


# 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>University Hospitals of North Midlands NHS Trust</b>	
	Issue No: 008    Issue date: 28 March 2022	
	<b>Haematology Department Leighton Hospital Middlewich Road Crewe CW1 4QJ United Kingdom</b>	<b>Contact: Marese O'Brien Tel: +44 (0)1270612236 E-Mail: Marese.O'Brien@mcht.nhs.uk Website: www.uhnm.nhs.uk</b>

**Testing performed by the Organisation at the locations specified below**

### Locations covered by the organisation and their relevant activities

#### Laboratory locations:

Location details	Activity				
<table border="0"><tr><td style="vertical-align: top;"><b>Address</b></td><td style="vertical-align: top;"><b>Local contact</b></td></tr><tr><td>Haematology Department Leighton Hospital Middlewich Road Crewe CW1 4QJ United Kingdom</td><td>Marese O'Brien</td></tr></table>	<b>Address</b>	<b>Local contact</b>	Haematology Department Leighton Hospital Middlewich Road Crewe CW1 4QJ United Kingdom	Marese O'Brien	Haematology, coagulation and Transfusion activities to assist with clinical diagnosis. Blood issue and storage fridge
<b>Address</b>	<b>Local contact</b>				
Haematology Department Leighton Hospital Middlewich Road Crewe CW1 4QJ United Kingdom	Marese O'Brien				

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

Location details	Activity
Blood Fridge MainTheatre Leighton Hospital Middlewich Road Crewe CW1 4QJ United Kingdom	Blood issue fridge for storage of blood products only; no testing occurs at this site



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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 in conjunction with equipment manuals and standard methods as specified below:
EDTA whole blood	<u>Full Blood Count</u>  (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 DxH
Citrated blood	Citrated platelet count	
EDTA whole blood	Erythrocyte sedimentation rate (automated)	SOP HC001 using the StaRRsed Auto compact (Westergren)
EDTA whole blood	Peripheral blood film staining for detection and assessment of microscopic cell contents and structure	SOP's HAT035, and HAT002A; using Hematek slide stainer or manual methods, Preparation and staining of blood films using May Grunwald-Giemsa and microscopy HAT03 Reporting blood films
Bone marrow aspirate	Bone marrow staining for detection and assessment of microscopic cell contents and structure	SOP's HAT035, HAT023 & using manual methods, Preparation and staining of blood films using May Grunwald-Giemsa and Perl's stain and microscopy



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HUMAN BODY FLUIDS (cont'd)	<u>Haematology examination activities for the purposes of clinical diagnosis: (cont'd)</u>	
EDTA whole blood	Infectious Mononucleosis Screen for heterophile antibodies	SOP HAT017A using Launch Accusay Mono kit
EDTA whole blood	Sickle cell solubility	SOP HC002 using Clin-Tech sickle test solubility kit
EDTA whole blood	Kleihauer Test detection and enumeration of foetal maternal haemorrhage	SOP HAT010 using Guest Medical foetal red cell detection kit and Kleihauer-Betke principle of acid elution.
EDTA whole blood	Screening Malaria pLDH and HRP2 antigens incl: <i>P. Falciparum</i> <i>P. Ovale</i> <i>P. Malariae</i> <i>P. Vivax</i>	SOP HAT047 Malaria Antigen test using Care Start Rapyd card
EDTA whole blood	Screening and detection of malaria parasites by Thick and thin blood film	SOP HAT020 Using manual Giemsa staining and microscopy
HUMAN BODY FLUIDS	<u>Coagulation</u>	
	Coagulation examination activities for the purposes of clinical diagnosis:	In house documented procedures based on equipment manuals and standard methods as specified below:
Citrated plasma	Prothrombin time	SOP CAT021 using IL (ACL) TOP 550 (Absorbance, turbidity)
	Activated partial thromboplastin time (APTT)	
	Fibrinogen	
	International normalised ratio (INR)	
	Thrombin time	



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HUMAN BODY FLUIDS (cont'd)	<u>Coagulation</u> (cont'd)	In house documented procedures based on equipment manuals and standard methods as specified below:
Citrated plasma (cont'd)	D-Dimer	SOP CAT021 using IL (ACL) TOP 550 (Absorbance, turbidity)
	Factors VIII & IX	
	Prothrombin time (manual)	SOP CAT023 using manual PT & APTT methods
HUMAN BODY FLUIDS	<u>General Blood Transfusion examination activities for the purposes of clinical diagnosis:</u>	In house documented procedures in conjunction with equipment manuals and standard methods as specified below:
EDTA whole blood	Automated Blood Groups ABO and RhD systems:	SOP BT123 using BioRad IH500, BT095IH1000 analysers
	O RhD positive	
	A RhD positive	
	B RhD positive	
	AB RhD positive	
	O RhD negative	
	A RhD negative	
	B RhD negative	
	AB RhD negative	
EDTA plasma	Automated Antibody Screen	SOP BT123 & BT095 using BioRad IH1000 & IH500 analysers
	Rhesus: anti-C <sup>w</sup> , anti-C, anti-c, anti-D, anti-E, anti-e	
	Kell: anti-K, anti-k, anti-Kp <sup>a</sup>	
	Kidd: anti-Jk <sup>a</sup> , anti-Jk <sup>b</sup>	
	Duffy: anti-Fy <sup>a</sup> , anti-Fy <sup>b</sup>	
	Lutheran: anti-Lu <sup>a</sup> , anti-Lu <sup>b</sup>	
	MNS: anti-M, anti-N, anti-S, anti-s	
	Lewis: anti-Le <sup>a</sup> , anti-Le <sup>b</sup>	
	P: anti-P <sub>1</sub>	



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HUMAN BODY FLUIDS (cont'd)	<u>General Blood Transfusion examination activities for the purposes of clinical diagnosis:</u> (cont'd)	In house documented procedures in conjunction with equipment manuals and standard methods as specified below:
EDTA whole blood	Blood Group – Manual	SOP's BT059 and BT060 using tube or tile techniques with Lorne reagents.
EDTA plasma	Antibody Screen – Manual	SOP BT003 using Manual Diamed Coombs IgG cards
EDTA whole blood	Infant Grouping/Cord blood	SOP BT024 using manual Diamed Diaclon gel cards
EDTA whole blood	Direct Coombs Test	SOP BT035 using Diamed DC-screening cards
EDTA whole blood	Electronic Cross Match	SOP's BT030, BT095 using the BioRad IH1000
EDTA whole blood	Serological Cross Match	SOP BT026 using Diamed Coombs IgG cards and Lorne reagents
EDTA whole blood	Emergency Cross Match	SOP BT027 using Diamed Coombs IgG cards and Lorne reagents
EDTA whole blood	Paediatric and Neonatal Cross Match	SOP BT085 using Diamed Diaclon and Coombs IgG cards
EDTA plasma	Antibody panels – Antigens of the following systems: Rh – C,D,E,c,e,Cw Kell – K,k,Kp <sup>a</sup> Duffy – Fy <sup>a</sup> , Fy <sup>b</sup> MNSs – M,N,S,s Kidd – Jk <sup>a</sup> , Jk <sup>b</sup> Lutheran – Lu <sup>a</sup> , Lu <sup>b</sup> Lewis – Le <sup>a</sup> , Le <sup>b</sup> P – P <sub>1</sub>	SOP's BT096 using manual Diamed Coombs IgG cards and NaCl enzyme cards or automated on BioRad IH1000 & IH500



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HUMAN BODY FLUIDS (cont'd)	<u>General Blood Transfusion examination activities for the purposes of clinical diagnosis:</u> (cont'd)	In house documented procedures in conjunction with equipment manuals and standard methods as specified below:
EDTA plasma A (cont'd)	Antenatal 4 cell antibody screen – Antigens of the following system: Rh – C,E,c,e, Kell – K,k,Kp <sup>a</sup> Duffy – Fy <sup>a</sup> , Fy <sup>b</sup> MNSs – M,N,S,s Kidd – Jk <sup>a</sup> , Jk <sup>b</sup> Lutheran – Lu <sup>a</sup> , Lu <sup>b</sup> Lewis – Le <sup>a</sup> , Le <sup>b</sup> P –P <sub>1</sub>	SOP BT005 using manual Diamed Coombs IgG cards
EDTA whole blood	Rhesus and K phenotyping	SOP BT106 using Diamed Diaclon cards
END		