

Schedule of Accreditation

Issued by

United Kingdom Accreditation Service

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

 8137 Accredited to ISO 15189:2012	NHS Grampian	
	Issue No: 010 Issue date: 03 January 2023	
	Haematology Department 2 nd Floor, Link Building Aberdeen Royal Infirmary Aberdeen AB25 2ZD United Kingdom	Contact: Sonja Wright Tel: +44 (0)1224 553843 Fax: +44 (0)1224 554827 E-Mail: sonja.wright2@nhs.scot
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
Address 2 nd Floor Link Building Aberdeen Royal Infirmary Aberdeen AB25 2ZD United Kingdom	Local contact Sonja Wright Tel: +44 (0)1224553843 Fax: +44 (0)1224554827 Email: sonja.wright2@nhs.scot	Haematology Haemoglobinopathies Coagulation Flow Cytometry
Medical Laboratory Sciences Dr Grays Hospital Elgin IV30 1SN United Kingdom	Emma Parkins Tel: +44(0)1343567522 Fax: +44(0)1343567831 Email: emma.parkins@nhs.scot t	Haematology Coagulation

Site activities performed away from the locations listed above:

Location details	Activity	Location code
Address Aberdeen Royal Infirmary Aberdeen AB25 2ZD United Kingdom	Local Contact Sonja Wright Tel: +44 (0)1224553843 Fax: +44 (0)1224554827 Email: sonja.wright@nhs.scot	<u>Sampling-Phlebotomy</u> Collection of blood specimens by venepuncture in adults



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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 (cont'd)	<u>Haematology examination activities for the purpose of clinical diagnosis</u>	Documented In-house methods using:	
Venous Blood: Citrated	Blood Coagulation	ACL TOP 750 SOP H LP 200 086	A
		ACL TOP 350 SOP H LP 200 246	B
	Prothrombin time INR Activated Partial Thromboplastin Time Fibrinogen estimation Derived Clauss Thrombin Time including correction with protamine sulphate	Turbidimetric method Clot detection by optical rate of change of absorbance end point being the maximum rate of change INR – 200 105 SOP 200 090 SOP 200 089	A and B
	D-Dimers	SOP's 200 104, latex immunoassay	
	Antithrombin 3	SOP 200 094 chromogenic assay	A
	Anti Xa	SOP 200 098 chromogenic assay	A
	VWF: Ag	SOP 200 096- immunoturbidimetric assay	A
	vWF:RCo	SOP 200 119- Latex Immunoassay	A
	Anti- Xa for direct Xa inhibitors	SOP 200 113 chromogenic assay for Direct Oral Anticoagulants (DOAC)	
	Factor assay <ul style="list-style-type: none"> • V • VII • X • VIII • IX • XI • XII 	Turbidometric method. Clot detection by optical rate of change of absorbance end point being the maximum rate of change Extrinsic Factors SOP 200 088 Intrinsic Factors SOP 200 087	



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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 using:	
Venous Blood: Citrated (cont'd)	Blood coagulation	ACL TOP 750	A
	Lupus anticoagulant	SOP 200 091 Turbidometric	A
	Protein C	SOP 200 092- chromogenic assay	A
	Protein S	SOP 200 093 latex immunoassay	A
Venous whole blood: EDTA	Factor VIII inhibitor	Turbidometric method	A
	Factor IX inhibitor	SOP 200 097	A
	Heparin Induced Thrombocytopenia	ELISA PF4 IgG assay SOP 200 069	
	FBC	Abbott Alinity hq series LP 100 107	A and B
	Haemoglobin estimation	Photometric	
	Red cell and platelet counts	Flow Cytometry	
	Differential white cell count		
	Reticulocyte		
	Nucleated Red Cells (NRBC)		
	HCT	Calculate parameters	
Venous whole blood :EDTA	MCV		
	MCH		
	MCHC		
	Film reporting and WBC Differential	Wright Giemsa blood smears by Alinity hs SOP's 100 094, and Microscopy- SOP's 100 089	A
	Malaria Parasite detection <ul style="list-style-type: none"> • P.falciparum • P.vivax • P.ovale • P.malariae • P knowlesi 	Giemsa stain and microscopy - SOP 300 014	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 using:	
Urine	Haemosiderin	Perl's Prussian Blue staining-microscopy- SOP 300 007	A
Serum	Haematinics <ul style="list-style-type: none"> • B12 • Ferritin • Serum folate 	Abbott Alinity I immunoassay analyser LP 400 027	A
Venous whole blood :EDTA	Haemoglobinopathies and Thalassemia	BioRad Variant II, HPLC SOP 500 017	A
	Haemoglobin S	Detection of decreased solubility of haemoglobin S with HD supplies kit SOP 500 023	A
Venous whole blood :EDTA	G6PD	Appearance of fluorescence in red cell substrate mixtures SOP 500 024	A
Venous whole blood :EDTA	Plasma Viscosity	Benson BV 200 analyser- by flow resistance SOP 500 025	A



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HUMAN BODY FLUIDS (cont'd)	<u>Haematology examination activities for the purpose of clinical diagnosis</u> (cont'd)	Documented In-house methods using:	
Blood	Infectious Mononucleosis	Monogen Kit using SOP: LP300 013	A and B
	<u>Flow Cytometry</u>		
Venous whole blood/ bone marrow in EDTA	Immunophenotyping of haematological disorders for chronic lymphoproliferative disorders	Navios Flow Cytometer Cellular analysis by flow cytometry using SOP: LP-300-025	A
	Chronic B cell 1 (CB1) <ul style="list-style-type: none"> • CD5 • CD19 • CD20 • CD23 • CD38 • CD45 • CD79b • CD200 • FMC7 		
Venous whole blood,/bone marrow in EDTA	Immunophenotyping of haematological disorders for chronic lymphoproliferative disorders	Navios Flow Cytometer Cellular analysis by flow cytometry using SOP: LP-300-025	A
	Chronic B cell 2 (CB2) <ul style="list-style-type: none"> • CD10 • CD11c • CD19 • CD22 • CD43 • CD45 • HLA-DR • IgM 		
	T Cell <ul style="list-style-type: none"> • TCR alpha/beta • TCR gamma/delta • CD2 ECD • CD5 PC5.5 • CD7 APC • CD16 PC7 • CD56 AA750 • HLA-DR PB • CD45 KO 		



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<p>HUMAN BODY FLUIDS (cont'd)</p> <p>Venous whole blood,/bone marrow in EDTA (cont'd)</p>	<p><u>Haematology examination activities for the purpose of clinical diagnosis</u> (cont'd)</p> <p><u>Flow Cytometry</u> (cont'd)</p> <p>Immunophenotyping of haematological disorders for chronic lymphoproliferative disorders (cont'd)</p> <p>Lymphocyte Screening Tube (LST)</p> <ul style="list-style-type: none"> • CD3 • CD4 • CD8 • CD19 • CD25 • CD34 • CD45 • Kappa • Lambda • CD34 (Stem cell harvesting) <p>Paroxysmal Nocturnal Haemoglobinuria(PNH) RBC and WBC CD 59 expression</p>	<p>Documented In-house methods using:</p> <p>Navios Flow Cytometer Cellular analysis by flow cytometry using SOP: LP-300-025</p> <p>SOP:-300 031</p> <p>SOP:- 300 032</p>	<p>A</p>



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<p>HUMAN BODY FLUIDS (cont'd)</p> <p>Venous whole blood, bone marrow in EDTA</p>	<p><u>Haematology examination activities for the purpose of clinical diagnosis (cont'd)</u></p> <p>Immunophenotyping of haematological disorders for acute leukaemia.</p> <p>Acute Screening Tube (AST)</p> <ul style="list-style-type: none"> • CD13 • CD33 • CD34 • CD10 • CD7 • CD117 • CD19 • HLA-DR • CD45 <p>Acute Myeloid Tube (AM1)</p> <ul style="list-style-type: none"> • • CD15 • CD56 • CD14 • CD11c • CD34 • CD38 • CD64 • HLA-DR • CD45 <p>Acute Lymphoid Tube (AL2)</p> <ul style="list-style-type: none"> • CD9 • IgM • CD34 • CD10 • CD20 • CD22 • CD38 • CD19 • CD45 	<p>Documented In-house methods using:</p> <p>Navios Flow Cytometer Cellular analysis by flow cytometry using SOP: LP-300-037</p>	A



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HUMAN BODY FLUIDS (cont'd) Venous whole blood, bone marrow in EDTA(cont'd)	Haematology examination activities for the purpose of clinical diagnosis (cont'd) Immunophenotyping of haematological disorders for acute leukaemia. Acute Permeabilised Panel <ul style="list-style-type: none">• CD3• CD22• MPO• TdT• IgM• CD79a• CD19• CD34• CD45	Documented In-house methods using: Navios Flow Cytometer Cellular analysis by flow cytometry using SOP: LP-300-037	A
END			