


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>UKAS MEDICAL 9591</p> <p>Accredited to ISO 15189:2012</p>	<p>Northumbria Healthcare NHS Foundation Trust</p> <p>Issue No: 009 Issue date: 17 March 2022</p>	
	<p>Department of Haematology and Blood Transfusion North Tyneside General Hospital Rake Lane North Shields NE29 8NH</p>	<p>Contact: Chris Leyland Tel: +44 (0)191 293 2591 E-Mail: Christopher.Leyland@northumbria-healthcare.nhs.uk Website: www.northumbria.nhs.uk</p>
<p>Testing performed by the Organisation at the locations specified below</p>		

Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details	Activity	Location code
<p>Address Department of Haematology North Tyneside General Hospital Rake Lane North Shields NE29 8NH</p> <p>Local contact as above</p>	<ul style="list-style-type: none"> • Routine Haematology • Blood fridges • Screening 	NTGH A
<p>Department of Haematology Northumbria Specialist Emergency care hospital Northumbrian Way Cramlington NE23 6NZ</p> <p>as above</p>	<ul style="list-style-type: none"> • Routine Haematology • Blood Transfusion • Blood fridges 	NSECH B
<p>Department of Haematology Wansbeck General Hospital Woodhorn Lane Ashington NE63 9JJ</p> <p>as above</p>	<ul style="list-style-type: none"> • Routine Haematology • Blood Fridges 	WGH C
<p>Department of Haematology Hexham General Hospital Corbridge Road Hexham NE46 1QJ</p> <p>as above</p>	<ul style="list-style-type: none"> • FBC • Blood fridges • Phlebotomy 	HGH D



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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>Haematological examination activities for the purposes of clinical diagnosis:</u>	Documented in house methods and manufacturers instructions for	
Blood	Quantitative determination of FBC to include: Differential white cell count Nucleated RBC Reticulocytes Haemoglobin Platelets White cell count MCV RBC MCH MCHC RDW HCT Neutrophils Lymphocytes Monocytes Eosinophils Basophils IRF	Beckman Coulter DXH 900 (ABC) DXH 800 (D) unicell using light scatter, impedance count and colorimetric technology: LP-HAE-UEQ-G-021 LP-HAE-UEQ-G-026	A, B, C, D
Blood	ESR	Alifax analyser using capillary photometry: LP-HAE-UEQ-G-022	A, B, C
Blood films	Red cell, white cell and platelet morphology and white cell differential	Manual and automated staining using modified Wrights stain and light microscopy: Hematek 3000 LP-HAE-UEQ-G-003 and Beckman Coulter SMS LP-HAE-UEQ-N-016 Aerospray LP-HAE-HAE-W-001 and Hematek 3000 LP-HAE-UEQ-G-025	A B C



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HUMAN BODY FLUIDS (cont'd)	<u>Haematological examination activities for the purposes of clinical diagnosis (cont'd):</u>	Documented in house methods and manufacturers instructions for	
Blood	Heterophile antibody	Manual method using Clearview IM II kit- rapid chromatographic immunoassay: LP-HAE-HAE-G-007	A, B, C
Blood	Serum Vitamin B12 Serum Ferritin Red cell folate Serum folate Intrinsic Factor Antibodies	Beckman Coulter Dxl 800 using competitive binding immunoenzymatic assay LP-HAE-SPL-G-001 LP-HAE-SPL-G-002 LP-HAE-SPL-G-003 LP-HAE-SPL-G-004 LP-HAE-SPL-G-007	A
Blood	Malarial antigens of: <i>Plasmodium falciparum</i> and pan-detection for: <i>Plasmodium falciparum</i> <i>Plasmodium malariae</i> , <i>Plasmodium ovale</i> & <i>Plasmodium vivax</i>	Manual method using Carestart Rapydtests (Pan/Pf) rapid chromatographic immunoassay: LP-HAE-HAE-G-003	A, B, C
Blood	Detection & speciation of malaria parasites: All plasmodium species known to cause human disease	Preparation of thick and thin films, staining and light microscopy using Giemsa pH7.2/modified Wrights LP-HAE-HAE-G-023	A, B, C
Blood	Anticardiolipin IgG Ab Beta 2 Glycoprotein 1 Ab	Alegria Analyser using photometric immunoassay LP-HAE-UEQ-N-020	A
Blood	Sickle cells solubility - HbS	Manual method using turbidimetry: LP-HAE-SPL-G-009	A, B



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HUMAN BODY FLUIDS (cont'd)	<u>Haematological examination activities for the purposes of clinical diagnosis (cont'd):</u>	Documented in house methods and manufacturers instructions for	
Blood	Haemoglobinopathy testing : HbF HbA2 HbS HbA HbC HbD HbE	TOSOH G11 using HPLC: Documented In-House Methods to meet the requirements of the SCT Programme handbook as defined in the current version of 'Sickle cell and Thalassaemia screening: laboratory QA evidence requirements' for antenatal screening and newborn screening LP-HAE-SPL-N-006	A
Blood	Serum free light chains - Kappa and Lambda Beta 2 Microglobulin Haptoglobin	Optilite analyser using latex enhanced immunoassay : LP-HAE-SPL-N-021 LP-HAE-SPL-N-022 LP-HAE-SPL-N-023	A
Blood	G6PD enzyme	Manual method using Fluorescence enzyme assay of NADPH under fluorescent light LP-HAE-SPL-N-010	A
Bone Marrow	Cellularity M:E ratio and nucleated cell differential Morphology (normal and abnormal) of red cells, white cells and platelet precursors	Automated staining using modified Wrights stain and Iron stain manual stain and light microscopy: Hematek 3000 (A) and Aerospray (C) LP-HAE-HAE-G-031	A, C



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HUMAN BODY FLUIDS (cont'd)	<u>Haematological examination activities for the purposes of clinical diagnosis (cont'd):</u>	Documented in house methods and manufacturers instructions for	
Blood	Antibodies against PF4/Polyanion complex	Stago stic expert HIT kit using lateral flow immunoassay: LP-HAE-COG-S-012	B
Plasma or sodium citrate	Factor V Leiden Prothrombin G20210A mutation	Cepheid Gene Xpert analyser using real time PCR- Xpert Hemosil Kit: LP-HAE-COG-S-004	B



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HUMAN BODY FLUIDS (cont'd)	<u>Blood Transfusion examinations to assist in clinical investigations</u>	Procedures documented in manufacturer's equipment manuals in conjunction with documented in-house procedures by the following methods:	
EDTA Packed red cells	Blood Group by detection and identification of antigens and antibodies: A D Positive AB D Positive B D Positive O D Positive A D Negative AB D Negative B D Negative O D Negative	Column Technology: Ortho Vision automation. Manual BioVue system Manual tube group LP-HAE-BTR-G-2.02 LP-HAE-BTR-G-2.03 LP-HAE-BTR-G-2.04 LP-HAE-BTR-G-3.09	B
EDTA Whole Blood/plasma	Antibody Screen by detection of antibodies to: Rh which includes anti-C, D, C, E, c, e, f, C ^w K, k, Kp ^a , Kp ^b , Js ^a , Js ^b Xg ^a Fy ^a , Fy ^b , Jk ^a , Jk ^b Le ^a , Le ^b S, s, M, N P ₁ Lu ^a , Lu ^b	As above	B
	Specific Antigens Phenotype Rh and Kell	LP-HAE-BTR-G-2.08 LP-HAE-BTR-G-2.07	B
EDTA Plasma	Compatibility testing of patients plasma with donor cells	Column Technology: Ortho Vision automation. Manual BioVue system: LP-HAE-BTR-G-4.01	B
EDTA packed red cell	Direct Antiglobulin Test (DAT): IgG C3D C3b	LP-HAE-BTR-G-2.06	B



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HUMAN BODY FLUIDS (cont'd) Whole blood/EDTA	<u>Blood Transfusion examinations to assist in clinical investigations (cont'd)</u> HbF in foetal cells	Procedures documented in manufacturer's equipment manuals in conjunction with documented in-house procedures by the following methods: Manual acid elution technique using Source bioscience foetal cell detection kit Kleihauer method: LP-HAE-BTR-G-6.03	B
END			