

# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <b>UKAS</b> MEDICAL 9572  Accredited to ISO 15189:2012	<b>NHS Greater Glasgow and Clyde</b>  Issue No: 005 Issue date: 23 December 2021	
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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
<b>Address</b> Department of Biochemistry Macewan Building Glasgow Royal Infirmary Castle Street Glasgow G4 0SF  <b>Local contact</b> As above	Core Chemistry Immunoassay Endocrinology Electrophoresis Gastroenterology Vitamins Trace Elements	A
Biochemistry Gartnavel General Hospital 1053 Great Western Road Glasgow G12 0YN  As above	Core Chemistry Immunoassay	B
Biochemistry Stobhill ACH 133 Balornock Road Glasgow G21 3UW  As above	Core Chemistry	C



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**Site activities performed away from the locations listed above:**

Location details	Activity	Location code
Diabetic Clinic Gartnavel General Hospital 1053 Great Western Road Glasgow G12 0YN As above	HbA1C	D
Clinic D Stobhill ACH 133 Balornock Road Glasgow G21 3UW As above	HbA1C	E





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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	
	<u>Core Chemistry</u> (cont'd)	Abbott Architect Chemistry SOP CP 129	
Serum/urine	Enzymatic creatinine		B, C
Serum	Urea		B, C
Serum	Lactate DeHydrogenase Urea		B B, C
Serum	Protein		B, C
CSF	Protein		B
Serum	Albumin		B, C
Serum	Vancomycin		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/Plasma	<ul style="list-style-type: none"> <li>• BHCG</li> <li>• HSTNI</li> <li>• Gentamycin</li> <li>• Vancomycin</li> </ul>	Abbott Alinity ci SOP INST 0570 Chemiluminescent microparticulate immunoassay (CMIA)	A
Serum	Alpha Fetoprotein Cancer Antigen 125 (Abbott) CarcinoEmbryonic Antigen Human Chorionic Gonadotropin Prostate Specific Antigen Thyroid Stimulating Hormone (TSH) FreeT4	Abbott Architect Immunoanalyser ISR 2000 SOP CP 129	B B
Blood	<u>Special Chemistry</u> HbA1C	Menarini HA 8180 Reverse Phase Cation exchange SOP CP 201	D, E
Serum/urine	Osmolality	Vitech advanced micro-osmometer Freezing point Depression SOP CP 091	A, B, C
Serum	Anti-Mullerian hormone	Beckman Access- CMIA SOP ENDO 101	A
Plasma	Erythropoietin	SOP ENDO 120	
Faeces	Calprotectin	Grifols's Triturus Analyser -ELISA SOP GP 015	A
Serum	Thyroid receptor AB (Trab)	SOP ENDO 016	



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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	
	<u>Special Chemistry</u> (cont'd)		
Plasma	Adrenocorticotrophic hormone C-peptide Gastrin	Siemens Immulite 2000XPi-CMIA SOP ENDO 046 SOP ENDO 023 SOP ENDO 086	A
Serum	Growth hormone	SOP ENDO 021	
Serum	Insulin like growth factor 1	IDS iSYS Automated Analyser CMIA SOP ENDO 093	A
Blood spot	17-Hydroxyprogesterone	XEVO TQ-S liquid chromatography tandem mass spectrometer SOP ENDO 098	A
serum	Androgen Profile <ul style="list-style-type: none"> <li>• Testosterone</li> <li>• Androstenedione</li> <li>• 17<math>\alpha</math>-hydroxyprogesterone</li> </ul>	SOP ENDO 089	
Urine	Cortisol	SOP ENDO 094	
Serum	Vitamin D (D2 D3 Total)	SOP ENDO 070	
Plasma/serum/urine	Calculated tests <ul style="list-style-type: none"> <li>• AKI</li> <li>• eGFR</li> <li>• LDL Cholesterol</li> <li>• Adjusted calcium</li> </ul>	By Calculation By MDRD Calculation By Friedwald Calculation By Calculation	A, B, C A, B, C A A, B, C



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<p>HUMAN TISSUES AND FLUIDS (cont'd)</p> <p>Urine</p>	<p><u>Biochemistry Examination activities for the purposes of clinical diagnosis</u> (cont'd)</p> <p><u>Special Chemistry</u> (cont'd)</p> <p>Steroid profile:</p> <ul style="list-style-type: none"> <li>• Androsterone</li> <li>• Aetiocholanolone</li> <li>• dehydroepiandrosterone (DHA), 11-oxaetiocholanolone,</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, Pregnanediol,</li> <li>• Pregnanetriol, Androstenetriol, Tetrahydrodeoxycortisol,</li> <li>• tetrahydro-11deoxycorticosterone,</li> <li>• 11-oxopregnanetriol, Pregnenetriol, tetrahydrocortisone, tetrahydro-11-dehydrocorticosterone, tetrahydrocorticosterone(T HB)</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>	<p>In-house documented procedures and manufacturer's instructions</p> <p>Thermo TSQ 8000 Analyser GC Mass Spectrometry</p> <p>SOP STER 001</p>	A



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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	<u>Proteins</u> ALP Isoenzymes	Sebia Hydrasys 2-electrophoresis SOP ENDO 018	A
Plasma	Cryoglobulin	SOP MS 005	
Serum/urine	Cryofibrinogen	SOP MS 005	
Urine	Monoclonal bands	Immunofixation SOP MS 004	
Serum	Protein bands	Sebia Hydrasys 2 EP Electrophoresis SOP MS 029	
	Protein Bands	SEBIA Capillarys 2-Electrophoresis SOP MS 027	
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	



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Urine	<u>Trace Elements</u> Cadmium Arsenic Chromium Cobalt Copper Iron Magnesium Nickel Zinc	Agilent 7700 ICP-MS  SOP TE 154  SOP TE164	A
Blood	Chromium Cobalt Lead Manganese Mercury	SOP TE 153  SOP TE 163	
Hair	Arsenic Mercury	Agilent 7900 ICP-MS SOP TE 165	A
Urine	Mercury		
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	
END			