


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <b>UKAS</b> MEDICAL 9578  Accredited to ISO 15189:2012	<b>The Royal Wolverhampton NHS Trust operating as Black Country Pathology Services</b>	
	Issue No: 004    Issue date: 25 October 2021	
	Department of Haematology Russell's Hall Hospital Pensnett Road Dudley West Midlands DY1 2HQ	Contact: Victoria Banton Tel: +44 (0)1384 244047 Fax: +44 (0)1384 244034 E-Mail: victoria.banton@nhs.net Website: www.dudleygroup.nhs.uk
Testing performed by the Organization at the locations specified below		

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

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

Location details	Activity
Theatre Blood FridgeMain Theatre Recovery <b>Contact:</b> Lisa Page Russells Hall Hospital Dudley DY1 2HQ	Blood issue fridge for storage of blood product only: no testing occurs at this site.



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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 procedures based on equipment manuals and standard methods as specified below:
Whole blood: EDTA	Full Blood Count: HGB, WBC, RBC, PCV, MCV, MCH, MCHC, PLT, RDW, NEUT, LYMPH, MONO, EOS, BASO, LUC, %HYPO, Reticulocyte count	using Siemens ADVIA 2120i: SOP/H/127 SOP/H/254 SOP/H/127
Whole blood: EDTA	Reticulocyte count (manual)	In-house manual stain methods (making, staining and examination) using Nikon light microscope:  New Methylene Blue Stain: SOP/H/021
Bone marrow aspirate	Bone marrow staining for detection of microscopic cell contents and structure	May Grunwald, Giemsa and Iron stain: SOP/H/218
Pre-prepared slides	Bone trephines reporting for detection of microscopic cell contents and structure	SOP/H/218
Urine	Detection of urine Haemosiderin	Iron stain method: SOP/H/245
Whole Blood: EDTA	Detection and speciation of malaria parasites; - Plasmodium vivax, - Plasmodium falciparum - Plasmodium ovale, - Plasmodium malariae - Plasmodium knowlesi	Light microscopy using SOP/H/244:  a) Thin film by May-Grunwald staining on methanol fixed blood smears b) Thin Film by Fields stain Thick film by Giemsa MP staining kit.
Whole Blood: EDTA	Identification of: P. falciparum P. vivax P. malariae P. ovale	Using Apacor CareStart Rapydtest kit: SOP/H/244 HM900



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HUMAN BODY FLUIDS (cont'd):	<u>Haematology examination activities for the purposes of clinical diagnosis (cont'd):</u>	In house documented procedures based on equipment manuals and standard methods as specified below:
Whole Blood: EDTA	Blood Films – morphology of red cells, platelets and white cells including manual differential of white cells	using Siemens Hematek II and in-house visual examination method by light microscopy: SOP/H/012 SOP/H/126 SOP/H/009
CSF	Examination of tissues to identify or exclude morphological and cytological abnormalities for the purposes of diagnosis	using Shandon Cytospin and in-house May Grunwald and Giemsa manual stain method by light microscopy: SOP/H/210
Whole blood: EDTA	Erythrocyte Sedimentation Rate	Sedimentation rate of red cells using Starrsed RS Analyser: SOP/H/024
Whole blood/Serum: EDTA	Infectious Mononucleosis Screening / Glandular fever – heterophile antibody testing	using Clearview IM II kit: SOP/H/118
Whole blood: EDTA	Glucose-6-phosphate dehydrogenase screen	using Trinity Biotech G6PD screening kit: SOP/H/089 SOP/H/130



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HUMAN BODY FLUIDS (cont'd):  Whole blood: EDTA	<p><u>Haematology examination activities for the purposes of clinical diagnosis (cont'd):</u></p> <p>Haemoglobinopathy screen to confirm or exclude presence of haemoglobin variant and/or thalassaemia</p> <p>Hb variant confirmation</p> <p>Detection of Haemoglobin S</p> <p><u>Coagulation examination activities for the purposes of clinical diagnosis</u></p>	<p>In house documented procedures based on equipment manuals and standard methods as specified below:</p> <p>Documented -in-house methods to meet the requirements of the Sickle Cell and Thalassaemia screening programme as defined in the current version of "Sickle Cell and Thalassaemia : laboratory QA evidence requirements"</p> <p>using TOSOH G8 HPLC analyser: SOP/H/0219</p> <p>Separation of haemoglobin variants by automated Capillary electrophoresis using SEBIA Hydrasys agarose gel electrophoresis analyser: SOP/H/0220</p> <p>Manual assay using Clin-tech Clintech Sickle test kit: SOP/H/001</p>



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HUMAN BODY FLUIDS (cont'd):	<u>Coagulation examination activities for the purposes of clinical diagnosis (cont'd):</u>	In house documented procedures based on equipment manuals and standard methods as specified below:
Citrated Plasma	D-Dimer	using Werfen/ Instrumentation Laboratory ACL TOP 550: SOP/H/COAG/312
	Factor VIII, IX	SOP/H/COAG/311
	Clauss-Fibrinogen	SOP/H/COAG/338
	Heparin assay (Anti-Xa)	SOP/H/COAG/334
	Partial Thromboplastin Time (PTTK)	SOP/H/COAG/301
	Prothrombin Time (INR)	SOP/H/COAG/301
	Partial Thromboplastin Time (PTT) Mix (50/50) Prothrombin Time Mix (50/50)	SOP/H/COAG/328



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HUMAN BODY FLUIDS (cont'd):	<u>Transfusion examination activities for the purposes of clinical diagnosis</u>	In house documented procedures based on equipment manuals and standard methods as specified below:
Whole blood: EDTA	Estimation of Feto-maternal haemorrhage (Kleihauer)	using Resource Fetal Cell Detection Kit: SOP/H/BT/410
Plasma: EDTA	Crossmatch – serological compatibility testing between donor red cell antigens and patient plasma antibody.	using LISS/Coombs gel column agglutination and centrifugation, manual techniques: SOP/H/BT/404 SOP/H/BT/408
Plasma: EDTA	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).	Automated antibody screening using Biorad IH1000 analyser and LISS/Coombs gel column agglutination and centrifugation: SOP/H/BT/462
Whole blood: EDTA	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).	Manual antibody screening using Biorad Banjo and LISS/Coombs gel column agglutination and centrifugation: SOP/H/BT/404
Whole blood: EDTA	Red Cell Phenotyping for antigens of the following: A1 Lectin, Cw (mono), Fyb (poly), M (poly), N (Lectin), S (mono), s (poly), and Rh phenotype C, c, E, e, k.	using LISS/Coombs, NaCl and Rh-subgroups/K cards gel column agglutination and centrifugation, as well as tube techniques: SOP/H/BT/417
Whole blood: EDTA	Direct Coombs (Antiglobulin) Test	using Biorad IH1000 analyser, LISS/Coombs and DC-screening gel column agglutination and centrifugation: SOP/H/BT/406



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HUMAN BODY FLUIDS (cont'd):	<u>Transfusion examination activities for the purposes of clinical diagnosis (cont'd):</u>	In house documented procedures based on equipment manuals and standard methods as specified below:
Whole blood: EDTA	Infant Group and DAT (automated)	using Biorad IH1000 analyser: SOP/H/BT/462
	Infant Group and DAT (manual)	using Banjo and Diaclon ABO/Rh for Newborns DVI- cards gel column agglutination and centrifugation: SOP/H/BT/407
Whole blood & plasma: EDTA	Blood Group (Automated)	using Biorad IH1000 analyser ABO/D Forward + Reverse Grouping by gel column agglutination and centrifugation: SOP/H/BT/462
	Blood Group (Manual)	using Biorad Banjo, ABO/D Forward + Reverse Grouping by gel column agglutination and centrifugation and rapid group tube technique: SOP/H/BT/404
Plasma: EDTA	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).	Antibody Identification using Biorad Banjo, LISS/Coombs and NaCl gel column agglutination and centrifugation: SOP/H/BT/428
END		