

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>	Lancashire Teaching Hospitals NHS Foundation Trust	
	Issue No: 006 Issue date: 21 April 2023	
	Department of Haematology Royal Preston Hospital Sharoe Green Lane Fulwood Preston PR2 9HT United Kingdom	Contact: Dr Sharran Grey Tel: +44 (0)1253 957447 E-Mail: sharran.grey@nhs.net Website: https://www.lancsteachinghospitals.nhs.uk/pathology
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 Department of Haematology Royal Preston Hospital Sharoe Green Lane Fulwood Preston PR2 9HT United Kingdom	Local contact Amanda Southworth +44(0)1772 528125	Routine Haematology Routine Coagulation Specialist Coagulation Haemoglobinopathy Analysis Blood Grouping and Antibody Screen Blood and Blood Product Issue	A
Address Department of Haematology Chorley & South Ribble Hospital Preston Road Chorley PR7 7PP United Kingdom	Local contact Amanda Southworth +44(0)1772 528125	Routine Haematology Routine Coagulation Blood Grouping and Antibody Screen Blood and Blood Product Issue	B



8548

Accredited to
ISO 15189:2012

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

Lancashire Teaching Hospitals NHS Foundation Trust

Issue No: 006 Issue date: 21 April 2023

Testing performed by the Organisation at the locations specified

Site activities performed away from the locations listed above:

Location details	Activity	Location code
Department of Haematology Royal Preston Hospital <ul style="list-style-type: none">Pathology blood fridgeTheatre Blood fridge: Haemobank 80Sharoe Green Unit (SGU) Blood fridge: Haemobank 80	Blood storage & issue Fridges managed by Haematology	A
Department of Haematology Chorley & South Ribble Hospital <ul style="list-style-type: none">Pathology blood fridgeTheatre blood fridge: Haemobank 80	Blood storage & issue Fridges managed by Haematology	B



8548

Accredited to
ISO 15189:2012

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

Lancashire Teaching Hospitals NHS Foundation Trust

Issue No: 006 Issue date: 21 April 2023

Testing performed by the Organisation at the locations specified

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
Blood	Erythrocyte Sedimentation Rate (ESR)	Modified Westergren technique using automated photometric detection on ESR Stat6 – Haematechnologies Procedure SHA-247	A



8548

Accredited to
ISO 15189:2012

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

Lancashire Teaching Hospitals NHS Foundation Trust

Issue No: 006 Issue date: 21 April 2023

Testing performed by the Organisation at the locations specified

Materials/Products tested	Type of Test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY FLUIDS (cont'd)	<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
		RAL Stainer Procedure SHA-55 (manual) Staining procedures using Giemsa and May-Grunwald stains	A & B
	Detection of normal and abnormal morphologies	Automated interpretation using Cellavision DI-60 Procedure SHA-246	A
		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



8548

Accredited to
ISO 15189:2012

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

Lancashire Teaching Hospitals NHS Foundation Trust

Issue No: 006 Issue date: 21 April 2023

Testing performed by the Organisation at the locations specified

Materials/Products tested	Type of Test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY FLUIDS (cont'd)	<u>Haematological Examinations for the purpose of Clinical Diagnosis</u> (cont'd)	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	Prothrombin Time (PT) Activated Partial Prothrombin Time (aPTT) International Normalised Ratio (INR) Fibrinogen D-Dimer	Sysmex CS5100i coagulation and chromogenic methods Procedure SHA-231	A
Blood	Prothrombin Time (PT) Activated Partial Prothrombin Time (aPTT) International Normalised Ratio (INR) Fibrinogen D-Dimer	Sysmex CS2500i coagulation and chromogenic methods Procedure SHA-233 Sysmex CS5100i using Siemens factor deficient plasma using:	B
Blood	Specialist coagulation: Intrinsic Assays Factor VIII Factor IX Factor XI Factor XII	Procedure SHA-92	A
Blood	Specialist coagulation: Extrinsic Assays Factor II Factor V Factor VII Factor X	Procedure SHA-86	A



8548

Accredited to
ISO 15189:2012

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

Lancashire Teaching Hospitals NHS Foundation Trust

Issue No: 006 Issue date: 21 April 2023

Testing performed by the Organisation at the locations specified

Materials/Products tested	Type of Test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY FLUIDS (cont'd)	<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	Lupus Anticoagulant Assay	Siemens Assay Procedure SHA-33	A
	Protein C	Siemens Berichrom Assay Procedure SHA-6	A
	Protein S	Siemens Innovance Assay Procedure SHA-216	A
	Anti Thrombin	Siemens Berichrom Assay Procedure SHA-5	A
Blood	Von Willibrand Factor Antigen	Siemens assay Procedure SHA-8	A
	Von Willebrand Activity Assay	Siemens Innovance assay Procedure SHA-220	A
	Anti Xa assay	Siemens Biophen-Hyphen assay Procedure SHA-4	A
	Thrombin Time	Siemens Thromboclotin Procedure SHA-91	A
	Clauss Fibrinogen Assay	Siemens Berichrom assay 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



8548

Accredited to
ISO 15189:2012

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

Lancashire Teaching Hospitals NHS Foundation Trust

Issue No: 006 Issue date: 21 April 2023

Testing performed by the Organisation at the locations specified

Materials/Products tested	Type of Test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY FLUIDS (cont'd)	<u>Haematological Examinations for the purpose of Clinical Diagnosis</u> (cont'd)	Documented in-house methods to meet the requirements of the SCT screening programme as defined in the 27th July 2018 'NHS Sickle Cell and Thalassaemia Screening Programme: laboratory quality assurance evidence requirements'.	
Blood	Detection and quantification of HbA2 and HbF as part of β -thalassaemia screening	Column chromatography using Tosoh G11 Procedure SHA-84	A
Blood	Sickle solubility test for presence of sickle haemoglobin (HbS)	ClinTech Sickle Test kit detecting relative insolubility of HbS in buffer containing reducing agent Procedure SHA-61	A
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 ^w /K /k /Kp ^a /Kp ^b /Js ^a /Js ^b / Fy ^a /Fy ^b /Jk ^a /Jk ^b /Le ^a /Le ^b /P ₁ /M /N /S /s / Lu ^a /Lu ^b /Xg ^a	Diamed IAT and Enzyme panels and IH1000 using column agglutination Procedure STR-36 (Automated) Or second panel, Immucor Panocell Procedure STR-72 (Manual)	A



8548

Accredited to
ISO 15189:2012

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

Lancashire Teaching Hospitals NHS Foundation Trust

Issue No: 006 Issue date: 21 April 2023

Testing performed by the Organisation at the locations specified

Materials/Products tested	Type of Test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY FLUIDS (cont'd)	<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	Antigen phenotyping (D /C /E /c /e /K)	Diamed IH1000 using column agglutination Procedure STR-43 (Automated)	A
Blood	Antigen Phenotyping (C ^w /Fy ^a /Fy ^b /Jk ^a /Jk ^b /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
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			