

# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <p>Accredited to ISO 15189:2012</p>	<b>The North Bristol NHS Trust</b> <b>Issue No: 006 Issue date: 31 October 2024</b>	
	Department of Haematology & Blood Transfusion Pathology Sciences Building Southmead Hospital Westbury on Trym Bristol BS10 5NB	Contact: Mrs Halina Collingbourne Tel: +44 (0) 117 4148354 Fax: +44 (0) 117 4148355 E-Mail: <a href="mailto:halina.collingbourne@nbt.nhs.uk">halina.collingbourne@nbt.nhs.uk</a> Website: <a href="http://www.nbt.nhs.uk/severnpathology">http://www.nbt.nhs.uk/severnpathology</a>
Testing performed at the above address only		

### Laboratory locations:

Location details	Activity
<b>Address</b> Department of Haematology & Blood Transfusion Pathology Sciences Building Southmead Hospital Westbury on Trym Bristol BS10 5NB	<b>Contact details:</b> Contact: Mrs Halina Collingbourne Tel: +44 (0) 117 4148354 Fax: +44 (0) 117 4148355 E-Mail: <a href="mailto:halina.collingbourne@nbt.nhs.uk">halina.collingbourne@nbt.nhs.uk</a> Website: <a href="http://www.nbt.nhs.uk/severnpathology">http://www.nbt.nhs.uk/severnpathology</a>
	Haematology Coagulation Blood Transfusion Sickle cell and thalassaemia screening

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

Location details	Activity
Central Delivery Suite (Maternity Department) Southmead Hospital	Storage of Blood products
Brunel Building Level 0 Southmead Hospital	Storage of Blood products
Brunel Building Level 1 Southmead Hospital	Storage of Blood products
Brunel Building Level 2 Southmead Hospital	Storage of Blood products
Brunel Building Level 3 Southmead Hospital	Storage of Blood products
Brunel Building Level 5 Southmead Hospital	Storage of Blood products



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Location details	Activity
Emersons Green NHS Treatment Centre The Brooms Emersons Green Bristol BS16 7FH	Storage of Blood products
Devizes NHS Treatment Centre Marshall Road Devizes Wiltshire SN10 3UF	Storage of Blood products
Air Ambulance Wiltshire Air Ambulance Charitable Trust Outmarch Semington Wiltshire BA14 6JX	Storage of Blood products



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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	<b><u>Haematological examination activities for the purpose of clinical diagnosis</u></b>	Manufacturer's instructions for equipment and kits in conjunction with inhouse documented procedures
Plasma	Plasma Viscosity	Benson Viscometer capillary viscosity HA/HA/SOP/013
Whole Blood (EDTA)	Malarial Parasite detection and speciation <ul style="list-style-type: none"> <li>• <i>P. falciparum</i></li> <li>• <i>P. vivax</i></li> <li>• <i>P. ovale</i></li> <li>• <i>P. malariae</i></li> <li>• <i>P. knowlesi</i></li> </ul>	manual film preparation, Giemsa and Fields stain and light microscopy HA/HA/SOP/003
	Detection of HRP2 and PLDH for identification of <i>P. falciparum</i> and differentiation from other malarial sp.	Diasys Carestart Kit manual method HA/HA/SOP/003
Venous Whole Blood: EDTA	Morphological assessment of blood films	Manual staining ClinTech May Grunwald and BDH Giemsa HA/HA/SOP/022  HA/HA/SOP/057 – Review and Authorisation of results  HA/HA/SOP/067 Winpath – Medical review  Manual examination microscopes  Digital microscopy DI-60 and CellaVision software or microscope HA/HA/SOP/056
	Glucose-6-Phosphate Dehydrogenase screen (G6PD)	Trinity Biotech qualitative G6PD screening kit manual method HA/HA/SOP/085
	Infectious Mononucleosis screen (heterophile antibody)	DIAQUICK Mononucleosis cassette pack in conjunction with in-house method HA/HA/SOP/016



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<p>HUMAN BODY FLUIDS (cont'd)</p> <p>Venous Whole Blood: EDTA</p> <p>Urine</p> <p>Bone marrow</p>	<p><b><u>Haematological examination activities for the purpose of clinical diagnosis</u></b> (cont'd)</p> <p>Haemoglobinopathies Screening for Abnormal Haemoglobins</p> <p>Haemoglobin S screen</p> <p>Identification and quantification of normal and abnormal Haemoglobins: A, A2, F, S, D, C, E, Lepore O<sup>Arab</sup>, G, Philadelphia, other Haemoglobins with an abnormal retention time.</p> <p>HbA1C</p> <p>Detection of Urine Haemosiderin</p> <p>Detection of abnormal and normal Bone Marrow morphologies and Iron stores</p>	<p>Documented -in-house methods to meet the requirements of the Sickle Cell and Thalassaemia screening programme as defined in the July 2018 SCT screening: laboratory QA evidence requirements'</p> <p>Sebia Capillarys 3 TERA capillary zone electrophoresis HA/HA/SOP/093 HA/HA/SOP/092</p> <p>Helena Biosciences Sickle Solubility kit. HA/HA/SOP/021</p> <p>Iso-Electric Focussing CSL Flatbed Focussing unit HA/HA/SOP/017</p> <p>Sebia Capillarys 3 TERA capillary zone electrophoresis and in house method HA/HA/SOP/094 HA/HA/SOP/092</p> <p>Manufacturer's instructions for equipment and kits in conjunction with inhouse documented procedures</p> <p>ClinTech Perls' Iron stain manual method HA/HA/SOP/011</p> <p>ClinTech May Grunwald and BDH Giemsa manual method HA/HA/SOP/022 Perls' Iron Staining manual method HA/HA/SOP/011</p>



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<p>HUMAN BODY FLUIDS (cont'd)</p> <p>Venous Whole Blood: EDTA</p>	<p><b><u>Haematological examination activities for the purpose of clinical diagnosis</u></b> (cont'd)</p> <p>Antibody screening and identification</p> <p>A B and O and detection of Anti-Sera (reverse group)</p> <p>A B and O groups and detection of Anti-Sera (reverse group) -Anti A -Anti B</p> <p>A1 typing</p> <p>Rh groups, antigens; , C, c, D, E, e, K</p>	<p>Manufacturer's instructions for equipment and kits in conjunction with inhouse documented procedures</p> <p>NEO Iris Capture technology HA/BB/SOP/130 HA/BB/SOP/131 HA/BB/SOP/132</p> <p>Manual grouping HA/BB/SOP/061</p> <p>Manual A1 typing HA/BB/SOP/058</p> <p>Gel Card Rh &amp; Kell Phenotype Manual Method Grifols IAT cards HA/BB/SOP/060</p>



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HUMAN BODY FLUIDS (cont'd)	<b><u>Transfusion examination activities for the purpose of clinical diagnosis</u></b>	Manufacturer's instructions for equipment and kits in conjunction with inhouse documented procedures
Venous Whole Blood: EDTA	Blood Grouping Detection of antigens:  Kell: K, Kidd: Jk <sup>a</sup> , Jk <sup>b</sup> , Duffy: Fy <sup>a</sup> , Fy <sup>b</sup> , MNS: M, S, s  Antibody detection:  Rh: anti-Cw, anti-C, anti-c, anti-D, anti-E, anti-e, Kell: anti-K, anti-k, anti-Kpa, Kidd: anti-Jk <sup>a</sup> , anti-Jk <sup>b</sup> , Duffy: anti-Fy <sup>a</sup> , anti-Fy <sup>b</sup> ,	Red cell Phenotyping NEO Iris automated testing and manual interpretation HA/BB/SOP/040  Manual Antibody identification Grifols Cards and manual interpretation HA/BB/SOP/064
Venous Whole Blood: EDTA	Detection of antibodies to:  Rh: anti-Cw, anti-C, anti-c, anti-D, anti-E, anti-e, Kell: anti-K, anti-k,  Kidd: anti-Jk <sup>a</sup> , anti-Jk <sup>b</sup> , Duffy: anti-Fy <sup>a</sup> , anti-Fy <sup>b</sup>  Rh: anti-Cw, anti-C, anti-c, anti-D, anti-E, anti-e, Kell: anti-K, anti-k, Kidd: anti-Jka, anti-Jkb, Duffy: anti-Fya, anti-Fyb, MNS: anti-M, anti-N, anti-S, anti-s,	Automated antibody screening by NEO Iris Capture technology and manual interpretation HA/BB/SOP/130 HA/BB/SOP/131 HA/BB/SOP/132  Manual Antibody identification Grifols Cards and manual interpretation HA/BB/SOP/064



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HUMAN BODY FLUIDS (cont'd)	<b><u>Transfusion examination activities for the purpose of clinical diagnosis</u></b> (cont'd)	Manufacturer's instructions for equipment and kits in conjunction with inhouse documented procedures
Venous Whole Blood: EDTA	Detection of antibodies to:	
	Detection of sensitised red cells (Direct Coombs Test (DAT))	Grifols Cards and manual interpretation HA/BB/SOP/059
	Detection of sensitised red cells (Direct Coombs Test (tube))	Manual IAT (Tube) HA/BB/SOP/029
	Detection of broad spectrum C3d and IgG	Grifols Cards and manual interpretation HA/BB/SOP/059
	Detection of Broad spectrum, C3d and IgG	Manual IAT (Tube) HA/BB/SOP/029
	Compatibility testing	Manual IAT Gel Card Compatibility Test HA/BB/SOP/062
	Neonatal Blood Group A B and O groups Rh groups, D antigen	Automated Neonatal grouping NEO Iris automated capture technology DAT HA/BB/SOP/063
Venous Whole Blood: EDTA	Antenatal Blood Group and antibody screen	NEO Iris Capture technology HA/BB/SOP/130 HA/BB/SOP/131 HA/BB/SOP/132
	Detection and quantification of Foetal cells	Screen and Quantification Acid Elution HA/BB/SOP/051

END