Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

9640

Accredited to ISO 15189:2022

Lancashire Teaching Hospitals NHS Foundation Trust

Issue No: 007 **Issue date:** 28 October 2026

Lancashire and South Cumbria Pathology Service
Department of Blood Sciences
Royal Lancaster Infirmary
Ashton Road
Lancaster
LA1 4RP
United Kingdom

Contact: Stephen McDonald – Quality Manager
Tel: +44 (0)7866977925
E-Mail: stephen.mcdonald@mbht.nhs.uk
Website: https://www.uhmb.nhs.uk/our-services/pathology

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
Blood Sciences Laboratory Royal Lancaster Infirmary Ashton Road Lancaster LA1 4RP	**Contact:** Stephen McDonald Tel: +44 (0)7866977925	Biochemistry Haematology Blood transfusion	RLI
Blood Sciences Laboratory Furness General Hospital Dalton Lane Barrow-in –Furness Cumbria LA14 4LF	**Contact:** Stephen McDonald Tel: +44 (0)7866977925	Biochemistry Haematology Blood transfusion	FGH
Blood Sciences Laboratory Westmoreland Hospital Burton Road Kendal Cumbria LA9 7RG	**Contact:** Stephen McDonald Tel: +44 (0)7866977925	Haematology Blood transfusion	WGH

9640 Accredited to ISO 15189:2022	**Schedule of Accreditation** issued by **United Kingdom Accreditation Service** 2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK
	Lancashire Teaching Hospitals NHS Foundation Trust **Issue No:** 007 **Issue date:** 28 October 2026
Testing performed by the Organisation at the locations specified	

Site activities performed away from the locations listed above:

Location details		Activity	Location code
Furness General Hospital Issue Fridge	**Key contact:** David Ryder E-mail: david.ryder@mbht.nhs.uk	Storage and issue of blood and blood products	FGH
Westmoreland General Hospital Issue Fridge Corridor outside Pathology Lab	**Key contact:** David Ryder E-mail: david.ryder@mbht.nhs.uk	Storage and issue of blood and blood products	WGH
Royal Lancaster Infirmary Issue Fridge Pathology Lab	**Key contact:** David Ryder E-mail: david.ryder@mbht.nhs.uk	Storage and issue of blood and blood products	RLI
Royal Lancaster Infirmary Issue Fridge Maternity Department	**Key contact:** David Ryder E-mail: david.ryder@mbht.nhs.uk	Storage and issue of blood and blood products	RLI
Royal Lancaster Hospital Issue Fridge Intensive Care Unit Centenary Building	**Key contact:** David Ryder E-mail: david.ryder@mbht.nhs.uk	Storage and issue of blood and blood products	ICU

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY SAMPLES	Biochemistry examinations for the purpose of clinical diagnosis Quantification of:	Beckman Coulter AU5800 Spectrophotometry, turbidimetry and indirect potentiometry BS MLC X 080 LP	FGH RLI
Serum, Urine	Chloride	BS MLC X 007 LP	RLI, FGH
Serum, Urine	Potassium	BS MLC X 007 LP	RLI, FGH
Serum, Urine	Sodium	BS MLC X 007 LP	RLI, FGH
Serum	Alanine Transaminase	BS MLC X 019 LP	RLI, FGH
Serum	Albumin	BS MLC X 015 LP	RLI, FGH
Serum	Alkaline Phosphatase	BS MLC X 018 LP	RLI, FGH
Serum	Ammonia	BS MLC X 038 LP	RLI, FGH
Serum	Amylase	BS MLC X 033 LP	RLI, FGH
Serum	Aspartate Transaminase	BS MLC X 020 LP	RLI, FGH
Serum	Bicarbonate	BS MLC X 042 LP	RLI, FGH
Serum	Bile acids	BS MLC R 047 LP	RLI
Serum	Bilirubin (Direct)	BS MLC X 045 LP	RLI, FGH
Serum	Bilirubin (Total)	BS MLC X 017 LP	RLI, FGH
Serum	Calcium	BS MLC X 014 LP	RLI, FGH
Serum	Cholesterol	BS MLC X 025 LP	RLI, FGH
Serum	Creatinine	BS MLC X 006 LP	RLI, FGH
Serum	Creatine Kinase	BS MLC X 023 LP	RLI, FGH
CSF	Glucose		RLI, FGH
CSF	Protein	BS MLC X 054 LP	RLI, FGH

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY SAMPLES (cont'd)	Biochemistry examinations for the purpose of clinical diagnosis (cont'd)	Beckman Coulter AU5800 (cont'd)	FNH RLI
	Quantification of: (cont'd)		
Serum	GGT	BS MLC X 052 LP	RLI, FGH
Serum	Gentamicin	BS MLC X 034 LP	RLI, FGH
Serum	Glucose	BS MLC X 024 LP	RLI, FGH
Serum	High Density Lipoprotein	BS MLC X 027 LP	RLI, FGH
Serum	Iron	BS MLC X 039 LP	RLI, FGH
Serum	Lactate dehydrogenase	BS MLC X 022 LP	RLI, FGH
Serum	Lithium	BS MLC X 036 LP	RLI, FGH
Serum	Magnesium	BS MLC X 021 LP	RLI, FGH
Serum	Paracetamol	BS MLC X 051 LP	RLI, FGH
Serum	Phosphate	BS MLC X 013 LP	RLI, FGH
Serum	Salicylate	BS MLC X 037 LP	RLI, FGH
Serum	Total protein	BS MLC X 016 LP	RLI, FGH
Serum	Triglyceride	BS MLC X 026 LP	RLI, FGH
Serum	UIBC	BS MLC X 040 LP	RLI, FGH
Serum	Urate	BS MLC X 032 LP	RLI, FGH
Serum	Urea	BS MLC X 005 LP	RLI, FGH
Serum	Zinc	BS MLC X 043 LP	RLI
Urine	Albumin	BS MLC X 053 LP	RLI, FGH
Serum	Alpha 1 antitrypsin	BS MLC X 041 LP	RLI
Serum	Caeruloplasmin	BS MLC R 051 LP	RLI

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY SAMPLES (cont'd)	Biochemistry examinations for the purpose of clinical diagnosis (cont'd)	Beckman Coulter AU5800 (cont'd)	FNH RLI
	Quantification of: (cont'd)		
Serum	Digoxin	BS MLC X 035 LP	RLI
Plasma	Ethanol	BS MLC X 044 LP	RLI, FGH
Serum	IgA	BS MLC X 028 LP	RLI
Serum	IgG	BS MLC X 029 LP	RLI, FGH
Serum	IgM	BS MLC X 030 LP	RLI, FGH
Serum	C Reactive protein	BS MLC X 046 LP	RLI, FGH
Serum	Rheumatoid factor	BS MLC X 031 LP	RLI, FGH
Serum	Carbamazepine	BS MLC X 057 LP	FGH
Serum	Phenytoin	BS MLC X 056 LP	FGH
Serum	Theophylline	BS MLC X 036 LP	FGH

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY SAMPLES (cont'd)	Biochemistry examinations for the purpose of clinical diagnosis (cont'd)	Beckman Coulter Dxl 800 analyser (immunoassay technique) using manufacturer's instructions and documented in-house procedure SOP: BS IA X 001 LP	
	Quantification of the following:		
Serum	Alpha Fetoprotein	BS IA X 002 LP	RLI
Serum	Beta hCG	BS IA X 006 LP	RLI, FGH
Serum	CA125	BS IA X 004 LP	RLI
Serum	CA199	BS IA X 005 LP	RLI
Serum	CEA	BS IA X 003 LP	RLI
Serum	DHEA	BS IA X 032 LP	FGH
Serum	Ferritin	BS IA X 029 LP	RLI, FGH
Serum	Folate	BS IA X 020 LP	RLI, FGH
Serum	FSH	BS IA X 011 LP	RLI, FGH
Serum	Free T3	BS IA X 009 LP	RLI, FGH
Serum	Free T4	BS IA X 008 LP	RLI, FGH
Serum	Growth Hormone	BS IA X 018 LP	RLI, FGH
Serum	LH	BS IA X 010 LP	RLI, FGH
Serum	Oestradiol	BS IA X 027 LP	RLI
Serum	Progesterone	BS IA X 028 LP	RLI, FGH
Serum	Prolactin	BS IA X 019 LP	RLI, FGH
Serum	PSA	BS IA X 013 LP	RLI, FGH
Serum	PTH	BS IA X 014 LP	RLI, FGH
Serum	SHBG	BS IA X 017 LP	RLI, FGH

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY SAMPLES (cont'd)	Biochemistry examinations for the purpose of clinical diagnosis (cont'd) Quantification of the following: (cont'd)	Beckman Coulter Dxl 800 (cont'd)	
Serum	Testosterone	BS IA X 023 LP	RLI, FGH
Serum	TPO ab	BS IA X 022 LP	RLI
Serum	Troponin	BS IA X 015 LP	RLI, FGH
Serum	TSH	BS IA X 007 LP	RLI, FGH
Serum	Vitamin B12	BS IA X 024 LP	RLI, FGH
Serum	Vitamin D	BS IA X 033 LP	FGH
Whole Blood	HbA1c	TOSOH G11 analyser HPLC SOP: BS HPLC X 011 LP	RLI, FGH
Serum	IGF1	Diasorin LiaisonXL analyser – Chemiluminescent Immunoassay (CLIA) SOP: BS IA F 002 LP	FGH
Serum	NTProBNP	VIDAS 3 Enzyme-linked fluorescent assay (ELFA) SOP: BS IA F 003 LP	FGH
	Osmolality	Advanced Instruments Osmometer Freezing point depression SOP: BS MAN X 011 LP	RLI, FGH
Serum	Protein classification including: Albumin Alpha-1 Alpha-2 Beta Gamma	Sebia Capillarys, electrophoresis, SOP: BS ELP R 003 LP	RLI
Sweat	Chloride	Chlorocheck 3400 SOP BS MAN X 017LP	RLI

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY SAMPLES (cont'd)	<u>Haematological examinations for the purpose of clinical diagnosis</u>		
EDTA whole blood	FBC including the following parameters: WBC RBC HGB HCT MCV MCH MCHC RDW-CV PLT NEUT LYMPH MONO EOS BASO	Beckman Coulter UnicellDxH900analyser - Coulter principle, photometric and by calculation SOP: BS FBC X 001 L	RLI, FGH, WGH
EDTA whole blood	Reticulocyte count	Beckman Coulter Unicell DxH900	RLI, FGH
EDTA whole blood	Erythrocyte Sedimentation Rate (ESR)	Alifax TEST 1 ESR Analyser Modified Westergren method based on red cell kinetics SOP: BS HR X 001 LP	RLI, FGH

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY SAMPLES (cont'd)	Haematological examinations for the purpose of clinical diagnosis (cont'd)		
Citrated plasma	INR APTT Fibrinogen D-dimer Xa Lupus screen (APTT with RVV) Protein C Protein S Antithrombin	ACL TOP 550 Clotting, Chromogenic and Immunological assays BS COAG X 003 LP	RLI
Citrated plasma	INR APTT Fibrinogen D-dimer Lupus screen (APTT with RVV)	ACL TOP 350 Clotting, Chromogenic and Immunological assays BS COAG X 003 LP	FGH
Citrated plasma	INR APTT Fibrinogen D-dimer	ACL TOP 300 Clotting, Chromogenic and Immunological assays BS COAG X 002 LP	WGH
EDTA whole blood	G6PD screen	Trinity Biotech, fluorescence chromatography SOP: BS HR X 047 LP Documented in-house methods to meet the requirements of the Sickle cell and Thalassaemia (SCT) screening programme screening programme(s) laboratory QA evidence requirements	RLI
EDTA whole blood	Hb variants (HbA, A2, F)	TOSOH G11 HPLC analyser, fractionation SOPs: BS HR X 009 LP and BS HR X 010 LP	RLI
EDTA whole blood	HbS	Clintech Sickle test kit SOP: BS HR X 065 LP	RLI

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY SAMPLES (cont'd)	Blood Transfusion examination activities for the purpose of clinical diagnosis		
EDTA blood/plasma	Red cell phenotyping: ABO Rh -D	Automated method: Ortho Clinical Diagnostics (OCD) Vision analyser Ortho BioVue System using column agglutination. Manual Method: OCD Ortho Biovue cassettes BS TA X 001 LP	RLI, FGH, WGH
EDTA blood/plasma	Detection and identification of: antibodies Rh –C,D,E,c,e, Cw Kell –K, K, Kpa Duffy –Fya, Fyb MNSs- M, N, S, s Kidd –JKa, Jkb P–P1 Anti-Chido/Rogers Kidd-Jka, Jkb Lewis-Lea, Leb Lutheran-Lua, Lub	Automated: OCD Vision analyser Ortho BioVue System using column agglutination. Manual Method: OCD Ortho Biovue cassettes SOP: BS TM X 032 LI	RLI, FGH, WGH
EDTA blood/plasma	Direct Antiglobulin Test (DAT)	OCD Vision Analyser Column agglutination technology BioVue DAT Specific (Anti-IgG, Anti-C3b/d, Control) cassette SOPs: BS TA X 001 LP	RLI, FGH, WGH
	Compatibility testing of patient plasma and donor cells	Manual - using gel card system SOPs: BS TM X 069 LI, BS TR X 012 LI	RLI, FGH, WGH
EDTA blood/plasma	Foetal Maternal Haemorrhage Test	Manual technique using Kleihauer acid elution staining SOP: BS TM X 048 LP	RLI, FGH, WGH
END			