


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>UKAS MEDICAL</p> <p>8784</p> <p>Accredited to ISO 15189:2012</p>	University Hospitals Birmingham NHS Foundation Trust	
	Issue No: 012 Issue date: 06 September 2021	
	Queen Elizabeth Hospital Birmingham Haematology and Transfusion Department Mindelsohn Way Edgbaston Birmingham B15 2WB	Contact: Jennie Davis Haematology Laboratory Manager Tel: 0121 3715961 Internal: 15961 Email: jennifer.davis2@uhb.nhs.uk Web: http://www.uhb.nhs.uk
Testing performed at the above address only		

Additional site activities performed at main location listed above:

Location details	Activity
ED RESUS AREA LEVEL 1 Queen Elizabeth Hospital Birmingham B15 2WB	Local Contact Jennie Davis Satellite Blood Issue Fridge for storage of blood
CRITICAL CARE D LEVEL 2 Queen Elizabeth Hospital Birmingham B15 2WB	Local Contact Jennie Davis Satellite Blood Issue Fridge for storage of blood
CRITICAL CARE A LEVEL 2 Queen Elizabeth Hospital Birmingham B15 2WB	Local Contact Jennie Davis Satellite Blood Issue Fridge for storage of blood
MAIN THEATRE LEVEL 2 Queen Elizabeth Hospital Birmingham B15 2WB	Local Contact Jennie Davis Satellite Blood Issue Fridge for storage of blood
CARDIAC THEATRE LEVEL 2 Queen Elizabeth Hospital Birmingham B15 2WB	Local Contact Jennie Davis Satellite Blood Issue Fridge for storage of blood
EBDU LEVEL 0 Heritage Building Queen Elizabeth Hospital Birmingham, B15 2WB	Local Contact Jennie Davis Satellite Blood Issue Fridge for storage of blood
WARD 625 LEVEL 6 Queen Elizabeth Hospital Birmingham B15 2WB	Local Contact Jennie Davis Satellite Blood Issue Fridge for storage of blood



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Location details	Activity
Welcome Theatre 2 nd Floor AMB Care Level 0 Queen Elizabeth Hospital Birmingham B15 2WB Local Contact Jennie Davis	Satellite Blood Issue Fridge for storage of blood
Interventional Radiology Queen Elizabeth Hospital Birmingham B15 2WB Local Contact Jennie Davis	Satellite Blood Issue Fridge for storage of blood
Centre For Clinical Haematology Queen Elizabeth Hospital Birmingham B15 2WB Local Contact Jennie Davis	Satellite Blood Issue Fridge for storage of blood
Cardiac Theatre Level 2 Emergency Theatre Level 2 Queen Elizabeth Hospital Birmingham B15 2WB Local Contact Jennie Davis	Satellite Blood Issue Fridge for storage of blood

Site activities performed away from the main laboratory location listed above:

Location details	Activity
Royal Orthopaedic Hospital Birmingham B31 2AP Local Contact Jennie Davis	Satellite blood issue fridge for storage of blood



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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 FLUIDS	<u>Haematology examination activities for the purposes of clinical diagnosis:</u>	Documented In-house methods incorporating manufacturers' instructions where relevant:
Venous whole blood: EDTA	Full Blood Count Includes the following parameters: Haemoglobin (HGB) Red Blood Cell Count (RBC) White Blood Cell Count (WBC) Platelet Count (PLT) Haematocrit (HCT) Red Cell Distribution Width(RDW) Platelet distribution width (PDW) Immature Platelet Fraction (IPF) Mean Platelet Volume(MPV) 5 part differential Neut,Lymph, Mono, Eos, Baso (DIFF) Nucleated Red Blood Count (NRBC) Mean Cell Haemoglobin (MCH) Mean Cell Volume (MCV) Mean Cell Haemoglobin Concentration (MCHC) Reticulocyte count(RETIC) Reticulocyte Haemoglobin(RETIC HB) Immature Reticulocyte Fraction (IRF) %Hypo	Sysmex XN9100 track includes Analysers XN10 XN20 Fluorescence flow cytometry using a semiconductor laser. Hydro dynamic focusing and impedance testing. Colourimetric Hb detector based on a sodium lauryl sulphate method. HAE.S004
Venous whole blood: EDTA	Blood Film analysis for confirmation of FBC results; manual differential if applicable, white, red and platelet number assessment and morphology.	Sysmex Analyser SP50 Slide maker and stainer using. May Grunwald and Giemsa stain HAE.S006
Venous whole blood: EDTA	Erythrocyte Sedimentation Rate	Sysmex Analyser Interrliner Westergren method absorption of infra red light HAE.S008
Venous whole blood: EDTA	Haemoglobin S detection (HbS)	Sicklelex Haemoglobin S screening Kit Solubility test HRA_S092
Venous whole blood: EDTA	Malarial antigens for: Plasmodium falciparum and pan-detection for: Plasmodium malariae, Plasmodium ovale & Plasmodium vivax	Rapydtest Carestart kit. Antigen detection. HRA_S086



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HUMAN BODY FLUIDS (cont'd)	<u>Haematology examination activities for the purposes of clinical diagnosis (cont'd):</u>	Documented In-house methods incorporating manufacturers' instructions where relevant:
Venous whole blood: EDTA	Malaria Parasite detection and speciation P. falciparum P. ovale P. vivax P. malariae	Microscopic analysis: Manual slide making and staining by thin film. HRA_S014
Venous whole blood: EDTA	Glandular Fever Screen – detection of infectious mononucleosis heterophile antibodies	Accusay , immunoassay HRA_S013
Venous whole blood: EDTA	HbA1c	TOSOH G11 HPLC HAE.S003
	<u>Coagulation examination activities for the purposes of clinical diagnosis:</u>	
Venous Blood: Citrated	PTT, aPTT with 50% NP	ACL TOP 550: Turbidimetric clot detection measurement. HAE.S002
Venous Blood: Citrated	Prothrombin (Factor II), Factor V, VII, VIII, IX, X, XI, XII F.VIII pre treatment, post treatment F.IX pre treatment, post treatment	Turbidimetric clot detection measurement. HHH_S074
Venous Blood: Citrated	Fibrinogen	Turbidimetric clot detection measurement. HAE.S002
Venous Blood: Citrated	F.VIII inhibitor (H)	Turbidimetric clot detection measurement. HHH_S004
Venous Blood: Citrated	INR PT PT with 50% NP	Turbidimetric clot detection measurement. HAE.S002
Venous Blood: Citrated	Inhibitor Screen	Turbidimetric clot detection measurement. HHH_S084
Venous Blood: Citrated	Lupus Anticoagulant	Turbidimetric clot detection measurement. HHH_S069
Venous Blood: Citrated	Antithrombin function	Chromogenic measurement. HHH_S092



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HUMAN BODY FLUIDS (cont'd)	<u>Coagulation examination activities for the purposes of clinical diagnosis</u> (cont'd):	ACL TOP 550 (cont'd):
Venous Blood: Citrated	Factor VIII	Documented In-house methods incorporating manufacturers' instructions where relevant: Chromogenic measurement HHH_S094
Venous Blood: Citrated	Protein C function	Chromogenic measurement. HHH_S092
Venous Blood: Citrated	Free Protein S antigen	Latex particle immunoturbidimetric measurement. HHH_S092
Venous Blood: Citrated	D-Dimer	Immunological measurement. HAE.S002
Venous Blood: Citrated	Thrombin Time	Turbidimetric clot detection measurement. HAE.S002
Venous Blood: Citrated	VWF:Ristocetin Cofactor Activity pre treatment, post treatment	Latex particle immunoturbidimetric measurement. HHH_S093
Venous Blood: Citrated	VWF:Ag Antigen pre treatment, post treatment	Latex particle immunoturbidimetric measurement. HHH_S093
Venous Blood: Citrated	Anti-Xa: Unfractionated Heparin(UFH) Low Molecular Weight Heparin(LMWH) Rivaroxaban Apixaban Fondaparinux (Arixtra)	ACL TOP 550 Chromogenic measurement: HHH_S086
Venous Blood: Citrated	Prothrombin Time: PT Activated Partial Thromboplastin Time: APTT	Stago Start Max Mechanical clot detection HAE.S013
Venous Blood: Citrated	VWF Collagen Binding	Manual Method: ELISA HHH_S087



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HUMAN BODY FLUIDS (cont'd)	<u>Coagulation examination activities for the purposes of clinical diagnosis (cont'd):</u>	
Venous Blood: Serum	Heparin Induced Thrombocytopenia screening (HIT)	Manual Method: ELISA HHH_S085
Venous Blood: Citrated	ADAMTS_13 activity ADAMTS_13 inhibitor	Manual Method: ELISA HHH_S088 Manual Method: ELISA HHH_S089
	<u>Transfusion examination activities for the purposes of clinical diagnosis:</u>	Documented In-house methods incorporating manufacturers' instructions where relevant:
Venous Blood; red cells	ABO Blood Group, Rhesus typing and antibody screen – automated Detection of antigens ABO and RhD groups Screening of antibodies Anti-D, C, E, c, e, Cw, K, k, Kp(a), Kp(b), Fy(a), Fy(b), Jk(a), Jk(b), Le(a), Le(b), P1, M, N, S, s, Lu(a) and Lu(b).	IBG Neo Analyser. Capture antibody detection system and micro titre liquid phase grouping plate technology HBB_S119
Venous Blood; red cells	ABO Blood Group, Rhesus typing and antibody screen – automated Detection of antigens ABO and RhD groups Screening of antibodies anti-D, C, E, c, e, Cw, K, k, Kp(a), Kp(b), Fy(a), Fy(b), Jk(a), Jk(b), Le(a), Le(b), P1, M, N, S, s, Lu(a) and Lu(b).	Bio-rad system. Column agglutination technology: HBB_S129
Venous Blood; plasma	Enzyme panel, Indirect Antiglobulin Test panel Identification of antibodies: Anti-D, C, E, c, e, Cw, K, k, Kp(a), Kp(b), Fy(a), Fy(b), Jk(a), Jk(b), Le(a), Le(b), P1, M, N, S, s, Lu(a) and Lu(b).	HBB_S131
Venous Blood; plasma	Phenotype of antigens	HBB_S134



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HUMAN BODY FLUIDS (cont'd)	<u>Transfusion examination activities for the purposes of clinical diagnosis (cont'd):</u>	
Venous Blood; red cells	Direct Antiglobulin Test	HBB_S133
Venous Blood; red cells	Crossmatch Compatibility testing between donor red cell antigens and patient plasma antibodies.	Manual Tube Quick Spin Crossmatch HBB_S034 BIO-RAD Manual Crossmatch HBB_S130
Venous Blood: Red Cells	Rapid group forward group with anti-A, anti-B and anti-D	Manual technique tube agglutination HBB_S008
END		