


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <b>UKAS</b> MEDICAL 8867  Accredited to ISO 15189:2022	<b>Lancashire Teaching Hospitals NHS Foundation Trust</b>  Issue No: 019 Issue date: 20 May 2026	
	Lancashire and South Cumbria Pathology Service Department of Haematology Blackpool Victoria Hospital Whinney Heys Road Blackpool FY3 8NR United Kingdom	Contact: Irene Regan Tel: +44 (0)1253 300 000 E-Mail: irene.regan@nhs.net Website: <a href="https://www.blackpoolteachinghospitals.nhs.uk">https://www.blackpoolteachinghospitals.nhs.uk</a>

**Testing performed by the Organisation at the locations specified below**

### Locations covered by the organisation and their relevant activities

#### Laboratory locations:

Location details		Activity
<b>Address</b> Department of Haematology Blackpool Victoria Hospital Whinney Heys Road Blackpool FY3 8NR United Kingdom	<b>Local contact</b> Irene Regan	Haematology Blood Transfusion Immunology  Documented in-house methods to meet the requirements of the Sickle cell and Thalassaemia (SCT) screening programme as defined in the laboratory QA evidence requirements: <ul style="list-style-type: none"><li>• Review of Family Origin Questionnaire and Full Blood Count screen</li><li>• Subsequent testing at a laboratory accredited to ISO 15189 for detection of haemoglobin variants via HPLC</li><li>• Clinical interpretation and reporting</li></ul>



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#### Site activities performed away from the locations listed above:

Location details	Activity
Blood Fridge Cardiac Theatre Blackpool Teaching Hospital Whinney Heys Road Blackpool FY3 8NR United Kingdom	Blood issue fridge for storage of blood products only; no testing occurs at this site
Blood Fridge Haematology Ward Blackpool Teaching Hospital Whinney Heys Road Blackpool FY3 8NR United Kingdom	Blood issue fridge for storage of blood products only; no testing occurs at this site



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DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY SAMPLES	<u>Haematology examination activities for the purposes of clinical diagnosis:</u>	In house documented procedures based on equipment manuals and standard methods as specified below:
EDTA Blood	Full Blood Count (white blood cells, red blood cells, Hb, PCV, MCV, MCH, MCHC, RDW, Platelets, MPV, Neutrophils, Lymphocytes, Monocytes, Eosinophils, Basophils, LUCs, Reticulocytes)	SOPs HG-115-119 by flow cell and colorimetric methods using Siemens Advia 2120i
Blood	Blood Film assessment and manual differential	SOP HM-114, HMI-114 & HM-110 Romanowsky staining on Aerospray Hematology Pro Stainer and microscopy
Blood	Detection of Malarial antigens	SOP HM-111 CareStart™ Malaria HRP2/pLDH (Pf/PAN) Combo
Blood	Malaria blood film to detect malaria parasites	SOP HM-111 Romanowsky staining on Aerospray Hematology Pro Stainer at pH7.2, manual Field stain and microscopy
EDTA Blood	Erythrocyte sedimentation rate (automated)	SOP HG-124 using automated StaRRSed RS



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HUMAN BODY SAMPLES (cont'd)	<u>Haematology examination activities for the purposes of clinical diagnosis:</u> (cont'd)	In house documented procedures based on equipment manuals and standard methods as specified below: (cont'd)
EDTA Blood/Plasma	Detection of Infectious Mononucleosis heterophile antibodies	SOP HMI-125 using Alere Clearview IM II rapid
EDTA Blood	Sickle Cell Haemoglobin Screening Test	SOP HMI-113 by qualitative solubility using TCS Biosciences Sickle-Check Hb-S Test Kit
Citrated Plasma (unless otherwise stated)	<u>Coagulation examination activities for the purposes of clinical diagnosis</u>	In-house procedures using ACL TOP 550 with reference to:
	INR Prothrombin time (PT)	SOP HC-401 by optical clot detection
	Activated partial thromboplastin time (aPTT)	SOP HC-401 by optical clot detection
	Fibrinogen	SOP HC-401 by optical clot detection and Clauss technique
	D-Dimer	SOP HC-403 HemosIL HS 500 by turbidometric latex enhanced immunoassay.
	Intrinsic factor assays (Factor VIII, IX, XI or XII levels)	SOP HC-602 by optical clot detection
	Extrinsic factor assays (Factor II, V, VII or X levels)	SOP HC-603 by optical clot detection
	Inhibitor assays - Differentiating factor deficiency from inhibitor.	SOPs HC-607 & 608 by optical clot detection
	Lupus Anticoagulant Screen (dRVVT)	SOP HC-610 by optical clot detection
	Protein C	SOP HC-612 by chromogenic assay



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HUMAN BODY SAMPLES (cont'd) Citratd Plasma (unless otherwise stated)	<u>Coagulation examination activities for the purposes of clinical diagnosis (cont'd)</u>  Free Protein S  Antithrombin  Von Willebrand Factor  Anti Factor Xa  Anti-Factor Xa Assay for Direct Xa Inhibitors	In house documented procedures based on equipment manuals and standard methods as specified below: (cont'd)  SOP HC-613 by turbidimetric latex ligand immunoassay.  SOP HC-611 by chromogenic assay  SOP HC-604 by turbidimetric latex enhanced immunoassay.  SOPHC-605 by by chromogenic assay SOP HC-606 (DOAC AFXA) Chromogenic assay  Chromogenic assay, SOP SOPHC-605 LP-HAE-  SOP HC 606 DOAC– Apixaban



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HUMAN BODY SAMPLES (cont'd)	<u>Immunology examination activities for the purpose of clinical diagnosis</u> Quantitation of:	
EDTA blood or bone marrow	Immunophenotyping:  % positive cell populations CD2, CD4, CD8, CD5, CD19, CD10, CD20, CD34, CD7, CD13, CD33, CD117, HLA DR, CD45, CD14, FMC7, CD79b, CD23, CD22, CD3, cytoplasmic MPO, cytoplasmic CD79a, cytoplasmic CD3, cytoplasmic TDT, kappa , lambda	Flow Cytometry using Beckman Coulter Navios EX SOP IMM414
EDTA blood or bone marrow	Immune monitoring:  % and absolute CD3, CD4, CD8, CD19, CD56.  Absolute lymphocyte count  CD4/CD8 ratio	Flow Cytometry using Beckman Coulter Navios EX SOP IMM411
EDTA blood & harvested stem cells	CD34	SOP IMM412
Serum	Rheumatoid factor	SOP IMM110 using Siemens Atellica Neph 630



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HUMAN BODY SAMPLES (cont'd)	<u>Blood Transfusion examination activities for the purposes of clinical diagnosis:</u>	In house documented procedures in conjunction with equipment manuals and standard methods as specified below:
EDTA Blood	Automated blood group:  A Rh D positive A Rh D negative O Rh D positive O Rh D negative B Rh D positive B Rh D negative AB Rh D positive AB Rh D negative	SOPs BST.0161 using Ortho Vision Blood Grouping Analyser
EDTA Blood	Manual Blood Group	SOPs BST.0121 and 0137 using Ortho cassettes
EDTA plasma	Antibody detection:  Rh: C,D,E,c,e, Cw Kell: K, k, Kp (a) MNS: S, s, M, N Lewis: Le (a), Le (b) Duffy: Fy (a), Fy (b) Kidd: Jk (a), Jk (b)	SOPs BST.0161 using Ortho Vision Blood Grouping Analyser
EDTA plasma	Manual antibody detection	SOPs BST. 0129 using Biovue cassette
EDTA plasma (and donor cells)	Serological crossmatch	SOP BST.0102 by manual method using Biovue IAT poly-specific AHG cassettes



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<p>HUMAN BODY SAMPLES (cont'd)</p> <p>EDTA plasma</p> <p>EDTA blood</p> <p>EDTA Blood</p> <p>EDTA Blood</p>	<p><u>Blood Transfusion examination activities for the purposes of clinical diagnosis (cont'd):</u></p> <p>Antibody identification and Direct Coombs test:</p> <p>Rh: C, D, E, c, e, Cw Kell: K, k, Kp (a) MNS: S, s, M, N Lewis: Le (a), Le (b) Duffy: Fy (a), Fy (b) Kidd: Jk (a), Jk (b)</p> <p>Direct Coombs test (DCT)</p> <p>Rh: C, D, E, c, e, Cw Kell: K,</p> <p>Measurement of Foetal RBC in maternal blood for FMH determination</p> <p>Reported as &lt; 2mL Bleed or if positive as actual volume in mL</p>	<p>In house documented procedures in conjunction with equipment manuals and standard methods as specified below:</p> <p>SOPs BST.0126 &amp; BST.0109 by manual method using Biovue IAT poly-specific cassettes</p> <p>Biovue Enzyme in Neutral – SOP BST.0136</p> <p>SOP BST.0109 by manual method using Biovue IAT cassettes</p> <p>SOP BST.0139 by manual method using Biovue genotype cassettes</p> <p>SOP BST.0105 Kleihauer using Guest Medical acid elution kit</p>
END		