


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>8030</p> <p>Accredited to ISO 15189:2022</p>	<p align="center">South Eastern Health & Social Care Trust</p> <p align="center">Issue No: 007 Issue date: 27 March 2025</p>	
	<p>Haematology & Blood Transfusion Laboratory</p> <p>Ulster Hospital</p> <p>Upper Newtownards Road</p> <p>Dundonald</p> <p>BT16 1RH</p>	<p>Contact: Darren Crawford</p> <p>Tel: +44 (0) 28 9041 1565</p> <p>Fax: +44 (0) 28 9048 7131</p> <p>E-Mail: Darren.crawford@setrust.hscni.net</p> <p>Website: www.setrust.hscni.net</p>
<p align="center">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 Full Blood Count Analysis Haemoglobin estimation Red Cell and platelet counts Haematocrit Differential WCC and Reticulocytes 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 and LABH HAEM-5]</p> <p>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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HUMAN BODY FLUIDS AND TISSUES (cont'd)	<u>Haematology Testing for the purpose of clinical diagnosis (cont'd)</u>	Manufacturers instructions and Documented In-house methods using:
Whole blood (cont'd)	Erythrocyte sedimentation rate	Documented manual procedure by visual detection of interface Westergren [LABH HAEM-3 manual]
	Film examination and reporting of normal and abnormal morphologies Manual white cell differential	May Grunwald Giemsa stain (manual staining) Romanowsky stain (Automated (Aerospray) stainer) [LABH HAEM-, 8, 23, 25, 32] using microscopy [LABH HAEM-7]
Bone marrow	Bone Marrow examination and reporting of normal and abnormal morphologies	Perls Prussian blue May Grunwald Giemsa stain Romanowsky stain [LABH HAEM-22, 23, & 8]
	Malarial Parasite Identification <ul style="list-style-type: none"> • P.falciparum • P. malariae • P. ovalae • P. vivax • P. knowelsii 	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]
	Plasmodium falciparum speciation and enumeration	
	HbS	Streck Laboratories Sickledex Kit Detection by Saponin RBC lysis and Haemoglobin reduction [LABH HAEM-26]



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HUMAN BODY FLUIDS AND TISSUES (cont'd) Whole Blood	<u>Haematology Testing for the purpose of clinical diagnosis (cont'd)</u> Coagulation: <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	Manufacturers instructions and Documented In-house methods using: Werfen ACL TOP 550 analysers using: Clot detection methodology SOP: LABH COAG 6, 7, 3, 8, 14, , 44, 16, 47, 49, 45, 31 Immunoturbidimetric latex agglutination Chromogenic detection



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<p>HUMAN BODY FLUIDS AND TISSUES (cont'd)</p> <p>Blood (red cells)</p>	<p><u>Blood Transfusion Testing for the purpose of clinical diagnosis'</u></p> <ul style="list-style-type: none"> Blood Group A, B, O and AB groups Rh groups, anitigens-; C, c, D, E, e, Kell blood group system, antigens: K <p>Manual Blood Group/Phenotype</p> <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: - 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, 	<p>Manufacturers instructions and Documented In-house methods using:</p> <p>BioRad IH 500 & Gel cards and agglutination interface detection [LABH HBB-137]</p> <p>Manual tube technique using Immucor anti sera [LABH HBB-3 , 4 and 30]</p>
<p>Blood (plasma)</p>	<p>Antibody Detection</p>	<p>BioRad IH500 Gel cards and agglutination interface detection using 3 cell screen Coombs and 3 cell enzyme [LABH HBB-137, LABH HBB-5]</p>



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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, antigens: 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 visual detection of interface [LABH HBB-137]
	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 visual detection of interface [LABH HBB-137] Manual procedures by tube technology-red cell agglutination, macroscopic visual detection [LABH HBB-7]
END		