


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 15189:2012	North Cumbria Integrated Care NHS Foundation Trust	
	Issue No: 011 Issue date: 29 October 2021	
	Cumberland Infirmary Carlisle CA2 7HY	Contact: Kim Cookson Tel: +44 (0) 1228 814521 Fax: +44 (0) 1228 814831 E-Mail: kim.cookson@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	Diagnostic Testing A
Address Blood Sciences Laboratory West Cumberland Hospital Whitehaven CA28 8JG	Local contact Elizabeth Middling	Diagnostic Testing B

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	
Blood	Full Blood Count Haemoglobin White Blood Cell Count Red Blood Count Platelet Count Haematocrit Mean Cell Volume Mean Cell Haemoglobin Neutrophil count Lymphocyte count Monocyte count Eosinophil count Basophil count Reticulocyte count*	Beckman Coulter DxH800 by flow cytometry BS-RH-SOP-6 Beckman Coulter DxH800 and DxH600 by flow cytometry BS-RH-SOP-6	A B
Blood	Blood film assessment for detection of abnormal cell type, morphology and numbers	Hematek 3000 slide stainer and microscopy, BS-RH-SOP-16	*A only A,B
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
Blood	ESR	Manual Westergren method BS-RH-SOP-17	A, B
Blood	Malaria screen to detect Plasmodium falciparum and Plasmodium species	Carestart RDT Immunochromatographic kit BS-RH-SOP-14	A



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HUMAN BODY FLUIDS	<u>Haematology examinations for the purposes of clinical diagnosis (cont'd)</u>	In-house documented procedures based on equipment manuals as relevant	
Blood	Malaria screen (detection of Plasmodium falciparum, malariae, ovale and vivax)	Manual staining using Fields stain Automated staining using Hematek and Romanowski stain BS-RH-SOP-7 BS-RH-SOP-16	A
Blood	Sickle cell screen	Streck Sickledex kit using solubility BS-RH-SOP-13	A
Urine	Detection of iron deposits	Manual Perls Prussian Blue stain and microscopy BS-RH-SOP-8	A
Plasma	Coagulation- Prothrombin time APTT Clauss fibrinogen D Dimer Automated INR Heparin ratio Thrombin time	Instrumentation Laboratory TOP500 coagulation analyser using immunoassay, turbidimetry and chromogenic. BS-COA-SOP-19 BS-COA-SOP-23	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	
Serum, plasma	Quantification of the following:	Roche Cobas 6000 and 8000 lines comprising ISE, c501, e601, e602, c701 modules BS-AUT-SOP-63 BS-AUT-SOP-38 BS-AUT-SOP-63	A
Additionally CSF^	Anti-TPO* A1-antitrypsin* ACE* AFP* Albumin Alkaline phosphatase ALT Ammonia Amylase AST* Bicarbonate Bile acids* CA-125* CA-15-3* CA19-9* Calcium Caeruloplasmin* Carbamazepine* CEA* Cholesterol* Chloride Conjugated Bilirubin Cortisol Creatinine Creatinine kinase CRP Digoxin Ethanol Ferritin* Folate* FSH* Free T3* Free T4* Gamma Glutamyl Transferase Gentamicin Glucose^ HCG HDL-cholesterol* Iron* Lactate^ LDH	Roche Cobas 4000 comprising c311, e411 modules BS-AUT-SOP-78 BS-AUT-SOP-38 BS-AUT-SOP-63 Roche Cobas 4000 comprising c311, e411 modules BS-AUT-SOP-78 Enzymatic	B A, B *A only B A, B *A only 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	A
Additionally CSF [^]	LH* Lithium Magnesium NT-proBNP* Oestradiol* Phenytoin Phosphate Potassium Progesterone* Prolactin* Protein PSA* PTH* Salicylate SHBG* Sodium Testosterone* Theophylline Total bilirubin Total Protein [^] Transferrin* Triglyceride* Troponin TSH* Urate Urea Valproate* Vancomycin Vitamin B12* 25OH Vitamin D* Paracetamol	BS-AUT-SOP-38 BS-AUT-SOP-63 Roche Cobas 4000 comprising c311, e411 modules BS-AUT-SOP-78	B A, B *A only
Urine	Albumin* Amylase* Calcium* Chloride* Creatinine (Jaffe) Magnesium* Phosphate* Potassium*	Cambridge Life Science reagent Enzymatic assay BS-AUT-SOP-28	A, B A, B *A only



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Serum, plasma Additionally CSF [^]	Quantification of the following: Protein Sodium* Urate* Urea*	Roche Cobas 6000 and 8000 lines comprising ISE, c501, e601, e602, c701 modules	A
Faeces	Calprotectin	Buhlmann PETIA BS-AUT-SOP-79	A
Blood	Gas analysis pO ₂ PCO ₂ pH Ionised calcium Carboxyhaemoglobin Methaemoglobin Sodium Base excess Standard bicarbonate O ₂ saturation	Roche b123 Cooximetry and direct ion selective electrode BS-MAN-SOP-31	A, B
Serum	Quantification of Conjugated/Direct bilirubin	Wako using vanadate oxidation SOP BS-AUT-SOP-3	A, B
Blood	Quantification of haemoglobin for HbA1c and beta-thalassaemia	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	A, B
Urine	Qualitative detection of HCG	Quadrantech Check4 Pregnancy Dip Strip Test using lateral flow BS-MAN-SOP-25	A
Faeces	Faecal occult blood	Manual Hema-screen kit using guaiac based method BS-MAN-SOP-6	A
CSF	Detection of bilirubin and haemoglobin products	Manual method using Uvikon double beam spectrophotometer BS-MAN-SOP-22	A



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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	
Sweat	Quantification of chloride	Mercuric Thiocyanate method using Uvikon double beam spectrophotometer BS-MAN-SOP-30	A
Urine	Screening for urine opiates Buprenorphine EDDP Morphine	Alere competitive binding Immunoassay drug screen panel and BS-SOP-29	A
END			