


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>UKAS MEDICAL 9570</p> <p>Accredited to ISO 15189:2012</p>	<h3>NHS Greater Glasgow & Clyde</h3> <p>Issue No: 004 Issue date: 16 December 2019</p>	
	<p>Dept of Haematology Macewen Building Glasgow Royal Infirmary 84 Castle Street Glasgow G4 0SF</p>	<p>Contact: Kevin Marriott Tel: +44 (0)141 211 5548 E-Mail: Kevin.Marriott@ggc.scot.nhs.uk</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>Address Dept of Haematology Macewen Building Glasgow Royal Infirmary 84 Castle Street Glasgow G4 0SF</p> <p>Local contact Contact: Kevin Marriott Tel: +44 (0) 0141 211 5548</p>	<p>Routine Haematology Special Coagulation Blood Transfusion</p>	A
<p>Haematology Department Gartnavel General Hospital 1053 Great Western Road Glasgow G12 0YN</p> <p>As above</p>	<p>Routine Haematology Immunohaematology</p>	B
<p>Stobhill ACH 133 Balornock Road Glasgow G21 3UW</p> <p>As above</p>	<p>Routine FBC and Coag</p>	C
<p>Haematology Laboratory West Glasgow Ambulatory Care Hospital Yorkhill Glasgow G3 8SJ</p> <p>As above</p>	<p>FBC Clinic</p>	D



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Site activities performed away from the locations listed above:

Location details	Activity
<p>At Glasgow Royal AE Canniesburn Theatre HDU ICU LW Satellite Theatre Wd 10 Wd 24 Wd 43</p> <p>Stobhill ACH 133 Balornock Road Glasgow G21 3UW</p>	<p>Blood Fridge- storage only</p>



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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 AND TISSUES Venous Blood;	<p><u>Blood Transfusion Testing for use in clinical diagnosis</u></p> <p>Blood Grouping</p> <ul style="list-style-type: none"> • A B O • Rhesus: • C, c, D, E, e, • K <p>Antibody Detection</p> <p>Blood Grouping</p> <ul style="list-style-type: none"> • A B O • Rhesus:-C^w,C, c, D, E, e, • K • Fya, Fyb • Jka, Jkb • Kpa Kpb • Lea, Leb • Lua Lub • M, N, S, s <p>Compatibility testing of patients plasma with donor cells</p> <p>Direct Anti-Human Globulin</p>	<p>Documented In-house methods using:</p> <p>Biorad IH1000 and associated testing protocols – fully automated Diamed cassette technology. SOP: LAP-GRI-BTS-018</p> <p>3 cell panels, 6 Cell Rh(D) Panel, 11 cell panels SOP: LAP-GRI-BTS-018</p> <p>Manual procedures by Biorad cassette technology. Key SOPs: LAP-GRI-BTS-009 Sample processing pathway-manual techniques Determination of red cell antigen status LAP-GRI-BTS-011</p> <p>Fully automated Biorad cassette technology SOP: LAP-GRI-BTS-018</p> <p>Manual procedures by Biorad cassette technology. LAP-GRI-BTS-009 LWI-GRI-BTS-069</p> <p>Biorad IH1000 analyser and associated testing protocols – fully automated Biorad cassette technology. LAP-GRI-BTS-0018</p>	A



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HUMAN BODY FLUIDS AND TISSUES (cont'd)	<u>Blood Transfusion Testing for use in clinical diagnosis</u> (cont'd)	Documented In-house methods using:	
Venous Blood;	Direct Anti-Human Globulin	Direct anti globulin test including manual techniques LAP-GRI-BTS-009	A
	<u>Haematology Testing for use in clinical diagnosis</u>	Documented In-house methods using: ACL TOPs and manufacturer's instructions ACL TOPS 750 and 550 ACL TOPs 350 and ACL TOP 300	A B C
Venous Blood: Citrated	Blood Coagulation <ul style="list-style-type: none"> • Prothrombin time • INR • Activated Partial Thromboplastin Time • Fibrinogen estimation by Clauss • D-Dimers 	Turbidimetric method Clot detection by optical rate of change of absorbance end point being the maximum rate of change SOP: LAP-ALL-COA-001	A, B , C
		Latex immunoassay SOP: LAP-ALL-COA-002	A, B



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HUMAN BODY FLUIDS AND TISSUES (cont'd)	<u>Haematology Testing for use in clinical diagnosis (cont'd)</u> Special Coagulation <ul style="list-style-type: none"> • APC Resistance • FII • FV • FVII • FVIII • FIX • FX • FXI • FXII • Lupus Anticoagulant 	Documented In-house methods using: ACL TOPs and manufacturer's instructions ACL tops 550 site A Clot Detection LAP-GRI-COA-031 LAP-GRI-COA-040 LAP-GRI-COA-035 Latex immunoassay LAP-GRI-COA-048 LAP-GRI-COA-032 Chromogenic immunoassay LAP-GRI-COA-033 LAP-GRI-COA-030 LAP-GRI-COA-016 LAP-GRI-COA-015 LAP-GRI-COA-036 LAP-GRI-COA-045 and 047 LAP-GRI-COA-063	A
	<ul style="list-style-type: none"> • vWF antigen • Protein S Free <ul style="list-style-type: none"> • Protein C • Antithrombin • Alpha 2 Antiplasmin • Plasminogen • FVIII • Anti Xa • FIX (Refixia) <ul style="list-style-type: none"> • FXIII 	Tecan Sunrise Plate Reader Chromogenic immunoassay LAP-GRI-COA-003 Chemiluminescent Werfen Acustar using manufacturers instructions LAP-GRI-COA-065 LAP-GRI-COA-069	
	Anti-Cardiolipin Antibodies <ul style="list-style-type: none"> • IgG • IgM vWF collagen binding activity vWFGP1bR Activity		



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HUMAN BODY FLUIDS AND TISSUES (cont'd) Whole Blood	<u>Haematology Testing for use in clinical diagnosis (cont'd)</u>		
	Factor V Leiden Prothrombin II Gene Mutation	Roche Lightcycler Real-time PCR LAP-GRI-COA-038 LAP-GRI-COA-039	
	ESR	StaRRsed InteRRliner StaRRsed AutoCompaq Visual detection of sedimentation interface by automated photometric detection LAP-GRI-HAE-039 LAP-ALL-HAE-006	A, B
	FBC	Documented In-house methods using: Sysmex FBC analysers XN LAP-ALL-HAE-001 XN 550 LAP-ALL HAE 010	A and B C and D
	<ul style="list-style-type: none"> • Haemoglobin estimation • Red cell and platelet counts • Haematocrit 	Colorimetric Laser light scatter Calculated parameter from Haemoglobin and RBC	A B C D
	<ul style="list-style-type: none"> • Differential white cell count 	Laser and light scatter and light absorbance	
	<ul style="list-style-type: none"> • MCV • MCH • MCHC 	Impedance Calculated parameters Calculated parameters	
<ul style="list-style-type: none"> • Reticulocyte 	Laser light scatter and absorbance	A B C	



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HUMAN BODY FLUIDS AND TISSUES (cont'd)	<u>Haematology Testing for use in clinical diagnosis (cont'd)</u>	Documented In-house methods using manufacturers' instructions	
Venous blood	Film reporting for normal and abnormal morphologies and WBC Diff	Staining by SP 10 MG/G – examined by microscopy LAP-ALL-HAE-003	A and B
Venous whole blood :EDTA	Malaria Parasite detection <ul style="list-style-type: none"> • P.falciparum • Non P.falciparum 	Antigen testing with Binax Now kit LAP-ALL-HAE-008	A and B
	Malaria Parasite – Plasmodium falciparum Parasitaemia	Thick film – Clintek Field Stain Thin- May Grunwald/ Giemsa Examined and enumeration by microscopy LAP-ALL-ALL-032	A
Bone Marrow	Bone Marrow Reporting of normal and abnormal morphologies	SP 10 (MG/G) LAP-ALL-HAE-003 Perl's Prussian Blue staining – LAP-ALL-HAE-007 Examined by microscopy.	A and B
Stained Trepines			B
Urine	Haemosiderin	Perl's Prussian Blue staining- visual detection of iron in urine LAP-ALL-HAE-007	B
Venous whole blood :EDTA	Haemoglobin S	Detection of decreased solubility of haemoglobin S with Sickledex LAP-ALL-ALL-002	A and B
Venous whole blood :EDTA	Infectious Mononucleosis screen (EBV) antibody	Clearview II Card Qualitative Immunoassay agglutination interpreted by visual inspection LAP-ALL-HAE-004	
Venous Blood	Estimation of Foetal cells	Kleihauer by Acid Elution using Clintek kit LAP-GRI-HAE-024	A



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Venous whole blood: EDTA	Haemoglobinopathy quantitation <ul style="list-style-type: none"> ○ HbA2 ○ HbFHbS ○ HbS Detection <ul style="list-style-type: none"> ○ HbA2 ○ HbF ○ HbA ○ HbC ○ HbD ○ HbE 	BioRad Variant II (β Thal short programme) by HPLC LAP-GRI-HAE-043 Helena Gel electrophoresis acid and alkali, detection of bands LAP-GRI-HAE-011 LAP-GRI-HAE-016	A
Blood, Bone marrow, CSF	<u>Immuno Haematology Testing for use in clinical diagnosis</u> Basic Lymphocyte panel	Documented In-house methods using manufacturer's instructions FACS CANTO 11 Flow Cytometry	B
Blood	CD2, CD3, CD4 , CD5,CD7, CD8, cd14, CD16, CD19,CD20, CD26, CD45 Kappa , Lambda, HLA-DR Investigation of Paroxysmal Nocturnal Haemoglobinuria FLAER, CD15, CD24, CD66b	LAP-GGH-ONC-012 LAP-GGH-ONC-008	
Peripheral blood stem cell collections	CD34 monitoring <ul style="list-style-type: none"> • CD34 + CD45 (+/- 7AAD) 	LAP-GGH-ONC-011	



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HUMAN BODY FLUIDS AND TISSUES (cont'd) Blood and Bone Marrow	<u>Immuno Haematology Testing for use in clinical diagnosis</u> (cont'd) Leukaemia/Lymphoma Immunophenotyping by multi parameter flow cytometry. Antibodies listed in cocktails for acute and chronic;- CLL , ALL, AML, MDS, mast cell and myeloma Panels: CD1a, CD2, CD3,CD4, CD5, CD7, CD8, CD10, CD 11b, CD11c, CD13,CD14*, CD15, CD16, CD19, CD20, CD22, CD23, CD25, CD79b, FMC7, CD33, CD34, CD38, CD45, CD56, CD 64* , CD79b, CD103, CD 117, CD123, CD138, CD200 Kappa, Lambda, HLA-DR, *Oncomark reagent CD14/CD64 Intracytoplasmic marker in panels: cCD3, cCd79a, MPO, TdT	Documented In-house methods using manufacturers' instructions FACS CANTO 11 Flow Cytometry LAP-GGH-ONC-012	B
END			