Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

UKAS MEDICAL **8555** **Accredited to ISO 15189:2022**	**North Cumbria Integrated Care NHS Foundation Trust** **Issue No:** 019 **Issue date:** 13 August 2026	
	Cumberland Infirmary **Carlisle** **CA2 7HY**	**Contact: Kenneth Ijere** **Tel: +44 (0) 1228 814540** **Fax: +44 (0) 1228 814831** **E-Mail: Kenneth.Ijere@ncic.nhs.uk** **Website: www.ncic.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
Address Blood Sciences Laboratory Cumberland Infirmary Carlisle CA2 7HY	**Local contact** Elizabeth Middling	Haematology Blood transfusion Clinical Biochemistry Documented in-house methods to meet the requirements of the Sickle cell and Thalassaemia screening programme as defined in the laboratory QA evidence requirements: • Review of Family Origin Questionnaire and Full Blood Count screen • Subsequent testing at a laboratory accredited to ISO 15189 for detection of haemoglobin variants • Clinical interpretation and reporting	A
Address Blood Sciences Laboratory West Cumberland Hospital Whitehaven CA28 8JG	**Local contact** Elizabeth Middling	Haematology Blood transfusion Clinical Biochemistry	B

Site activities performed away from the locations listed above:

Location details	Activity	Location code
Blood Issue Fridge Blood Sciences Laboratory Cumberland Infirmary Carlisle CA2 7HY	Storage and issue of blood and blood products	A
Blood Issue Fridge Blood Sciences Laboratory West Cumberland Hospital Whitehaven CA28 8JG	Storage and issue of blood and blood products	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 SAMPLES	Haematology examinations for the purposes of clinical diagnosis	In-house documented procedures based on equipment manuals as relevant	
EDTA Whole Blood	Full Blood Count: Haemoglobin White blood cell count Red blood cell count Platelet count Haematocrit Mean Cell Volume Mean Cell Haemoglobin Neutrophil count Monocyte count Eosinophil count Basophil count Reticulocyte count	Sysmex XN Series analyser using sheath flow and fluorescence flow cytometry BS-RH-SOP-34 BS-RH-SOP-35	A, B
Sodium citrate plasma	Coagulation: Prothrombin time APTT Claus fibrinogen D-dimer Automated INR Heparin ratio Heparin assay – Thrombin time	Sysmex CN 3000 analyser using clotting, chromogenic and immunoassay methods BS-COA-SOP-25	A, B
Sodium citrate plasma	DRVVT	Sysmex CN 3000 analyser using clotting, chromogenic and immunoassay methods BS-COA-SOP-25	A
Blood	Blood film assessment for detection of abnormal cell type, morphology, and numbers	Hematek 3000 slide stainer and microscopy, BS-RH-SOP-16	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY SAMPLES (cont'd)	Haematology examinations for the purposes of clinical diagnosis (cont'd)	In-house documented procedures based on equipment manuals as relevant	
Bone marrow	Bone marrow assessment for detection of abnormal cell types, morphology, and numbers	Hematek 3000 slide stainer using Giemsa and Perl' stain and light microscopy BS-RH-SOP-16	A
Blood	ESR	Alifax Test 1 XDL automated analyser using photokinetics BS-RH-SOP-20	A, B
Blood	Malaria screen to detect Plasmodium falciparum and Plasmodium species	CareUS Rapydtest® Immunochromatographic kit BS-RH-SOP-14	A
Blood	Malaria screen (detection of Plasmodium species)	Automated staining using Hematek and Romanowski stain BS-RH-SOP-7 BS-RH-SOP-16	A
Blood	Sickle cell screen HbS	Biomedics sickle scan lateral flow chromatographic qualitative immunoassay BS-RH-SOP-31	A
Urine	Detection of iron deposits	Manual Perl's Prussian Blue stain and microscopy BS-RH-SOP-8	A

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 examinations for the purposes of clinical diagnosis	Ortho Clinical Diagnostics Vision analysers using column agglutination analysers using column agglutination BS-TRA-SOP-61	A, B
Blood	Cross match	BS-TRA-SOP-11	
	Group and antibody screen	BS-TRA-SOP-1, BS-TRA-SOP-4	
	Antibody panels (enzyme and AHG) Rh-hr, D, C, E, c, e, C^w Kell, K, k, Kp^a, Kp^b, Js^a, Js^b Duffy, Fy^a, Fy^b Kidd, Jk^a, Jk^b Lewis, Le^a, Le^b MNS, M, N, S, s Luth, Lu^a, Lu^b Xg, Xg^a	BS-TRA-SOP-10	
Blood	Screening for Foetal Hb in maternal blood for FMH determination	Kleihauer test using Foetal red cell detection kit BS-TRA-SOP-44	

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 purposes of clinical diagnosis	In-house documented procedures based on equipment manuals as relevant	
Serum, plasma Additionally, CSF^	Quantification of the following:	Roche Cobas 8000 comprising ISE, c702 and e801 modules BS-AUT-SOP-87	
	Anti-TPO		A
	A1-antitrypsin		A
	ACE		A
	AFP		A
	Albumin		A, B
	Alkaline phosphatase		A, B
	ALT		A, B
	Ammonia		A, B
	Amylase		A, B
	AST		A
	Bicarbonate		A, B
	Bile acids		A
	CA-125		A
	CA-15-3		A
	CA19-9		A
	Calcium		A, B
	Caeruloplasmin		A
	Carbamazepine		A
	CEA		A
	Cholesterol		A, B
	Chloride		A, B
	Conjugated Bilirubin	Wako using vanadate oxidation SOP BS-AUT-SOP-3	A, B
	Cortisol		A, B
	Creatinine	Enzymatic	A, B
	Creatine kinase		A, B
	CRP		A, B
	Digoxin		A, B
	Ethanol		A, B
	Ferritin		A, B
	Folate		A, B
	FSH		A
	Free T3		A
	Free T4		A
	Gamma Glutamyl Transferase		A, B
	Gentamicin		A, B
	Glucose^		A, B
	HCG		A, B
	HDL-cholesterol		A, B
	Iron		A
	Lactate^		A, B

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 purposes of clinical diagnosis (cont'd)	In-house documented procedures based on equipment manuals as relevant	
Serum, plasma Additionally, CSF^	Quantification of the following:	Roche Cobas 8000 comprising ISE, c702 and e801 modules BS-AUT-SOP-87	
	LDH		A, B
	LH		A
	Lithium		A, B
	Magnesium		A, B
	NT-proBNP		A
	Oestradiol		A
	Phenytoin		A, B
	Phosphate		A, B
	Potassium		A, B
	Progesterone		A
	Prolactin		A
	Protein		A, B
	PSA		A
	PTH		B
	Salicylate		A, B
	SHBG		A
	Sodium		A, B
	Testosterone		A
	Theophylline		A, B
	Total bilirubin		A, B
	Total Protein^		A, B
	Transferrin		A
	Triglyceride		A, B
	Troponin		A, B
	TSH		A, B
	Urate		A, B
	Urea		A, B
	Valproate		A
	Vancomycin		A, B
	Vitamin B12		A, B
	25OH Vitamin D		A
	Paracetamol	Cambridge Life Science reagent Enzymatic assay BS-AUT-SOP-28	A, B

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 purposes of clinical diagnosis (cont'd)	In-house documented procedures based on equipment manuals as relevant	
Urine		Roche Cobas 8000 comprising ISE, c702 and e801 modules BS-AUT-SOP-87	
	Albumin		A
	Amylase		A
	Calcium		A
	Chloride		A
	Creatinine (Jaffe)		A
	Phosphate		
	Protein		A, B
	Sodium		A
	Urate		A
	Urea		A
	LDL- cholesterol	Calculated test BS-AUT-SOP-25	B
Faeces	Faecal Immunochemical Testing (FIT) for symptomatic testing	Roche Cobas 8000 c702 Sentinel FOB gold NG wide kit BS-AUT-SOP-82	A
Faeces	Calprotectin	Roche Cobas 8000 c702 Buhlmann PETIA BS-AUT-SOP-79	A
Blood	Gas analysis pO2 PCO2 pH Ionised calcium Carboxyhaemoglobin Methaemoglobin Sodium Base excess Standard bicarbonate O2 saturation	Roche b123 Cooximetry and direct ion selective electrode BS-MAN-SOP-31	A, B
Blood	Quantification of haemoglobin for HbA1c	Tosoh G11analyser using HPLC SOP BS-MAN-SOP-14	A
Serum, urine	Osmolality	Advanced Instruments Osmometer using Freezing point depression. SOP: BS-MAN-SOP-7	A, B

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 purposes of clinical diagnosis (cont'd)	In-house documented procedures based on equipment manuals as relevant	
CSF	Detection of bilirubin and haemoglobin products	Manual method using Uvikon double beam spectrophotometer BS-MAN-SOP-22	A
Urine	Screening for urine opiates Buprenorphine EDDP Morphine	Alere competitive binding Immunoassay drug screen panel and BS-SOP-29	A
END			