


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>UKAS MEDICAL 8784</p> <p>Accredited to ISO 15189:2012</p>	University Hospitals Birmingham NHS Foundation Trust	
	Issue No: 016 Issue date: 03 September 2024	
	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 by the Organisation at the locations specified		

Laboratory Locations:

Location details	Activity	Location code
Address Queen Elizabeth Hospital(QEH) Mindelsohn Way Edgbaston Birmingham B15 2WB	Local contact Jennie Davis	Haematology Transfusion Blood Issue Fridge
Address Birmingham Heartlands Hospital(BHH) Bordesley Green Road Bordesley Green East Birmingham B9 5SS	Local contact Louise Fallon Tel: +44 (0)121 424 1235	Haematology Transfusion Blood Issue Fridge
Address Good Hope Hospital(GHH) Rectory Rd, Sutton Coldfield, B75 7RR	Local contact Louise Fallon Tel: +44 (0)121 424 1235	Haematology Transfusion Blood Issue Fridge
Address Solihull Hospital(SH) Lode Lane Solihull B91 2JL	Local contact Louise Fallon Tel: +44 (0)121 424 1235	Haematology Transfusion Blood Issue Fridge



8784

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

University Hospitals Birmingham NHS Foundation Trust

Issue No: 016 Issue date: 03 September 2024

Testing performed by the Organisation at the locations specific

Location details	Activity	Location Code
ED RESUS AREA LEVEL 1 Queen Elizabeth Hospital Birmingham B15 2WB Local Contact Jennie Davis	Satellite Blood Issue Fridge for storage of blood	A
CRITICAL CARE A LEVEL 2 Queen Elizabeth Hospital Birmingham B15 2WB Local Contact Jennie Davis	Satellite Blood Issue Fridge for storage of blood	A
LIVER THEATRE LEVEL 2 Queen Elizabeth Hospital Birmingham B15 2WB Local Contact Jennie Davis	Satellite Blood Issue Fridge for storage of blood	A
Interventional Radiology Queen Elizabeth Hospital Birmingham B15 2WB Local Contact Jennie Davis	Satellite Blood Issue Fridge for storage of blood	A
Centre For Clinical Haematology Queen Elizabeth Hospital Birmingham B15 2WB Local Contact Jennie Davis	Satellite Blood Issue Fridge for storage of blood	A
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	A
Main Theatres, Birmingham Heartlands Hospital Bordesley Green Road Bordesley Green East Birmingham B9 5SS Local contact Louise Fallon Tel: +44 (0)121 424 1235	Satellite Blood Issue Fridge for storage of blood	B
Maternity Delivery Unit, Birmingham Heartlands Hospital Bordesley Green Road Bordesley Green East Birmingham B9 5SS Local contact Louise Fallon Tel: +44 (0)121 424 1235	Satellite Blood Issue Fridge for storage of blood	B



8784

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

University Hospitals Birmingham NHS Foundation Trust

Issue No: 016 Issue date: 03 September 2024

Testing performed by the Organisation at the locations specific

Location details	Activity	Location Code
Clinical Haematology Unit, Good Hope Hospital Rectory Rd, Sutton Coldfield, B75 7RR Local contact Louise Fallon Tel: +44 (0)121 424 1235	Satellite Blood Issue Fridge for storage of blood	C
Main Theatres, Good Hope Hospital Rectory Rd, Sutton Coldfield, West Midlands B75 7RR Local contact Louise Fallon Tel: +44 (0)121 424 1235	Satellite Blood Issue Fridge for storage of blood	C
Address Maternity Delivery Unit, Good Hope Hospital Rectory Rd, Sutton Coldfield, B75 7RR Local contact Louise Fallon Tel: +44 (0)121 424 1235	Satellite Blood Issue Fridge for storage of blood	C

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



8784

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

University Hospitals Birmingham NHS Foundation Trust

Issue No: 016 Issue date: 03 September 2024

Testing performed by the Organisation at the locations specific

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>	Documented In-house methods incorporating manufacturers' instructions where relevant:	
Venous 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) (A only) 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 (A, B), XN2000 (C), and XN1000 (D) 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 (A) HA.S602 (B, C, D) HA.S601 (B, C, D)	A, B, C, D
Venous Blood: EDTA	Blood Film preparation 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 (A)	A, B



8784

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

University Hospitals Birmingham NHS Foundation Trust

Issue No: 016 Issue date: 03 September 2024

Testing performed by the Organisation at the locations specific

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>	Documented In-house methods incorporating manufacturers' instructions where relevant:	
Venous Blood: EDTA	Blood Film – Analysis for confirmation of FBC results, manual differential if applicable, white, red and platelet number assessment and morphology	Documented in-house visual examination method using staining followed by microscopy: Manual HA.S610 (B,C)	B, C
Venous Blood: EDTA	Blood Film - preparation for confirmation of FBC results, manual differential if applicable, white, red and platelet number assessment and morphology	Documented in-house visual examination method using staining followed by microscopy, Automated RAL Stainer HA.S072 (B,C,D)	A, B, C, D
Venous blood: EDTA	Erythrocyte Sedimentation Rate	Sysmex Analyser Interrliner Westergren method absorption of infra red light HAE.S008 (A) Interrliner on XN9100 track and standalone autocompact HA.S999 (B)	A B
Venous blood: EDTA	Malarial antigens for: Plasmodium falciparum and pan-detection for: Plasmodium malariae, Plasmodium ovale & Plasmodium vivax	Rapydtest Apacor CareUS kit. Antigen detection. HAE.S020	B, C, D
Venous whole blood: EDTA	Malarial antigens for: Plasmodium falciparum and pan-detection for: Plasmodium malariae, Plasmodium ovale & Plasmodium vivax	Rapydtest CareUS Kit – Antigen Detection HAE.S020	A
Venous blood: EDTA	<i>Malaria Parasite detection and speciation</i> <i>P. falciparum</i> <i>P. ovale</i> <i>P. vivax</i> <i>P. malariae</i> <i>P. knowlesi</i>	Microscopic analysis: Manual slide making and staining by thin film. HAE.S028 (A) HA.S605 (B, C, D)	A, B, C, D



8784

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

University Hospitals Birmingham NHS Foundation Trust

Issue No: 016 Issue date: 03 September 2024

Testing performed by the Organisation at the locations specific

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>	Documented In-house methods incorporating manufacturers' instructions where relevant:	
Venous Blood: EDTA	Glandular Fever Screen – detection of infectious mononucleosis heterophile antibodies	Accusay, immunoassay HAE.S027 (A) HA.S540 (B, C, D)	A, B, C, D
Venous Blood: EDTA	Plasma viscosity	Documented in-house method for Capillary resistance, Benson BV1 analyser: HA.S028 Documented in-house methods to meet the requirements of the Sickle cell and thalassaemia (SCT) screening programme as defined in the laboratory QA evidence requirements	B
Venous Blood: EDTA	Sickle solubility test for presence of sickle haemoglobin (HbS)	Streck Sickledex Haemoglobin S Screening Kit Solubility Test HAE.S019	A, B, C
Venous Blood: EDTA	Haemoglobinopathy screen to confirm or exclude presence of haemoglobin variant and / or thalassaemia	TOSOH G11 HPLC analyser HAE.S017	B
Venous Blood: EDTA	Hb variant confirmation	Sebia Capillary Electrophoresis: HA.S901	B
Venous Blood: EDTA	HbA1c	Documented In-house Methods and Manufacturer's instructions for TOSOH G11 HPLC Analyser HAE.S003 (A) HA.S2001 (B)	A, B
Venous Blood: EDTA	G6PD (Quantitative) assay	Abbott Alinity using Pointe Scientific kit to HA.S931	B



8784

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

University Hospitals Birmingham NHS Foundation Trust

Issue No: 016 Issue date: 03 September 2024

Testing performed by the Organisation at the locations specific

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>	Documented In-house Methods and Manufacturer's instructions for Navios Flow Cytometer:	
Venous Blood: EDTA	Feto Maternal Haemorrhage	HA.S152	B
Venous Blood: EDTA	Paroxysmal Nocturnal Haemoglobinuria	HA.S063	B
	<u>Coagulation examination activities for the purposes of clinical diagnosis:</u>	Documented In-house Methods and Manufacturer's instructions for Instrumentation Laboratory ACL TOP550 (A,B)/ TOP350 (C,D):	
Venous Blood: Citrated	PTT, aPTT PTT, aPTT with 50% NP	Turbidimetric clot detection measurement. HAE.S002	A, B, C, D A, B
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. HAE.S039	A, B
Venous Blood: Citrated	Fibrinogen	Turbidimetric clot detection measurement. HAE.S002	A, B, C, D
Venous Blood: Citrated	F.VIII inhibitor (H)	Turbidimetric clot detection measurement. HAE.S022	A
Venous Blood: Citrated	INR PT PT with 50% NP	Turbidimetric clot detection measurement. HAE.S002	A, B, C, D
Venous Blood: Citrated	Inhibitor Screen	Turbidimetric clot detection measurement. HAE.S095	A
Venous Blood: Citrated	Porcine FVII Inhibitor Assay	Turbidimetric Clot Detection HAE.S024	A
Venous Blood: Citrated	Emicizumab Assay	Turbidimetric Clot Detection HAE.S023	A



8784

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

University Hospitals Birmingham NHS Foundation Trust

Issue No: 016 Issue date: 03 September 2024

Testing performed by the Organisation at the locations specific

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>	Documented In-house Methods and Manufacturer's instructions for Navios Flow Cytometer:	
Venous Blood: Citrated	Lupus Anticoagulant	Turbidimetric clot detection measurement. HAE.S094	A, B
Venous Blood: Citrated	Antithrombin function	Chromogenic measurement. HAE.S014	A
Venous Blood: Citrated	Factor VIII	Chromogenic measurement HAE.S044	A
Venous Blood: Citrated	Protein C function	Chromogenic measurement. HAE.S014	A
Venous Blood: Citrated	Free Protein S antigen	Latex particle immunoturbidimetric measurement. HAE.S014	A
Venous Blood: Citrated	D-Dimer	Immunological measurement. HAE.S002	A, B, C, D
Venous Blood: Citrated	Thrombin Time	Turbidimetric clot detection measurement. HAE.S002	A
Venous Blood: Citrated	VWF:Ristocetin Cofactor Activity pre treatment, post treatment	Latex particle immunoturbidimetric measurement. HAE.S045	A, B
Venous Blood: Citrated	VWF:Ag Antigen pre treatment, post treatment	Latex particle immunoturbidimetric measurement. HAE.S045 Acustar Analyser using Chemiluminescent Technology	A
Venous Blood: Citrated	ADAMTS 13 Activity	HAE.S034	A
	Heparin Induced Thrombocytopenia (HIT)	HAE.S034	A
	Collagen Binding Assay (CBA)	HAE.S034	A



8784
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

University Hospitals Birmingham NHS Foundation Trust
Issue No: 016 Issue date: 03 September 2024

Testing performed by the Organisation at the locations specific

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY FLUIDS	<u>Coagulation examination activities for the purposes of clinical diagnosis:</u>	Documented In-house Methods and Manufacturer's instructions for Instrumentation Laboratory ACL TOP550 (A,B)/ TOP350 (C,D):	
Venous Blood: Citrated	Anti-Xa: Unfractionated Heparin(UFH) (A only) Low Molecular Weight Heparin(LMWH) (A only) Rivaroxaban (A) Apixaban (A) Fondaparinux (Arixtra) (A Only) Edoxaban (B only)	Chromogenic measurement: HAE.S043	A, B
Venous Blood: Citrated	Prothrombin Time: PT Activated Partial Thromboplastin Time: APTT	Stago Start Max Mechanical clot detection HAE.S013	A
Venous Blood: Citrated	ADAMTS_13 activity	Manual Method: ELISA HAE.S036 (A)	A
	ADAMTS_13 inhibitor	Manual Method: ELISA HAE.S037 (A)	
HUMAN BODY FLUIDS	<u>Molecular (Haematology) examination activities for the purposes of clinical diagnosis:</u>	Documented In-house Methods and Manufacturer's instructions for	
Whole Blood	Factor V Leiden (FVL) Prothrombin gene (G20210A)	Taqman (PCR – Allelic discrimination methods): HA.S502	B



8784

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

University Hospitals Birmingham NHS Foundation Trust

Issue No: 016 Issue date: 03 September 2024

Testing performed by the Organisation at the locations specific

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY FLUIDS	<u>Transfusion examination activities for the purposes of clinical diagnosis:</u>	Documented In-house methods incorporating manufacturers' instructions where relevant:	
Venous Blood; EDTA 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).	Automated IBG Neo Analyser. Capture antibody detection system and micro titre liquid phase grouping plate technology HBB_S119	A
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).	Documented In-house Methods and Manufacturer's instructions for Bio-rad system. Column agglutination technology: HBB_S129	A
Venous Blood; EDTA 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	A
Venous Blood EDTA; Plasma	Phenotype of antigens	HBB_S134	A
Venous Blood EDTA; Red cells	Direct Antiglobulin Test	HBB_S133	A



8784

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

University Hospitals Birmingham NHS Foundation Trust

Issue No: 016 Issue date: 03 September 2024

Testing performed by the Organisation at the locations specific

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY FLUIDS	<u>Transfusion examination activities for the purposes of clinical diagnosis:</u>	Documented In-house Methods and Manufacturer's instructions for Bio-rad system. Column agglutination technology:	
Venous Blood; EDTA Red cells	Crossmatch Compatibility testing between donor red cell antigens and patient plasma antibodies.	Manual Tube Quick Spin Crossmatch HBB_S034 Manual Crossmatch HBB_S130	A
Venous Blood: EDTA Red Cells	Rapid group forward group with anti-A, anti-B and anti-D	Manual technique tube agglutination HBB_S008 Automated Grifols analysers, Eyrtra and Erytra Eflexis. Compatibility testing using LISS/Coombs gel column agglutination and centrifugation	A
Venous Blood; Plasma	Crossmatch - serological compatibility testing between donor red cell antigens and patient plasma antibody	BB.S119 Automated and Manual techniques	B,C,D
Venous Blood; Plasma	Antibody Screening: Screening of 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).	BB.S205 Antenatal BB.S201	B,C,D
Venous Blood: EDTA	Red Cell Phenotyping	BB.S109	B,C,D
Venous Blood: EDTA Red Cells	Direct Antiglobulin Test	BB.S111	B,C,D
Venous Blood: EDTA	Detection and Estimation of Foetal Maternal Haemorrhage	Visual method to BB.S112	B,C



8784

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

University Hospitals Birmingham NHS Foundation Trust

Issue No: 016 Issue date: 03 September 2024

Testing performed by the Organisation at the locations specific

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY FLUIDS	<u>Transfusion examination activities for the purposes of clinical diagnosis:</u>	Documented In-house Methods and Manufacturer's instructions for Bio-rad system. Column agglutination technology:	
Venous Blood: EDTA	ABO/RhD Blood Group	Automated Grifols analysers, Eyrtra and Erytra Eflexis. ABO/D Forward + Reverse Grouping by Gel column agglutination and centrifugation BB.S205	B,C,D
Venous Blood: EDTA	ABO/RhD Blood Group	Manual Cards and tubes: BB.S105	B,C,D
Venous Blood; Plasma	Identification of Red Cell 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).	BB.S108	B,C,D
END			