


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 UKAS MEDICAL 8355 Accredited to ISO 15189:2012	East Lancashire Hospitals NHS Trust	
	Issue No: 014 Issue date: 26 March 2024	
	Blood Sciences Department Royal Blackburn Teaching Hospital Haslingden Road Blackburn BB2 3HH United Kingdom	Contact: Dayle Squires Tel: +44 (0)1254734162 Fax: +44 (0)1254733668 E-Mail: dayle.squires@elht.nhs.uk Website: http://www.elht.nhs.uk/

Testing performed by the Organisation at the locations specified below

Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details	Activity	Location code				
<table border="0"><tr><td>Address</td><td>Local contact</td></tr><tr><td>Blood Sciences Department Royal Blackburn Teaching Hospital Haslingden Road Blackburn BB2 3HH United Kingdom</td><td>Dayle Squires Tel: +44 (0)1254734162 Fax: +44 (0)1254733668 E-Mail: dayle.squires@elht.nhs.uk</td></tr></table>	Address	Local contact	Blood Sciences Department Royal Blackburn Teaching Hospital Haslingden Road Blackburn BB2 3HH United Kingdom	Dayle Squires Tel: +44 (0)1254734162 Fax: +44 (0)1254733668 E-Mail: dayle.squires@elht.nhs.uk	Clinical Biochemistry Haematology Coagulation	A
Address	Local contact					
Blood Sciences Department Royal Blackburn Teaching Hospital Haslingden Road Blackburn BB2 3HH United Kingdom	Dayle Squires Tel: +44 (0)1254734162 Fax: +44 (0)1254733668 E-Mail: dayle.squires@elht.nhs.uk					
Blood Sciences Department Burnley General Teaching Hospital Casterton Avenue Burnley BB10 2PQ United Kingdom	Clinical Biochemistry Haematology Coagulation	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
HUMAN BODY FLUIDS Serum / Plasma unless otherwise stated	<u>General Biochemistry</u> <u>Biochemical examination activities for the purposes of clinical diagnosis:</u>	In house documented procedures based on equipment manuals and standard methods as specified below: Using Siemens Immulite XPi and the following immunoassay measurement principles and in-house documented procedures:	A
	Allergy Testing (Specific IgE)	2 site non-competitive (BS/BN SOP160)	
	Anti-Thyroid Peroxidase (TPO)	2 site non-competitive (BS/BN SOP150)	
	NTproBNP	2 site non-competitive (BS/BN SOP161)	
	Growth Hormone	2 site non-competitive (BS/BN SOP155)	
	IgE (Total)	2 site non-competitive (BS/BN SOP156)	
	Phenobarbitone	Competitive (BS/BN SOP202)	



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemical examination activities for the purposes of clinical diagnosis: (cont'd)</u>	In house documented procedures based on equipment manuals and standard methods as specified below:	
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: Serum protein electrophoresis, Serum immunotyping and Serum paraprotein quantitation	BS/BN SOP 221 and BS/BN SOP 223 by capillary electrophoresis using Sebia Capillarys2	A
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
CSF	Bilirubin	BS/B SOP240 using BIO-UV Spectrophotometer	A
Urine	HCG	BS/B SOP109 using Surestep Pregnancy Testing Kit	A



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemical examination activities for the purposes of clinical diagnosis:</u>	In house documented procedures based on equipment manuals and standard methods as specified:	
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
	<u>Haematology examination activities for the purposes of clinical diagnosis</u>	In house documented procedures based on equipment manuals and standard methods as specified:	
Blood	Full Blood Count Analysis: Haemoglobin White Blood cells Platelets Red blood cells PCV MCV MCH MCHC RDW Reticulocytes	BS/B SOP7 using Advia 2120i	A & B
Blood	Routine Coagulation:	In-house documented procedures using ACL TOPS 550 with specific reference to:	
	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



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HUMAN BODY FLUIDS (cont'd)	<u>Haematology examination activities for the purposes of clinical diagnosis:</u>	In house documented procedures based on equipment manuals and standard methods as specified below:	
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
	G6PD	Manual fluorescence method using BS/B SOP13	A & B



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HUMAN BODY FLUIDS (cont'd)	<u>Haematology examination activities for the purposes of clinical diagnosis:</u>	In house documented procedures based on equipment manuals and standard methods as specified below: 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':*	
	Detection and quantification of HbA2 and HbF as part of β -thalassaemia screening*	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 Care 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			