


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>UKAS MEDICAL 9610</p> <p>Accredited to ISO 15189:2012</p>	<h3>NHS Highland</h3> <p>Issue No: 008 Issue date: 10 September 2021</p>	
	<p>Blood Sciences Department Zone 3 Laboratories (1st Floor) Raigmore Hospital Old Perth Road Inverness IV2 3UJ</p>	<p>Contact: Zeshan Mahmood Tel: +44 (0)1463 704113 E-Mail: zeshan.mahmood@nhs.scot</p>
<p>Testing performed by the Organisation at the locations specified below</p>		

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	Zeshan Mahmood Tel: 01463 704113 Email: zeshan.mahmood@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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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 	Diamed ABO and rhesus blood group BSBT 005,	B and C
	Antibody detection	Diamed antibody screen BSBT 06, 3 cell panel	
	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- 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 Plasma	LDH Lactate		B
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</u> (cont'd)	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> Ferritin Folic acid Free thyroxine PSA TSH Vitamin B12 HCG	using Chemiluminescent Immunoassay (CMIA) Siemens Centaur XP (BSM 116) Siemens Centaur CP (BSL 010)	A B A, B
Plasma	High Sensitive Troponin-I (hsTrop-I)	Architect i2000 Immunoassay BSL 124	A
Serum	Troponin I	Siemens Centaur CP (BSL 010)	B
Whole Blood	Troponin I	iSTAT Cardiac Troponin I test cartridge- ELISA BSL327	C



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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-	
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</u> (cont'd)	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	A, B, C
	Factors assays (Intrinsic)	BSL 254	A
	<ul style="list-style-type: none"> • VIII • IX • XI • XII 		
	Factors assays (Extrinsic)	BSL 253	A
	<ul style="list-style-type: none"> • II • V • VII • X 		
	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> Anti-Xa Assay Von Willebrand Factor <ul style="list-style-type: none"> ○ Antigen ○ Activity 	Documented In-house methods using: ACL TOPS 500 Chromogenic SOP: BSL 255 Latex method SOP: BSL 256	A
	Thrombophilia screen; - <ul style="list-style-type: none"> • Anti-Thrombin • protein C • protein S Lupus Screen	BSL 257 clot detection Chromogenic Chromogenic 257 latex BSL 258-clot detection 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 	colorimetry Light scatter by calculation flow cytometry light scatter, and impedance	



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