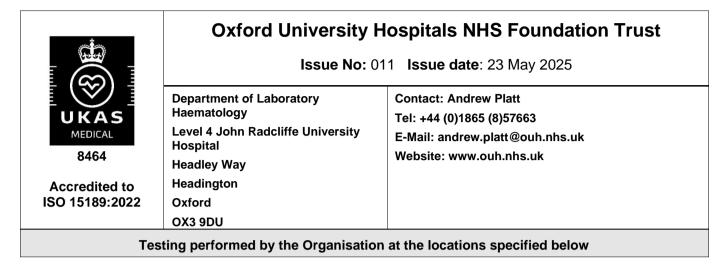
# **Schedule of Accreditation**

issued by

**United Kingdom Accreditation Service** 

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



### Locations covered by the organisation and their relevant activities

#### Laboratory locations:

Location details		Activity	Location code
Level 4 John Radcliffe University Hospital Headley Way Headington Oxford OX3 9DU	Local contact: Mr Andrew Platt (01865 857663)	<ul> <li>Routine haematology</li> <li>Routine Coagulation</li> <li>Blood Grouping and antibody screen</li> <li>Blood &amp; blood product issue</li> <li>Immunophenotyping by flow analysis</li> <li>Haemoglobinopathy analysis</li> </ul>	JRH
Horton Hospital Oxford Road Banbury OX16 9AL	Haematology: Mrs Ranvir Thiara (01865 857663) Blood Transfusion: Miss J Staves (01865 220334)	<ul> <li>Routine haematology</li> <li>Routine Coagulation</li> <li>Blood Grouping and antibody screen</li> <li>Blood &amp; blood product issue</li> </ul>	нн
Churchill Hospital Laboratory Medicine Old Road Headington Oxford OX3 7LE	Mr P Baker (01865 857096)	<ul> <li>Routine FBC analysis</li> <li>Routine Coagulation</li> <li>Blood &amp; blood product issue</li> </ul>	CHLM
Oxford Haemophilia and Thrombosis Centre Nuffield Orthopaedic Centre, Windmill Road, Headington Oxford OX3 7HE	Mr P Baker (01865 857096)	<ul> <li>Routine Coagulation</li> <li>Factor Assay analysis</li> <li>Haemostatic investigations</li> <li>Thrombophilia investigations</li> </ul>	ОНТС

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

Location details	Activity
Churchill Hospital Porters Lodge Old Road Headington Oxford OX3 7LE	Blood storage & issue Fridge managed by Haematology
Delivery Suite John Radcliffe Hospital Headley Way Oxford OX3 9DU	Blood storage & issue only Fridge managed by Haematology
West Wing Theatres Level 1 John Radcliffe Hospital Headley Way Oxford OX3 9DU	Blood storage & issue only Fridge managed by Haematology
John Radcliffe Theatres John Radcliffe Hospital Headley Way Oxford OX3 9DU	Blood storage & issue only Fridge managed by Haematology
Cardio Thoracic Critical Care John Radcliffe Hospital Headley Way Oxford OX3 9DU	Blood storage & issue only Fridge managed by Haematology
Churchill Theatres Level 1 Old Road Headington Oxford OX3 7LE	Blood storage & issue only Fridge managed by Haematology

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Location details		Activity
Day Treatment Unit Level 1		Blood storage & issue only Fridge managed by Haematology

Day Treatment Unit Level 1 Churchill Hospital Old Road Headington Oxford OX3 7LE	Blood storage & issue only Fridge managed by Haematology
Haematology Ward Level 1 Churchill Hospital Old Road Headington Oxford OX3 7LE	Blood storage & issue only Fridge managed by Haematology
Theatres Nuffield Orthopaedic Centre Windmill Road Headington Oxford OX3 7HE	Blood storage & issue only Fridge managed by Haematology
The Foscote Hospital 2 Foscote Rise Banbury OX16 9XP	Blood storage & issue only Fridge monitored by Haematology
Treatment Centre Oxford Road, Banbury OX16 7FG	Blood storage & issue only Fridge monitored by Haematology

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	DETAIL OF ACCREI	DITATION	
Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY FLUIDS	Blood Transfusion examinations to assist in clinical investigations	Procedures documented in manufacturer's equipment manuals in conjunction with documented in- house procedures by the following methods:	
Blood Plasma	Blood Group by detection and identification of antigens: A Rh D Positive AB Rh D Positive B Rh D Positive O Rh D Positive A Rh Negative	Automated using Werfen/Immunocor Neo Iris analyser (JRH) SOP HJ 2559 SOP HJ 2560 SOP HJ 2561 SOP HJ 2562 SOP HJ 2563	JRH
	AB Rh D Negative B RhD Negative O Rh D Negative Including the presence of A2 antigens	Automated using Werfen/Immunocor Echo analyser (HH) Haem SOP 677 Haem SOP 678 Haem SOP 679	НН
Blood Plasma	Antibody Screen by detection of antibodies to:	Automated using Werfen/Immunocor Neo Iris analyser	JRH
	Rh –C,D,E,c,e, Cw Kell –K, K, Kpa Duffy –Fya, Fyb MNSs- M, N, S, s Kidd –JKa, Jkb Lutheran –Lua P–P1 Anti-Chido/Rogers	SOP HJ 2559 SOP HJ 2560 SOP HJ 2561 SOP HJ 2562 SOP HJ 2563	
Blood Plasma	Antibody Screen by detection of antibodies to: Rh –C,D,E,c,e, Cw Kell –K, K, Kpa Duffy –Fya, Fyb MNSs- M, N, S, s Kidd –JKa, Jkb	Automated using Werfen/Immunocor Echo analyser Haem SOP 677 Haem SOP 678 Haem SOP 679	НН

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HUMAN BODY FLUIDS (cont'd)	Blood Transfusion examinations to assist in clinical investigations (cont'd)	Procedures documented in manufacturer's equipment manuals in conjunction with documented in- house procedures by the following methods:	
Blood Plasma	Blood Group by detection and identification of antigens: Rh –C,D,E,c,e, Cw Kell –K, K, Kpa Duffy –Fya, Fyb MNSs- M, N, S, s Kidd –JKa, Jkb P–P1 Anti-Chido/Rogers	Spin agglutination using BioRad/Diamed Column gel technology HJ 2513 (JRH) Haem SOP 462 (HH)	JRH HH
Plasma	Antibody Screen by detection of antibodies to: Rh –C,D,E,c,e, Cw Kell –K, K, Kpa Duffy –Fya, Fyb MNSs- M, N, S, s Kidd –JKa, Jkb	Manual BioRad/Diamed Column gel IAT technology HJ 2551	JRH HH
Blood Plasma	Compatibility testing of patients plasma with donor cells	Cross matching using BioRad/Diamed Column gel IAT technology HJ 2531 (JRH) HH 2639 (HH)	JRH HH
Blood	Direct Antiglobulin Test (DAT)	BioRad/Diamed Column gel IAT technology HJ 2590	JRH HH
Blood Plasma	ABO titrations	Werfen/Immunocor Neo Iris analyser and microtitre plate analysis Haem SOP 439	JRH

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HUMAN BODY FLUIDS (cont'd)	<u>Blood Transfusion</u> <u>examinations to assist in</u> <u>clinical investigations</u> (cont'd)	Procedures documented in manufacturer's equipment manuals in conjunction with documented in- house procedures by the following methods:		
Blood Plasma	Antibody investigation by detection, identification and quantification of: Rh –C,D,E,c,e, Cw Kell –K, K, Kpa Duffy –Fya, Fyb MNSs- M, N, S, s Kidd –JKa, Jkb	BioRad/Diamed Column gel IAT technology HJ 2603 HJ 2597 HJ 2609 HJ 2604 HJ 2737 HJ 2605 HJ 2594 HJ 2576 HJ 2576 HJ 2516 for including elution's, auto and cross absorptions	JRH HH	
Blood	Foetal Maternal Haemorrhage	Clin Tech Shepard kits Kleihauer Acid Elution Technique HJ 2569	JRH	
	Haematological examinations for the purpose of clinical diagnosis	Procedures documented in manufacturer's equipment manuals in conjunction with documented in- house procedures by the following methods:		
Blood	Erythrocyte Sedimentation Rate (ESR)	Automated Starrsed analysers, modified Westergren method		
		Haem SOP 905 ESR Flex and Auto Compact	JRH HH	
		Modified Westergren method (manual) H 543	JRH HH	
Plasma	Plasma Viscosity	Benson Viscometers, capillary sheer stress measurements Haem SOP 110	JRH	

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HUMAN BODY FLUIDS (cont'd)	Haematological examinations for the purpose of clinical diagnosis (cont'd)	Procedures documented in manufacturer's equipment manuals in conjunction with documented in- house procedures by the following methods:	
Blood	Full Blood Count (FBC) analysis of the following parameters: WBC RBC HGB HCT MCV MCH MCHC RDW-CV PLT NEUT LYMPH MONO EOS BASO Nucleated red blood cell (NRBC) count Reticulocyte count	Sysmex XN automated analysers, differential laser light scatter Haem SOP 879	JRH CHLM HH
Plasma Serum	Glandular Fever Screen	Biokit Monogen commercial kit, latex micro particle immunoassay H 559	JRH HH
Blood	G6PD	Commercial (Pointe Scientific ) kit, functional enzyme colourimetric assay G6PD SOP: H 541	НН

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HUMAN BODY FLUIDS (cont'd)	Haematological examinations for the purpose of clinical diagnosis (cont'd)	Procedures documented in manufacturer's equipment manuals in conjunction with documented in- house procedures by the following methods:	
Blood	Malarial antigens of: <i>Plasmodium falciparum</i> and pan-detection for: <i>Plasmodium malariae,</i> <i>Plasmodium ovale</i> & <i>Plasmodium vivax</i>	CareStart commercial kit H 3010	JRH HH
	Haemostasis and thrombosis examinations for the purpose of clinical diagnosis	Procedures documented in manufacturer's equipment manuals in conjunction with documented in- house procedures by the following methods: Sysmex CS5100 automated	
Plasma	Routine Coagulation testing for: Prothrombin Time (PT) Activated Partial Thromboplastin Time (APTT) Fibrinogen (Clauss) Thrombin Time (TT)	analysers, optical end-point detection and in-house procedures: Haem SOP 808 Haem SOP 809 Haem SOP 855 Haem SOP 830 H 1016 Sysmex CN6000/6500 automated analysers, optical end-point detection	JRH HH CHLM
	Routine Coagulation testing for: Prothrombin Time (PT) Activated Partial Thromboplastin Time (APTT) Fibrinogen (Clauss) Thrombin Time (TT)	Haem SOP 808 Haem SOP 809 Haem SOP 855 Haem SOP 830 H 1016	NOC

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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY FLUIDS (cont'd)	Haemostasis and thrombosis examinations for the purpose of clinical diagnosis (cont'd)	Procedures documented in manufacturer's equipment manuals in conjunction with documented in- house procedures by the following methods:	
		Sysmex CN6000/6500 automated analysers, optical end-point detection and in-house procedures:	
Plasma	Anti-IIa (Dabigatran)	Haem SOP 1045	NOC
Plasma	Reptilase	Haem SOP 943	NOC

Haem SOP 847

Haem SOP 953

Haem SOP 817

Haem SOP 818

Haem SOP 819

Haem SOP 834

Haem SOP 835

Haem SOP 820

Haem SOP 836 Haem SOP 837

Modified Nijmegen

Haem SOP 1046

in-house procedures:

Haem SOP 590

Haem SOP 839

Sysmex CN6000/6500 automated analysers, chromogenic assay and

HC 1222 HC 1225

HC 1224

Echis Time

FII FV

FVII

FVIII

FIX

FΧ

FXI

FXII

Screen FVIII FIX

analysis

FVIII

FXIII

High Molecular Weight

Factor Assay analysis:

Factor Acquired Inhibitor

Factor Inhibitor (Bethesda)

Acquired Thrombophilia

(Lupus) Screen (DRVVT screen / confirm, Actin FSL)

Factor assay analysis

Kininogen (HMWK)

Plasma

Plasma

Plasma

Plasma

Plasma

Plasma

Plasma

NOC

NOC

NOC

NOC

NOC

NOC

NOC

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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY FLUIDS (cont'd)	Haemostasis and thrombosis examinations for the purpose of clinical diagnosis (cont'd)	Procedures documented in manufacturer's equipment manuals in conjunction with documented in- house procedures by the following methods:	
		Sysmex CN6000/6500 automated analysers, chromogenic assay and in-house procedures:	
Plasma	Inherited Thrombophilia Screen:		NOC
	Protein C AT	Haem SOP2604	
		Haem SOP 1019	
	Free Protein S	Haem SOP 1022	NOC
Plasma	Fibrinolysis Screen: Plasminogen Alpha-2 Anti plasmin	Haem SOP 949 Haem SOP 838	NOC
		Sysmex CS5100 automated analysers, chromogenic assay and in-house procedures	
Plasma	Anti-Xa	Haem SOP 919	JRH
		Sysmex CS5100 automated analysers, latex optical end-point detection and in-house procedures:	
Plasma	D-Dimer	Haem SOP 864	JRH CHLM HH
		Sysmex CN6000/6500 automated analysers, latex optical end-point detection and in-house procedures:	
Plasma	vWD analysis (Antigen)	HC 1286	NOC
Plasma	vWD analysis (Activity)	HC SOP 591	NOC

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Materials/Products tested	measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Code
HUMAN BODY FLUIDS (cont'd)	Haemostasis and thrombosis examinations for the purpose of clinical diagnosis (cont'd)	Procedures documented in manufacturer's equipment manuals in conjunction with documented in- house procedures by the following methods:	
Plasma	Ristocetin Co-Factor (RiCOF)	Sysmex CN6000/6500 automated analysers, platelet aggregation HC 1285	NOC
Plasma	vWD Type 2N analysis	Asserachrom vwf:FVIIIB manual ELISA HC 1231	NOC
Plasma	Collagen Binding Assay (CBA)	AcuStar coagulation analyser; Haem SOP 2084 IL AcuStar- Collagen Binding Activity Haem SOP 2082 IL AcuStar- Overview and maintenance	NOC
Blood	Heparin Induced Thrombocytopenia Screen (HIT)	AcuStar coagulation analyser; Haem SOP 2085 IL AcuStar -HIT IgG (PF4) Haem SOP 2082 IL AcuStar- Overview and maintenance	NOC
Blood	Platelet aggregation	Light transmission aggregometry AggRam and procedures HC 1335, HC 1264 & HC 1334	NOC

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HUMAN BODY FLUIDS (cont'd)	Morphology and immunophenotyping examinations for the purpose of clinical diagnosis	Procedures documented in manufacturer's equipment manuals in conjunction with documented in- house procedures by the following methods:	
Blood Bone marrow	Blood / bone marrow film analysis	May Grunwald-Giemsa staining Manual H 542, HJ 3020 or automated using Sysmex SP-10 (JRH/HH) Haem SOP 895 HJ 3021 Routine Staining of Blood Films and Bone Marrows-Shandon staining machine Varistain 24-4 (JRH)	JRH HH
		Manual light microscopy HJ 3004 (blood) HJ 3006 (blood) HJ 3012 (bone marrow) HJ 3013 (bone marrow) HC2309 (bone marrow)	JRH HH
Blood Bone marrow	Blood / bone marrow film analysis	Automated blood film analysis using Sysmex Digital morphology analyser, light microscopy Haem 33913 HJ3400 HJ3401 Haem SOP 900	JRH
Blood Bone Marrow Urine	Iron deposits	Light microscopy following Perl's Prussian Blue iron staining using commercial (TCS Biosciences) Kit HJ 3103	JRH
Blood	Detection & speciation (thin films) of malaria parasites:	Preparation of thick and thin films, manual May Grunwald-Giemsa staining and light microscopy HJ 3009 H555	JRH HH
	Plasmodium falciparum Plasmodium malariae Plasmodium ovale Plasmodium vivax		

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HUMAN BODY FLUIDS (cont'd)	Morphology and immunophenotyping examinations for the purpose of clinical diagnosis (cont'd)	Procedures documented in manufacturer's equipment manuals in conjunction with documented in- house procedures by the following methods:	
Blood Bone Marrow	Acute Leukaemia antigen detection and quantification. Panel to include: CD-45 CD-7 CD-33 CD-10 CD-19 CD-34 CD-15 CD-17 HLA-DR CD-13 CD-14 CD-64 CD-41 CD-64 CD-41 CD-38 CD-11c Glycophorin-A CD-56 NG2 CD-9 CD-20 IgM CD-25 CD-1a CD-4	BC Navios , flow cytometry Haem SOP 1899 Haem SOP 1902 Haem SOP 1920 Haem SOP 330 HJ 3340	JRH

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HUMAN BODY FLUIDS (cont'd)	Morphology and immunophenotyping examinations for the purpose of clinical diagnosis (cont'd)	Procedures documented in manufacturer's equipment manuals in conjunction with documented in- house procedures by the following methods:	
Blood Bone Marrow	Chronic Leukaemia antigen detection and quantification. Panel to include: CD-8 CD-2 CD-57 sCD-3 CD-16 + 56 Cyt MPO Cyt CD-79a Cyt TdT Cyt Lysozyme Cyt CD-3 Cyt IgM CD-25 IgG1 PE IgG1 FITC CD-19 CD-20 CD-22 CD-23 FMC-7 CD-79b CD-79a sKappa sLambda CD-5 CD-4 CD-8 CD-45 CD-38 CD-200 SIgM CD-10	BC Navios , flow cytometry Haem SOP 1899 Haem SOP 1902 Haem SOP 1920 Haem SOP 330 HJ 3340	JRH
Blood	Minimal Residual Disease (MRD) ALL Flow panel	BC Navios analyser, flow cytometry , SOPs used Haem SOP 2643 Haem Doc 2612	JRH

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HUMAN BODY FLUIDS (cont'd)	Morphology and immunophenotyping examinations for the purpose of clinical diagnosis (cont'd) CD-103 CD-25 CD-11c CD-2 CD-3 CD-7 CD-57 CD-16 + 56 TCR-a/b TCR-g/d CD-56 CD-138 Cyt Kappa Cyt Lambda	Procedures documented in manufacturer's equipment manuals in conjunction with documented in- house procedures by the following methods:	
Blood	Paroxsymal nocturnal haemoglobinuria (PNH) clone antigen detection and quantification. Panel to include: CD-24 Flaer CD-14 CD-45 CD-15 CD-33 CD-59 Glyophorin A	BC Navios analyser, flow cytometry Haem SOP 1899 Haem SOP 1898 – Red cell assay Haem SOP 1900 – White cell assay Haem SOP 1901 Haem SOP 1902 Haem SOP 1920	JRH
Blood, Bone Marrow	Minimal residual disease (MRD) detection in AML	BC Navios analyser, flow cytometry Haem SOP 2567 Haem SOP 2568	JRH

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HUMAN BODY FLUIDS (cont'd)	Haemoglobinopathy examinations for the purpose of clinical diagnosis	Procedures documented in manufacturer's equipment manuals in conjunction with documented in- house procedures by the following methods: Documented in-house methods to	
		meet the requirements of the NHS Newborn Blood Spot Screening, Programme as defined in the July 2018 Newborn (Blood Spot) and antenatal; Sickle Cell and Thalassaemia Screening: laboratory QA evidence requirements'	
Blood	Adult Haemoglobinopathy analysis (including Antenatal) by detection of haemoglobin variants: Hb A Hb A2 Hb F Hb S Hb C Hb D Punjab Hb E	BioRad Variant II analyser, HPLC HC 2029 HC 2006 HC 2039 HC 2030	JRH
Blood Dried Blood Spots	Neonatal Haemoglobinopathy analysis by detection of haemoglobin variants: Hb A Hb F Hb S Hb C Hb D Punjab Hb E	Revvity/Perkin Elmer DBS Puncher and BioRad Variant NBS, HPLC HC 2026 HC 2027 HC 2028 BIO-J-LP-ScrePunOp	JRH

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HUMAN BODY FLUIDS (cont'd)	Haemoglobinopathy examinations for the purpose of clinical diagnosis (cont'd)	Procedures documented in manufacturer's equipment manuals in conjunction with documented in- house procedures by the following methods:	
		Documented in-house methods to meet the requirements of the NHS Newborn Blood Spot Screening, Programme as defined in the July 2018 Newborn (Blood Spot) and antenatal; Sickle Cell and Thalassaemia Screening: laboratory	

Blood Dried Blood Spots Blood	2 <sup>nd</sup> Line Haemoglobinopathy analysis by detection of haemoglobin variants: Hb A Hb A2 Hb F Hb S Hb C Hb D Punjab Hb E Sickle cell solubility	Revvity/Perkin Elmer (MigeleTM tank)), iso-electric focussing method HC 2005	JRH
		commercial kit H 1509	HH
	END		