


# Schedule of Accreditation

Issued by

## United Kingdom Accreditation Service

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

 <p>Accredited to ISO 15189:2012</p>	<b>Lancashire Teaching Hospitals NHS Foundation Trust</b>	
	<b>Issue No: 002    Issue date: 10 July 2020</b>	
	<b>Department of Haematology</b> Royal Preston Hospital Sharoe Green Lane Fulwood Preston PRS 9HT United Kingdom	<b>Contact: Dr David Orr</b> <b>Tel: +44 (0) 1772 522100</b> <b>E-Mail: david.orr@lthtr.nhs.uk</b> <b>Website:</b>
<b>Testing performed by the Organisation at the locations specified below</b>		

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

#### Laboratory locations:

Location details		Activity	Location code
<b>Address</b> Department of Haematology Royal Preston Hospital Sharoe Green Lane Fulwood Preston PRS 9HT United Kingdom	<b>Local contact</b>  Amanda Southworth +44(0)1772 528125	Routine Haematology Routine Coagulation Specialist Coagulation Haemoglobinopathy Analysis Blood Grouping and Antibody Screen Blood and Blood Product Issue	<b>A</b>
<b>Address</b> Department of Haematology Chorley & South Ribble Hospital Preston Road Chorley PR7 7PP United Kingdom	<b>Local contact</b>  Amanda Southworth +44(0)1772 528125	Routine Haematology Routine Coagulation Blood Grouping and Antibody Screen Blood and Blood Product Issue	<b>B</b>

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

Location details	Activity	Location code
Department of Haematology Royal Preston Hospital Sharoe Green Lane Fulwood Preston PR2 9HT United Kingdom	Blood storage & issue Fridges managed by Haematology	A



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Location details	Activity	Location code
Department of Haematology Chorley & South Ribble Hospital Preston Road Chorley PR7 7PP United Kingdom	Blood storage & issue Fridges managed by Haematology	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>Haematological Examinations for the purpose of Clinical Diagnosis</u>	Procedures documented in manufacturer's equipment manuals in conjunction with documented in-house procedures by the following methods:	
Blood	Haematology examination activities for the purposes of clinical diagnosis using Full Blood Count Analysis (FBC) of the Following Parameters:  White Blood Cell (WBC) Count Red Blood Cell (RBC) Count Haemoglobin (Hb) Haematocrit (Hct) Mean Cell Volume (MCV) Mean Cell Haemoglobin (MCH) Mean Cell Haemoglobin Concentration (MCHC) Red Cell Distribution Width (RDWCV) Platelets Neutrophils Lymphocytes Monocytes Eosinophils Basophils Reticulocytes Nucleated red blood cell (NRBC) count	Sysmex XN9000 analyser by impedance spectrophotometry and fluorescent flow cytometry. Procedure SHA-228	A&B
Blood	Erythrocyte Sedimentation Rate (ESR)	Interrliner Visual detection of sedimentation interface by automated photometric detection Procedure SHA-34 (automated)	A



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HUMAN BODY FLUIDS	<u>Haematological Examinations for the purpose of Clinical Diagnosis (cont'd)</u>	Procedures documented in manufacturer's equipment manuals in conjunction with documented in-house procedures by the following methods:	
Bone Marrow	Demonstration of ferritin deposits	Perl's Prussian Blue staining – Examined by microscopy. Perl's Stain Kit (Atom Scientific) Procedure SHA-54	A
Blood	Microscopical identification of normal and abnormal morphologies including microscopical WBC differential count	Blood Film Preparation and Staining by:  Sysmex SP-10 Procedure SHA-55 (automated) Staining procedures using, Giemsa and May-Grunwald stains	A,B
		RAL Stainer Procedure SHA-55 (manual) Staining procedures using Giemsa and May-Grunwald stains	A,B
		Blood Film Reporting Procedure SHA-111	A
Blood	Detection of malarial parasites spp P. falciparum, P. vivax, P. malariae, P. ovale & P. Knowlesi	Apacor CareStart kit Procedures SHA-89 and film review using Fields stains A&B SHA-56	A



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HUMAN BODY FLUIDS	<u>Haematological Examinations for the purpose of Clinical Diagnosis (cont'd)</u>	Procedures documented in manufacturer's equipment manuals in conjunction with documented in- house procedures by the following methods:	
Blood	Infectious Mononucleosis screen (EBV) antibody	Clearview IM II immunoassay agglutination kit SHA-32	A
Blood	Sickle solubility test for presence of sickle haemoglobin (HbS)	Detection of decreased solubility of Haemoglobin S with TCS Biosciences SHA-61	A
Blood	Prothrombin Time (PT) Activated Partial Prothrombin Time (aPTT) International Normalised Ratio (INR) Fibrinogen Fibrin Degradation Product (FDP)	Sysmex CS5100i coagulation and chromogenic methods Procedure SHA-231	A
Blood	Prothrombin Time (PT) Activated Partial Prothrombin Time (aPTT) International Normalised Ratio (INR) Fibrinogen Fibrin Degradation Product (FDP)	Sysmex CS2500i coagulation and chromogenic methods Procedure SHA-233	B
Blood	Intrinsic Assays Factor XIII Factor IX Factor XI Factor XII	Sysmex CS5100i using Siemens factor deficient plasma using:  Procedure SHA-92	A
Blood	Extrinsic Assays Factor II Factor V Factor VII Factor X	Procedure SHA-86	A



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HUMAN BODY FLUIDS	<u>Haematological Examinations for the purpose of Clinical Diagnosis (cont'd)</u>	Procedures documented in manufacturer's equipment manuals in conjunction with documented in-house procedures by the following methods:  Sysmex CS5100i coagulation, chromogenic, immunoassay and aggregation assays using:	
Blood	Lupus Anticoagulant Assay Protein C Protein S Anti Thrombin	Procedure SHA-33 Procedure SHA-6 Procedure SHA-216 Procedure SHA-5	A
Blood	Von Willibrand Factor Antigen Von Willebrand Activity Assay Anti 10a assay Thrombin Time Clauss Fibrinogen Assay	Procedure SHA-8 Procedure SHA-220 Procedure SHA-4 Procedure SHA-91 Procedure SHA-3	A
Blood	Prothrombin Time (PT) Activated Partial Prothrombin Time (aPTT) International Normalised Ratio (INR)	Thrombostat SHA-234 Mechanical clot detection	A&B
Blood	Examination of Abnormal Haemoglobin	Menarini HA8160 (HPLC) Procedure SHA-84	A



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HUMAN BODY FLUIDS	<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:	
Blood	Blood Group and Antibody Screen	Diamed IH1000 using column agglutination Procedure STR-75 (Automated)	A & B
Blood	Blood Group	Immucor using tube agglutination Procedure STR-54 (Manual)	A & B
Blood	Identification of antibodies: D /C /E /c /e /C <sup>w</sup> /K /k /Kp <sup>a</sup> /Kp <sup>b</sup> /Js <sup>a</sup> /Js <sup>b</sup> / Fy <sup>a</sup> /Fy <sup>b</sup> /Jk <sup>a</sup> /Jk <sup>b</sup> /Le <sup>a</sup> /Le <sup>b</sup> /P <sub>1</sub> /M /N /S /s / Lu <sup>a</sup> /Lu <sup>b</sup> /Xg <sup>a</sup>	Diamed IAT and Enzyme panels and IH1000 using column agglutination Procedure STR-36 (Automated)  Or second panel, Immucor Panocell Procedure STR-72 (Manual)	A
Blood	Antigen phenotyping (D /C /E /c /e /K)	Diamed IH1000 using column agglutination Procedure STR-43 (Automated)	A
Blood	Antigen Phenotyping (C <sup>w</sup> /Fy <sup>a</sup> /Fy <sup>b</sup> /Jk <sup>a</sup> /Jk <sup>b</sup> /M /N /S /s)	Quotient using tube agglutination Procedure STR-44 Manual antisera card or tube method	A
Blood	Crossmatching of patient sample with donor units	Procedure STR-31 Diamed using column agglutination Manual Method using Diamed ID incubator and centrifuge	A & B
Blood	Ante Natal and Post Natal Screening for Blood Group and Antibody Screen	Diamed IH1000 using column agglutination Procedure STR-61	A



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HUMAN BODY FLUIDS	<u>Blood Transfusion Examinations to assist in Clinical Investigations</u> (cont'd)	Procedures documented in manufacturer's equipment manuals in conjunction with documented in- house procedures by the following methods:	
Blood	Kleihauer Test for detection of foetal haemoglobin	Clin Tech Kit using acid elution Procedure STR-22	A
Blood	Direct Coomb's Test for detection of IgG and C3d	Diamed cards using column agglutination Procedure STR-6	A&B
Blood	Monospecific DAT IgG - Complement C3d	Diamed cards using column agglutination Procedure STR-6	A&B
END			