


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>UKAS MEDICAL 8030</p> <p>Accredited to ISO 15189:2012</p>	<h3>South Eastern Health and Social Care Trust</h3> <p>Issue No: 005 Issue date: 27 September 2021</p>	
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<p>Testing performed at the above address only</p>		

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
<p>HUMAN BODY FLUIDS AND TISSUES</p> <p>Whole Blood</p>	<p><u>Haematology Testing for the purpose of clinical diagnosis</u></p> <ul style="list-style-type: none"> • Red Blood Cell count <p>Full Blood Count Analysis</p> <ul style="list-style-type: none"> • Haemoglobin estimation • Red Cell and platelet counts • Haematocrit • Differential WCC and Reticulocytes <ul style="list-style-type: none"> • MCV • MCH • MCHC • Citrated platelet count • Nucleated RBC count <p>Plasma Viscosity</p> <p>Erythrocyte sedimentation rate</p>	<p>Manufacturers instructions and Documented In-house methods using:</p> <p>Sysmex XN 9000, XN 10 and XN 20 [LAB-HAEM-14] Methodologies used : Light absorbance Electrical impedance, Flow cytometry</p> <p>By Calculation</p> <p>Electrical impedance and flow cytometry</p> <p>Benson Viscometer detected by resistance of plasma flow through a capillary under a constant vacuum; [LABH HAEM-87]</p> <p>Starrsed Interliner analyser By electronic detection of interface [LABH HAEM-2]</p>



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<p>HUMAN BODY FLUIDS AND TISSUES (cont'd)</p> <p>Whole blood (cont'd)</p> <p>Bone marrow</p>	<p><u>Haematology Testing for the purpose of clinical diagnosis (cont'd)</u></p> <p>Erythrocyte sedimentation rate</p> <p>Film examination and reporting of normal and abnormal morphologies Manual white cell differential</p> <p>Bone Marrow examination and reporting of normal and abnormal morphologies</p> <p>Malarial Parasite Detection</p> <ul style="list-style-type: none"> • P.falciparum • Non- P.falciparum <p>Malarial Parasite Identification</p> <ul style="list-style-type: none"> • P.falciparum • P. malariae • P. ovalae • P. vivax • P. knowelsii <p>Plasmodium falciparum speciation and enumeration</p> <p>HbS</p>	<p>Manufacturers instructions and Documented In-house methods using:</p> <p>Documented manual procedure by visual detection of interface Westergren [LABH HAEM-3 manual]</p> <p>May Grunwald Giemsa stain (manual staining) Romanowsky stain (Automated (Aerospray) stainer) [LABH HAEM-, 23, & 8] using microscopy [LABH HAEM-7]</p> <p>Perls Prussian blue May Grunwald Giemsa stain Romanowsky stain [LABH HAEM-22, 23, & 8]</p> <p>BioRad Optimal IT Inverness Medical Binax Now Malaria [LABH HAEM-27, 28, 29, 30,& 31]</p> <p>Field Stain & Microscopy [LABH HAEM-27, 30] Romanowsky stain (Automated (Aerospray) stainer) and/or Giemsa pH7.2 stain & Microscopy with thin and thick film examination [LABH HAEM-8, 30 &31]</p> <p>Streck Laboratories Sickledex Kit Detection by Saponin RBC lysis and Haemoglobin reduction [LABH HAEM-26]</p>



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<p>HUMAN BODY FLUIDS AND TISSUES (cont'd)</p> <p>Whole Blood</p>	<p><u>Haematology Testing for the purpose of clinical diagnosis</u> (cont'd)</p> <p>Coagulation:</p> <ul style="list-style-type: none"> • APTT • Fibrinogen • PT/INR • Factor II • Factor V • Factor VII • Factor VIII • Factor IX • Factor X • Factor XI • Factor XII • Lupus anticoagulant • Activated Protein C resistance • D Dimer • Protein S • AntithrombinIII • Protein C 	<p>Manufacturers instructions and Documented In-house methods using:</p> <p>Werfen ACL TOP 550 analysers using: Clot detection methodology SOP: LABH COAG 6, 7, 3, 8, 14, , 44, 16, 47, 49, 45, 31</p> <p>Immunoturbidimetric latex agglutination Chromogenic detection</p>



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HUMAN BODY FLUIDS AND TISSUES (cont'd)	<u>Blood Transfusion Testing for the purpose of clinical diagnosis'</u>	Manufacturers instructions and Documented In-house methods using:
Blood (red cells)	<ul style="list-style-type: none">Blood Group A, B, O and AB groupsRh groups, anitigens-; C, c, D, E, e,Kell blood group system, antigens: K	BioRad IH 500 & Gel cards and agglutination interface detection [LABH HBB-137]
	Manual Blood Group/Phenotype	Manual tube technique using Immucor anti sera [LABH HBB-3 , 4 and 30]
	<ul style="list-style-type: none">A, B, O and AB groupsRh groups, anitigens-; C, c, D, E, e,Kell blood group system, antigens: KKidd blood group system, antigens: - Jk^a, Jk^b,Duffy blood group system, antigens:- Fy^a, Fy^b,MNS blood group system, antigens: M, N, S, s,Lewis blood group system, antigens: Le^a, Le^b,	
Blood (plasma)	Antibody Detection	BioRad IH500Gel cards and agglutination interface detection using 3 cell screen Coombs and 3 cell enzyme [LABH HBB-137, LABH HBB-5]



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HUMAN BODY FLUIDS AND TISSUES (cont'd)	<u>Blood Transfusion Testing for the purpose of clinical diagnosis</u> (cont'd)	Manufacturers instructions and Documented In-house methods using:
Blood (plasma) (cont'd)	Antibody identification <ul style="list-style-type: none"> • A, B, O and AB groups • Rh groups, anitigens: C, c, D, E, e, • Kell blood group system, antigens: K • Kidd blood group system, antigens: Jka, Jkb • Duffy blood group system, antigens: Fya, Fyb • MNS blood group system, antigens: M, N, S, s • Lewis blood group system, antigens: Lea,Leb 	Using Bio Rad IH500 & Gel cards and agglutination interface detection using 11 cell screen (LISS/Coombs & enzyme) [LABH HBB-137, LABH HBB-30 And LABH HBB-6]
Blood (red cells)	Direct Coombs test	Using BioRad IH 500 & Gel cards and visusal detection of interface [LABH HBB-137]
Plasma/Cells	Direct Coombs Test	Manual procedures by tube technology-red cell agglutination, macroscopic visual detection [LABH HBB-41]
Plasma/Cells	Compatibility testing of patients plasma with donor cells	Using BioRad IH500 & Gel cards and visusal detection of interface [LABH HBB-137] Manual procedures by tube technology-red cell agglutination, macroscopic visual detection [LABH HBB-7]
Whole blood	Quantitation of foetal bleed in maternal circulation (ml)	Immucor/staining – Kleihauer acid elution technique and detection of a foetal cells and calculation of foetal maternal bleed [LABH HBB-9]
END		