


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <b>UKAS</b> MEDICAL  8702  Accredited to ISO 15189:2012	<b>Barts Health NHS Trust as the host of NHS East and South East London Pathology Partnership</b>	
	Issue No: 007 Issue date: 14 October 2021	
	Haematology & Blood Transfusion Pathology Department Homerton University Hospital Homerton Row London E9 6SR	Contact: Heather Dolphin Tel: +44 (0)794 793 0392 E-Mail: heather.dolphin@nhs.net Website: www.homerton.nhs.uk
Testing performed at the above address only		

Location details	Activity
<b>Blood issue room</b> Haematology & Blood Transfusion Homerton University Hospital Homerton Row London E9 6SR	Blood product storage and 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>Haematological examination activities for the purpose of clinical diagnosis</u>	In house documented methods incorporating manufacturers' instructions where relevant
Whole blood (EDTA)	Full blood count (WBC) with differential- Neutrophil, Lymphocyte, Monocyte, Eosinophil, basophil), RBC, HB, PCV, MCV, MCH, MCHC, RDW, Platelets, Reticulocyte	Sysmex XN-10 analysers on a track (XN9000) Fluorescence flow cytometry for WBC, Hydrodynamic Focussing for RBC and Platelets, Sodium Lauryl sulphate cyanide free method for Hb using SOP LP-HAE-P591, LP-HAE-P593
Plasma (EDTA)	Infectious mononucleosis screen	Antigen /antibody agglutination, using Accusay Mono one-step antibody test Kit SOP LP-HAE-P300
Whole blood (citrate)	Erythrocyte sedimentation rate (ESR)	Sarstedt Sediplus ESR analyser Sedimentation rate, using SOP LP-HAE-P350
Whole blood (EDTA)	Identification of malaria parasites <ul style="list-style-type: none"> <li>• P. falciparum</li> <li>• P. ovale</li> <li>• P. vivax</li> <li>• P. malariae</li> <li>• P. knowlesi</li> </ul>	Manual light microscopy of peripheral blood films. Manual staining of thick films by field stains (A & B), and thin films by Giemsa stain/pH 7.2. SOP LP-HAE-P346, LP-HAE-P318
	Detection of Malarial antigens of: <i>Plasmodium falciparum</i> and pan-detection for: <i>Plasmodium malariae</i> , <i>Plasmodium ovale</i> & <i>Plasmodium vivax</i>	BINAX NOW® Malaria antigen test, using monoclonal antibodies to detect P.falciparum antigen and pan malarial antigen Using SOP LP-HAE-P346
	Blood Film reporting of normal and abnormal morphologies including WBC Differential	Manual light microscopy of peripheral blood films. Manual staining and automated staining (by Sysmex SP10) SOP LP-HAE P592, LP-HAE-P318
Urine	Urinary Haemosiderin	Manual light microscopy of urine smears using manual Iron (perl's) staining method SOP, LP-HAE-P318



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HUMAN BODY FLUIDS (cont'd)	<u>Haematological examination activities for the purpose of clinical diagnosis</u> (cont'd)	In house documented methods incorporating manufacturers' instructions where relevant
Bone Marrow Aspirate slide	Detection of normal and abnormal morphologies	Manual light microscopy of bone marrow aspirate smears using manual Iron (Perl's) staining method and MGG staining (using Sysmex SP10 stainer or manual method). SOP LP-HAE-P318, LP-HAE-P605
Plasma (citrated)	Coagulation Studies	Light Transmittance using Sysmex CS-2100i
	Coagulation (clotting) screen - Prothrombin Time (PT), International Normalised ratio (INR), Activated Partial Thromboplastin Time (APTT), Fibrinogen	SOP LP-HAE-P543, LP-HAEP544, LP-HAE-P545
	Lupus Anticoagulant	SOP LP-HAE-P555
	D Dimer	Immunoassay, using Sysmex CS-2100i
	Protein S (free)	SOP LP-HAE-P549 SOP LP-HAE-P598
	Antithrombin Activity	Chromogenic using Sysmex CS-2100i
	Protein C Activity	SOP LP-HAE-P596 LP-HAE-P597
	Factor V Leiden and Prothrombin Variant (PTV) using PCR	Cepheid Gene Expert LP-MIC_P580



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HUMAN BODY FLUIDS (cont'd)	<p><u>Haematological examination activities for the purpose of clinical diagnosis</u> (cont'd)</p> <p><u>Antenatal &amp; Newborn Screening</u></p>	<p>In house documented methods incorporating manufacturers' instructions where relevant</p> <p>Documented -in-house methods to meet the requirements of the Sickle Cell and thalassaemia screening programme(s) as defined in the July 2018 'NHS Sickle Cell and thalassaemia screening: laboratory QA evidence requirements"</p>
Whole blood (EDTA)	<p>Haemoglobinopathy screen (HBOP) for Abnormal Haemoglobins</p> <p>Detection of Haemoglobin Variants Haemoglobin S Haemoglobin C Haemoglobin E Haemoglobin D Haemoglobin F Haemoglobin O Arab Haemoglobin Lepore</p>	<p>High performance liquid chromatography, using Biorad Variant II SOP LP-HAE-P601</p> <p>Confirmatory testing using using Cellulose Acetate Electrophoresis, Electrophoresis tank, SOP: LP-HAE-P445,LP-HAE-P446</p>
Whole blood (EDTA)	<p>Sickle cell screen Qualitative test to detect the presence of haemoglobin S</p> <p><u>Blood Transfusion examinations to assist in clinical investigations</u></p>	<p>Manual solubility test, using SOP LP-HAE-P441</p>
Whole blood (EDTA)	<p>ABO/RhD grouping by detection of following antigens; Antigen A Antigen B Antigen AB RhD antigens</p>	<p>Biorad IH-1000 Analyser and manual methods of antigen and antibody interactions, using SOP LP-BTS-P402 LP-BTS-P403 LP-BTS-P401</p>



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	Antibody screening and identification by IAT technique, anti bodies identified are (C, c, D, E, e. ) K, k, Fya, Fyb, Jka, Jkb, S, s, M, N, P1, Lea, Leb, Lu(a), Kp(a)	manual, Antigen and antibody interaction, using SOP LP-BTS-P707
HUMAN BODY FLUIDS (cont'd)  Whole blood (EDTA)	<p><u>Blood Transfusion examinations to assist in clinical investigations</u> (cont'd)</p> <p>Phenotyping of the following redcell antigens: C, c, E, e, K, k, Fya, Fyb, Jka, Jkb, S, s, M, N, P1, Lea, Leb, , Lu(a), , Kp(a) performed individually</p> <p>Titration of Antibodies in plasma. C, c, E, e, K, k, Fya, Fyb, Jka, Jkb, S, s, M, N, , Lu(a), Lub, Kp(a) Kp<sup>b</sup></p> <p>Eluate of Antibodies Rh, K, k, Fya, Fyb, S, s, M, N, P1, Lea, Leb, Jka, Jkb, Lu(a), Kp(a)</p> <p>Cross matching - Compatibility testing of recipient's plasma against donor's red cells</p> <p>Kleihauer Test-for foetal/maternal bleed estimation</p> <p>Detection of haemoglobin F in patients suspected of hereditary persistence of foetal haemoglobin and <math>\delta\beta</math> thalassaemia</p> <p>Direct antiglobulin test (DAT)</p>	<p>In house documented methods incorporating manufacturers' instructions where relevant</p> <p>Manually, Antigen and antibody interaction, by IAT Bio-Rad cards or tubes. using SOP LP-BTS-P411</p> <p>Manually, Antigen and antibody interaction by IAT Bio-Rad cards using SOP LP-BTS-P408</p> <p>Manually, Antigen and antibody interaction by IAT Bio-Rad cards. using SOP LP-BTS-P415</p> <p>Manually and electronic issue using SOP LP-BTS-P405</p> <p>Manual light microscopy using manual Field's staining method, using SOPs LP-BTS-P407</p> <p>LP-HAE-P455</p> <p>Manually, Antigen and antibody interaction, using Bio-Rad cards SOPs LP-BTS-P406, LP-BTS-P403</p>
END		