


Schedule of Accreditation

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United Kingdom Accreditation Service

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

 <p>Accredited to ISO 15189:2012</p>	University Hospitals of North Midlands NHS Trust	
	Issue No: 002 Issue date: 23 August 2019	
	Department of Haematology and Blood Transfusion Royal Stoke Hospital Newcastle Road Stoke on Trent ST4 6QG	Contact: Katie Berger Tel: +44 (0)1782674234 E-Mail: katie.berger@uhnm.nhs.uk Website: www.uhnm.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	Location code
Royal Stoke Hospital Newcastle Road Stoke on Trent Staffordshire ST4 6QG	Local contact Rebecca James	Haematology, Coagulation and Transfusion activities to assist with clinical diagnosis including Sickle cell and thalassaemia screening
County Hospital Weston Road Stafford ST16 3SA	Jane Connolly	Haematology, Coagulation and Transfusion activities to assist with clinical diagnosis

Site activities performed away from the locations listed above:

Location details	Activity	Location code
Blood Transfusion Laboratory Royal Stoke Hospital Newcastle Road Stoke on Trent Staffordshire ST4 6QG	Rebecca James	Storage of blood and blood products
Hub Theatres Royal Stoke Hospital Newcastle Road Stoke on Trent Staffordshire ST4 6QG	Rebecca James	Storage of blood and blood products



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Location details		Activity	Location code
Maternity Theatres Royal Stoke Hospital Newcastle Road Stoke on Trent Staffordshire ST4 6QG	Rebecca James	Storage of blood and blood products	E
Theatres 1-5 Royal Stoke Hospital Newcastle Road Stoke on Trent Staffordshire ST4 6QG	Rebecca James	Storage of blood and blood products	F
Emergency Care Centre Royal Stoke Hospital Newcastle Road Stoke on Trent Staffordshire ST4 6QG	Rebecca James	Storage of blood and blood products	G
Blood Transfusion Laboratory County Hospital Weston Road Stafford ST16 3SA	Jane Connolly	Storage of blood and blood products	H
Chemotherapy Unit County Hospital Weston Road Stafford ST16 3SA	Jane Connolly	Storage of blood and blood products	I
Theatres County Hospital Weston Road Stafford ST16 3SA	Jane Connolly	Storage of blood and blood products	J
Outpatients Department Royal Stoke Hospital Newcastle Road Stoke on Trent Staffordshire ST4 6QG	Jenny Mountford	Collection of blood samples by venepuncture and capillary sampling	L
Outpatient Department County Hospital Weston Road Stafford ST16 3SA	Jenny Mountford	Collection of blood samples by venepuncture and capillary sampling	M



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Location details	Activity	Location code
Bradwell Hospital Talke Road, Chesterton Newcastle-under-Lyme Staffordshire ST5 7NJ	Jenny Mountford Collection of blood samples by venepuncture and capillary sampling	N
Cobridge Community Health Centre Church Terrace, Cobridge Stoke on Trent Staffordshire ST6 2JN	Jenny Mountford Collection of blood samples by venepuncture and capillary sampling	O
Meir Primary Care Centre Weston Road, Meir Stoke on Trent Staffordshire ST3 6AB	Jenny Mountford Collection of blood samples by venepuncture and capillary sampling	P
Hanley Health Centre Upper Huntbach Street Stoke on Trent Staffordshire ST1 2BN	Jenny Mountford Collection of blood samples by venepuncture and capillary sampling	Q
Moss Green Surgery, Bentilee Neighbourhood Centre Dawlish Drive, Bentilee Stoke on Trent Staffordshire ST2 0EU	Jenny Mountford Collection of blood samples by venepuncture and capillary sampling	R
Longton Health Centre Drayton Road Stoke on Trent Staffordshire ST3 1EQ	Jenny Mountford Collection of blood samples by venepuncture and capillary sampling	S
Kingsgrove Medical Centre Mount Road, Kingsgrove Stoke-on-Trent Staffordshire ST7 4AY	Jenny Mountford Collection of blood samples by venepuncture and capillary sampling	T
Milehouse Primary Care Centre Lymebrook Way, Milehouse Newcastle Staffordshire ST5 9GA	Jenny Mountford Collection of blood samples by venepuncture and capillary sampling	U



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Location details		Activity	Location code
Ryecroft Health Centre Broad Street Newcastle Staffordshire ST5 2BQ	Jenny Mountford	Collection of blood samples by venepuncture and capillary sampling	V
Blurton Health Centre Ripon Road, Blurton Stoke-on-Trent Staffordshire ST3 3BS	Jenny Mountford	Collection of blood samples by venepuncture and capillary sampling	W
Hanford Health Centre New Inn Lane Stoke on Trent Staffordshire ST4 8EX	Jenny Mountford	Collection of blood samples by venepuncture and capillary sampling	X
Longton Cottage Hospital Upper Belgrave Road Stoke on Trent Staffordshire ST3 4QX	Jenny Mountford	Collection of blood samples by venepuncture and capillary sampling	Y
Shelton Primary Care Centre Norfolk Street, Shelton Stoke-on-Trent Staffordshire ST1 4PB	Jenny Mountford	Collection of blood samples by venepuncture and capillary sampling	Z
Tunstall Health Centre Dunning Street, Tunstall Stoke-on-Trent Staffordshire ST6 5BE	Jenny Mountford	Collection of blood samples by venepuncture and capillary sampling	AA
Smallthorne Health Centre 2 Baden Road Stoke on Trent Staffordshire ST6 1SA	Jenny Mountford	Collection of blood samples by venepuncture and capillary sampling	AB
Stoke Health Centre Honeywall Stoke-on-Trent ST4 7JB	Jenny Mountford	Collection of blood samples by venepuncture and capillary sampling	AC
Fenton Health Centre Glebedale Road Stoke on Trent Staffordshire ST4 3AQ	Jenny Mountford	Collection of blood samples by venepuncture and capillary sampling	AD



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Location details	Activity	Location code
Silverdale Health Centre Vale Pleasant, Silverdale Newcastle Staffordshire ST5 6PS	Jenny Mountford Collection of blood samples by venepuncture and capillary sampling	AE
Wolstanton Medical Centre Palmerston Street, Wolstanton Newcastle Staffordshire ST5 8BN	Jenny Mountford Collection of blood samples by venepuncture and capillary sampling	AF
The Village Surgery High Street, Wolstanton Newcastle Staffordshire ST5 0ET	Jenny Mountford Collection of blood samples by venepuncture and capillary sampling	AG
Millrise Medical Centre 12 Millrise Road, Milton Stoke on Trent Staffordshire ST2 7BW	Jenny Mountford Collection of blood samples by venepuncture and capillary sampling	AH
Werrington Village Surgery Ash Bank Road Stoke on Trent Staffordshire ST9 0JS	Jenny Mountford Collection of blood samples by venepuncture and capillary sampling	AI
The Tardis Surgery 5-9 Queen Street Cheadle Staffordshire ST10 1BH	Jenny Mountford Collection of blood samples by venepuncture and capillary sampling	AJ
Trinity Medical Centre Uttoxeter Road, Blythe Bridge Stoke on Trent Staffordshire ST11 9HQ	Jenny Mountford Collection of blood samples by venepuncture and capillary sampling	AK
Trent Vale Health Centre 876 London Road Stoke on Trent Staffordshire ST4 5NX	Jenny Mountford Collection of blood samples by venepuncture and capillary sampling	AL
Orchard Surgery Knypersley Road, Norton in the Moors Stoke on Trent Staffordshire ST6 8HY	Jenny Mountford Collection of blood samples by venepuncture and capillary sampling	AM



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Location details	Activity	Location code
Well Street Medical Centre Well Street, Biddulph Stoke on Trent Staffordshire ST8 6HD	Jenny Mountford Collection of blood samples by venepuncture and capillary sampling	AN
Moss Lane Surgery Moss Lane, Madeley Nr Crewe Cheshire CW3 9NQ	Jenny Mountford Collection of blood samples by venepuncture and capillary sampling	AO
Moorcroft Medical Centre Botteslow Street, Hanley Stoke on Trent Staffordshire ST1 3NJ	Jenny Mountford Collection of blood samples by venepuncture and capillary sampling	AP
Burslem Health Centre Chapel Lane Stoke on Trent Staffordshire ST6 2AB	Jenny Mountford Collection of blood samples by venepuncture and capillary sampling	AQ
Norton Clinic 62 Knypersley Road Stoke on Trent Staffordshire ST6 8HZ	Jenny Mountford Collection of blood samples by venepuncture and capillary sampling	AR



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DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY FLUIDS	<u>Haematology examination activities for the purpose of clinical diagnosis</u>	Manufacturer's instructions for Siemens Advia 2120i in conjunction with in house documented methods HAP002/ HAP004:	
Whole Blood (EDTA)	Full Blood Count Haemoglobin estimation Automated white blood cell differential Red cell count Platelets Haematocrit White cell differentiation Reticulocyte count Mean Cell volume (MCV) Mean Cell Haemoglobin (MCH) Mean Cell Haemoglobin Concentration (MCHC)	Colorimetry/optical Colorimetry Optical Laser light scatter Laser light scatter Calculated parameter from MCV and RBC Laser and light scatter and light absorbance Optical Calculated parameter Calculated parameter Calculated parameter	A, B
Plasma	Plasma viscosity	Capillary resistance	A
Serum/plasma	Detection of specific heterophile antibodies	Manufacturer's instructions for Clearview Mono Rapid chromatographic assay in conjunction with in house documented method HST008	A, B



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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 for Benson BV1 automated plasma viscometer analyser in conjunction with in house documented method HE025:	
Whole blood (EDTA)	Detection of G-6-PD	Manufacturer's instructions for Trinity Biotech G6PDH screen in conjunction with in house documented method HST009 Enzyme fluorescence using UV light source	A
Whole blood (EDTA)	Quantitation of G-6-PD	Manufacturer's instructions for Pointe Scientific G6PD assay kit in conjunction with in house documented method HST009 Kinetic, spectrophotometric method Preparation of peripheral blood films HF013/HM003	A
Whole blood (EDTA)	Assessment of cellular morphology	Romanowsky stains Leishman/Giemsa or Wrights/Giemsa Microscopy	A, B



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HUMAN BODY FLUIDS (cont'd)	<u>Haematology examination activities for the purpose of clinical diagnosis (cont'd)</u>	Manual in house documented methods Preparation of peripheral thin and thick blood HF015/HF016/HM012	
Whole blood (EDTA)	Detection of malarial parasites <i>P. falciparum</i> <i>P. vivax</i> <i>P. malariae</i> <i>P. ovale</i>	Leishman/Giemsa and Giemsa Microscopy	A, B
Whole blood (EDTA)	Differentiation of <i>P. falciparum</i> and pan malarial spp. <i>P. falciparum</i> (<i>P. vivax, P. malariae, P. ovale</i>)	Manufacturer's instructions for OptiMal-IT test immunochromatographic detection kit in conjunction with in house documented method HF017/HM012	A, B
Bone Marrow aspirates	Detection of normal and abnormal morphologies	Manual slide preparation, staining and review using in house documented methods HF021/CHTD003 Romanowsky stain Leishman/Giemsa Microscopy	A
Bone Marrow Trepines	Detection of normal and abnormal morphologies	Manual slide preparation and review using in house documented methods HF021/CHTD003 Romanowsky stain Leishman/Giemsa Microscopy	A



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HUMAN BODY FLUIDS (cont'd)	<u>Haematology examination activities for the purpose of clinical diagnosis (cont'd)</u>	Documented -in-house methods to meet the requirements of the Sickle cell and thalassaemia screening programme as defined in the July 2018 'Sickle cell and thalassaemia screening: laboratory QA evidence requirements'	
Whole blood (EDTA)	Quantitation of Hb A2/F haemoglobin variants	Manufacturer's instructions for Tosoh G8 HPLC analyser in conjunction with in house documented method HST001	A
Whole blood (EDTA)	Confirmation of abnormal haemoglobins	Manufacturer's instructions for Helena Biosciences Acid Alkali gel electrophoresis in conjunction with in house documented method HST002	A
Whole blood (EDTA)	Solubility of Hb fractions	Manufacturer's instructions for BD Biosciences FACSCanto II flow cytometer in conjunction with in house documented method HST004	A, B
Whole blood (EDTA)	Quantitation of CD4	HST005	A
Whole blood (EDTA)	Quantitation of stem cells (CD34)	HST006	A
Whole blood (EDTA)	Quantitation of TBNK cells (CD16/56)	HST007	A
CSF	Detection of normal and abnormal morphologies	Manufacturer's instructions for Shandon Cytospin II or manual preparation in conjunction with in house documented method HST011/HF021/CHTD009 Romanowsky stain Leishman/Giemsa Microscopy	A



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HUMAN BODY FLUIDS (cont'd)	<u>Haematology examination activities for the purpose of clinical diagnosis</u> (cont'd)	Manual slide preparation, staining and review using in house documented methods HST012/CHTD008	
Bone marrow aspirate	Detection of normal and abnormal morphologies	Perl's Prussian Blue Microscopy	A
HUMAN BODY FLUIDS (cont'd)	<u>Coagulation examination activities for the purpose of clinical diagnosis</u>	Manufacturer's instructions for Instrument Laboratories ACL TOP 750 (RSUH) ACL TOP 300 (County) in conjunction with in house documented methods: HC003/HC030/HC026	
Plasma (Citrate) unless otherwise stated	Prothrombin time and INR Activated partial Thromboplastin Time (aPTT) and aPTT Ratio	Clot based assay Clot based assay	A, B
	Fibrinogen	Clot based assay	
	D-Dimer	Latex immunoassay	
	Thrombin time	Clot based assay HCS006	
	PT and aPTT mixing studies	Clot based assay HCS006	
	Lupus anticoagulant	Clot based assay HCS004	A
	Factor assays (VIII, IX, XI, XII, II, V, VII, X)	Clot based assay HCS001	A
	Anti Xa	Chromogenic assay HCS007	A
	Factor Inhibitor screen	Clot based assay HCS010	A
	Inhibitor assay (Bethesda)	Clot based assay HCS011	A
	Heparin neutralisation	Clot based assay HCS008	A



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HUMAN BODY FLUIDS (cont'd) Plasma (Citrate) unless otherwise stated (cont'd)	<u>Coagulation examination activities for the purpose of clinical diagnosis (cont'd)</u>		
	Manual INR and prothrombin time (PT)	Manufacturer's instructions using Thrombotrack (2 Channel) Optomechanical method HC027 HC004 HC003 HC030	A
	Manual Activated partial Thromboplastin Time (aPTT)	Optomechanical method HC028 HC004 HC003 HC011 HC030 Manufacturer's instructions for Instrument Laboratories ACL TOP 750 (RSUH) in conjunction with in house documented methods:	
	Thrombophilia screen consisting of the following assays:	HC003/HC030/HC026 HCS005	A
	Antithrombin	Chromogenic assay	
	Protein C	Chromogenic assay	
	Free Protein C	Chromogenic assay	
	Von Willebrand factor antigen	Latex Immunoassay HCS002	
	Rivaroxaban	Chromogenic assay HCS025	
	Apixaban	Chromogenic Assay HCS023	
Dabigatran	Clot based assay HCS026		



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HUMAN BODY FLUIDS (cont'd) Whole Blood (EDTA) unless otherwise stated (cont'd)	<u>Blood Transfusion examination activities for the purpose of clinical diagnosis</u>	Manufacturer's instructions for IBG Immucor Galileo Neo (RSUH x2) Echo (RSUH x2 County x1) direct Haemagglutination in conjunction with in house documented methods:	A, B
	Automated Blood group Detection of: <ul style="list-style-type: none"> • ABO • Rhesus (D C c E e) 	BTLP026	A, B
	Automated antibody screen & Identification <ul style="list-style-type: none"> • Rhesus (C D E c e) • K • Fy (a) • Fy (b) • JK (a) • JK (b) • M N S s 	Capture –R IAT BTLP026	A, B
	Manual blood group Detection of: <ul style="list-style-type: none"> • ABO • Rhesus (D, C, c, E, e) 	Manufacturer's instructions for Diamed cards in conjunction with in house documented methods: BTLP028/BTLP029/BTLP027	A, B
	Antibody identification and titration Detection of: Rhesus (C D E c e) <ul style="list-style-type: none"> • K • Fy (a) • Fy (b) • JK (a) • JK (b) • M N S s 	Manufacturer's instructions for IBG Immucor Galileo Neo (RSUH x2) Echo (RSUH x2 County x1) in conjunction with in house documented methods: BTLP029 /BTLP031 Capture –R IAT	A
Cord blood	Cord Blood investigations Detection of ABO and Rh D	Manufacturer's instructions for Diamed cards in conjunction with in house documented methods: BTLP032	A



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HUMAN BODY FLUIDS (cont'd)	<u>Blood Transfusion examination activities for the purpose of clinical diagnosis</u> (cont'd)		
Whole blood (EDTA)	Estimation of fetomaternal haemorrhage (FMH)	Manufacturer's instructions for Biosciences Biologicals acid elution kit in conjunction with in house documented method BTLP033	A
	Detection of red cell phenotype C, c, E, e, K	Manufacturer's instructions for Diamed cards column and direct agglutination in conjunction with in house documented methods: BTLP030	A
	Direct antiglobulin test	Screen: Echo analyser (RSUH only) or DiaMed-ID LISS-Coombs 37°C card BTLP035 Mono-specifics: Manufacturer's instructions for Diamed cards column agglutination in conjunction with in house documented methods: BTLP035	A
Serum	Heparin induced Thrombocytopenia	Manufacturer's instructions for Diamed ID-PaGIA Heparin/PF4 Antibody Test cards in conjunction with in house documented methods: BTLP036	A
	Compatibility testing of donor red cells	In house documented manual methods BTLP002 BTLP003 BTLP006	A, B
END			