


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 8824 Accredited to ISO 15189:2012	Western Health and Social Care Trust	
	Issue No: 003 Issue date: 01 April 2022	
	Department of Haematology and Blood Transfusion Laboratory Altnagelvin Hospital Glenshane Road Londonderry BT47 6SB United Kingdom	Contact: Adrian Crawford Tel: +44 (0)2871345171 Ext 213789 / 213830 Fax: +44 (0)2871313036 E-Mail: Adrian.crawford@westerntrust.hscni.net Website: www.westerntrust.hscni.net
Testing performed at the above address only		

Site activities performed away from the location listed above:

Location details		Activity
Address Blood Transfusion Laboratory Altnagelvin Hospital	Local Contact Adrian Crawford Veronica McBride	Management of 3 blood fridges
Surgical Ward North West Independent Hospital Church Hill House Main street Ballykelly BT49 9HS	Adrian Crawford Veronica McBride Fiona Carmichael	Management of 1 blood fridge in surgical ward



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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	Haematology examination activities <u>for the purpose of clinical diagnosis</u>	Manufacturer's instructions and documented In-house methods using:
Blood	Full Blood Count <ul style="list-style-type: none"> - Haemoglobin - White blood cell count - Red blood cell count - Platelet count - White blood cell differential count - Reticulocyte count - Nucleated Red Blood Cell Count (NRBC) - Mean Corpuscular Volume - Mean Corpuscular Haemoglobin - Mean Corpuscular Haemoglobin Concentration - Haematocrit, - Red Cell Distribution Width 	Sysmex XE-2100 analyser Using cyanide-free sodium lauryl sulphate (SLS), DC sheath flow detection method, and fluorescence flow cytometry methodology. Key SOPs Haem/1 Haem/18 -> 42
Blood films	Reporting of normal and abnormal morphologies including manual differential	Automated Romanowsky staining using Wescor Aerospray 7120. Automated May-Grunwald Giemsa staining using Sysmex SP1000i Microscopy using Nikon E600 & Olympus BX51. Key SOPs Haem/33-36 Haem 42 Haem/290-295
Blood	Erythrocyte Sedimentation Rate (ESR)	StaRRsed Interrliner ESR analyser. Principle: Westergren method Key SOPs Haem/37-40 Haem/296



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HUMAN BODY FLUIDS (cont'd)	<u>Haematology examination activities for the purpose of clinical diagnosis</u> (cont'd)	Manufacturer's instructions and documented In-house methods using:
Bone Marrow Aspirates	Reporting of normal and abnormal morphologies	Automated Romanowsky staining using Wescor Aerospray 7120 stainer. Manual Perl's stain Microscopy using Nikon E600 & Olympus BX51. Key SOPs Haem/33-36 Haem 42 Haem/290-295 HAEM/329 (Perl's stain)
Bone Marrow Trephines	Reporting of normal and abnormal morphologies	Microscopy using Nikon E600 & Olympus BX51. Key SOPs Haem/33-36 Haem 42 Haem/290-295
Blood	Screening for the presence of malaria parasites	Carestart Malaria RDT Kit. Thin films using manual Giemsa stain Key SOPs Haem/299 Haem/300
Blood	Detection of infectious mononucleosis heterophile antibodies	Clearview Infectious Mononucleosis (IM) Kit. Qualitative immunoassay kit. Key SOP Haem/298



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HUMAN BODY FLUIDS (cont'd)	<u>Haematology examination activities for the purpose of clinical diagnosis</u> (cont'd)	instructions and documented In-house methods using:
Blood	Detection of haemoglobin S (Hb-S),	Sickle-chex kit. Principle: relative insolubility of Haemoglobin S when combined with buffer and a reducing agent Key SOP Haem/ 303
	<u>Blood Transfusion examination activities for the purpose of clinical diagnosis</u>	Manufacturer's instructions and documented In-house methods using: Bio-Rad IH-1000 analysers Manual Bio-Rad Gelcard Method Manual Tube method. Key SOPs BloodBank1-135
Blood	Blood Grouping A, B, AB, O	
Blood	Group & Coombs for blood grouping of babies up to 4 months: A, B, AB, O	
Blood	Screening for clinically significant antibodies of the following systems: <ul style="list-style-type: none"> • Rhesus • Kell • Duffy • Kidd • Lewis • MNS • P • Lutheran systems 	



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HUMAN BODY FLUIDS (cont'd)	<u>Blood Transfusion examination activities for the purpose of clinical diagnosis</u> (cont'd)	Manufacturer's instructions and documented In-house methods using:
Blood	Antigen phenotyping and genotyping	Bio-Rad IH-1000 analysers Manual Bio-Rad Gelcard Method Manual Tube method.
Blood	Clinically significant antigens of the following systems: <ul style="list-style-type: none"> • Rhesus • Kell • Duffy • Kidd • Lewis • MNS • P • Lutheran systems 	Key SOPs BloodBank1-135
Blood	Identification of clinically significant antibodies of the following systems: <ul style="list-style-type: none"> • Rhesus • Kell • Duffy • Kidd • Lewis • MNS • P • Lutheran systems 	
Blood	Crossmatch	
Blood	Direct Antiglobulin test	
Blood	Indirect Antiglobulin test	



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HUMAN BODY FLUIDS (cont'd)	<u>Blood Transfusion examination activities for the purpose of clinical diagnosis</u> (cont'd)	Manufacturer's instructions and documented In-house methods using
Blood	Kleihauer Test for estimation of foeto-maternal haemorrhage	Manual staining method using Inverclyde Foetal Red Cell Detection Kit. Key SOP BloodBank/123 – Feto -Maternal Kleihauer testing
	<u>Coagulation examination activities for the purpose of clinical diagnosis</u>	Manufacturer's instructions and documented In-house methods using Sysmex CS-2100 Coagulation analyser with chromogenic, immunoassay and aggregation methods. Key SOPs Coag/89 Coag 132 -> 158 Coag 168 Coag 172
Blood	Blood Coagulation: <ul style="list-style-type: none"> • Anti-Xa Assay • Activated Protein C Resistance • PT • APTT • Fibrinogen • D-Dimer • International Normalised Ratio (INR) • Lupus Anticoagulant • Protein C • Protein S • Thrombin Time • Antithrombin III 	
Blood	Coagulation Factor Assays: 1 stage clotting assays for Factors II, V, VII, VIII, IX, X, XI, XII	



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HUMAN BODY FLUIDS Urine	<u>Miscellaneous examination activities for the purpose of clinical diagnosis</u> Pregnancy Test: Qualitative detection of human chorionic gonadotropin	Manufacturer's instructions and documented In-house methods using: Alere hCG Cassette 25mIU/ml. Key SOP Haem/297
END		