


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 UKAS MEDICAL 8819 Accredited to ISO 15189:2012	Guy's and St. Thomas' NHS Foundation Trust	
	Issue No: 004 Issue date: 17 March 2021	
	Department of Haematology Royal Brompton Hospital Sydney Street London SWP 6NP	Contact: Steve Owen Tel: +44 (0)330 128 8407 E-Mail: S.owen@rbht.nhs.uk Website: www.rbht.nhs.uk
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 Brompton Hospital Sydney Street London SW3 6NP	Local contact Steve Owen Tel: +44 (0)330 128 8407	Haematology Coagulation Blood Transfusion Blood Transfusion Issue Fridges located within laboratory, Adult ICU, theatres and paediatric ICU Issue of Blood and Blood Products
Address Department of Haematology Harefield Hospital Hill End road Harefield Uxbridge UB9 6JH	Local contact Steve Owen Tel: +44 (0)330 128 8407	Haematology Coagulation Blood Transfusion Blood Transfusion Issue Fridges located within laboratory and ITU/ theatres Issue of Blood and Blood Products



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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 as specified below:	<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:	
Whole Blood	Blood Full Blood Count (PCV, MCV, Hb, RBC, WBC, Hct, MCV, MCH, MCHC, RDW Platelets, Neutrophils, lymphocytes, monocytes, Eosinophils, Basophils and Nucleated RBCs)	Beckman Coulter DxH analysers using impedance principle for cell counting and sizing; volume, conductivity and light scatter (VCSn) for differential leucocyte count and measurement of absorbance of stable pigment for haemoglobin concentration. SOPHA00494	RBH HH
Whole blood	Nucleated RBCs and Reticulocyte Count	Beckman Coulter DxH using New Methylene Blue stain – SOPHA00494	RBH
Blood film prepared from whole blood specimen	Blood Film Examination for Assessment for cell typing and morphology including white blood cell differential for enumeration of cell types.	DxH Slidemaker/Stainer (RBH) Shandon Varistain 12 (HH) SOPHA00503 Preparation & staining of blood films SOPHA00474 Microscope use & maintenance.	RBH HH
Urine	Iron stain for Urine hemosiderin in the diagnosing of intravascular haemolysis.	Manual light microscopy of urine smears using manual Iron (Perl's stain) SOPHA00330	RBH
Whole Blood	ESR - Erythrocyte Sedimentation Rate	Sediplus S2000 Automated ESR analyser. Uses light detection and changes in absorbance between the plasma/red cell interface SOPHA00484	RBH



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HUMAN BODY FLUIDS as specified below: (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:	
Blood	Detection of variant haemoglobins HbA2, HbF & HbS quantitation	Biorad D-10 haemoglobin testing system using high performance liquid chromatography (HPLC) SOPHA00016	RBH HH
Blood	Sickle Cell Screen	ClinTech Sickle Test kit detecting relative insolubility of HbS in buffer containing reducing agent SOPHA00219	RBH HH
Plasma	Plasma Free Haemoglobin	HemoCue plasma/low Hb photometer using conversion of haemoglobin to azidemethaemoglobin followed by absorbance measurement SOPHA00271	RBH HH
Blood	Infectious mononucleosis screen	Clearview IM rapid diagnostic test kit One step immunoassay for detection of IgM heterophile antibody SOPHA00237	RBH



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HUMAN BODY FLUIDS as specified below: (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:	
Plasma (citratd)	<u>General Coagulation tests:</u> Prothrombin time (PT) and International Normalised Ratio (INR) Activated partial thromboplastin time (APTT) Fibrinogen assay Thrombin time (TT) D-dimer assay Heparin-induced thrombocytopenia (HIT) test Anti-Xa assay Antithrombin assay PT mix APTT mix	Instrumentation Laboratory ACL Top 500 coagulometers. Measurement principles include turbidometric clot endpoint detection, chromogenic assays and immunoturbidometric assays. SOPHA00429 Routine use of ACL TOP 500 SOPHA00037 Prothrombin time (PT) and International Normalised Ration (INR) SOPHA00104 Activated partial thromboplastin time (APTT) SOPHA00296 Fibrinogen assay SOPHA00106 Thrombin time (TT) SOPHA00040 D-dimer assay SOPHA00115 HIT screening Assay on the TOP500 SOPHA00533: Further investigation of HIT positive samples (ELISA method) RBH SOPHA00092 Anti-Xa assay SOPHA00137 Antithrombin assay SOPHA00037 PT mix SOPHA00104 APTT mix	RBH HH
Plasma (citratd)	HIT-Heparin Induced thrombocytopenia Von Willebrand collagen binding	Enzyme linked immunosorbent assays using TECAN Infinite F200Pro Plate Reader SOPHA00533 Further investigation of HIT positive samples (ELISA method) SOPHA00113 von Willebrand assays	RBH



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HUMAN BODY FLUIDS as specified below: (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:	
Plasma (citrated)	<u>Specialist Coagulation tests:</u> Protein C Free protein S DRV T (lupus anticoagulant) APCR vWf antigen vWf functional assay (Ristocetin cofactor) Plasminogen assay Factor assays: II, V, VII, VIII, IX, X, XI, XII Anti-Factor Xa Assay for Direct Xa Inhibitors	Instrumentation Laboratory ACL TOP 500 coagulometers. Measurement principles include turbidometric clot endpoint detection, chromogenic assays and immunoturbidometric assays. SOPHA00429 Routine use of ACLTOP 500 coagulometer SOPHA00111 Protein C SOPHA00112 Free protein S SOPHA00122 DRV T (lupus anticoagulant) SOPHA00042 APCR SOPHA00113 vWf antigen SOPHA00113 vWf functional assay (Ristocetin cofactor) SOPHA00229 Plasminogen assay SOPHA00129 (Factor Assays APTT) SOPHA00130 (Factor Assays PT) SOPHA00536 (Apixaban and Rivaroxaban assays) SOPHA00537 (Direct Thrombin Inhibitor assay (Dabigatran))	RBH



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HUMAN BODY FLUIDS as specified below: (cont'd)	<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:	
Blood	<u>Automated Blood Grouping</u> A, B, O and AB groups Rh groups, antigens:-;C, c, D, E, e, Kell blood group system, antigens: K Kidd blood group system, antigens: Jka Duffy blood group system, antigens: Fya MNS blood group system, antigens: S	BioRad iH500 using Diamed micro column cards SOP HA000538	RBH HH
Blood	Red Cell Antibody detection	using Diamed micro column cards and 3 cell panel	RBH HH
Blood	Direct antiglobulin test (DAT)	Poly specific and mono specific (anti-IgG and anti-C3d)cards	RBH HH
Blood	<u>Manual Blood Group/Phenotype</u> A, B, O and AB groups Rh groups, antigens:-;C, c, D, E, e, Kell blood group system, antigens: K Kidd blood group system, antigens: Jka Duffy blood group system, antigens: Fya MNS blood group system, antigens: S	Manual method using Diamed micro column cards (as back-up to automated method) SOPHA00176	RBH HH
Blood	Direct antiglobulin test (DAT) If positive, further tests against anti-IgG and anti-C3d	Screening test using polyspecific reagent- Manual method using Diamed micro column cards SOPHA00527	RBH HH



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HUMAN BODY FLUIDS as specified below: (cont'd)	<u>Blood Transfusion 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:	
Blood	Red Cell Antibody Identification: Indirect antiglobulin test (IAT) panel Enzyme panel	Diamed Gel station using micro column cards (RBH) Manual method using Diamed micro column cards (RBH, HH) SOPHA00172	RBH HH (manual only)
Blood	/Crossmatching Indirect antiglobulin test (IAT) crossmatch Immediate spin crossmatch Emergency issue Saline 37 degree centigrade crossmatch (RBH only)	IAT crossmatch carried out by manual method using Diamed microcolumn cards. Immediate spin crossmatch carried out by manual direct agglutination technique. SOPHA00164 Emergency issue (RBH) SOPHA00128 Crossmatching & red cell issue (HH) SOPHA00380 Emergency issue (HH) SOPHA00164 cross-site procedure	RBH HH
Blood	Elution of red cell antibodies	DiaMed Column Agglutination Technology qualitative analysis SOPHA00189	RBH
END			