


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

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

Testing performed at the above address only

Site activities performed away from the location listed above:

| Location details   |   | Activity                                      |
|--|---|---|
| <b>Address</b><br>Blood Transfusion Laboratory<br>Altnagelvin Hospital   | <b>Local Contact</b><br>Adrian Crawford<br>Veronica McBride | Management of 3 blood fridges                 |
| Surgical Ward<br>North West Independent Hospital<br>Church Hill House<br>Main street<br>Ballykelly<br>BT49 9HS | Adrian Crawford<br>Veronica McBride<br>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         | <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> <li>- Mean Corpuscular Volume</li> <li>- Mean Corpuscular Haemoglobin</li> <li>- Mean Corpuscular Haemoglobin Concentration</li> <li>- Haematocrit,</li> <li>- Red Cell Distribution Width</li> </ul> | Sysmex XE-2100 analyser<br><br>Using cyanide-free sodium lauryl sulphate (SLS), DC sheath flow detection method, and fluorescence flow cytometry methodology.<br><br>Key SOPs<br>Haem/1<br>Haem/18 -> 42                                  |
| Blood films               | Reporting of normal and abnormal morphologies including manual differential  | Automated Romanowsky staining using Wescor Aerospray 7120.<br><br>Automated May-Grunwald Giemsa staining using Sysmex SP1000i<br><br>Microscopy using Nikon E600 & Olympus BX51.<br><br>Key SOPs<br>Haem/33-36<br>Haem 42<br>Haem/290-295 |
| Blood                     | Erythrocyte Sedimentation Rate (ESR)   | StaRRsed Interrliner ESR analyser.<br><br>Principle: Westergren method<br><br>Key SOPs<br>Haem/37-40<br>Haem/296  |



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



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| HUMAN BODY FLUIDS<br>(cont'd) | <u>Haematology examination activities for the purpose of clinical diagnosis</u><br>(cont'd)  | instructions and documented In-house methods using:   |
| Blood                         | Detection of haemoglobin S (Hb-S),   | Sickle-chex kit.<br><br>Principle: relative insolubility of Haemoglobin S when combined with buffer and a reducing agent<br><br>Key SOP<br>Haem/ 303  |
|                               | <u>Blood Transfusion examination activities for the purpose of clinical diagnosis</u>  | Manufacturer's instructions and documented In-house methods using:<br><br>Bio-Rad IH-1000 analysers<br>Manual Bio-Rad Gelcard Method<br>Manual Tube method.<br><br>Key SOPs<br>BloodBank1-135 |
| Blood                         | Blood Grouping<br><br>A, B, AB, O  |   |
| Blood                         | Group & Coombs for blood grouping of babies up to 4 months:<br>A, B, AB, O   |   |
| 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> |   |



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| HUMAN BODY FLUIDS<br>(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<br>Manual Bio-Rad Gelcard Method<br>Manual Tube method. |
| Blood                         | 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<br>BloodBank1-135  |
| 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> |   |
| Blood                         | Crossmatch   |   |
| Blood                         | Direct Antiglobulin test   |   |
| Blood                         | Indirect Antiglobulin test   |   |



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| HUMAN BODY FLUIDS<br>(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.<br><br>Key SOP<br>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.<br><br>Key SOPs<br>Coag/89<br>Coag 132 -> 158<br>Coag 168<br>Coag 172 |
| Blood                         | Blood Coagulation: <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> |  |
| Blood                         | Coagulation Factor Assays:<br>1 stage clotting assays for Factors II, V, VII, VIII, IX, X, XI, XII  |  |



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