


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 8555 Accredited to ISO 15189:2022	North Cumbria Integrated Care NHS Foundation Trust	
	Issue No: 015 Issue date: 23 July 2025	
	Cumberland Infirmary Carlisle CA2 7HY	Contact: Anne Pearson Tel: +44 (0) 1228 814540 Fax: +44 (0) 1228 814831 E-Mail: anne.pearson@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 Sick cell and Thalassaemia screening programme as defined in the laboratory QA evidence requirements: <ul style="list-style-type: none">Review of Family Origin Questionnaire and Full Blood Count screenSubsequent testing at a laboratory accredited to ISO 15189 for detection of haemoglobin variantsClinical interpretation and reporting	A
Address Blood Sciences Laboratory West Cumberland Hospital Whitehaven CA28 8JG	Local contact Elizabeth Middling	Haematology Blood transfusion Clinical Biochemistry	B



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Site activities performed away from the locations listed above:

Location details	Activity	Location code
Blood Issue Fridge Blood Sciences Laboratory Cumberland Infirmary Carlisle	Storage and issue of blood and blood products	A
Blood Issue Fridge Blood Sciences Laboratory West Cumberland Hospital Whitehaven	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 FLUIDS	<u>Haematology examinations for the purposes of clinical diagnosis</u>	In-house documented procedures based on equipment manuals as relevant	
EDTA Whole Blood	<u>Full Blood Count:</u> 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	<u>Coagulation:</u> <u>Prothrombin time</u> <u>APTT</u> <u>Claus fibrinogen</u> <u>D-dimer</u> <u>Automated INR</u> <u>Heparin ratio</u> <u>Heparin assay – Thrombin time</u>	Sysmex CN 3000 analyser using clotting, chromogenic and immunoassay methods BS-COA-SOP-25	A B
Sodium citrate plasma	<u>DRVVT</u>	Sysmex CN 3000 analyser using clotting, chromogenic and immunoassay methods BS-COA-SOP-25	A



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HUMAN BODY FLUIDS	<u>Haematology examinations for the purposes of clinical diagnosis</u>	In-house documented procedures based on equipment manuals as relevant	
Blood	Blood film assessment for detection of abnormal cell type, morphology, and numbers	Hematek 3000 slide stainer and microscopy, BS-RH-SOP-16	A
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	Carestart RDT 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



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HUMAN BODY FLUIDS	<u>Blood transfusion examinations for the purposes of clinical diagnosis</u>	Ortho Clinical Diagnostics Vision analysers using column agglutination analysers using column agglutination	A B
Blood	Cross match	BS-TRA-SOP-61	
	Group and antibody screen	BS-TRA-SOP-11	
	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-1, BS-TRA-SOP-4 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	



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HUMAN BODY FLUIDS	<u>Biochemistry examinations for the purposes of clinical diagnosis</u>	In-house documented procedures based on equipment manuals as relevant	
Serum, plasma	Quantification of the following:	Roche Cobas 6000 and 8000 lines comprising ISE, c501, e601, e602, c701 modules- Cumberland Infirmary	
Additionally CSF [^]		Roche Cobas 8000 comprising c702, e801 modules- West Cumberland Hospital 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
	Conjugated Bilirubin	Wako using vanadate oxidation SOP BS-AUT-SOP-3	A
	Cortisol		A
	Creatinine	Enzymatic	A
	Creatinine kinase		A
	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



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Serum, plasma	Quantification of the following:	Roche Cobas 6000 and 8000 lines comprising ISE, c501, e601, e602, c701 modules- Cumberland Infirmary BS-AUT-SOP-38 BS-AUT-SOP-63	
Additionally CSF^		Roche Cobas 8000 comprising c702, e801 modules- West Cumberland Hospital BS-AUT-SOP-87	
	Gentamicin		A B
	Glucose^		A B
	HCG		A B
	HDL-cholesterol		A B
	Iron		A
	Lactate^		A B
	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



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Serum, plasma	Quantification of the following:	Roche Cobas 6000 and 8000 lines comprising ISE, c501, e601, e602, c701 modules- Cumberland Infirmary BS-AUT-SOP-38 BS-AUT-SOP-63	
Additionally CSF^		Roche Cobas 8000 comprising c702, e801 modules- West Cumberland Hospital BS-AUT-SOP-87	
	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	AB



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HUMAN BODY FLUIDS	<u>Biochemistry examinations for the purposes of clinical diagnosis</u>	In-house documented procedures based on equipment manuals as relevant	
Urine	Albumin Amylase Calcium Chloride Creatinine (Jaffe) Phosphate Protein Sodium Urate Urea LDL- cholesterol	Roche Cobas 6000 and 8000 lines comprising ISE, c501, e601, e602, c701 modules- Cumberland Infirmary BS-AUT-SOP-38 BS-AUT-SOP-63 Roche Cobas 8000 comprising c702, e801 modules- West Cumberland Infirmary BS-AUT-SOP-87 Calculated test BS-AUT-SOP-25	A A A A A A B A A A B



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HUMAN BODY FLUIDS	<u>Biochemistry examinations for the purposes of clinical diagnosis</u>	In-house documented procedures based on equipment manuals as relevant	
Faeces	Quantitative Faecal haemoglobin test (Faecal immunochemical testing FIT)	Roche Cobas 6000 c501 Sentinel FOB gold NG wide kit BS-AUT-SOP-82	A
Faeces	Calprotectin	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 G8 analyser using HPLC SOP BS-MAN-SOP-14	A
Serum, urine	Osmolality	Advanced Instruments Osmometer using Freezing point depression. SOP: BS-MAN-SOP-7	AB
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			