


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 9610 Accredited to ISO 15189:2022	NHS Highland Issue No: 012 Issue date: 23 January 2025	
	Blood Sciences Department Zone 3 Laboratories (1st Floor) Raigmore Hospital Old Perth Road Inverness IV2 3UJ	Contact: Jennifer Law Tel: +44 (0)1463 704117 E-Mail: jennifer.law@nhs.scot
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
Address	Local contact		
Raigmore Hospital Zone 3 Laboratories (1st Floor) Raigmore Hospital Old Perth Road Inverness IV2 3UJ	Jennifer Law Tel: 01463 704117 Email: jennifer.law@nhs.scot	Routine Clinical Chemistry and Immunochemistry Miscellaneous Chemistry Routine haematology and Coagulation, Haematinics Haemoglobinopathy screening	A
Laboratory Belford Hospital Belford Road Fort William PH33 6BS	Tina Webster Tel: 01397 707423 Email: tina.webster3@nhs.scot	Routine Clinical Chemistry and Immunochemistry Routine haematology and Coagulation Manual Blood group serology	B
Laboratory Caithness General Hospital Bankhead Wick KW1 5NS	Johan Campbell Tel: 01955880266 or 267 Email: Johan.campbell@nhs.scot	Routine Clinical Chemistry Routine haematology and Coagulation Manual Blood group serology	C

Site activities performed away from the locations listed above:

Location details		Activity	Location code
Blood Fridge Belford	Pre-assessment Unit	Blood Storage only	D



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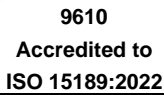
NHS Highland

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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 TISSUE	<u>Blood Transfusion examination activities for the purpose of clinical diagnosis</u>	In house documented procedures based on manual gel methods using-	
Blood	Blood Group <ul style="list-style-type: none"> • A • B • O • Rh Antibody detection	Diamed ABO and rhesus blood group BSBT 005, Diamed antibody screen BSBT 06, 3 cell panel	B and C
	Crossmatch-Compatibility testing of patients' plasma with donor cells	Diamed crossmatch procedure BSBT 07	
	Direct Antiglobulin (DAGT)	Diamed direct antiglobulin test BSBT 008	
	<u>Biochemistry examination activities for the purpose of clinical diagnosis</u>	In house documented procedures based on equipment manuals and standard methods using- Advia 2400(SOP-BSL 117)	
Serum	Albumin Alkaline Phosphatase ALT Amylase AST Bicarbonate Bilirubin, total Calcium Cholesterol Creatinine (Jaffe) Creatine Kinase (CK) Gentamicin Gamma Glutamyl Transferase Glucose HDL-Cholesterol	Detected by Photometry.	A,



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HUMAN BODY FLUIDS AND TISSUE (cont'd)	<u>Biochemistry examination activities for the purpose of clinical diagnosis</u> (cont'd)	In house documented procedures based on equipment manuals and standard methods using- Advia 2400(SOP-BSL 117)	A
Serum	Magnesium Urea Phosphate Triglycerides Toxicology • Ethanol • Paracetamol • Salicylate Urate Lactate Dehydrogenase (LDH)	Detected by photometry cont.	A, A
Plasma	Glucose Lactate		A, A
Serum	Bilirubin, direct Carbamazepine Creatinine (Enzymatic) Digoxin Lithium Phenobarbitone Phenytoin Serum Iron Theophylline Tobramycin Valproate Vancomycin		A
Plasma	Ammonia		
CSF	Glucose Total protein	BSL 117	
Serum	Sodium Potassium Chloride	Detected by ISE	A,



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HUMAN BODY FLUIDS AND TISSUE (cont'd)	<u>Biochemistry examination activities for the purpose of clinical diagnosis (cont'd)</u>	In house documented procedures based on equipment manuals and standard methods using- Siemens Advia 2400 (BSL 117) by ion selective electrodes	A
Urine	Creatinine (Jaffe) Potassium Sodium Microalbumin Protein Urea	By Photometry	
Serum	Sodium Potassium Chloride Albumin Ethanol_ Alkaline Phosphatase_ Alanine Aminotransferase Amylase AST (GOT) Total Bilirubin Calcium Cholesterol Direct HDL Cholesterol Creatine Kinase CRP_ Gamma-Glutamyl Transferase Gentamicin_ Glucose Magnesium Acetaminophen Phosphate Salicylate Total Protein Triglycerides_ Urea Uric Acid	Siemens Advia 1800 SOP BSL 022 by Photometry	B and C
Serum	LDH		B
Plasma	Lactate		
Serum	Creatinine (Enzymatic)		B and C



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HUMAN BODY FLUIDS AND TISSUE (cont'd)	<u>Biochemistry examination activities for the purpose of clinical diagnosis (cont'd)</u>	In house documented procedures based on equipment manuals and standard methods using-	
Serum	LDL Cholesterol eGFR Adjusted/corrected Calcium Free androgen index (FAI)(male only)	By Friedwald Calculation BSL 117 By CKD-EPI Calculation By calculation BSL 116 By calculation	A,
Urine	Albumin/Creatinine Ratio Protein/Creatinine Ratio Creatinine clearance	By calculation SOP BSL 117	A
Serum	<u>Chemistry-Immunoassay</u>	using Chemiluminescent Immunoassay (CMIA) Siemens Centaur XP (BSM 116)	A
	Ferritin Folic acid Free thyroxine		A, B
	PSA TSH Vitamin B12		
	HCG		
Plasma	High Sensitive Troponin-I (hsTrop-I)	Architect i2000 Immunoassay BSL 124	A
Whole Blood	Troponin I	iSTAT Cardiac Troponin I test cartridge- ELISA BSL327	C



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Serum	AFP CEA Cortisol FSH LH Oestradiol Progesterone Prolactin PTH CA125 Testosterone (male only)	Siemens Centaur XP (BSL 116) using suppliers' methods and measurement by immunoassay.	A
Whole blood	Tacrolimus	Abbott Architect supplier method and measurement by immunoassay BSL 121	A
CSF	<u>Miscellaneous Biochemistry</u> Xanthochromia	Suppliers (Perkin Elmer and WinLab) method and measurement by spectrophotometry BSL 102 using North Star BIO- UV Spectrophotometre	A
Urine	Drugs of Abuse screen	Nal Von Minden drug-screen dip test BSL 112	A
Serum/Urine	Osmolality	Vitech MicroOsmometer 3320 supplier's method and measurement by freezing point depression BSL 110	A



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HUMAN BODY FLUIDS AND TISSUE (cont'd)	<u>Biochemistry examination activities for the purpose of clinical diagnosis (cont'd)</u>	In house documented procedures based on equipment manuals and standard methods using-	
Urine	hCG	Alere Testpack Plus hCG COMBO using manufacturers' instructions BSL 107	B, C
Whole blood	HbA1C	TOSOH G8 supplier method measurement by HPLC BSL 114	A
	<u>Haematology examination activities for the purpose of clinical diagnosis</u>	Documented In-house methods using: ACL TOPS 500	
Venous Blood: Citrated	Blood Coagulation		
	<ul style="list-style-type: none"> Prothrombin time <ul style="list-style-type: none"> INR Activated Partial Thromboplastin Time Thrombin Time Fibrinogen estimation <ul style="list-style-type: none"> Clauss DDimers 	Turbidimetric method Clot detection by optical rate of change of absorbance end point being the maximum rate of change SOP BSL 252 Latex method: - SOP: BSL 252	A, B, C
	Factors assays (Intrinsic) <ul style="list-style-type: none"> VIII IX XI XII 	BSL 254	A
	Factors assays (Extrinsic) <ul style="list-style-type: none"> II V VII X 	BSL 253	A
	Factor Inhibitor Screen Factor Inhibitor Assay	BSL 259 BSL 263	



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HUMAN BODY FLUIDS AND TISSUE (cont'd)	<u>Haematology examination activities for the purpose of clinical diagnosis (cont'd)</u>	Documented In-house methods using: ACL TOPS 500	A
	Anti-Xa Assay	Chromogenic SOP: BSL 255	
	Von Willebrand Factor <ul style="list-style-type: none"> ○ Antigen ○ Activity 	Latex method SOP: BSL 256	
	Thrombophilia screen; - <ul style="list-style-type: none"> • Anti-Thrombin • protein C • protein S 	BSL 257 clot detection Chromogenic Chromogenic 257 latex BSL 258-clot detection	
	Lupus Screen	Siemens Advia 2120i, supplier methods and measurement by; SOP BSL 201	A, B, C
	FBC; - <ul style="list-style-type: none"> • Haemoglobin • Red Cell Count • Platelet Count • Mean Cell Volume • HCT • MCH • MCHC • Nucleated Red Cell Count • White Blood Cell Count (total) • Neutrophil Count • Lymphocyte Count • Monocyte Count • Eosinophil Count • Basophil Count • Reticulocyte Count • % Hypochromia • RDW • MPV 	colorimetry Light scatter by calculation flow cytometry light scatter, and impedance	



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HUMAN BODY FLUIDS AND TISSUE (cont'd)	<u>Haematology examination activities for the purpose of clinical diagnosis (cont'd)</u>	Documented In-house methods using:	
Whole Blood	Blood Films: Morphology	Modified Wrights stain and Light microscopy BSL 202(manual preparation), BSL 205 (reporting) BSL 204 Advia 2120i Autoslide	A, B, C A
	Haemoglobinopathy Screening <ul style="list-style-type: none"> • HbA2 • HbF • HbA • HbS 	TOSOH G8 supplier method measurement by HPLC BSL 221	A
	Glucose 6-phosphate dehydrogenase	Trinity Biotech enzyme method using spectrophotometry BSL 217	A
	Plasma viscosity	Benson viscometer suppliers' method and measurement by plasma viscosity BSL 209	A
	Infectious Mononucleosis antibody	Rapid Clearview IM II lateral flow immunoassay BSL 015	A, B, C
END			