urine (at location A only)	Potassium	by Indirect Ion Selective Electrode	A, B
Serum only	Rheumatoid Factor	by Immunoturbidimetry	A
	Salicylate	by Enzymatic	A, B
And Urine (at location A only)	Sodium	by Indirect Ion Selective Electrode	A, B
	Theophylline	by Particle Enhanced Turbidimetric Inhibition Immunoassay (PETINIA)	A, B
	Tobramycin	by Particle Enhanced Turbidimetric Inhibition Immunoassay (PETINIA)	A



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemical examination activities for the purposes of clinical diagnosis:</u> (cont'd)	In house documented procedures based on equipment manuals and standard methods as specified below:	
Serum / Plasma unless otherwise stated (cont'd)	<u>Quantification of:</u> (cont'd)	Using Siemens Atellica with reference to the following measurement principles and in-house documented procedures: BS/B SOP250 (cont'd)	
Serum only	Total Iron Binding Capacity	by Spectrophotometry	A
	Total Bilirubin	by Spectrophotometry	A, B
	Total Protein	by Spectrophotometry	A, B
	Total Bile Acids	by Spectrophotometry	A, B
	Triglycerides	by Spectrophotometry	A
And Urine (at location A only)	Urate	by Spectrophotometry	A, B
And Urine (at location A only)	Urea	by Spectrophotometry	A, B
	Valproic Acid	by Particle Enhanced Turbidimetric Inhibition Immunoassay (PETINIA)	A
	Vancomycin	by Particle Enhanced Turbidimetric Inhibition Immunoassay (PETINIA)	A
Urine/CSF only	Protein	by Spectrophotometry	A
Urine only	Albumin	by Immunoturbidimetry	A
	Alpha Fetoprotein	by Two-site sandwich immunoassay with chemiluminescent detection	A
	CA 125	by Two-site sandwich immunoassay with chemiluminescent detection	A



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemical examination activities for the purposes of clinical diagnosis:</u> (cont'd)	In house documented procedures based on equipment manuals and standard methods as specified below:	
Serum / Plasma unless otherwise stated (cont'd)	<u>Quantification of:</u> (cont'd)	Using Siemens Atellica with reference to the following measurement principles and in-house documented procedures: BS/B SOP250 (cont'd)	
Serum	CA 19-9	by Two-site sandwich immunoassay with chemiluminescent detection	A
	CEA	by Two-site sandwich immunoassay with chemiluminescent detection	A
	Cortisol	by Competitive immunoassay with chemiluminescent detection	A
	Ferritin	by Two-site sandwich immunoassay with chemiluminescent detection	A
Serum only	Folate	by Competitive immunoassay with chemiluminescent detection	A
	Free T3	by Competitive immunoassay with chemiluminescent detection	A
	Free T4	by Competitive immunoassay with chemiluminescent detection	A
	FSH	by Two-site sandwich immunoassay with chemiluminescent detection	A
	HCG	by Two-site sandwich immunoassay with chemiluminescent detection	A, B
	LH	by Two-site sandwich immunoassay with chemiluminescent detection	A



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemical examination activities for the purposes of clinical diagnosis:</u> (cont'd)	In house documented procedures based on equipment manuals and standard methods as specified below:	
Serum / Plasma unless otherwise stated (cont'd)	<u>Quantification of:</u> (cont'd)	Using Siemens Atellica with reference to the following measurement principles and in-house documented procedures: BS/B SOP250 (cont'd)	
	NTproBNP	by Two-site sandwich immunoassay with chemiluminescent detection	A
	Oestradiol	by Competitive immunoassay with chemiluminescent detection	A
	Procalcitonin	by Two-site sandwich immunoassay with chemiluminescent detection	A
	Progesterone	by Competitive immunoassay with chemiluminescent detection	A, B
	Prolactin	by Two-site sandwich immunoassay with chemiluminescent detection	A
	Macroprolactin	by PEG precipitation and two-site sandwich immunoassay with chemiluminescent detection	A
Serum only	PSA	by Two-site sandwich immunoassay with chemiluminescent detection	A
	Parathyroid Hormone	by Two-site sandwich immunoassay with chemiluminescent detection	A
	SHBG	by Two-site sandwich immunoassay with chemiluminescent detection	A



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemical examination activities for the purposes of clinical diagnosis:</u> (cont'd)	In house documented procedures based on equipment manuals and standard methods as specified below:	
Serum / Plasma unless otherwise stated (cont'd)	<u>Quantification of:</u> (cont'd)	Using Siemens Atellica with reference to the following measurement principles and in-house documented procedures: BS/B SOP250 (cont'd)	
	Testosterone	by Competitive immunoassay with chemiluminescent detection	A
	Total IgE	by Two-site sandwich immunoassay with chemiluminescent detection	A
	Troponin I	by Three-site sandwich immunoassay with chemiluminescent detection	A, B
	TSH	by Two-site sandwich immunoassay with chemiluminescent detection	A
	Anti-Thyroid Peroxidase	by Competitive immunoassay with chemiluminescent detection	A
	Vitamin B12	by Competitive immunoassay with chemiluminescent detection	A
	25-hydroxy Vitamin D	by Competitive immunoassay with chemiluminescent detection	A
Serum only	Tissue inhibitor of matrix metalloproteinase (TIMP-1)	by Two-site sandwich immunoassay with chemiluminescent detection	A
Serum only	N-terminal Propeptide of Type 3 Procollagen (P3NP)	by Two-site sandwich immunoassay with chemiluminescent detection	A
Serum only	Hyaluronic Acid (HA)	by Two-site sandwich immunoassay with chemiluminescent detection	A



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Serum / Plasma unless otherwise state	<u>Quantification of:</u>	Calculated tests using Siemens Atellica with reference to the following measurement principles and in-house documented procedures: BS/B SOP 233	
	eGFR	by calculation	A, B
	Acute Kidney Injury Score	by calculation	A, B
	Total cholesterol/HDL cholesterol ratio	by calculation	A
	LDL-cholesterol	by calculation	A
	Non-HDL cholesterol	by calculation	A
	Adjusted Calcium	by calculation	A, B
	Globulins	by calculation	A, B
And whole blood	Fibrosis-4 score	by calculation	A
	TIBC Saturation	by calculation	A
	Free Androgen Index	by calculation	A
Urine only	Urine protein/creatinine ratio	by calculation	A
Urine only	Urine albumin/creatinine ratio	by calculation	A
And urine	Creatinine Clearance	by calculation	A



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Serum / Plasma unless otherwise stated		Using Siemens Immulite XPi and the following immunoassay measurement principles and in-house documented procedures:	A
	Allergy Testing (Specific IgE) Epidermals and animal proteins: <ul style="list-style-type: none"> • Dog epithelium 	2 site non-competitive (BS/BN SOP160)	
	Growth Hormone	2 site non-competitive (BS/BN SOP155)	
Serum & urine	Detection of normal and abnormal protein electrophoretic patterns	SOPs BS/BN SOP123-126 by immunofixation using Sebia Hydrasys	A
Serum	Detection of normal and abnormal protein electrophoretic patterns:	BS/BN SOP 221 and BS/BN SOP 223 by capillary electrophoresis using Sebia Capillarys2	A
	Serum protein electrophoresis, Serum immunotyping and Serum paraprotein quantitation		
Serum	Detection of Cryoglobulins	BS/BN SOP20 using Sebia Hydrasys	A
Blood	Glycated Haemoglobin	BS/B SOP225 using TOSOH G11 (cation affinity chromatography)	A
Serum & urine	Osmolality	BS/BN SOP67 using Osmo-1 Osmometer (freezing point depression)	A, B
Sweat	Chloride	BN/BS SOP119 by coulometry using Chloro-chek Chloride Analyser	A



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemical examination activities for the purposes of clinical diagnosis:</u> (cont'd)	In house documented procedures based on equipment manuals and standard methods as specified below:	
CSF	Bilirubin	BS/B SOP240 using BIO-UV Spectrophotometer	A
Urine	HCG	BS/B SOP109 using Surestep Pregnancy Testing Kit	A
Blood	Blood Gases: (pCO ₂ , pO ₂ , pH, oxygen saturation, sodium, potassium, chloride, glucose, lactate, carboxyhaemoglobin, methaemoglobin)	BS/BB SOP 220 using Werfen GEM 5000 blood gas analyser	A, B
Faeces	Haemoglobin	Faecal Immunochemical Test using BS/B SOP 219 by latex agglutination immunoturbidimetry using OC-Sensor PLEDIA faecal immunochemical test (FIT) analyser	A
Blood	<u>Haematology examination activities for the purposes of clinical diagnosis</u> Full Blood Count Analysis: Haemoglobin White Blood cells Platelets Red blood cells PCV MCV MCH MCHC RDW Reticulocytes	In house documented procedures based on equipment manuals and standard methods as specified: BS/B SOP7 using Advia 2120i	A, B
Blood	Routine Coagulation:	In-house documented procedures using ACL TOPS 550 with specific reference to:	



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HUMAN BODY FLUIDS (cont'd)	<u>Haematology examination activities for the purposes of clinical diagnosis:</u> (cont'd)	In house documented procedures based on equipment manuals and standard methods as specified below:	
Blood (cont'd)	Coagulation Screen (INR, APTT)	Functional assay (BS/B SOP29)	A, B
	D-Dimer	Immunoassay (BS/B SOP29)	A, B
	Fibrinogen	Functional assay (BS/B SOP78)	A, B
Blood	Specialist Coagulation:	In-house documented procedures using ACL TOPS 550 with specific reference to:	
	Antithrombin level	Chromogenic assay (BS/B SOP14)	B
	Factor Assays: Factor VIII functional Factor IX functional Factor XI functional Factor XII functional	Functional assays (BS/BY SOP41 & 188)	B
	Lupus Anticoagulant	Functional assay (BS/BY SOP17)	B
	Protein S	Immunological assay (BS/B SOP15)	B
	Protein C	Chromogenic assay (BS/BY SOP13)	
	VWF activity & VWF Ristocetin	Functional assay (BS/B SOP188)	B
Blood	Erythrocyte Sedimentation Rate	BS/BN SOP60 Manual method	B
		Automated method using Starstedt S2000 and extension	A
Paediatric blood samples	Erythrocyte Sedimentation Rate	Automated method using Menarini Ves-matic	A
	Differential White Blood Cell count	Manual method using BS/B SOP17	A, B



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Paediatric blood samples (cont'd)	G6PD	Manual fluorescence method using BS/B SOP13	A, B
	Detection and quantification of HbA2 and HbF as part of β -thalassaemia screening*	Documented -in-house methods to meet the requirements of the Sickle cell and Thalassaemia (SCT) screening programme screening programme(s) as defined in the July 2018 'NHS Sickle Cell and Thalassaemia Screening Programme: laboratory QA evidence requirements':*	
	Haemoglobin S detection*	BS/BN SOP224 using Column Chromatography and TOSOH G11	A
	Haemoglobin S detection*	BS/B SOP99 using Streck Sickledex qualitative testing	A
	Infectious Mononucleosis Screening	BS/B SOP12 using Clearview IM	A, B
	Malaria Parasites Rapid Screening: <i>P Falciparum, P Vivax, P Ovale, P Malariae</i>	BS/B SOP107 Appacor CareUS Start Malaria screening kit	A, B
	<u>Blood Transfusion examination activities for the purposes of clinical diagnosis:</u>	In house documented procedures based on equipment manuals and standard methods as specified below:	
Blood	Detection of foetal maternal haemoglobin - Kleihauer	Manual cytochemical method using BS/T SOP3 and Guest Medical FMH kit	A, B
END			