

# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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



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### Cambridge University Hospitals NHS Foundation Trust

Issue No: 005 Issue date: 11 March 2021

Haematology Department  
Box 234  
Addenbrooke's Hospital  
Hills Road  
Cambridge  
CB2 0QQ

Contact: Angus Gidman  
Tel: +44 (0)1223 596173  
E-Mail: [angus.gidman@nhs.net](mailto:angus.gidman@nhs.net)  
Website: <http://www.cuh.org.uk/>

Testing performed at the above address only

Location details		Activity
Main Theatres 1,2 Box 206 Addenbrooke's Hospital Hills Road Cambridge CB2 0QQ	<b>Local contact</b> Kath Philpott/ Harriet Madiyiko	Blood Issue Fridge No testing occurs, blood storage only
ATC Box 283 Addenbrooke's Hospital Hills Road Cambridge CB2 0QQ	<b>Local contact</b> Kath Philpott / Harriet Madiyiko	Blood Issue Fridge No testing occurs, blood storage only



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Location details	Activity	Location code
Oncology Box 193 Addenbrooke's Hospital Hills Road Cambridge CB2 0QQ	<b>Local contact</b> Kath Philpott/ Harriet Madiyiko	Blood Issue Fridge No testing occurs, blood storage only
Neonatal unit Box 226 Addenbrooke's Hospital Hills Road Cambridge CB2 0QQ	<b>Local contact</b> Kath Philpott/ Harriet Madiyiko	Blood Issue Fridge No testing occurs, blood storage only
Delivery Unit Rosie Maternity Box 222 Addenbrooke's Hospital Hills Road Cambridge CB2 0QQ	<b>Local contact</b> Kath Philpott / Harriet Madiyiko	Blood Issue Fridge No testing occurs, blood storage only
Ward C10/E10 Box 14 Addenbrooke's Hospital Hills Road Cambridge CB2 0QQ	<b>Local contact</b> Kath Philpott/ Harriet Madiyiko	Blood Issue Fridge No testing occurs, blood storage only
Haematology Day unit Box 259 Addenbrooke's Hospital Hills Road Cambridge CB2 0QQ	<b>Local contact</b> Kath Philpott/ Harriet Madiyiko	Blood Issue Fridge No testing occurs, blood storage only
A&E - Resuscitation Addenbrooke's Hospital Hills Road Cambridge CB2 0QQ	<b>Local contact</b> Kath Philpott/ Harriet Madiyiko	Blood Issue Fridge No testing occurs, 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
HUMAN BODY FLUIDS	<u>Haematology examination activities for the purposes of clinical diagnosis:</u>	In house documented methods incorporating manufacturers' instructions where relevant
EDTA Whole Blood	<u>Haematology</u> Full blood count- automated differential: Total White Cell Count (WBC) Red Cell Count (RBC) Haemoglobin (Hb) Platelet Count MCV MCH MCHC NRBC Neutrophils Lymphocytes Monocytes Eosinophils Basophils	<u>Automated</u> Siemens Advia 2120i analyser  SOP ADD.HAE 5345 SOP ADD.HAE 5348 SOP ADD.HAE 5346
EDTA Whole Blood	Reticulocyte count	<u>Automated</u> Advia 2120i ADD.HAE 16198  <u>Manual</u> Manual method using GCC diagnostics reticulocyte stain – Supra vital stain SOP ADD.HAE 16198



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HUMAN BODY FLUIDS (Cont'd)	<u>Haematology examination activities (Cont'd)</u>	In house documented methods (Cont'd)
Whole Blood	Blood film examination: Detection of normal and abnormal morphologies and white blood cell differential	<u>Automated Staining</u> Giemsa staining using Siemens Autoslidemaker/ stainer SOP ADD.HAE 8368  <u>Manual Staining</u> Giemsa staining using Haematek semi-automated stainer SOP ADD.HAE 8719  <u>Blood film examination by light microscopy</u> SOP ADD.HAE 16173 SOP ADD.HAE 32355
Whole Blood	Erythrocyte Sedimentation Rate (ESR)	Desega S2000-Sedivette® ESR System SOP ADD.HAE 16171
Whole Blood	Plasma Viscosity (PV)	Benson Viscometer SOP ADD.HAE 16193
	<u>Haemoglobinopathy</u>	Documented in-house methods to meet the requirements of the Sickle Cell and Thalassaemia Screening Programme as defined in the July 2018 SCT laboratory quality assurance evidence requirements.
Whole Blood	<u>Quantification of:</u> HbA HbA2 HbF HbS  <u>Identification/ Quantitation of other Variant Hb:</u> HbC, HbD, HbE	<u>Primary Screening</u> Capillary electrophoresis using Sebia CAPILLARYS 2 FLEX-PIERCING instrument SOP ADD.HAE 1099



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HUMAN BODY FLUIDS (Cont'd)	<u>Haematology examination activities (Cont'd)</u>	In house documented methods (Cont'd)
Whole Blood	<u>Quantification of:</u> HbA HbA2 HbF HbS	Cellulose acetate and acid gel electrophoresis SOP ADD.HAE 16320 SOP ADD.HAE 16325
Whole Blood	<u>Identification/ Quantitation of other Variant Hb:</u> HbC, HbD, HbE	
Whole Blood	Blood Film examination for Malarial Parasites (Thick and Thin film examination) Detection of Malarial parasites of: <i>P. falciparum</i> , <i>P. malariae</i> , <i>P. ovale</i> & <i>P. vivax</i>	Film examination, staining of malarial parasites Giemsa stain and reversed field stain (pH7.2). Staining of malarial thick films. SOP ADD.HAE16173 SOP ADD.HAE 16347 SOP ADD.HAE 16346 SOP ADD.HAE 16345 SOP ADD.HAE 16341
Whole Blood	Detection of Malarial antigens of: <i>P. falciparum</i> Pan-detection for <i>P. malariae</i> , <i>P. ovale</i> & <i>P. vivax</i>	Carestart Malaria Rapydtest HRPII Card SOP ADD.HAE 6403
Plasma/ Serum	Glandular Fever (Infectious Mononucleosis) - heterophile antibodies to Epstein Barr Virus	Oxoid Infectious Mononucleosis Kit SOP ADD.HAE 16182
Blood	Glucose 6 Phosphate Dehydrogenase (G6PD)	Trinity Biotech Fluorescent Spot Test SOP ADD.HAE6395 SOP ADD.HAE 16336
Whole Blood	Sickle Cell Solubility Test: Detection of HbS	Microgen Bioproducts S-Test kit SOP ADD.HAE 32443



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HUMAN BODY FLUIDS (Cont'd)	<u>Haematology examination activities (Cont'd)</u>	In house documented methods (Cont'd)
	<u>Coagulation</u>	
Plasma	Prothrombin Time (PT) – semi automated	AS Diagnostics KC-10 mechanical clot detection SOP ADD.HAE 32119
Plasma	Activated Partial Thromboplastin Time (APTT) – semi automated	SOP ADD.HAE 32120
Plasma		<u>Automated</u> ACL-TOP 750 Analyser SOP ADD.HAE 32304 SOP ADD.HAE 32307 SOP ADD.HAE 32456
	Prothrombin Time (PT) Activated Partial Thromboplastin Time (APTT) Thrombin time (TT) INR determination D-dimer Fibrinogen assay Anti-Xa assay	SOP ADD.HAE 32305 SOP ADD.HAE 32311 SOP ADD.HAE 32309 SOP ADD.HAE 32310 SOP ADD.HAE 32312
HUMAN BODY FLUIDS	<u>Specialized haemostasis examination activities for clinical diagnosis</u>	In house documented methods incorporating manufacturers' instructions where relevant
Plasma	<u>Clotting Factor Assays</u>	ACL-TOP 750 Analyser using CE marked/ Werfen Locked one stage clot based assays unless otherwise indicated
	Factor VIII	One stage clot based SOP ADD.HAE 32332  Chromogenic FVIII SOP ADD.HAE 32341
	Factor IX Factor XI Factor XII Factor II	Refacto Factor VIII SOP ADD.HAE 32352 SOP ADD.HAE 32332 SOP ADD.HAE 32332 SOP ADD.HAE 32332 SOP ADD.HAE 32294



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HUMAN BODY FLUIDS (Cont'd)	<u>Specialized haemostasis examination activities (Cont'd)</u>  <u>Clotting Factor Assays (Cont'd)</u> Factor X   Factor V Factor VII Factor XIII	In house documented methods (Cont'd)  ACL-TOP 750 Analyser (Cont'd) One stage clot based OP ADD.HAE 32294  Chromogenic Factor X (Biophen) - SOP ADD.HAE 32342  Factor X Antigen ELISA (Zymutest ELISA) SOP ADD. HAE.32293 SOP ADD.HAE 32294 SOP ADD.HAE 32294 SOP ADD.HAE 32343
Plasma unless specified	<u>Factor Inhibitor screens and quantification assays:</u>  Immediate acting intrinsic factor inhibitor screen  Time dependent intrinsic factor inhibitor screen  Immediate acting extrinsic Factor inhibitor screen  Time dependent extrinsic Factor inhibitor screen  Intrinsic factor Bethesda Inhibitor assay  Extrinsic factor Bethesda Inhibitor assay  Nijmegen modification Intrinsic factor Bethesda Inhibitor assay <u>Nijmegen modification Factor IX Bethesda Inhibitor Assay</u>  Nijmegen modification Extrinsic factor Bethesda Inhibitor assay	Semi-automated techniques performed with manual initial set up and automated clot based measurements on the ACL-TOP 750 Analyser SOP ADD.HAE 32337  SOP ADD.HAE 32336  SOP ADD.HAE 32296  SOP ADD.HAE 32295  SOP ADD.HAE 32338  SOP ADD.HAE32298  SOP ADD.HAE 827 SOP ADD.HAE 10898  SOP ADD.HAE 32297



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HUMAN BODY FLUIDS (Cont'd)	<u>Specialized haemostasis examination activities (Cont'd)</u>	In house documented methods (Cont'd)
Plasma	<u>Investigation of Willebrand's Disease</u>  von Willebrand Factor Antigen von Willebrand Factor Activity	ACL-TOP750 analyser or Acustar automated analyser (Werfen - SOP ADD.HAE 5240) using CE marked/Werfen locked assays SOP ADD.HAE 32322 vWF:Ab – monoclonal antibody to VWF A1 domain epitope - ACL-TOP750 SOP ADD.HAE 32321  Ristocetin-induced binding of VWF to a recombinant WT GPIb fragment using chemiluminescence SOP ADD.HAE 2572  VWF Collagen Binding Activity using chemiluminescence (Acustar (Werfen) SOP ADD.HAE 5683  VWF Collagen Binding Activity Zymutest Collagen Binding Assay ELISA SOP ADD.HAE 32135  Platelet Ristocetin CoFactor Activity PAP8E SOP ADD.HAE 32221
Plasma	<u>Thrombophilia</u>  Protein C Free Protein S Antithrombin (Human Factor X based Antithrombin Activity) Human Factor II Based Antithrombin Activity DRVVT APTT Lupus Ratio	ACL-TOP 750 Analyser using CE marked/ Werfen Locked assays unless otherwise indicated SOP ADD.HAE 32319 SOP ADD.HAE 32318 SOP ADD.HAE 4970  Using STAGO STAchrom kit SOP ADD.HAE 32327 SOP ADD.HAE 32243 SOP ADD.HAE 2356





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HUMAN BODY FLUIDS (Cont'd)	<u>Specialized haemostasis examination activities (Cont'd)</u>	In house documented methods (Cont'd)
	<u>Thrombophilia (Cont'd)</u> HemosIL DTI - Dilute Thrombin Time Activated Protein C Sensitivity	ACL-TOP 750 (Cont'd) SOP ADD.HAE 7674:  SOP ADD.HAE 32320
Plasma	<u>Heparin Induced Thrombocytopenia (H.I.T.)</u>  AcuStar HIT-IgG Screen	Acustar automated analyser (Werfen) SOP ADD.HAE 1821
	ACL-TOP HIT Ab (PF4-H) Screen	ACL-TOP 750 Analyser SOP ADD.HAE 398
Plasma	<u>Thrombin Generation</u>  Lag Time	Thrombinoscope Calibrated Automated Thrombography using in house reagent formulations SOP ADD.HAE. 32168 Citrate Platelet Poor Plasma SOP ADD.HAE. 32168
	Endogenous Thrombin Potential	Corn Trypsin Inhibitor Platelet Poor Plasma SOP ADD.HAE. 32168
	Peak Thrombin	Corn Trypsin Inhibitor Platelet Poor Plasma SOP ADD.HAE. 32168
		Corn Trypsin Inhibitor Platelet Poor Plasma SOP ADD.HAE. 32168



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HUMAN BODY FLUIDS (Cont'd)	<u>Specialized haemostasis examination activities (Cont'd)</u>  <u>Thrombin Generation (Cont'd)</u> Time to Peak   Velocity Index	In house documented methods (Cont'd)  Thrombinoscope (Cont'd) Citrate Platelet Poor Plasma SOP ADD.HAE. 32168  Corn Trypsin Inhibitor Platelet Poor Plasma SOP ADD.HAE. 32168  Citrate Platelet Poor Plasma SOP ADD.HAE. 32168  Corn Trypsin Inhibitor Platelet Poor Plasma SOP ADD.HAE. 32168
Plasma	<u>ADAMTS13 activity and ADAMTS13 inhibitor</u> ADAMTS-13 Activity  ADAMTS-13 Inhibitor quantification	Commercial ELISA sourced from Pathways Diagnostics (Technozym) Technozym ELISA SOP ADD.HAE 3215 Technozym ELISA SOP ADD.HAE 1543
Platelet Rich Plasma	<u>Platelet Function Analysis</u> Collagen/ ADP agglutination  Collagen/ Epinephrine Agglutination  Light Transmission Platelet Aggregometry  ADP 2.5µM ADP 5µM ADP 10µM ADP 20µM Arachidonic Acid 1.5mM Collagen 1.0µg/mL Collagen 2.0µg/mL Ristocetin 1.5mg/mL	PFA-100 analyser SOP ADD HAE 32217 PFA-100 analyser SOP ADD HAE 32217  PAP-8E semi-automated platelet aggregometer using Borne Aggregation SOP ADD.HAE. 32104 SOP ADD.HAE. 32104 SOP ADD.HAE. 32104 SOP ADD.HAE. 32104 SOP ADD.HAE. 32104 SOP ADD.HAE. 32104 SOP ADD.HAE. 32104 SOP ADD.HAE. 32104 Agglutination SOP ADD.HAE. 32104



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HUMAN BODY FLUIDS (Cont'd)	<u>Specialized haemostasis examination activities (Cont'd)</u>	In house documented methods (Cont'd)
	<u>Platelet Function Analysis (Cont'd)</u>	PAP-8E (Cont'd)
	Ristocetin 0.5mg/mL	Agglutination SOP ADD.HAE. 32104
	TRAP6 12.5µM	SOP ADD.HAE. 32104
	U46619 5µM	SOP ADD.HAE. 32104
Whole Blood	Impedance aggregometry for investigation of bleeding disorders	Multiplate analyser impedance aggregometry
	ADP 3.3µM	SOP ADD.HAE. 1169
	ADP 6.6µM	SOP ADD.HAE. 1169
	Arachidonic Acid 0.5mM	SOP ADD.HAE. 1169
	Collagen 0.65µg/mL	SOP ADD.HAE. 1169
	Ristocetin 0.77mg/mL	SOP ADD.HAE. 1169
	Ristocetin 0.20mg/mL	SOP ADD.HAE. 1169
	TRAP6 4µM	SOP ADD.HAE. 1169
	U46619 1.6µM	SOP ADD.HAE. 1169
	Spontaneous Aggregation	SOP ADD.HAE. 1169
Whole Blood	Impedance aggregometry for investigation of antiplatelet therapy	Multiplate analyser impedance aggregometry
	ADPTest	SOP ADD.HAE. 1375
	TRAPTest	SOP ADD.HAE. 1375
	ASPITest	SOP ADD.HAE. 1375
Platelet Rich Plasma	Platelet Nucleotide Analysis	Biorad Biologic Duoflow HPLC – in house method
	ADP Nucleotides	SOP ADD.HAE 32130
	ATP Nucleotides	SOP ADD.HAE 32130
	Total Nucleotides	SOP ADD.HAE 32130
	ATP/ADP Ratio	SOP ADD HAE 32130



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HUMAN BODY FLUIDS (Cont'd)	<u>Specialized haemostasis examination activities (Cont'd)</u>	In house documented methods (Cont'd)
Whole Blood	<u>Rotational Thromboelastometry</u>	Performed on the ROTEM – Delta (Werfen) with reagents sourced from Werfen
	Clot Time	Non-Activated Rotational Thromboelastometry (NATEM) SOP ADD.HAE. 32170
		Extrinsic Thromboelastometry (EXTEM) SOP ADD.HAE. 7725
		Functional Fibrinogen Rotational thromboelastometry (FIBTEM) SOP ADD.HAE. 8663
	Clot Formation Time	Non-Activated Rotational Thromboelastometry (NATEM) SOP ADD.HAE. 32170
		Extrinsic Thromboelastometry (EXTEM) SOP ADD.HAE. 7725
	Angle	Non-Activated Rotational Thromboelastometry (NATEM) SOP ADD.HAE. 32170
		Extrinsic Thromboelastometry (EXTEM) SOP ADD.HAE. 7725
	Area under curve	Non-Activated Rotational Thromboelastometry (NATEM) SOP ADD.HAE. 32170
		Extrinsic Thromboelastometry (EXTEM) SOP ADD.HAE. 7725
	Functional Fibrinogen Rotational Thromboelastometry (FIBTEM) SOP ADD.HAE. 8663	



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HUMAN BODY FLUIDS (Cont'd)	<u>Specialized haemostasis examination activities (Cont'd)</u>  <u>Rotational Thromboelastometry (Cont'd)</u> Maximum Clot Firmness          Time to maximum velocity          Maximum Lysis	In house documented methods (Cont'd)  ROTEM – Delta (Werfen) (Cont'd)  Non-Activated Rotational Thromboelastometry (NATEM) SOP ADD.HAE. 32170  Extrinsic Thromboelastometry (EXTEM) SOP ADD.HAE. 7725  Functional Fibrinogen Rotational Thromboelastometry (FIBTEM) SOP ADD.HAE. 8663  Non-Activated Rotational Thromboelastometry (NATEM) SOP ADD.HAE. 32170  Extrinsic Thromboelastometry (EXTEM) SOP ADD.HAE. 7725  Functional Fibrinogen Rotational Thromboelastometry (FIBTEM) SOP ADD.HAE. 8663  Non-Activated Rotational Thromboelastometry (NATEM) SOP ADD.HAE. 32170  Extrinsic Thromboelastometry (EXTEM) SOP ADD.HAE. 7725
Plasma	A20	Functional Fibrinogen Rotational Thromboelastometry (FIBTEM) - SOP ADD.HAE. 8663 SOP ADD.HAE. 8663



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HUMAN BODY FLUIDS (Cont'd)	<u>Specialized haemostasis examination activities (Cont'd)</u>	In house documented methods (Cont'd)
Plasma unless specified	<u>Direct Oral Anticoagulants</u>	ACL-TOP 750 Analyser using CE marked/Werfen Locked assays with backup assays using biophen reagent
	Dabigatran Quantification	ACL-TOP750 (Werfen Assay) SOP ADD HAE 6026 ACL-TOP 750 (Biophen Assay) SOP ADD.HAE 988
	Rivaroxaban Quantification	ACL-TOP750 ((Werfen Biophen Assay) SOP ADD.HAE. 843 ACL-TOP 750 (Biophen Werfen Assay) SOP ADD.HAE 6249
	Apixaban Quantification	ACL-TOP750 (Werfen Biophen Assay) SOP ADD.HAE. 2956 ACL-TOP 750 (Biophen Werfen Assay) SOP ADD.HAE. 5967
	Edoxaban Quantification	ACL-TOP750 (Werfen Assay) SOP ADD. HAE. 8379
Plasma unless specified	<u>Investigation of Fibrinolysis</u>	ACL-TOP 750 Analyser using CE marked/Werfen Locked assays.
	Plasmin Inhibitor Plasminogen	SOP ADD.HAE. 5227 SOP ADD.HAE. 5226
ADD	Thrombin Induced Lysis Time PAI-I antigen TAFI:Ag Thrombin-Antithrombin Complex Prothrombin Fragment F1+2 tPA – Tissue Plasminogen Activator	SOP ADD.HAE 8411 SOP ADD.HAE 32150 (ELISA) SOP ADD.HAE 32151 (ELISA) SOP ADD.HAE. 32152 (ELISA) SOP ADD.HAE 8428 (ELISA) SOP ADD.HAE 32154 (ELISA)
Plasma	<u>Miscellaneous ELISA</u> Tissue Factor Pathway Inhibitor (TFPI)	SOP ADD.HAE 32153



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HUMAN BODY FLUIDS (Cont'd)  Plasma unless specified	<u>Specialized haemostasis examination activities (Cont'd)</u>  <u>Routine Assays of Haemostasis</u>  Prothrombin Time  INR  APTT Thrombin Time Liquid Heparin Anti Xa D-dimer Fibrinogen  Fibrinogen Antigen   Prothrombin Time APTT Reptilase Time	In house documented methods (Cont'd)  ACL-TOP 750 Analyser SOP ADD.HAE 32305 PT based INR for Warfarin Control SOP ADD.HAE 32307 PT based INR for Warfarin Control SOP ADD.HAE 32307 SOP ADD.HAE 32456 SOP ADD.HAE 32305 SOP ADD.HAE 32312 SOP ADD.HAE 32309 Quantified Fibrinogen Assay (QFA) SOP ADD.HAE 32310 ACLTOP Liaphen Fibrinogen Assay SOP ADD.HAE 1164  Semi-automated assays - KC10 SOP ADD.HAE 32119 SOP ADD.HAE 32120 SOP ADD.HAE 32251



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<p>HUMAN BODY FLUIDS</p> <p>Whole blood (EDTA)</p>	<p><u>Blood Transfusion examination activities for the purpose of clinical diagnosis:</u></p> <p>Blood grouping by antigen detection:</p> <ul style="list-style-type: none"> <li>• ABO blood group</li> </ul> <p>RhD type</p>	<p>Documented procedures based on manufacturer's instructions</p> <p><u>Automated Grifols Erytra analyser</u> Grifols card column agglutination technology SOP ADD.HAE 5551 SOP ADD.HAE 2425 SOP ADD.HAE 2426 SOP ADD.HAE 2606</p> <p><u>Manual - Grifols</u> Grifols card column agglutination technology SOP ADD.HAE 16250 SOP ADD.HAE 16206</p> <p><u>Manual - BioRad</u> BioRad card column agglutination technology SOP ADD.HAE 16250 SOP ADD.HAE 16206</p> <p><u>Manual – Tube</u> SOP ADD.HAE 16250 SOP ADD.HAE 16206</p>





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<p>HUMAN BODY FLUIDS</p> <p>Whole blood (EDTA)</p>	<p><u>Blood Transfusion examination activities for the purpose of clinical diagnosis:</u></p> <p>Antibody screening for the identification of the following antibodies: D,C,E,c,e,Cw,K,k,Kpa,Kpb,Fya,Fyb, Jka,Jkb,Lea,Leb,P1,M,N,S,s,Lua,Lu b, Xga</p>	<p>Documented procedures based on manufacturer's instructions</p> <p><u>Automated Grifols Erytra analyser</u> 3 cell screen using Grifols card column agglutination technology SOP ADD.HAE 5551 SOP ADD.HAE 2425 SOP ADD.HAE 2426 SOP ADD.HAE 2606</p> <p><u>Manual - Grifols</u> 3 cell screen using Grifols card column agglutination technology SOP ADD.HAE 16250 SOP ADD.HAE 16206</p> <p><u>Manual - BioRad</u> 3 cell screen using BioRad card column agglutination technology SOP ADD.HAE 16250 SOP ADD.HAE 16206</p> <p><u>Manual – Tube</u> 3 cell screen SOP ADD.HAE 16250 SOP ADD.HAE 16206</p>



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**Cambridge University Hospitals NHS Foundation Trust**

**Issue No: 005 Issue date: 11 March 2021**

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY FLUIDS	<u>Blood Transfusion examination activities for the purpose of clinical diagnosis:</u>	Documented procedures based on manufacturer's instructions
Whole blood (EDTA)	Direct Antiglobulin Test (DAT) for identification of IgG and C3d red cell coating	<u>Automated Grifols Erytra analyser</u> Grifols card column agglutination technology SOP ADD.HAE 16226 SOP ADD.HAE 2425  <u>Manual - Grifols</u> Grifols card column agglutination technology SOP ADD.HAE 16226  <u>Manual - BioRad</u> BioRad card column agglutination technology SOP ADD.HAE 16226  <u>Manual – Tube</u> SOP ADD.HAE 16226
Whole blood (EDTA)	Red cell phenotyping: Rh & K blood group antigens: C, c, E, e, K	<u>Automated Grifols Erytra analyser</u> Grifols card column agglutination technology SOP ADD.HAE 32257 SOP ADD.HAE 2425  <u>Manual - Grifols</u> Grifols card column agglutination technology SOP ADD.HAE 32257  <u>Manual - BioRad</u> BioRad card column agglutination technology SOP ADD.HAE 32257
Whole blood (EDTA)	Red cell phenotyping: Jka, Jkb, Fya, Fyb, M, N, S, s	<u>Manual – BioRad</u> BioRad card column agglutination technology SOP ADD.HAE 32257



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY FLUIDS	<u>Blood Transfusion examination activities for the purpose of clinical diagnosis:</u>	Documented procedures based on manufacturer's instructions
Whole blood (EDTA)	Red cell phenotyping: A1	<u>Manual – Tube</u> SOP ADD.HAE 32257
Whole blood (EDTA)	Antibody investigation for the identification of the following antibodies: D,C,E,c,e,Cw,K,k,Kpa,Kpb,Fya,Fyb, Jka,Jkb,Lea,Leb,P1,M,N,S,s,Lua,Lu b, Xga	<u>Manual - Grifols</u> 10 cell panel using Grifols card column agglutination technology SOP ADD.HAE 16209 SOP ADD.HAE 3384  <u>Manual - BioRad</u> 10 cell panel using BioRad card column agglutination technology SOP ADD.HAE 16209 SOP ADD.HAE 3384 SOP ADD.HAE 16239 SOP ADD.HAE 1313 SOP ADD.HAE 789 SOP ADD.HAE 16231  <u>Manual – Tube</u> 10 cell panel SOP ADD.HAE 16209 SOP ADD.HAE 3384
Whole blood (EDTA)	Antibody titration: Titration of anti-A and Anti-B against A1, A2 and B cells	<u>Manual - BioRad</u> BioRad card column agglutination technology SOP ADD.HAE 32029
Whole blood (EDTA)	Titration of the following antibodies against a heterozygous expression of the corresponding antigen for determination of the risk of Haemolytic Disease of the Newborn and Fetus: C,E,e,Cw,K,Kpa,Kpb,Fya,Fyb,Jka,J kb M,S,s	<u>Manual - BioRad</u> BioRad card column agglutination technology SOP ADD.HAE 32452



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY FLUIDS	Blood Transfusion examination activities (Cont'd)	In house documented methods (Cont'd)
Whole blood (EDTA)	Compatibility testing: Serological crossmatch – serological compatibility testing between donor red cell antigens and patient plasma	<u>Automated Grifols Erytra analyser</u> Grifols card column agglutination technology SOP ADD.HAE 16212 SOP ADD.HAE 2425  <u>Manual - Grifols</u> Grifols card column agglutination technology SOP ADD.HAE 16212  <u>Manual - BioRad</u> BioRad card column agglutination technology SOP ADD.HAE 16212  <u>Manual – Tube</u> SOP ADD.HAE 16212
Whole blood (EDTA)	Detection and estimation of Feto-Maternal Haemorrhage	<u>Flow cytometry</u> FACS Canto SOP ADD.HAE 32031  <u>Manual</u> Acid Elution technique Source BioScience Kleihauer method SOP ADD.HAE 32060
END		