


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <b>UKAS</b> MEDICAL <b>9146</b>  Accredited to ISO 15189:2012	<b>University Hospitals Dorset NHS Foundation Trust</b>	
	Issue No: 002 Issue date: 01 October 2020	
	<b>Haematology &amp; Blood Transfusion</b> Poole Hospital Longfleet Road Poole BH15 2JB	<b>Contact: Nathan Bourne</b> Tel: +44 (0) 300 019 4879 E-Mail: nathan.bourne@uhd.nhs.uk Website: www.uhd.nhs.uk
<b>Testing performed at the above address only</b>		

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

Location details		Activity
St Mary's Maternity Hospital (Poole Hospital) St Mary's Road Poole BH15 2JB	Local contact As above	Blood storage & issue Fridge managed by Haematology
MIU Poole Hospital BH15 2JB	As above	Blood storage & issue only Fridge managed by Haematology
BMI The Harbour Hospital St Mary's Road Poole BH15 2BH	As above	Blood storage & issue only Fridge managed by Haematology
Swanage Community Hospital Queens Road Swanage BH19 2ES	As above	Blood storage & issue 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>Blood Transfusion examinations to assist in clinical investigations</u>	Manufacturer's instructions for Ortho Platforms: AutoVue Innova Ultra and Vision and documented In-house methods:
Whole blood (EDTA)	Blood Group by 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 BS-SOP-17 (AutoVue) BS-SOP-776 (Vision) BS-SOP-201  Manual using BioVue cassettes BS-SOP-195 BS-SOP-655
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 – Le<sup>a</sup>, Le<sup>b</sup></i> <i>Lutheran – Lua</i>	Automated BS-SOP-17 (AutoVue) BS-SOP-776 (Vision) BS-SOP-201  Manual using BioVue cassettes BS-SOP-195 BS-SOP-655
Whole blood (EDTA)	Direct anti-globulin test (DAT)	Automated BS-SOP-17 (AutoVue) BS-SOP-776 (Vision)  Manual using BioVue cassettes BS-SOP-195 BS-SOP-655
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 – Le<sup>a</sup>, Le<sup>b</sup></i> <i>Lutheran – Lua</i>	Automated BS-SOP-17 (AutoVue) BS-SOP-776 (Vision)  Manual using BioVue cassettes BS-SOP-195 BS-SOP-655



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HUMAN BODY FLUIDS (cont'd)	<u>Blood Transfusion examinations to assist in clinical investigations (cont'd)</u>	Manufacturer's instructions for Ortho Platforms: AutoVue Innova Ultra and Vision and documented In-house methods:
Whole blood (EDTA)	Kleihauer test for estimation of foeto-maternal haemorrhage	ClinTech kit (Acid elution) BS-SOP-509 BS-SOP-572
Whole blood (EDTA)	Serological Crossmatch	Manual method – Ortho Biovue BS-SOP-189
	<u>Coagulation examination activities for the purpose of clinical diagnosis</u>	Manufacturer's instructions for ACL TOP 550 analyser and documented In-house methods:  BS-SOP-100, BS-SOP-778 BS-SOP-550, BS-SOP-47BS-SOP-69, BS-SOP-70 BS-SOP-774, BS-SOP-77 BS-SOP-79, BS-SOP-78 BS-SOP-53, BS-SOP-80
Plasma (sodium citrate)	PT APTT Clauss-Fibrinogen	Optical clot detection Optical clot detection Immunoturbidometric
Plasma (sodium citrate)	Activated Protein C Resistance Antithrombin Anti Xa Assay Free Protein S Lupus anticoagulant (KCT, DRVVT, SCT) Protein C Thrombin Time Factor II, V, VII, VIII, IX, X, XI, XII assays	Chromogenic Chromogenic Chromogenic Immunoturbidometric Optical  Chromogenic Optical Optical
Plasma (sodium citrate)	D-Dimer	Immunoturbidometric method using BS-SOP-61
	Derived fibrinogen	Algorithm on ACL TOP 550 CTS
Plasma (sodium citrate)	vWF analysis (Antigen)	Immunoturbidometric BS-SOP-72 BS-SOP-73 BS-SOP-78



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HUMAN BODY FLUIDS (cont'd)	<u>Coagulation examination activities for the purpose of clinical diagnosis</u>	Manufacturer's instructions for ACL TOP 550 analyser and documented In-house methods:
Plasma (sodium citrate)	vWF analysis (Activity)	Immunoturbidometric BS-SOP-72 BS-SOP-73 BS-SOP-78
Plasma (sodium citrate)	Collagen Binding Assay (CBA) Anti Beta 2 glycoprotein 1	Dynex DS2 analyser ELISA BS-SOP-50 BS-SOP-49
Whole Blood Citrate	Platelet function Analysis	PFA-100 analyser Platelet activation / adherence BS-SOP-81
	<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:	Abbott Sapphire using in house methods BS-SOP-33, BS-SOP-34 BS-SOP-41, BS-SOP-48 BS-SOP-540
	Haemoglobin Platelets Red Blood Cells Haematocrit MCV MCH MCHC White Cell Differential Neutrophils Lymphocytes Monocytes Eosinophils Basophils	Absorption spectrophotometry Optical measurement Impedance measurement Derived parameter Impedance measurement Derived parameter Derived parameter Optical measurement Optical measurement Optical measurement Optical measurement Optical measurement
Whole blood (EDTA)	Reticulocytes	Abbott Sapphire Fluorescent optical measurement BS-SOP-33 BS-SOP-34



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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 using:
Whole blood (EDTA)	Erythrocyte Sedimentation Rate (ESR)	Automated method using Coulter ALIFAX ESR analyser photometric capillary stopped flow kinetic principle using in house method BS-SOP-35
Whole blood (EDTA)	Erythrocyte Sedimentation Rate (ESR)	Manual method using Guest Scientific Dispette2 kit Modified Westergren method (manual) BS-SOP-44
Whole blood, Plasma (citrate or EDTA), Serum.	Detection of infectious mononucleosis heterophile antibodies (Glandular fever screen)	Monogen IM latex immunoassay kit BS-SOP-45
Bone marrow aspirate slides	Reporting of normal and abnormal morphologies	Abbott Sapphire BS-SOP-540 Automated MGG using Abbott SMS slide maker BS-SOP-36 Manual microscopy using Leica DM 2000, Leica DM RB, Leica DM LB and Olympus BX-53, BS-SOP-121
Whole blood (EDTA)	Identification of normal and abnormal morphologies including WBC differential count	Abbott Sapphire BS-SOP-540 Automated MGG Abbott SMS slide maker BS-SOP-36 Manual microscopy using Leica DM 2000, Leica DM RB, Leica DM LB and Olympus BX-53, BS-SOP-121
Blood Bone marrow Urine	Iron deposits	Light microscopy following Perl's Prussian Blue iron staining BS-SOP-732
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 BS-SOP-674



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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 using:
Whole Blood (EDTA)	Detection and speciation of malarial parasites: <i>Plasmodium falciparum</i> <i>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
Whole blood (EDTA)	Screening test for Glucose 6 phosphate dehydrogenase deficiency (G6PD)	Commercial (Trinity Biotech) kit, functional enzyme colorimetric assay BS-SOP-641
Urine	Pregnancy testing	Biomerieux BioNexia kit Immunochromatographic principle BS-SOP-40
Whole blood (EDTA)	Measurement of Hb A1C	TOSOH G8 HPLC Affinion (Borate Affinity) BS-SOP-236 BS-SOP-21
Whole blood (EDTA)	Adult Haemoglobinopathy screening (including antenatal) by detection of haemoglobin variants <ul style="list-style-type: none"> <li>• HbA</li> <li>• HbA2</li> <li>• HbF</li> <li>• HbS</li> <li>• HbC</li> <li>• HbD</li> <li>• HbE</li> </ul> Including analysis of variant Haemoglobins to characterise the variant or type of thalassaemia present	TOSOH G8 HPLC BS-SOP-536 BS-SOP-537



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Whole blood (EDTA)	2 <sup>nd</sup> line Haemoglobinopathy analysis Identification and confirmation of haemoglobin variants <ul style="list-style-type: none"> <li>• HbA</li> <li>• HbA2</li> <li>• HbF</li> <li>• HbS</li> <li>• HbC</li> <li>• HbD</li> <li>• HbE</li> </ul>	Sebia Hydragel (alkaline and acid) Hb electrophoresis BS-SOP 545 BS-SOP 546
Whole blood (EDTA)	Sickle cell solubility HbS	Oxidative reduction assay using the Sickledex kit.  BS-SOP-547
END		