

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>Accredited to ISO 15189:2012</p>	NHS Greater Glasgow and Clyde Issue No: 012 Issue date: 24 April 2025	
	Department of Biochemistry Macewen Building Glasgow Royal Infirmary Castle Street Glasgow G4 0SF	Contact: Patricia Love Tel: +44 (0) 141 242 9505 E-Mail: patricia.love@ggc.scot.nhs.uk Website: http://www.nhsggc.org.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						
<table style="width: 100%; border: none;"> <tr> <td style="width: 35%;">Address</td> <td style="width: 35%;">Local contact</td> <td></td> </tr> <tr> <td>Department of Biochemistry Macewen Building Glasgow Royal Infirmary Castle Street Glasgow G4 0SF</td> <td>As above</td> <td style="vertical-align: top;">A</td> </tr> </table>	Address	Local contact		Department of Biochemistry Macewen Building Glasgow Royal Infirmary Castle Street Glasgow G4 0SF	As above	A	Core Chemistry Immunoassay Endocrinology Electrophoresis Gastroenterology Vitamins Trace Elements	
Address	Local contact							
Department of Biochemistry Macewen Building Glasgow Royal Infirmary Castle Street Glasgow G4 0SF	As above	A						
<table style="width: 100%; border: none;"> <tr> <td style="width: 35%;">Address</td> <td style="width: 35%;">Local contact</td> <td></td> </tr> <tr> <td>Biochemistry Gartnavel General Hospital 1053 Great Western Road Glasgow G12 0YN</td> <td>As above</td> <td style="vertical-align: top;">B</td> </tr> </table>	Address	Local contact		Biochemistry Gartnavel General Hospital 1053 Great Western Road Glasgow G12 0YN	As above	B	Core Chemistry Immunoassay	
Address	Local contact							
Biochemistry Gartnavel General Hospital 1053 Great Western Road Glasgow G12 0YN	As above	B						
<table style="width: 100%; border: none;"> <tr> <td style="width: 35%;">Address</td> <td style="width: 35%;">Local contact</td> <td></td> </tr> <tr> <td>Biochemistry Stobhill ACH 133 Balornock Road Glasgow G21 3UW</td> <td>As above</td> <td style="vertical-align: top;">C</td> </tr> </table>	Address	Local contact		Biochemistry Stobhill ACH 133 Balornock Road Glasgow G21 3UW	As above	C	Core Chemistry	
Address	Local contact							
Biochemistry Stobhill ACH 133 Balornock Road Glasgow G21 3UW	As above	C						



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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 TISSUES AND FLUIDS	<u>Biochemistry Examination activities for the purposes of clinical diagnosis</u>	In-house documented procedures and manufacturer's instructions	
	<u>Core Chemistry</u>	Abbott Architect Chemistry SOP CP 129 c8000/c16000 c8000	B C
Serum	Alanine transaminase (ALT) Alkaline phosphatase (ALP) Amylase Aspartate transaminase (AST) Bicarbonate Bilirubin (Total) Calcium	Photometric end/detection point	B, C
	Creatine Kinase Electrolytes • Sodium • Potassium • Chloride Gamma-Glutamyl Transferase Magnesium		B B, C
	Phosphate		B,C
	Transferrin Iron		B



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN TISSUES AND FLUIDS (cont'd)	<u>Biochemistry Examination activities for the purposes of clinical diagnosis (cont'd)</u>	In-house documented procedures and manufacturer's instructions	
	<u>Core Chemistry (cont'd)</u>	Abbott Architect Chemistry SOP CP 129	
Serum/urine	Enzymatic creatinine		B, C
Serum	Urate		B, C
Serum	Lactate DeHydrogenase		B
Serum	Protein		B, C
Serum	Albumin		B, C
		Abbott Alinity c SOP INST 0578	A
Serum/plasma	Bicarbonate	PEP Carboxylase	A
	Iron	Ferene	A
	Total protein	Biuret	A



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HUMAN TISSUES AND FLUIDS (cont'd)	<u>Biochemistry Examination activities for the purposes of clinical diagnosis (cont'd)</u>	In-house documented procedures and manufacturer's instructions	A
Serum/Plasma	<u>Core Chemistry (cont'd)</u> Albumin ALP ALT Amylase AST Total Bilirubin Calcium Creatinine Enzymatic Glucose Gamma-Glutamyl Transferase Lactate Phosphate Urate Urea Chloride Potassium Sodium Creatine Kinase LDH Magnesium	Abbott Alinity ci SOP INST 0570 Spectrophotometry-Absorbance Accelerator selective detergent Ion selective electrode (ISE) Turbidimetric Spectrophotometry-Enzymatic	
Serum/Plasma	BHCG Hs Troponin I	Particle Enhanced Turbidimetric Inhibition Immunoassay (PETINIA) Chemiluminescent microparticulate immunoassay (CMIA)	



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HUMAN TISSUES AND FLUIDS (cont'd)	<u>Biochemistry Examination activities for the purposes of clinical diagnosis (cont'd)</u>	In-house documented procedures and manufacturer's instructions	
	<u>Core Chemistry (cont'd)</u>	Abbott Alinity i SOPINST0578	A
Serum/plasma	Alpha Fetal Protein Ca125 CEA	Chemiluminescent microparticulate immunoassay (CMIA)	A
	NTproBNP Parathyroid Hormone Prostate Specific Antigen	HMJACKarc (Q-FIT) SOP CP212	C
Faeces	Faecal Haemoglobin	Chemiluminescent microparticulate immunoassay (CMIA)	



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HUMAN TISSUES AND FLUIDS (cont'd)	<u>Biochemistry Examination activities for the purposes of clinical diagnosis (cont'd)</u>	In-house documented procedures and manufacturer's instructions	
Serum	<u>Core Chemistry (cont'd)</u> Alpha Fetoprotein Cancer Antigen 125 (Abbott) CarcinoEmbryonic Antigen Human Chorionic Gonadotropin Prostate Specific Antigen	Abbott Architect Immunoanalyser ISR 2000 SOP CP 129	B
Plasma/serum/urine	Calculated tests: AKI eGFR Adjusted calcium	By Calculation By MDRD Calculation By Calculation	A, B, C A, B, C A, B, C
Blood	<u>Special Chemistry</u>	Arkray HA 8190 Reverse Phase Cation exchange SOP CP 201	A
Serum/urine	Osmolality	Advanced Instruments (Vitech Scientific) micro-osmometer Osmo1 Freezing point Depression SOP CP 091	A, B, C



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HUMAN TISSUES AND FLUIDS (cont'd)	<u>Biochemistry Examination activities for the purposes of clinical diagnosis</u> (cont'd)	In-house documented procedures and manufacturer's instructions	
Serum/plasma	<u>Special Chemistry</u> (cont'd) 1, 25 dihydroxy vitamin D	IDS iSYS Automated Analyser CMIA SOP ENDO 141	A A
Urine	<u>Special Chemistry</u> Steroid profile: <ul style="list-style-type: none"> • Androsterone • Aetiocholanolone • Dehydroepiandrosterone (DHA) • 11-oxo-aetiocholanolone • 17-hydroxypregnanolone • 11β-hydroxyandrosterone • 11β-hydroxyaetiocholanolone • 16α-hydroxy-DHA • Pregnanediol • Pregnanetriol • Androstenetriol • Tetrahydrodeoxycortisol (THS) • Tetrahydro-11-deoxycorticosterone (THDOC) • 11-oxopregnanetriol • Pregnenetriol • Tetrahydrocortisone (THE) • Tetrahydro-11-dehydrocorticosterone (THA) • Tetrahydrocorticosterone (THB) • allo-THB • tetrahydrocortisol (THF) • allo-THF • α-cortolone • β-cortol • β-cortolone 	Thermo TSQ 8000 Analyser GC Mass Spectrometry SOP STER 001	A



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HUMAN TISSUES AND FLUIDS (cont'd)	<u>Biochemistry Examination activities for the purposes of clinical diagnosis (cont'd)</u>	In-house documented procedures and manufacturer's instructions	
Serum	<u>Proteins</u> Cryoglobulin	Sebia Hydrasys 2-electrophoresis SOP ENDO110	A
Plasma	Cryofibrinogen	By observation SOP ENDO110	
Plasma/serum	<u>Vitamins</u> A E	Waters HPLC System HPLC; photometric detection SOP VIT 001	A
Plasma	Beta-Carotene	SOP VIT 001	
Whole blood	B1 Thiamine	SOP VIT 002	
Packed red cells	B2 B6	SOP VIT 004	
Plasma/Serum	A E K	Waters TQ-D Liquid Chromatography Tandem Mass Spectrometry SOP VIT 031	A



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	<u>Trace Elements</u>	Agilent 7900 ICP-MS	
Hair	Arsenic Mercury	SOP TE 165	
Liver	Iron Copper		
Red cells	Selenium	SOP TE 174	
Plasma	Aluminium Copper Selenium Zinc	SOP TE 035 SOP TE 145 SOP TE 145 SOP TE 145	
Urine	Arsenic Cadmium Chromium Cobalt Copper Iron Magnesium Mercury Nickel Zinc	SOP TE 154 SOP TE 164 SOP TE 154 SOP TE 164	
Blood	Chromium Cobalt Lead Manganese Mercury	SOP TE 153 SOP TE 163	

END