


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <p><b>UKAS</b> MEDICAL 9729</p> <p>Accredited to ISO 15189:2012</p>	<p><b>York and Scarborough Teaching Hospitals NHS Foundation Trust</b></p> <p>Issue No: 004 Issue date: 24 May 2021</p>	
	<p>York Hospital Wigginton Road York North Yorkshire YO31 8HE</p>	<p>Contact: Elizabeth Fox Tel: +44 (0) 1904 725163 E-Mail: Elizabeth.Fox@york.nhs.uk Website: <a href="http://www.yorkhospitals.nhs.uk/our-services/a-z-of-services/laboratory-medicine1">www.yorkhospitals.nhs.uk/our-services/a-z-of-services/laboratory-medicine1</a></p>
<p>Testing performed by the Organisation at the locations specified below</p>		

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

#### Laboratory locations:

Location details	Activity	Location code
<p><b>Address</b> Clinical Haematology Laboratory York Hospital Wigginton Road York North Yorkshire YO31 8HE</p> <p><b>Local contact</b> Elizabeth Fox</p>	<p>Routine Haematology Routine Coagulation Blood Grouping and antibody screen Blood &amp; blood product issue Haemostasis.Thrombophilia Immunology Molecular Haematology Sickle cell and thalassaemia screening</p>	Y
<p><b>Address</b> Clinical Haematology Laboratory Scarborough Hospital Woodlands Drive Scarborough YO12 6QL</p> <p><b>Local contact</b> Elizabeth Fox</p>	<p>Routine Haematology Routine Coagulation Blood Grouping and antibody screen Blood &amp; blood product issue Sickle cell and thalassaemia screening</p>	S

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

Location details	Local contact	Activity	Location code
York Hospital – Theatres	Elizabeth Fox	Blood storage & issue only	
Clifton Park Treatment Centre	As above	Blood Storage & issue only	
Scarborough Hospital Theatres	As above	Blood storage & issue only	
Bridlington Hospital Lloyd Ward	As above	Blood storage & issue only	
Whitby Hospital In-patient Unit	As above	Blood storage & issue only	
Malton Hospital In-patient Unit	As above	Blood storage & issue only	



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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>Haematological examination activities for the purpose of clinical diagnosis</u>	Documented in-house procedures with manufacturer's instructions	
Whole Blood EDTA	Full Blood Count WBC RBC ESR HGB HCT MCH MCHC PLT NEUT LYMPH MONO EOS BASO Nucleated red blood cell (NRBC) count Reticulocyte count	Sysmex XN3100(S) Sysmex XN9100 Analyser (Y) Hb measurement by laurel sulphate conversion and colorimetry HA-SOP-FBC	S, Y
Whole Blood	Blood Film Morphology	Sysmex XN550 Analyser (haematology clinic) HA-SOP-XN-550 Hb measurement by laurel sulphate conversion and colorimetry (not used for NRBC or Reticulocyte counts)	Y
Whole Blood	Blood Film Morphology	Staining and light microscopy of blood and bone marrow smears using May Grunwald & Giemsa Automated using Sysmex SP50 HA-SOP-SP50 And manual with reference to HA-SOP-FILMREP	Y S
Stained Blood Films	Blood Film Morphology	Digital imaging using DI 60 Analyser HA-SOP-DI	Y



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HUMAN BODY FLUIDS (cont'd)	<u>Haematological examination activities for the purpose of clinical diagnosis.</u> (cont'd)	Documented in-house procedures with manufacturer's instructions	
Bone Marrow	Detection of abnormal cells in bone marrow	Manual staining of bone marrow smears using May Grunwald & Giemsa Light Microscopy HA-SOP-BMLAB	S, Y
Bone Marrow	Evaluation of body iron stores by examination of bone marrow smears	Manual Perl's Reaction staining (HA-SOP-PERLS)	S, Y
Whole Blood	Detection & speciation of malaria parasites:  All plasmodium species known to cause human disease	Manual Staining of thick and thin films- Giemsa and Fields stain HA-SOP-MALARIA	S, Y
Whole Blood	Malaria Parasite screen and identification of species: <i>Plasmodium falciparum</i> , <i>P ovale</i> , <i>P malariae</i> <i>P vivax</i>	Humasis Malaria P.f/Pan Antigen Test HA-SOP-MALARIA	S, Y
EDTA Plasma	Detection of Infectious Mononucleosis	Alere Clearview IM Kit HA-SOP-IMSCREEN	S, Y
Whole blood	Blood cell sedimentation measurement - ESR	Symex InteRRliner ESR FRL Analyser HA-SOP-AUTOESR	Y



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HUMAN BODY FLUIDS (cont'd)	<u>Haematological examination activities for the purpose of clinical diagnosis.</u> (cont'd)	Documented in-house procedures with manufacturer's instructions	
Whole blood	Blood cell sedimentation measurement - ESR	Manual ESR using Guest Dispette 2 system HA-SOP-MANUALESR	S, Y
Plasma	Plasma Viscosity	Benson Viscometer Analyser SHA-SOP-PV	S
EDTA Plasma	Haemoglobinopathy screening: Structural variants Thalassaemias Failure to switch from foetal to adult Hb	HPLC using TOSOH G11  HA-SOP-HGP	Y
EDTA Plasma	Sickle Screening	Documented in-house methods to meet the requirements of the Sickle Cell and Thalassaemia screening programme as defined in the 2018 "Sickle Cell and Thalassaemia screening laboratory QA evidence requirements"	Y, S
EDTA Plasma	Sickle Screening	Microgen S-Test (sodium dithionate) HA-SOP-HBSDETECT	Y
EDTA plasma	G6PD Screening	Trinity Biotech G-6-PDH Kit (Part No. 203-A) – HA-SOP-G6PD	Y
EDTA Plasma	Hb electrophoresis (Alkaline pH 8.4-8.6)	Sebia Hydragel Kit; Sebia Hydrasys 2 analyser HA-SOP-HEP	Y
EDTA Plasma	Hb electrophoresis (Acid pH 6.0)	HA-SOP-CAGHEP	S, Y



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HUMAN BODY FLUIDS (cont'd)	<u>Haematological examination activities for the purpose of clinical diagnosis.</u> (cont'd)	Documented in-house procedures with manufacturer's instructions	
	<u>Coagulation examinations to assist in clinical investigations</u>	ACLTOP 500 (Y&S) ACLTOP 300 (S) Turbidimetric method Clot detection by optical rate of change of absorbance end point, chromogenic assay, one stage assay	
Citrated plasma	Prothrombin Time (PT) and International Normalised Ratio (INR)	CO-SOP-COAGSCREEN	S, Y
	Activated Partial Thromboplastin (APTT) and APTT ratio		
	Clauss Fibrinogen (CFib) D-dimer Thrombin Time Mixing Studies	CO-SOP-D-DIMER CO-SOP-TT CO-SOP-MIX	S, Y
Citrated plasma	Anti-Xa (for LMWH, Danaparoid and DOAC) Factor Assays (II, V, VII, VIII, IX, X, XI, XII)	CO-SOP-Anti-Xa CO-SOP-FACTORS CO-SOP-REFACTO	Y
	Antithrombin Protein C Protein S	Chromogenic assays Latex Immunoassay CO-SOP-TBP	Y
	Lupus Inhibitor Screen	CO-SOP-LUPUS	Y
	Factor VIII Inhibitor (Nijmegen Modification Assay)	CO-SOP-F8INH	Y
	Von Willebrand Factor Antigen (vWF:Ag)	Immunoturbidometric assay CO-SOP-vWD_Screen	Y
	Von Willebrand Factor Activity (vWF:RCo)	Immunoturbidometric assay CO-SOP-vWD_Screen	Y



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HUMAN BODY FLUIDS (cont'd)	<u>Haematological examination activities for the purpose of clinical diagnosis</u> (cont'd)  <u>Coagulation examinations to assist in clinical investigations</u> (cont'd)	Documented in-house procedures with manufacturer's instructions  ACLTOP 500 (Y&S) ACLTOP 300 (S) Turbidimetric method Clot detection by optical rate of change of absorbance end point, chromogenic assay, one stage assay	
Citrated plasma	Von Willebrand Factor Collagen Binding Assay (vWF:CBA)	Bioflash Analyser – using chemiluminescence CO-SOP-vWF_CBA IM-SOP-Bioflash (Maintenance)	Y
Citrated plasma	Heparin Induced Thrombocytopenia (HIT) Screen	Bioflash Analyser – using chemiluminescence CO-SOP-HIT IM-SOP-Bioflash (Maintenance)	Y
	<u>Molecular</u>		
Whole Blood Citrated & EDTA	Detection of genetic mutation Factor V Leiden & prothrombin mutation	Factor V Leiden/Prothrombin Gene Mutation on Cepheid Gene Xpert CO-SOP-FVL_PGM	Y
	<u>Blood Transfusion examination activities for the purpose of clinical diagnosis</u>	Documented in-house procedures with manufacturer's instructions	
EDTA packed red cells	Blood Group by detection and identification of antigens:  A RhD Positive AB RhD Positive B RhD Positive RhD Positive A RhD Negative AB RhD Negative B RhD Negative RhD Negative O RhD positive O RhD negative	Grifols Erytra fully automated card IAT and enzyme techniques technology analysers and manual card system BT-SOP-BLD-GRP BT-SOP- ERYTRAOP BT-SOP-DGGEL	S, Y



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HUMAN BODY FLUIDS (cont'd)	<u>Blood Transfusion examination activities for the purpose of clinical diagnosis</u> (cont'd)	Documented in-house procedures with manufacturer's instructions	
EDTA Whole Blood	Antibody Screen by detection of antibodies to:  Rh which includes anti-C, D, E, c, e, f, C <sup>w</sup> K, k, Kp <sup>a</sup> , Kp <sup>b</sup> , Fy <sup>a</sup> , Fy <sup>a</sup> , Jk <sup>a</sup> , Jk <sup>b</sup> , Le <sup>a</sup> , Le <sup>b</sup> , S, s, M, N, P <sub>1</sub> , Lu <sup>a</sup> , Lu <sup>b</sup>	Grifols Erytra fully automated card IAT and enzyme techniques technology, analysers and manual card system BT-SOP-BLD-GRP BT-SOP- ERYTRAOP BT-SOP-DGGEL	S, Y
EDTA plasma	Crossmatching – compatibility testing of patients plasma with donor cells	Grifols Erytra fully automated card IAT and enzyme techniques technology, analysers and manual card system BT-SOP-COMP	S, Y
Serum	Kleihauer test and anti-D	Acid-elution (Inverclyde Biosciences) BT-SOP-KLEIHAUER	S, Y
EDTA Whole blood	Antibody detection (4 cell screen) 10 cell panel, 11 cell panel,, 6 cell Rh(D) panel for prophylactic anti-D	Grifols Erytra fully automated card IAT and enzyme techniques technology, analysers and manual card system BT-SOP-IDENT BT-SOP-ANTPRO BT-SOP-DGGEL BT-SOP-ERYTRAOP  SBT-SOP-ABINVEST	Y



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HUMAN BODY FLUIDS (cont'd)	<u>Immunology examination activities for the purpose of clinical diagnosis</u>	Documented in-house procedures with manufacturer's instructions	Y
Serum		Bioflash Analyser – using chemiluminescence IM-SOP-Bioflash (Maintenance)	
	ENA 7 screen	IM-SOP-ENA7	
	- Ro (Ro60 and Ro 52)		
	- SSB (La)		
	- Sm		
	- RNP		
	- Scl-70		
	- Jo-1		
	TTG antibody	IM-SOP-TTG	
	B2- Glycoprotein-1 (IgG) antibody	IM-SOP- B2Gly	
	Myeloperoxidase antibody assay	IM-SOP- MPO	
	Proteinase-3 antibody	IM-SOP- MPO	
	Glomerular basement membrane antibody assay	IM-SOP- GBM	
	Anti-cardiolipin (IgG and IgM)	IM-SOP- ACA	
	CCP antibody	IM-SOP- CCP	





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Serum		IPro (Launch Diagnostics) Auto Antibody by indirect immunofluorescence	
	Liver related antibody screens and titres	IM-SOP-iPRO IM-SOP-AABS	Y
	Endomysial antibodies IgG and IgA	IM-SOP-iPRO IM-SOP-ENDO	Y
	Skin antibodies	IM-SOP-SK	Y
Serum	Liver profile immunoblot	Manual Immunoblot IM-SOP-EUROASSAY	Y

END