


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <b>Accredited to ISO 15189:2012</b>	<b>Western Health &amp; Social Care Trust</b>	
	<b>Issue No: 003    Issue date: 01 April 2022</b>	
	<b>Department of Haematology and Blood Transfusion Laboratory South West Acute Hospital  Irvinestown Road Enniskillen BT74 4RT</b>	<b>Contact: Adrian Crawford Tel: +44 (0) 2871 345 171 ext 213789 Fax: +44 (0) 2871 313036 E-Mail: <a href="mailto:Adrian.crawford@westerntrust.hscni.net">Adrian.crawford@westerntrust.hscni.net</a></b>
Testing performed at the above address only		

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

Location details		Activity
<b>Address</b>  Blood Transfusion Laboratory, South West Acute Hospital, Enniskillen	<b>Local Contact</b>  Adrian Crawford	Management of blood fridges  3 Blood Fridges, 2 Freezers
Tyrone County Hospital Cardiac Assessment Unit Tyrone County Hospital Omagh	Adrian Crawford	Management of blood fridges  Cardiac Assessment Unit (1 fridge)



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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>Haematology examination activities 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"> <li>- Haemoglobin</li> <li>- White blood cell count</li> <li>- Red blood cell count</li> <li>- Platelet count</li> <li>- White blood cell differential count</li> <li>- Reticulocyte count</li> <li>- Nucleated Red Blood Cell Count (NRBC)</li> </ul>	Sysmex XE-2100  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	Stainers: Siemens Hematek stainer  Haematology Microscopes: 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
Blood	Screening for the presence of malaria parasites	Carestart Malaria RDT Kit.  Thin films using manual Giemsa stain  Key SOPs Haem/299 Haem/300



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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:
Blood	Detection of infectious mononucleosis heterophile antibodies	Clearview Infectious Mononucleosis (IM) Kit.  Qualitative immunoassay kit.  Key SOP Haem/298
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
HUMAN BODY FLUIDS	<u>Blood Transfusion examination activities for the purpose of clinical diagnosis</u>	Manufacturer's instructions and documented In-house methods using:
Blood	Blood Grouping  A, B, AB, O	Automated methods using Bio-Rad IH-1000 Analysers Manual Bio-Rad Gelcard method Manual Tube Method  Key SOPs BloodBank 135 Bloodbank 104 Bloodbank/37/38/39



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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	Screening for clinically significant antibodies of the following systems: <ul style="list-style-type: none"> <li>• Rhesus</li> <li>• Kell</li> <li>• Duffy</li> <li>• Kidd</li> <li>• Lewis</li> <li>• MNS</li> <li>• P</li> <li>• Lutheran systems</li> </ul>	Automated methods using Bio-Rad IH-1000 Analysers Manual Bio-Rad Gelcard method  Key SOPs BloodBank 135 Bloodbank 77
Blood	Antigen phenotyping and genotyping of clinically significant antigens of the following systems: <ul style="list-style-type: none"> <li>• Rhesus</li> <li>• Kell</li> <li>• Duffy</li> <li>• Kidd</li> <li>• Lewis</li> <li>• MNS</li> <li>• P</li> <li>• Lutheran systems</li> </ul>	Key SOPs Bloodbank 135 Bloodbank 83
Blood	Group & Coombs for blood grouping of babies up to 4 months: A, B, AB, O	Key SOPs BloodBank 135 Bloodbank 104
Blood	Cross matching	Methods as above plus Manual Tube method.  Key SOPs BloodBank 135 Bloodbank 78



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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	Direct Antiglobulin test	Automated methods using Bio-Rad IH-1000 Analysers Manual Bio-Rad Gelcard method Key SOPs  BloodBank 135 Bloodbank 43
Blood	Indirect Antiglobulin test	Key SOPs  BloodBank 135 Bloodbank 43
Blood	Identification of clinically significant antibodies of the following systems: <ul style="list-style-type: none"> <li>• Rhesus</li> <li>• Kell</li> <li>• Duffy</li> <li>• Kidd</li> <li>• Lewis</li> <li>• MNS</li> <li>• P</li> <li>• Lutheran systems</li> </ul>	Key SOPs  BloodBank 79 BloodBank 135 Bloodbank 79
Blood	Kleihauer Test for estimation of foeto-maternal haemorrhage	Manual staining method using Inverclyde Foetal Red Cell Detection Kit.  Key SOP BloodBank1-135



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HUMAN BODY FLUIDS (cont'd)	<u>Coagulation examination activities for the purpose of clinical diagnosis</u>	Manufacturer's instructions and documented In-house methods
Blood	<p>Blood Coagulation:</p> <ul style="list-style-type: none"> <li>• Anti-Xa Assay</li> <li>• Activated Protein C Resistance</li> <li>• PT</li> <li>• APTT</li> <li>• Fibrinogen</li> <li>• D-Dimer</li> <li>• International Normalised Ratio (INR)</li> <li>• Lupus Anticoagulant</li> <li>• Protein C</li> <li>• Protein S</li> <li>• Thrombin Time</li> <li>• Antithrombin III</li> </ul>	<p>using Sysmex CS-2100</p> <p>Coagulation analysers with chromogenic, immunoassay and aggregation methods.</p> <p>Key SOPs Coag/89 Coag 132 -&gt; 158 Coag 168 Coag 172 Coag 215-&gt; 216</p>
Urine	<p><u>Miscellaneous examination activities for the purpose of clinical diagnosis</u></p> <p>Qualitative detection of human chorionic gonadotropin</p>	<p>Manufacturer's instructions and documented In-house methods using:</p> <p>Alere Pregnancy Test Kit.</p> <p>Key SOP Haem/297</p>
END		