

# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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



Accredited to  
ISO 15189:2012

### NHS Greater Glasgow & Clyde

Issue No: 008 Issue date: 22 August 2023

Dept of Haematology  
Macewen Building  
Glasgow Royal Infirmary  
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Glasgow  
G4 0SF

Contact: Kevin Marriott  
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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
<p><b>Address</b> Dept of Haematology Macewen Building Glasgow Royal Infirmary 84 Castle Street Glasgow G4 0SF</p> <p><b>Local contact</b> Contact: Kevin Marriott Tel: +44 (0) 0141 211 5548</p>	Routine Haematology Special Coagulation Blood Transfusion	A
<p>Haematology Department Gartnavel General Hospital 1053 Great Western Road Glasgow G12 0YN</p> <p>As above</p>	Routine Haematology Immunohaematology Blood Transfusion	B
<p>Stobhill ACH 133 Balornock Road Glasgow G21 3UW</p> <p>As above</p>	Routine FBC and Coag	C
<p>Haematology Laboratory West Glasgow Ambulatory Care Hospital Yorkhill Glasgow G3 8SJ</p> <p>As above</p>	FBC Clinic	D





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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
<b>HUMAN BODY FLUIDS AND TISSUES</b>  Venous Blood;	<u>Blood Transfusion Testing for use in clinical diagnosis</u>	Documented In-house methods using:	
	Blood Grouping <ul style="list-style-type: none"> <li>• A B O</li> <li>• Rhesus:</li> <li>• C, c, D, E, e,</li> <li>• K</li> </ul>	Ortho Vision immunohaematology testing using BioVue card technology with digital image processing. SOP LAP-GRI-BTS-035	A, B
	Antibody Detection	3 cell panels, 6 Cell Rh(D) Panel, 11 cell panels SOP: LAP-GRI-BTS-018	A, B
	Alloantibody Titres	Alloantibody titres LAP-GRI-BTS-036	A
	Blood Grouping <ul style="list-style-type: none"> <li>• A B O</li> <li>• Rhesus:-C<sup>w</sup>,C, c, D, E, e,</li> <li>• K</li> <li>• Fya, Fyb</li> <li>• Jka, Jkb</li> <li>• Kpa Kpb</li> <li>• Lea, Leb</li> <li>• Lua Lub</li> <li>• M, N, S, s</li> </ul>	Manual procedures by BioVue gel cards. SOP LAP-GRI-BTS-037 Key SOPs: LAP-GRI-BTS-009 Sample processing pathway-manual techniques Determination of red cell antigen status LAP-GRI-BTS-011	A, B
	Compatibility testing of patients plasma with donor cells	Fully automated Biorad cassette technology SOP: LAP-GRI-BTS-018	
	Electronic Issue	SOP: LAB GRI BTS 032 Manual procedures by BioVue gel cards. SOP LAP-GRI-BTS-037	A, B
Direct Anti-Human Globulin	Ortho Vision immunohaematology testing using BioVue card technology with digital image processing. SOP LAP-GRI-BTS-035	A, B	



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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	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
	<ul style="list-style-type: none"> <li>• Prothrombin time</li> <li>• Thromboclotting time (TCT)</li> <li>• INR</li> <li>• Activated Partial Thromboplastin Time</li> <li>• Fibrinogen estimation by Clauss</li> </ul>		
	<ul style="list-style-type: none"> <li>• D-Dimers</li> </ul>	Latex immunoassay SOP: LAP-ALL-COA-002	A, B



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HUMAN BODY FLUIDS AND TISSUES (cont'd)	<p><u>Haematology Testing for use in clinical diagnosis</u></p> <p>Special Coagulation</p> <ul style="list-style-type: none"> <li>• APC Resistance</li> <li>• FII</li> <li>• FV</li> <li>• FVII</li> <li>• FVIII</li> <li>• FIX</li> <li>• FX</li> <li>• FXI</li> <li>• FXII</li> <li>• Lupus Anticoagulant</li> <li>• Factor Inhibitor Assay</li> </ul> <ul style="list-style-type: none"> <li>• vWF antigen</li> <li>• Protein S Free</li> </ul> <ul style="list-style-type: none"> <li>• Protein C activity</li> <li>• Protein C antigen</li> <li>• Antithrombin</li> <li>• Antithrombin antigen</li> <li>• Alpha 2 Antiplasmin</li> <li>• Plasminogen</li> <li>• FVIII</li> <li>• Anti Xa</li> <li>• FIX ( Refixia)</li> </ul> <ul style="list-style-type: none"> <li>• FXIII</li> </ul> <p>Anti-Cardiolipin Antibodies</p> <ul style="list-style-type: none"> <li>• IgG</li> <li>• IgM</li> </ul>	<p>Documented In-house methods using: ACL TOPs and manufacturer's instructions ACL tops 750 and 550 site A</p> <p>Clot Detection</p> <p>LAP-GRI-COA-031</p> <p>LAP-GRI-COA-040</p> <p>LAP-GRI-COA-035</p> <p>Latex immunoassay LAP-GRI-COA-048 LAP-GRI-COA-032</p> <p>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</p> <p>Tecan Sunrise Plate Reader Chromogenic immunoassay LAP-GRI-COA-003</p> <p>Chemiluminescent Werfen Acustar using manufacturers instructions</p> <p>LAP-GRI-COA-065</p>	<p>A</p> <p>A</p>



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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	
Whole Blood	vWF collagen binding activity	LAP-GRI-COA-069	
	vWFGP1bR Activity	LAP-GRI-COA-074	
	Heparin Induced Thrombocytopenia	LAP-GRI-COA-077	
	ADAMS13T	Roche Lightcycler Real-time PCR	
	Factor V Leiden	LAP-GRI-COA-038	
	Prothrombin II Gene Mutation	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	
• Haemoglobin estimation	Colorimetric	A B C D	
• Red cell and platelet counts	Laser light scatter		
• Haematocrit	Calculated parameter from Haemoglobin and RBC		
• Differential white cell count	Laser and light scatter and light absorbance		
• MCV	Impedance		
• MCH	Calculated parameters		
• MCHC	Calculated parameters		
• 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"> <li>• P.falciparum</li> <li>• Non P.falciparum</li> </ul>	RDT by CareSU™ Rapydtest Kit LAP-ALL-HAE-011	A and B
	Malaria Parasite – Plasmodium falciparum Parasitemia	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 SickleSCAN 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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HUMAN BODY FLUIDS AND TISSUES (cont'd)	<u>Haematology Testing for use in clinical diagnosis</u> (cont'd)	Documented In-house methods using manufacturer's instructions	
Venous whole blood: EDTA	Haemoglobinopathy quantitation <ul style="list-style-type: none"> <li>○ HbA2</li> <li>○ HbFHbS</li> <li>○ HbS</li> </ul> Detection <ul style="list-style-type: none"> <li>○ HbA2</li> <li>○ HbF</li> <li>○ HbA</li> <li>○ HbC</li> <li>○ HbD</li> <li>○ HbE</li> </ul>	BioRad Variant II ( $\beta$ 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  CD2, CD3, CD4, CD5, CD7, CD8, cd14, CD16, CD19, CD20, CD26, CD45 Kappa, Lambda, HLA-DR	Documented In-house methods using manufacturer's instructions  FACS Lyric Flow Cytometry  LAP-GGH-ONC-012	B
Blood	Investigation of Paroxysmal Nocturnal Haemoglobinuria  FLAER, CD15, CD24, CD66b	LAP-GGH-ONC-008	
Peripheral blood stem cell collections	CD34 monitoring <ul style="list-style-type: none"> <li>• CD34 + CD45 (+/- 7AAD)</li> </ul>	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 Lyric Flow Cytometry LAP-GGH-ONC-012	B
END			