


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <b>8149</b> <b>Accredited to ISO 15189:2012</b>	<b>University Hospital Southampton NHS Foundation Trust</b>	
	<b>Issue No: 010</b>	<b>Issue date: 18 April 2024</b>
	<b>Southampton General Hospital Pathology Department Tremona Road Southampton SO16 6YD United Kingdom</b>	<b>Contact: Rob Rowe Tel: +44 (0) 23 8120 6709 E-Mail: Rob.Rowe@uhs.nhs.uk Website: www.uhspathology.co.uk</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 & Blood Transfusion Southampton General Hospital Tremona Road Southampton SO16 6YD United Kingdom  <b>Local contact</b> <u>Haematology</u> Contact: Ian Howard Tel: +44 (0) 23 8120 6267 E-Mail: Ian.Howard@uhs.nhs.uk  <u>Blood Transfusion</u> Contact: Kerry Dowling Tel: +44 (0) 23 8120 6267 E-Mail: Kerry.Dowling@uhs.nhs.uk	Haematology Coagulation Blood Transfusion Blood Transfusion Issue Fridge	A

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

Location details	Activity	Location code
ED Department Southampton General Hospital Tremona Road Southampton SO16 6YD	Blood Issue Fridge No testing occurs on this site, blood storage only	
D Level Critical Care Lab Southampton General Hospital Tremona Road Southampton SO16 6YD	Blood Issue Fridge No testing occurs on this site, blood storage only	
E Level Theatres Southampton General Hospital Tremona Road Southampton SO16 6YD	Blood Issue Fridge No testing occurs on this site, blood storage only	
Location details	Activity	Location code



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F Level Theatres Southampton General Hospital Tremona Road Southampton SO16 6YD	Blood Issue Fridge No testing occurs on this site, blood storage only	
Theatres Princess Anne Hospital Coxford Road Southampton Hampshire SO16 5YA	Blood Issue Fridge No testing occurs on this site, blood storage only	
Analyser Room Lymington New Forest Hospital Southern Health Wellworthy Road Lymington Hampshire SO41 8QD	Blood Issue Fridge No testing occurs on this site, blood storage only	
Neuro Theatres Southampton General Hospital Tremona Road Southampton SO16 6YD	Blood Issue Fridge No testing occurs on this site, blood storage only	
G-Level Theatres Southampton General Hospital Tremona Road Southampton SO16 6YD	Blood Issue Fridge No testing occurs on this site, blood storage only	



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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 examination activities for the purposes of clinical diagnosis:</u>	In house documented procedures based on equipment manuals and standard methods as specified below:	
EDTA whole blood	Full Blood Counts and automated differential: Haemoglobin (Hb) White Blood count (WBC) Platelet count Red Blood count (RBC) Haematocrit (HCT) Mean Cell Volume (MCV) Mean Cell Haemoglobin (MCH) Mean Cell Haemoglobin Concentration (MCHC) Neutrophil Lymphocyte Monocyte Eosinophil Basophil Nucleated RBC Reitculocyte	Sysmex XN9000 Fluorescence flow cytometry, electrical impedance, SLS- haemoglobin method, RBC pulse height detection method sheath flow direct current (DC) detection method and calculated red cell parameters XN-Series: Processing FBC and Retic Samples SOPs HMXN1 to 13	A
EDTA whole blood	Blood Film: Detection of normal and abnormal morphologies and white blood cell differential  Blood Film: Detection of normal and abnormal morphologies	Manual slide preparation and: Interpretation using light microscopy SOPs HMMO 3.1, 3.2  Automated MGG Staining: Sysmex SP10 Using May-Grunwald / Giemsa stain (pH 6.8) SOP HMXN8  Manual MGG Staining: Using May-Grunwald / Giemsa stain (pH 6.8) SOP HMMO 4.1, 4.2, 4.3	A



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HUMAN BODY FLUIDS (cont'd)	<u>Haematology examination activities for the purposes of clinical diagnosis (cont'd)</u>	In house documented procedures (cont'd)	
EDTA whole blood	Erythrocyte sedimentation rate (ESR)	Automated SOPs HMM1 using StaRRsed Interliner AutoCompact ESR analyser Gravity Modified Westergren	A
EDTA plasma	Infectious Mononucleosis (IM) screening test to detect IM heterophile antibodies	SOP HMM3 Biosign Monolatest kit – latex agglutination Kit using direct solid-phase immunoassay technology	A
EDTA whole blood	Malaria positive blood film assessment (confirmatory test and provisional speciation)	SOP HMMO8.1 and HMMO8.2 using Digital and manual Microscope Using Giemsa stain (pH 7.2)	A
EDTA whole blood	Glucose-6-Phosphate Dehydrogenase (G6PD) screen	SOP HMSH2.2 using Trinity Biotech G6PD kit Fluorescent spot	A
EDTA whole blood	Sickle screens to detect presence of HbS (Neg / Pos)	Helena HbS solubility screening kit SOP HMSH 1.14	A
EDTA whole blood	Quantification of HbS (%)	BioRad Variant II HPLC SOP HMSH 1.14	
EDTA whole blood	Haemoglobinopathy screen, quantification of:  HbA2 HbF HbD HbE HbS	Documented in-house methods to meet the requirements of the SCT screening programme as defined in the 27th July 2018 'NHS Sickle Cell and Thalassemia Screening Programme: laboratory quality assurance evidence requirements'. SOP HMSH 1.2 using Tosoh G11HPLC and SOP HMSH1.3 using manual Helena electrophoresis system	A



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HUMAN BODY FLUIDS (cont'd)	<u>Haematology examination activities for the purposes of clinical diagnosis (cont'd)</u>	In house documented procedures (cont'd)	
Citrated plasma	<u>Coagulation</u> Activated Partial Thromboplastin Time (APTT) and Activated Partial Thromboplastin Time Ratio (APTR)	ACL TOP 700 in conjunction with: SOP - CORA :2.2 using light absorbance	A
Citrated plasma	D-Dimer	SOP - CORA :2.3 using turbidimetric immunoassay	A
Citrated plasma	Prothrombin Time and International normalised ratio (INR)	SOP - CORA :2.1 Quantitative technique using light absorbance changes	A
Citrated plasma	Factor II assay Factor V assay Factor VII assay Factor VIII assay Factor IX assay Factor X assay Factor XI assay Factor XII assay	SOP - COSP: 1.3 and 1.4 Quantitative technique using light absorbance changes	A
Citrated plasma	Inhibitor screen	SOP – COSP: 1.1 Quantitative technique using light absorbance changes	A
Citrated plasma	Lupus screen	SOP – COTH: 2.5 Quantitative technique using light absorbance changes	A
Citrated plasma	Thrombin time	SOP – COTH: 2.2 Quantitative technique using light absorbance changes	A
Citrated plasma	Heparin anti-Xa assay for LMWH, UFH, and direct oral anticoagulants (DOAC)	SOP COTH 1. 7 Chromogenic (Absorbance) Measurement	A
Citrated plasma	Antithrombin Activity	SOP COTH2.1 Chromogenic (Absorbance) Measurement	A



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HUMAN BODY FLUIDS (cont'd)	<u>Haematology examination activities for the purposes of clinical diagnosis (cont'd)</u>	In house documented procedures (cont'd)	
	<u>Coagulation (Cont'd)</u>	ACL TOP 700 (Cont'd):	
Citrated plasma	Von Willibrand antigen assay	SOP COVW1.1 Turbidimetric immunoassay	A
Citrated plasma	Protein C	SOP COTH 2.4 Chromogenic (Absorbance) Measurement	A
Citrated plasma	Protein S- Free antigen activity	SOP COTH 2.3 Using turbidometric immunoassay	A
Citrated plasma	ADAMTS13 Activity	Werfen AcuStar SOP COVW 2.0 Using Chemoluminescence Assay	A
Citrated Plasma	Collagen Binding Assay (von Willebrands Activity)	Werfen AcuStar SOP COVW 1.7 Using Chemoluminescence Assay	A
Citrated Plasma and Serum	HIT IgG (PF4-H)	Werfen AcuStar SOP COVW 3.0 Using Chemoluminescence Assay	A



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HUMAN BODY FLUIDS	<u>Blood transfusion examination activities for the purposes of clinical diagnosis</u>	In house documented procedures based on equipment manuals and standard methods as specified below:	
EDTA whole blood	Blood Group and red cell phenotype: <ul style="list-style-type: none"><li>• ABO Blood Groups (forward and reverse)</li><li>• ABO Blood Group (forward only)</li><li>• Rh Blood Group antigens (C, c, D, E, e)</li><li>• K Blood group antigen</li></ul>	<u>Automated</u> SOP BTMA 2.2 using Ortho Vision Swift Analyser and Ortho Biovue Column Agglutination Technology (CAT) microcolumn cards	A
EDTA whole blood	Blood Group- Abbreviated check group: <ul style="list-style-type: none"><li>• A, B, O</li><li>• Rh D</li></ul>	<u>Manual</u> SOP BTMA 2.1, 2.2, 2.3 using Ortho Biovue Column Agglutination Technology (CAT) microcolumn cards	A
		<u>Automated</u> SOP BTMA 2.2 using Ortho Vision Swift Analyser and Ortho Biovue Column Agglutination Technology (CAT) microcolumn cards	A
		<u>Manual</u> SOP BTMA 2.2 using Ortho Biovue Column Agglutination Technology (CAT) microcolumn cards	A



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HUMAN BODY FLUIDS (cont'd)	<u>Blood transfusion examination activities for the purposes of clinical diagnosis (cont'd)</u>	In house documented procedures (cont'd)	
EDTA whole blood	Extended Red Cell phenotype: <ul style="list-style-type: none"> <li>Fya, Fyb</li> <li>M,N,S,s</li> <li>Jka, Jkb</li> </ul>	<u>Automated</u> SOP BTMA 2.2 using Ortho Vision Swift Analyser and Ortho Biovue Column Agglutination Technology (CAT) microcolumn cards  <u>Manual</u> SOP BTMA 2.1, 2.2, 2.3 using Ortho Biovue Column Agglutination Technology (CAT) microcolumn cards	A  A
EDTA whole blood and plasma	Screening for antibodies to red cell antigens: <ul style="list-style-type: none"> <li>D, C, E, c, e, f, Cw, V, K, k, Kpa, Kpb, Jsa, Jsb, Fya, Fyb, Jka, Jkb, Xga, Lea, Leb, S, s, M, N, P1, Lua, Lub</li> </ul>	<u>Automated</u> SOP BTMA 3.1 using Ortho Vision Swift Analyser and Ortho Biovue Column Agglutination Technology (CAT) microcolumn cards  <u>Manual</u> SOP BTMA 3.1 using Ortho Biovue Column Agglutination Technology (CAT) microcolumn cards	A  A
EDTA whole blood and plasma	Identification of antibodies to red cell antigens: <ul style="list-style-type: none"> <li>D, C, E, c, e, f, Cw, V, K, k, Kpa, Kpb, Jsa, Jsb, Fya, Fyb, Jka, Jkb, Xga, Lea, Leb, S, s, M, N, P1, Lua, Lub</li> </ul>	<u>Automated</u> SOP BTMA 3.1 using Ortho Vision Swift Analyser and Ortho Biovue Column Agglutination Technology (CAT) microcolumn cards  <u>Manual</u> SOP BTMA 3.1 using Ortho Biovue Column Agglutination Technology (CAT) microcolumn cards	A  A





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EDTA plasma	Serological Crossmatching	<u>Automated</u> SOP BTXM 1.4 using Ortho Vision Swift Analyser and Ortho Biovue Column Agglutination Technology (CAT) microcolumn cards	A
		<u>Manual</u> SOP BXM 1.4 using Ortho Biovue Column Agglutination Technology (CAT) microcolumn cards	A
EDTA whole blood	Monospecific DAT	<u>Automated</u> SOP BTMA 5.2 using Ortho Vision Swift Analyser and Ortho Biovue Column Agglutination Technology (CAT) microcolumn cards	A
		<u>Manual</u> SOP BTMA 5.2 using Ortho Biovue Column Agglutination Technology (CAT) microcolumn cards	A
EDTA whole blood	Anti-A, -B titres	<u>Automated</u> SOP BTMA 6.1 using Ortho Vision Swift Analyser and Ortho Biovue Column Agglutination Technology (CAT) microcolumn cards	A
		<u>Manual</u> SOP BTMA 6.1 using Ortho Biovue Column Agglutination Technology (CAT) microcolumn cards	A
EDTA whole blood	Antibody screen for prophylactic anti-D	<u>Automated</u> SOP BTMA 3.2 using Ortho Vision Swift Analyser and Ortho Biovue Column Agglutination Technology (CAT) microcolumn cards	A
		<u>Manual</u> SOP BTMA 3.2 using Ortho Biovue Column Agglutination Technology (CAT) microcolumn cards	A



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Serum	Detection of antibodies related to Heparin induced Thrombocytopenia	Immucor HIT PF4 ELISA Microplate reader SOP BTMA 6.13	
END			