


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <p>Accredited to ISO 15189:2022</p>	<b>NHS Greater Glasgow and Clyde</b>  <b>Issue No: 014    Issue date: 31 July 2025</b>	
	<b>Department of Biochemistry</b> <b>Macewen Building</b> <b>Glasgow Royal Infirmary</b> <b>Castle Street</b> <b>Glasgow</b> <b>G4 0SF</b>	<b>Contact: Patricia Love</b> <b>Tel: +44 (0) 141 242 9505</b> <b>E-Mail: Patricia.Love@nhs.scot</b> <b>Website: <a href="http://www.nhsggc.org.uk/">http://www.nhsggc.org.uk/</a></b>

**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 border="0" style="width: 100%;"> <tr> <td style="width: 60%;"><b>Address</b></td> <td style="width: 40%;"><b>Local contact</b></td> </tr> <tr> <td>Department of Biochemistry Macewen Building Glasgow Royal Infirmary Castle Street Glasgow G4 0SF</td> <td>As above</td> </tr> </table>	<b>Address</b>	<b>Local contact</b>	Department of Biochemistry Macewen Building Glasgow Royal Infirmary Castle Street Glasgow G4 0SF	As above	Core Chemistry Immunoassay Endocrinology Electrophoresis Gastroenterology Vitamins Trace Elements	A
<b>Address</b>	<b>Local contact</b>					
Department of Biochemistry Macewen Building Glasgow Royal Infirmary Castle Street Glasgow G4 0SF	As above					
<table border="0" style="width: 100%;"> <tr> <td style="width: 60%;">Biochemistry Gartnavel General Hospital 1053 Great Western Road Glasgow G12 0YN</td> <td style="width: 40%;">As above</td> </tr> </table>	Biochemistry Gartnavel General Hospital 1053 Great Western Road Glasgow G12 0YN	As above	Core Chemistry Immunoassay	B		
Biochemistry Gartnavel General Hospital 1053 Great Western Road Glasgow G12 0YN	As above					
<table border="0" style="width: 100%;"> <tr> <td style="width: 60%;">Biochemistry Stobhill ACH 133 Balornock Road Glasgow G21 3UW</td> <td style="width: 40%;">As above</td> </tr> </table>	Biochemistry Stobhill ACH 133 Balornock Road Glasgow G21 3UW	As above	Core Chemistry	C		
Biochemistry Stobhill ACH 133 Balornock Road Glasgow G21 3UW	As above					



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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 Alinity Chemistry	
		CIC/CI CI/C C	A B C
Serum	Alanine transaminase (ALT) Alkaline phosphatase (ALP) Amylase Aspartate transaminase (AST) Bicarbonate Bilirubin (Total) Calcium C Reactive Protein Creatine Kinase Electrolytes • Sodium • Potassium • Chloride Gamma-Glutamyl Transferase Magnesium Cholesterol Immunoglobulins (IgA, IgG, IgM)	Photometric end/detection point	B, C
	Phosphate		B,C
	Angiotensin-converting enzyme		B
	Transferrin Triglycerides Iron		B
Serum/plasma	HDL		B
	Lipase		B
Serum/plasma/CSF	Glucose		B, C



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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 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
Serum	Vancomycin		C
		Abbott Alinity c SOP INST 0578	A
Serum/plasma	Alpha-1 antitrypsin	Turbidometric/immunoturbidometric	A
Serum/plasma	Apolipoprotein A1 Apolipoprotein B Caeruloplasmin Haptoglobin IgA IgG IgM Lpa Transferin	Immunoturbidometric	A
Serum/plasma	Carbamazepine Digoxin Valproic acid	Particle Enhanced Turbidimetric Inhibition Immunoassay (PETINIA)	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	
	<u>Core Chemistry (cont'd)</u>	Abbott Alinity c SOP INST 0578	A
Serum/plasma	Bicarbonate	PEP Carboxylase	A
	Iron	Ferene	A
	Lithium	Colourimetric	
	Phenytoin Theophylline	Enzyme immunoassay	
	Total protein	Biuret	A
CSF	CSF Glucose CSF Protein	Hexokinase/G-6-PDH Benzethonium Chloride	
Urine	Amylase Creatinine enzymatic	Enzymatic	
	Calcium	Arsenazo III	
	Microalbumin	Turbidimetric/immunoturbidimetric	
	Phosphorus	Phosphomolybdate	
	Protein	Benethonium chloride	
	Uric acid Urea	Uricase	
	Chloride Potassium Sodium	Ion Selective Electrode	
	Oxalate	Photometric	



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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 Ethanol Glucose Gamma-Glutamyl Transferase Lactate Paracetamol Phosphate Salicylate Urate Urea Ultra HDL-High density Lipoprotein	Abbott Alinity ci SOP INST 0570  Spectrophotometry-Absorbance	
	Chloride Potassium Sodium	Accelerator selective detergent  Ion selective electrode (ISE)	
	CRP	Turbidimetric	
	Cholesterol Creatine Kinase Direct Bilirubin LDHMagnesium Triglyceride Gentamycin Vancomycin	Spectrophotometry-Enzymatic  Particle Enhanced Turbidimetric Inhibition Immunoassay (PETINIA)	
Serum/Plasma	BHCG Hs Troponin I	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/plasma	<u>Core Chemistry (cont'd)</u>  Alpha Fetal Protein Anti-Thyroid Peroxidase Ca125 CEA Cortisol Estradiol Ferritin Folate Follicle Stimulating Hormone Free thyroxine (T4) Insulin Luteinising Hormone Methotrexate NTproBNP Parathyroid Hormone Prolactin Procalcitonin Progesterone Prostate Specific Antigen Sex Hormone Binding Globulin Testosterone Total Triiodothyronine (T3) Thyroid Stimulating Hormone 25-OH Vitamin D	Abbott Alinity i SOP INST 0578  Chemiluminescent microparticulate immunoassay (CMIA)	A  A
Serum	Serum Thyroid-stimulating hormone receptor antibodies (TRAb)	Chemiluminescent microparticulate immunoassay (CMIA)	
Faeces	Faecal Haemoglobin	HMJACKarc (Q-FIT) SOP CP212  Chemiluminescent microparticulate immunoassay (CMIA)	C



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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 Thyroid Stimulating Hormone (TSH) FreeT4	Abbott Alinity Immunoanalyser  SOP CP 129	B
Plasma/serum/urine	Calculated tests:  AKI eGFR LDL Cholesterol (A only) Adjusted calcium	By Calculation By MDRD Calculation By Friedwald Calculation By Calculation	A ,B, C A, B, C A A, B, C



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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>Special Chemistry</u>		
Blood	HbA1C	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
Serum	Anti-Mullerian hormone	SOP ENDO 101	
Plasma	Erythropoietin	SOP ENDO 120	
Serum	<u>Thyroglobulin</u> <u>Thyroglobulin antibodies</u>	SOP ENDO 136 SOP ENDO 137	
Faeces	Calprotectin	Grifols's Triturus Analyser -ELISA SOP GP 015	A
Serum	Chromogranin A	SOP ENDO 126	
Plasma	Adrenocorticotrophic hormone C-peptide Gastrin	Siemens Immulite 2000XPi-CMIA SOP ENDO 046 SOP ENDO 023 SOP ENDO 086	A
Serum/plasma	Calcitonin	SOP ENDO 142  IDS iSYS Automated Analyser CMIA	
Serum	Insulin like growth factor 1	SOP ENDO 093	A
Plasma	Growth hormone	SOP ENDO 139	
	Renin	SOP ENDO 132	
	Aldosterone	SOP ENDO 131	
Serum/plasma	1, 25 dihydroxy vitamin D	SOP ENDO 141	A



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HUMAN TISSUES AND FLUIDS (cont'd)	<u>Biochemistry Examination activities for the purposes of clinical diagnosis (cont'd)</u>  <u>Special Chemistry (cont'd)</u>	In-house documented procedures and manufacturer's instructions	
Blood spot	17-Hydroxyprogesterone	XEVO TQ-S liquid chromatography tandem mass spectrometer	A
serum	Androgen Profile • Testosterone • Androstenedione 17 $\alpha$ -hydroxyprogesterone	SOP ENDO 098  SOP ENDO 089	
Urine	Cortisol	SOP ENDO 094	
Serum	Vitamin D (D2 D3 Total)	SOP ENDO 070	
Plasma	Plasma Metanephrines • Normetanephrines • Metanephrines • 3-Methoxytyramine	SOP ENDO 133	A
Urine	Urine Metanephrines • Normetanephrines • Metanephrines • 3-Methoxytyramine	SOP ENDO 134	A
Urine	5-hydroxyindoleacetic acid (5-HIAA)	SOP ENDO 135	A
Serum	Androgen Profile • Testosterone • Androstenedione • 17 $\alpha$ -Hydroxyprogesterone Cortisol	SOP ENDO 089	A
Serum	Dehydroepiandrosterone Sulphate (DHEAS)	SOP ENDO 140 TQS NOT TQXS	A



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HUMAN TISSUES AND FLUIDS (cont'd)  Urine	<u>Biochemistry Examination activities for the purposes of clinical diagnosis (cont'd)</u>  <u>Special Chemistry (cont'd)</u>  Steroid profile: <ul style="list-style-type: none"> <li>• Androsterone</li> <li>• Aetiocholanolone</li> <li>• Dehydroepiandrosterone (DHA)</li> <li>• 11-oxo-aetiocholanolone</li> <li>• 17-hydroxypregnanolone</li> <li>• 11<math>\beta</math>-hydroxyandrosterone</li> <li>• 11<math>\beta</math>-hydroxyaetiocholanolone</li> <li>• 16<math>\alpha</math>-hydroxy-DHA</li> <li>• Pregnanediol</li> <li>• Pregnanetriol</li> <li>• Androstenetriol</li> <li>• Tetrahydrodeoxycortisol (THS)</li> <li>• Tetrahydro-11-deoxycorticosterone (THDOC)</li> <li>• 11-oxopregnanetriol</li> <li>• Pregnenetriol</li> <li>• Tetrahydrocortisone (THE)</li> <li>• Tetrahydro-11-dehydrocorticosterone (THA)</li> <li>• Tetrahydrocorticosterone (THB)</li> <li>• allo-THB</li> <li>• tetrahydrocortisol (THF)</li> <li>• allo-THF</li> <li>• <math>\alpha</math>-cortolone</li> <li>• <math>\beta</math>-cortol</li> <li>• <math>\beta</math>-cortolone</li> </ul>	In-house documented procedures and manufacturer's instructions  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	
Serum/urine	Monoclonal bands	Immunofixation SOP ENDO109	
Urine	Protein bands	Sebia Hydrasys 2 EP Electrophoresis SOP ENDO112	
Serum	Protein Bands	SEBIA Capillarys 2-Electrophoresis SOP ENDO111	
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