


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>8075</p> <p>Accredited to ISO 15189:2022</p>	University Hospitals of North Midlands NHS Trust	
	Issue No: 015 Issue date: 10 January 2025	
	Macclesfield District General Hospital Haematology Department Victoria Road Macclesfield SK10 3BL United Kingdom	Contact: Laura Kinghorn-Perry, Pathology Quality Manager Tel: +44 (0)1782 679664 E-Mail: laura.kinghorn-perry@uhnms.nhs.uk Website: www.uhnms.nhs.uk
Testing performed by the Organisation at the locations specified below		

Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details	Activity
<p>Address</p> <p>Haematology Department Macclesfield District General Hospital Victoria Road Macclesfield SK10 3BL</p> <p>Local contact</p> <p>As Above</p>	<p>Haematology Coagulation Blood Transfusion Blood storage and issue fridge</p>

Site activities performed away from the locations listed above:

Location details	Activity
<p>Blood Fridge Main Theatres Macclesfield DGH Victoria Road Macclesfield SK10 3BL</p>	<p>Blood issue fridge for storage of blood products only; no testing occurs at this site</p>
<p>Blood Fridge Orthopaedic Theatre Macclesfield DGH Victoria Road Macclesfield SK10 3BL United Kingdom</p>	<p>Blood issue fridge for storage of blood products only; no testing occurs at this site</p>



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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 purposes of clinical diagnosis:</u>	In house documented procedures based on equipment manuals and standard methods as specified below:
EDTA Whole Blood	Full Blood Count (Red blood cells, White blood cells, Hb, MCH, MCHC, MCV, HCT, RDW, Neutrophils, Lymphocytes, Monocytes, Basophils, Eosinophils, Platelets, Reticulocytes, Nucleated red blood cells)	SOP HH014 using Beckman Coulter DxH 900
EDTA whole blood	Erythrocyte sedimentation rate (automated)	SOP HC001. Routine use of the StaRRsed Autocompact ESR analyser (Westergren)
EDTA whole blood	Peripheral blood film staining for detection and assessment of microscopic cell contents and structure	SOP HF001 (making, staining and examination) Manual staining using Romanowsky method and Splat stainer automated method SOP HHP295 and Nikon E600 microscope.
EDTA whole blood	Infectious Mononucleosis Screening for heterophile antibodies	SOP HH005 using the Biokit Monogen slide test (latex agglutination)
EDTA whole blood	Sickle cell solubility	SOP HL002 Using the Clin-Tech sickle cell solubility test kit
EDTA whole blood	G-6-PD screen	SOP HH003 Using the Trinity Biotech Glucose – 6 – Phosphate dehydrogenase test.



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<p>HUMAN BODY FLUIDS (cont'd)</p> <p>EDTA whole blood</p> <p>EDTA whole blood</p> <p>Citrated Plasma</p>	<p><u>Haematology examination activities for the purposes of clinical diagnosis (cont'd):</u></p> <p>Screening for Malaria pLDH and HRP2 antigens incl.:</p> <p><i>P. Falciparum</i> <i>P. Ovale</i> <i>P. Malariae</i> <i>P. Vivax</i></p> <p>Screening and detection of malaria parasites by blood film</p> <p>Coagulation</p> <p>Activated Partial Thromboplastin Time (aPTT)</p> <p>Fibrinogen</p> <p>Prothrombin Time (PT)</p> <p>International Normalised Ratio</p> <p>D-Dimer</p>	<p>In house documented procedures based on equipment manuals and standard methods as specified below:</p> <p>SOP HH015 Malaria Antigen test using CareUS malaria screening RDT</p> <p>SOP HH015 (making, staining and examination) Manual staining using Giemsa method (thin film) and Field stain and Nikon E600 microscope.</p> <p>SOP CAT 021 using Werfen ACL TOP 350</p>



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HUMAN BODY FLUIDS (cont'd)	Blood Transfusion examination activities for the purposes of clinical diagnosis:	In house documented procedures based on equipment manuals and standard methods as specified below:
EDTA whole blood	Automated Blood Groups ABO and RhD systems: <ul style="list-style-type: none"> • O Rh D positive • A Rh D positive • B Rh D positive • AB Rh D positive • O Rh D negative • A Rh D negative • B Rh D negative • AB Rh D negative 	SOP TT219 using Diamed IH1000 analyser
EDTA whole blood	<u>Haematology examination activities for the purposes of clinical diagnosis</u> Automated Antibody Screen <ul style="list-style-type: none"> • Rhesus blood group antibodies: anti-C^w, anti-C, anti-c, anti-D, anti-E, anti-e • Kell system blood group antibodies: anti-K, anti-k, anti-Kp^a • Kidd blood group antibodies: anti-Jk^a, anti-Jk^b • Duffy blood group antibodies: anti-Fy^a, anti-Fy^b • Lutheran blood group antibodies: anti-Lu^a, • MNS blood group antibodies: anti-M, anti-N, anti-S, anti-s • Lewis blood group antibodies: anti-Le^a, anti-Le^b • P blood group antibodies: anti-P₁ 	In house documented procedures based on equipment manuals and standard methods as specified below: SOP TT219 using Diamed IH1000 analyser



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HUMAN BODY FLUIDS (cont'd)	<u>Haematology examination activities for the purposes of clinical diagnosis (cont'd):</u>	In house documented procedures based on equipment manuals and standard methods as specified below:
EDTA whole blood	Blood Group – Manual	SOP TT203 using tube technique with Lorne reagents
EDTA whole blood	Neonatal Blood Group	SOP's TT206 and TT207 using manual Diamed Diaclon cards
EDTA whole blood	Kleihauer (FMH) Test for estimation of foeto-maternal haemorrhage	SOP TT602 using Clin-Tech Shepard's stain kit with the Kleihauer-Betke principle of acid elution.
EDTA whole blood	Direct Antiglobulin Test	SOP's TT701 using Diamed LISS/Coombs cards and Diamed DC-screening cards
EDTA whole blood	Serological Cross Match Emergency Cross Match	SOP TT300 using Diamed IgG cards, Diamed Diaclon cards, Diamed screening cells and Lorne reagents
EDTA whole blood	Neonatal and paediatric Cross Match	SOP TT301 using Diamed Diaclon cards, Diamed screening cells and Diamed IgG cards
EDTA plasma	Manual Antibody screening panels – Antigens of the following systems: Rh – C, D, E, c, e, Cw Kell – K, k, Kp ^a Duffy – Fy ^a , Fy ^b MNSs – M, N, S, s Kidd – Jk ^a , Jk ^b Lutheran – Lu ^a , Lu ^b Lewis – Le ^a , Le ^b P –P ₁	SOP's TT210 and using Diamed IgG cards and Diamed NaCl enzyme cards



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HUMAN BODY FLUIDS (cont'd)	<u>Haematology examination activities for the purposes of clinical diagnosis</u> (cont'd):	In house documented procedures based on equipment manuals and standard methods as specified below:
EDTA whole blood	Red cell phenotyping for Antigens of the following systems: Rh – C, D, E, c, e Kell – K, k	SOPs TT210 using Diamed Diaclon cards, Diamed NaCl enzyme cards, or Lorne reagents.
END		