


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 Accredited to ISO 15189:2012	University Hospitals Dorset NHS Foundation Trust	
	Issue No: 008 Issue date: 22 May 2025	
	Haematology Department Dorset Pathology Hub Royal Bournemouth Hospital Castle Lane East Bournemouth BH7 7DW	Contact: Nathan Bourne Tel: +44 (0) 300 019 4879 E-Mail: nathan.bourne@uhd.nhs.uk Website: www.uhd.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
Haematology Department Dorset Pathology Hub The Royal Bournemouth Hospital Castle Lane East Bournemouth BH7 7DW	Local contact Stacey Reichter Tel: +44 (0) 300 019 4796 E-Mail: Stacey.Reichter@uhd.nhs.uk	Routine Haematology
	Local contact Helen Slade Tel: +44 (0) 300 019 4800	Blood Transfusion
	Local contact Neil McIver- Brown Tel: +44 (0) 300 019 4805 E-Mail: neil.McIver- Brown@uhd.nhs.uk	Flow Cytometry
Haematology & Blood Transfusion Poole Hospital Longfleet Road Poole BH15 2JB	Local Contact Stacey Reichter Tel: +44 (0) 300 019 4796 E-Mail: Stacey.Reichter@uhd.nhs.uk	Routine Haematology Coagulation Blood transfusion
		PH



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Site activities performed away from the locations listed above:

Location details	Activity
Main Theatre The Royal Bournemouth Hospital Castle Lane East Bournemouth BH7 7DW	No testing occurs on this site, blood storage only
Issue Fridge Room The Royal Bournemouth Hospital Castle Lane East Bournemouth BH7 7DW	No testing occurs on this site, blood storage only
St Mary's Maternity Hospital (Poole Hospital) St Mary's Road Poole BH15 2JB	Blood storage & issue Fridge managed by Haematology
TIU Poole Hospital BH15 2JB	Blood storage & issue only Fridge managed by Haematology



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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 TISSUE AND FLUIDS	<u>Haematology examinations for the purposes of clinical diagnosis</u>	Following in-house documented procedures and manufacturer's equipment instructions where relevant	
Blood (EDTA)	Full blood counts and automated differential: Haemoglobin (Hb) White Blood Cell Count (WBC) Red Blood Count (RBC) Platelet Count Mean Cell Volume (MCV) Mean Cell Haemoglobin (MCH) Mean Cell Haemoglobin Concentration (MCHC) Neutrophils Lymphocytes Monocytes Eosinophils Basophils Reticulocytes	Beckman Coulter DxH900 analyser Using electrical impedance, photometry, laser light, flow cytometry B-HAE-P-58 B-HAE-P-56	RBH
Blood (EDTA)	Erythrocyte Sedimentation Rate (ESR)	Starrsed RS Westergren method B-HAE-P-63	RBH
Bone marrow	Examination of bone marrow films: in order to identify or exclude Morphological and Cytological abnormalities for the purpose of diagnosis	Manual slide preparation and interpretation. Staining using the Aerospray and manual staining (Romanovsky and Perls stain) B-HAE-P-7	RBH
Blood	Blood Film: Detection of normal and abnormal morphologies and white blood cell differential	Manual slide preparation and interpretation. Automated slide preparation and staining using the DxH SMS 11. Staining using the Aerospray and manual staining (Romanovsky and Perls stain) B-HAE-P-13 B-HAE-P-59 B-HAE-P-60 B-HAE-P-30	



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HUMAN TISSUE AND FLUIDS (cont'd)	<u>Haematology examinations for the purposes of clinical diagnosis (cont'd)</u>	Following in-house documented procedures and manufacturer's equipment instructions where relevant	
Blood (EDTA)	Rapid diagnostic test for detection of Malarial antigens of: <i>P. falciparum</i> and /or Pan-detection for <i>P. malariae</i> , <i>P. ovale</i> & <i>P. vivax</i>	Manual method using CareUS RDT HRP2/pLDH B-HAE-P-35	RBH
Blood (EDTA)	Demonstration of Malaria Parasites	Microscopy & cytochemistry (Thick and thin films stained by Fields stain and Giemsa) B-HAE-P-21	RBH
Blood (EDTA)	Glandular fever by detection of IM IgM heterophile antibodies	Biokit Monogen IM (Infectious Mononucleosis) test using one step rapid latex particle agglutination test B-HAE-P-4	RBH
Plasma	Thromboelastograph Measurement of clot viscoelasticity	Haemascop TEG5000 analyser Thromboelastography B-HAE-P-55	RBH
Plasma	Coagulation screen: Prothrombin time INR Activated partial thromboplastin time and ratio Clauss fibrinogen D-Dimer Thrombin time Direct oral anticoagulant assays (DOAC) Edoxaban, Rivaroxaban, Apixaban, Dabigatran	Stago StarMax 3 using SOP B-HAE-P-69 DOACS U—HAE-P-40	RBH
Plasma	Factors II, V, VII, VIII, IX, X, XI, XII, XIII and Bethesda Assay for Factor inhibitors	Stago StarMax 3 B-HAE-P-70	RBH



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HUMAN TISSUE AND FLUIDS (cont'd)	<u>Haematology examinations for the purposes of clinical diagnosis</u> (cont'd)	Following in-house documented procedures and manufacturer's equipment instructions where relevant Stago StarMax 3	
Plasma	Anti Thrombin (Functional)	B-HAE-P-70	RBH
Plasma	Protein C Activity	B-HAE-P-70	RBH
Plasma	Free Protein S	B-HAE-P-70	RBH
Plasma	Lupus test – DRVVT and Silica Clotting Time	B-HAE-P-70	RBH
Plasma	Activated Protein C Resistance (APCr)	B-HAE-P-70	RBH
Plasma	Von Willebrand antigen, activity	U-HAE-P-34	RBH
	Von Willebrand Ristocetin Co Factor activity	U-HAE-P-35	
Plasma	Emicizumab	U-HAE-P-75	RBH
Plasma	Thrombocytopenia screen – detection of antibodies to platelet factor 4 and heparin	Stago STic Expert Lateral Flow B-HAE-P-71	RBH



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HUMAN TISSUE AND FLUIDS (cont'd)	<u>Blood transfusion examinations</u>	Documented in-house procedures based on manufacturer's instructions	RBH
Whole blood (EDTA)	Blood group by detection and identification of antigens – A B O and AB groups Rh groups: Rh D Positive, Rh D Negative	Automated method using Bio-Rad IH-500 analyser and Diamed gel cards from Bio-Rad B-TRA-P-28 B-TRA-P-39 B-TRA-P-30 B-TRA-P-31 B-TRA-P-148 B-TRA-P-46	RBH
Whole blood (EDTA)	Blood group by detection and identification of antigens – A B O and AB groups Rh groups: Rh D Positive, Rh D Negative	Manual methods using tube method SOP B-TRA-P-37	RBH
Whole blood (EDTA)	Antibody screening Detection of antibodies to the following antigens: C ^w , C, c, D, E, e K, k, Kp ^a , Kp ^b Jk ^a , Jk ^b Fy ^a , Fy ^b Lu ^a , Lu ^b M, N, S, s Le ^a , Le ^b P1	Automated method using Bio-Rad IH-500 analyser and Diamed gel cards from Bio-Rad B-TRA-P-148 B-TRA-P-28 B-TRA-P-29 B-TRA-P-31	RBH
Whole blood (EDTA)	Antibody identification using cells containing the following antigens: C ^w , C, c, D, E, e K, k, Kp ^a , Kp ^b Jk ^a , Jk ^b Fy ^a , Fy ^b Lu ^a , Lu ^b M, N, S, s Le ^a , Le ^b P1	Automated method using Bio-Rad IH-500 analyser and Diamed gel cards from Bio-Rad B-TRA-P-9	RBH



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HUMAN TISSUE AND FLUIDS (cont'd)	<u>Blood transfusion examinations</u> (cont'd)	Documented in-house procedures based on manufacturer's instructions	
Whole blood (EDTA)	Antibody identification using cells containing the following antigens: C ^w , C, c, D, E, e K, k, Kp ^a , Kp ^b Jk ^a , Jk ^b Fy ^a , Fy ^b Lu ^a , Lu ^b M, N, S, s Le ^a , Le ^b P1	Manual methods using Diamed gel cards from Bio-Rad BTRA-P-148 B-TRA-P-28 B-TRA-P-29 B-TRA-P-31	RBH
Whole blood (EDTA)	Serological compatibility testing between donor red cell antigens and patient plasma including manual group and antibody screen and blood selection	B-TRA-P-3 B-TRA-P-4 B-TRA-111 B-TRA-132 B-TRA-37	RBH
Whole blood (EDTA)	Direct Antiglobulin Test (DAT)	Automated method using Bio-Rad IH-500 analyser and Diamed gel cards from Bio-Rad B-TRA-38	RBH
Whole blood (EDTA)	Direct Antiglobulin Test (DAT)	Manual methods using Diamed gel cards from Bio-Rad B-TRA-38	RBH
Whole blood (EDTA)	Red cell phenotyping for the following antigens: C, c, D, E, e K, Jk ^a , Jk ^b Fy ^a , Fy ^b M, N, S, s A ₁	Manual methods using Diamed gel cards from Bio-Rad B-TRA-P-52 U-TRA-P-2 B-TRA-P-50	RBH
Whole blood (EDTA)	Feto-Maternal Haemorrhage Estimation (FMH)	Manual Kleihauer using Guest Medical kit SOP B-TRA-P-41	RBH



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HUMAN TISSUE AND FLUIDS (cont'd)	<u>Blood transfusion examinations</u> (cont'd)	Documented in-house procedures based on manufacturer's instructions	
Whole blood (EDTA)	Cord blood group determination	Manual methods using Diamed gel cards from Bio-Rad B-TRA-P-46	RBH
Whole blood (EDTA)	Cord blood group determination	Automated process using Biorad IH1500 analyser and Diamed gel cards from Bio-Rad B-TRA-P-46 B-TRA-P-38	RBH
	<u>Molecular testing for the purpose of clinical diagnosis</u>	Following in-house documented procedures and manufacturer's equipment instructions where relevant	
Blood/serum	Mutation detection for Factor V Leiden and Prothrombin Variant	Cepheid GeneXpert DNA Extraction, amplification and detection in one cartridge B-HAE-M-H00023	RBH



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HUMAN TISSUE AND FLUIDS (cont'd)	<u>Immunophenotyping examinations for the purposes of clinical diagnosis</u>	Using manufacturers instructions for Becton Dickinson, FACSDuet & FACSLytic 3 laser flow cytometer and in house procedures	
Blood, bone marrow, CSF, pleural fluid, Fine Needle Aspirates, lymphoid tissues (e.g. Lymph node/spleen) or other tissues or fluids.	Leukaemia and Lymphoma Immunophenotyping using the following markers for the purpose of Haematological Diagnosis and monitoring: CD2, CD3, CD4, CD5, CD7, CD8, CD10, CD11b, CD11c, CD13, CD14, CD15, CD16, CD19, CD20, CD22, CD23, CD25, CD26, CD27, CD30, CD33, CD34, CD36, CD38, CD43, CD45, CD49d, CD52, CD56, CD57, CD64, CD71, CD79b, CD81, CD85k, CD103, CD117, CD123, CD138, CD163, CD200, CD235a, CD300e, Kappa, Lambda, TCRαβ, TCRγδ, HLA-DR, FMC7, TDT, MPO, NG2, IGG	Multicolour Flow Cytometry using relevant panels acquired and analysed using BD Flow Cytometer (FACSLytic and FACSuite software as per U-MOL-D-19 U-MOL-P-18	RBH
EDTA Blood	CD34 viable absolute count enumeration CD34, CD45, 7-AAD, BD Trucount	BD Flow Cytometer (FACSLytic) and FACSuite Clinical software as per U-MOL-P-20	RBH
EDTA Blood	CD4 Immune monitoring/absolute count enumeration (CD3, CD4, CD8, CD45, BD Trucount).	BD Flow Cytometer (FACSLytic) and FACSuite Clinical software Sample preparation by BD FACSDuet as per U-MOL-P-7	RBH



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HUMAN BODY FLUIDS	<u>Blood Transfusion examinations to assist in clinical investigations</u>	Manufacturer's instructions and documented In-house methods:	
Whole blood (EDTA)	Blood group detection and identification of antigens: <i>A Rh D Positive</i> <i>AB Rh D Positive</i> <i>B Rh D Positive</i> <i>O Rh D Positive</i> <i>A Rh Negative</i> <i>AB Rh D Negative</i> <i>B RhD Negative</i> <i>O Rh D Negative</i> <i>Including the presence of A2 antigens</i>	Automated using BioRad IH-500 and manual detection using BioRad Diamed gel cards P-TRA-P-SOP0003 P-TRA-P-SOP0004 P-TRA-P-SOP0005	PH
Whole blood (EDTA)	Antibody Screen and identification by detection of antibodies to: <i>Rh – C,D,E,c,e,Cw,</i> <i>Kell – K, Kpa,</i> <i>Duffy – Fya, Fyb,</i> <i>MNSs- M, N, S, s,</i> <i>Kidd – JKa, Jkb,</i> <i>Lewis – Lea , Leb,</i> <i>Lutheran –Lua</i>	Automated using BioRad IH-500 and manual detection using BioRad Diamed gel cards P-TRA-P-SOP0003 P-TRA-P-SOP0004 P-TRA-P-SOP0005	PH
Whole blood (EDTA)	Direct anti-globulin test (DAT)	Automated using BioRad IH-500, Manual using BioRad Diamed gel cards BS-SOP-888 Rh/K Phenotyping and DAT	PH
Whole blood (EDTA)	Antigen phenotyping <i>Rh – C,D,E,c,e,Cw</i> <i>Kell – Kpa</i> <i>Duffy – Fya, Fyb</i> <i>MNSs- M, N, S, s</i> <i>Kidd – JKa, Jkb</i> <i>Lewis – Lea , Leb</i> <i>Lutheran –Lua in</i>	Automated using BioRad IH-500, Manual using BioRad Diamed gel cards BS-SOP-888 Rh/K Phenotyping and DAT	PH
Whole blood (EDTA)	Serological Crossmatch	Automated using BioRad IH-500 / Manual using BioRad Diamed gel card SOP BS-SOP-190	PH



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HUMAN BODY FLUIDS (cont'd)	<u>Blood Transfusion examinations to assist in clinical investigations (cont'd)</u>	Manufacturer's instructions and documented In-house methods:	
Whole blood (EDTA)	Kleihauer test for estimation of feto-maternal haemorrhage	Guest Medical kit (Acid elution) BS-SOP-509	PH
	<u>Coagulation examination activities for the purpose of clinical diagnosis</u>	Manufacturer's instructions and documented In-house methods: Stago STA Max P-HAE-F-DOC0055	PH
Plasma (Sodium Citrate)	Coagulation Screen: Prothrombin INR time Activated partial thromboplastin time and Ratio Clauss Fibrinogen D-Dimer Thrombin time Direct oral anticoagulant assays Factors II,VII,VII,VIII(Ag), Factor IX,X,XI,XII,XIII and for factor inhibitors Anti Thrombin (functional) Protein C Activity Protein S Activity Free Protein S Functional Protein S Lupus test – DRVVT KCT and Silica Clotting Time Activated Protein C Resistance (APCr)	P-HAE-F-DOC0055	PH



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HUMAN BODY FLUIDS (cont'd)	<u>Coagulation examination activities for the purpose of clinical diagnosis (cont'd)</u>	Manufacturer's instructions and documented In-house methods:	
Plasma (Sodium Citrate)	Von Willebrand antigen, activity	Stago STA Max P-HAE-F-DOC0055	PH
Plasma (Sodium Citrate)	Von Willebrand Ristocetin Cofactor Activity		
	<u>Haematology examination activities for the purpose of clinical diagnosis</u>	Manufacturer's instructions and documented In-house methods using:	
Whole blood (EDTA)	Full blood count: Haemoglobin Platelets Red Blood Cells Haematocrit MCV MCH MCHC White Cell Differential Neutrophils Lymphocytes Monocytes Eosinophils Basophils	Beckman DxH900 in house method P-HAE-P-SOP0003 using electrical impedance, photometry, laser light, flow cytometry	PH
Whole blood (EDTA)	Reticulocytes	Beckman DxH900 using in house method P-HAE-P-SOP0003	PH
Whole blood (EDTA)	Erythrocyte Sedimentation Rate (ESR)	Starrsed RS Westergren method P-HAE-P-SOP0024	PH



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HUMAN BODY FLUIDS (cont'd)	<u>Haematology examination activities for the purpose of clinical diagnosis (cont'd)</u>	Manufacturer's instructions and documented In-house methods:	
Whole blood (EDTA)	Blood film: Detection of normal and abnormal morphologies and white blood cell differential	Beckman slide stainer DxH SMS II P-HAE-P-SOP0013 Aerospray Haematology Pro Slide Stainer P-HAE-P-SOP0001	PH
Whole blood, Plasma (citrate or EDTA), Serum.	Detection of infectious mononucleosis heterophile antibodies (Glandular fever screen)	Monogen IM latex immunoassay kit P-HAE-P-SOP0009	PH
Blood Bone marrow Urine	Iron deposits	Light microscopy following Perl's Prussian Blue iron staining BS-SOP-732	PH
Whole Blood (EDTA)	Malaria screening by detection of antigens for: <i>Plasmodium falciparum</i> and pan-detection for: <i>Plasmodium malariae</i> <i>Plasmodium ovale</i> <i>Plasmodium vivax</i>	CareStart Rapydtest immunochromatographic kit P-HAE-F-DOC0025	PH
Whole Blood (EDTA)	Detection and speciation of malarial parasites: <i>Plasmodium falciparum Plasmodium malariae</i> <i>Plasmodium ovale</i> <i>Plasmodium vivax</i> <i>Plasmodium knowlesi</i>	Preparation of thick and thin films Fields stain (ProLab) and manual microscopy BS-SOP-674	PH
Whole blood (EDTA)	Screening test for Glucose 6 phosphate dehydrogenase deficiency (G6PD)	Commercial (Trinity Biotech) kit, functional enzyme colorimetric assay BS-SOP-641	PH
Urine	Qualitative detection of <i>bHCG</i>	Alere hCG cassette kit Immunochromatographic principle BS-SOP-42	PH



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HUMAN BODY FLUIDS (cont'd)	<u>Haematology examination activities for the purpose of clinical diagnosis</u> (cont'd)	Manufacturer's instructions and documented In-house methods using:	
Whole blood (EDTA)	Measurement of HbA1c	TOSOH G8 HPLC Affinon (Borate Affinity) BS-SOP-236 BS-SOP-21	PH
		Documented in-house methods to meet the requirements as defined in the current version of 'Sickle Cell and Thalassemia pregnancy screening: laboratory QA evidence requirements	PH
Whole blood (EDTA)	Adult Haemoglobinopathy screening by detection of haemoglobin variants <ul style="list-style-type: none"> • HbA • HbA2 • HbF • HbS • HbC • HbD • HbE Including analysis of variant Haemoglobins to characterise the variant or type of thalassaemia present	TOSOH G8 HPLC BS-SOP-536 BS-SOP-537	PH
Whole blood (EDTA)	2 nd line Haemoglobinopathy analysis Identification and confirmation of haemoglobin variants <ul style="list-style-type: none"> • HbA • HbA2 • HbF • HbS • HbC • HbD • HbE 	Sebia Hydragel (alkaline and acid) Hb electrophoresis BS-SOP 545 BS-SOP 546	PH
Whole blood (EDTA)	Sickle cell solubility HbS	Oxidative reduction assay using the Sickledex kit. BS-SOP-547	PH
END			