


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 Accredited to ISO 15189:2022	NHS Fife Issue No: 010 Issue date: 28 March 2025	
	Department of Blood Sciences South Laboratory Victoria Hospital KIRKCALDY FIFE KY2 5AH	Contact: Sarah Dack Tel: +44 (0) 1592 2648055 Email: sarah.dack@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 Department of Blood Sciences South Laboratory Victoria Hospital KIRKCALDY FIFE KY2 5AH	Local contact Sarah Dack Tel: 01592 2648055 Email: sarah.dack@nhs.scot	Routine Haematology and Coagulation Blood Transfusion Routine Biochemistry Toxicology Proteins	A

Site activities performed away from the locations listed above:

Location details	Activity
Blood Fridges QMH Blood Issue Room	Blood Storage Only
Blood Fridge VHK, Theatres 1	Blood Storage Only



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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	Chemistry examination activities for the purpose of clinical diagnosis	In house methods using manufacturer's instructions	A
Serum/Plasma	Albumin Alcohol Alkaline Phosphatase Alpha 1 Antitrypsin ALT Ammonia Amylase Angiotensin Converting Enzyme AST Bicarbonate Bilirubin, direct Bilirubin, total Carbamazepine Chloride Cholesterol CK Creatinine C-Reactive Protein Gentamycin GGT Glucose Haptoglobin HDL-Cholesterol IgA IgG IgM Iron Lactate LDH Lithium Mg Paracetamol Phenytoin Phosphate Salicylate Theophylline Total Protein Transferrin Triglyceride Urea Uric acid Valproate Vancomycin	In house methods using Roche Cobas 8000. Detected by Photometry. SOP series BSCORE33,34,35. (Buhlmann) (Jaffe and Enzymatic)	



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HUMAN BODY FLUIDS AND TISSUE	Chemistry examination activities for the purpose of clinical diagnosis	In house methods using manufacturer's instructions	A
Serum/Urine	AKI Albumin/Creatinine Ratio LDL Cholesterol eGFR Adjusted/corrected Calcium Protein/Creatinine Ratio Transferrin Saturation Free Androgen Index Calculated Free Testosterone Adjusted Phenytoin Monomeric Prolactin	In house methods using Roche Cobas 8000 By calculation By calculation By Friedwald Calculation By MDRD Calculation By calculation By calculation By calculation By calculation By calculation By calculation By calculation	
Serum /Plasma/Urine/Fluid	Sodium Potassium Chloride	In house methods using Roche Cobas 8000. Detected by Ion selective electrode (ISE). SOP series BSCORE33,34,35	
	Albumin/Microalbumin Calcium Creatinine Magnesium Phosphate (inorganic) Urea Uric Acid/Urate pH Protein		
CSF	Glucose Protein Lactate		



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Serum/Plasma	<u>Chemistry-Immunoassay</u> AFP CA125 CEA Cortisol Digoxin FSH hCG LH Macroprolactin NT Pro-BNP Oestradiol Parathyroid hormone (PTH) Pre-clampsia markers <u>SFlt-1/PGF and calculated ratio</u> Procalcitonin Progesterone Prolactin PSA Free T3 Free T4 SHBG Testosterone High Sensitivity Troponin T TSH	In house methods using Roche Cobas 8000 Detected by electro-chemilluminesce (ECLIA) SOPs;- BSCORE33, 34, 35.	
Serum/Plasma/Urine	Osmolality	Vitech Osmometer SOP BSSPEC21 by freezing point depression	



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Serum/Urine	Detection of paraprotein bands Monoclonal bands.	Using Sebia Capillarys 2 by Protein Electrophoresis and Immunofixation Using SOPs BSSPEC10, 11, 12, 13, 14	
Serum/Plasma	Cryoproteins/Cryoglobulins	By Differential temperature sedimentation/precipitation; Capillarys 2 capillary zone electrophoresis; SOP BSSPEC23, 12, 13 and 14	
	<u>Toxicology</u>		
Urine	Amphetamine Buprenorphine Cannabis (THC) Cocaine Methadone Metabolite (EDDP) Opiates	Roche Cobas 8000- Measurement by kinetic interaction of microparticles in solution (KIMS). SOP-BSCORE 33,34,35.	
Urine	Opiate and amphetamine drug screen confirmations	Thermo ISQ LT Mass Spec Gas Chromatograph/mass spectroscopy (GCMS). SOP- BSSPEC 4,6,7.	
Serum/Plasma	Anti-TTG	Diason Liaison XL-By CLIA BSCORE 92	
Serum	B12, Folate & Ferritin	Roche Cobas 8000 - Immunoassay BSCORE34 BSCORE65	



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HUMAN BODY FLUIDS	<u>Blood Transfusion examination activities for the purpose of clinical diagnosis</u>	Documented In-house methods using:	
Venous Blood	Estimation of Foetal cells	Kleihauer test using Guest Medical kit by Acid Elution SOP : BSTRAN4 (Kleihauer SOP) BSTRAN5 (Kleihauer Laboratory Instructions)	A
	Blood Grouping <ul style="list-style-type: none"> A B O Rhesus: C, c, D, E, e, K 	Grifols Erytra Eflexis SOP BSTRAN210 Rh-subgroup phenotyping cards SOP: BSTRAN210 (Automated Blood Bank Testing SOP)	A
	Antibody Detection	4 cell panels, 11 cell panels, 15 cell extended cell panel and NHSBT panel. BSTRAN210 Automated Testing SOP BSTRAN140 (Antibody ID and Referral Lab Instruction)	A
	Blood Grouping <ul style="list-style-type: none"> A B O K Fya, Fyb Jka, Jkb Kpa Lea, Leb Lua M, N, S, s 	Grifols Erytra Eflexis SOP BSTRAN210 BSTRAN214 Grifols Manual group and screen lab instruction and BSTRAN230 Manual Grifols Antibody Investigation Lab Instructions Grifols Erytra Eflexis SOP BSTRAN210	A



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HUMAN BODY FLUIDS	<u>Blood Transfusion examination activities for the purpose of clinical diagnosis</u>	Documented In-house methods using:	A
Venous Blood	Compatibility testing of patients plasma with donor cells	Grifols Erytra Eflexis SOP BSTRAN210 BSTRAN221 Eflexis automated cross match lab instructions Grifols Erytra Eflexis SOP BSTRAN210 BSTRAN225 Manual cross match testing lab instructions Sample processing pathway- manual techniques SOP: BSTRAN224 Blood Transfusion manual testing SOP	
Venous Blood	Direct Anti-Human Globulin	Grifols Erytra Eflexis SOP BSTRAN210 BSTRAN224 Blood Transfusion manual testing SOP Direct anti globulin test including manual techniques BSTRAN224 Blood Transfusion manual testing SOP.	



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HUMAN BODY FLUIDS	<u>Haematology examination activities for the purpose of clinical diagnosis</u>	Documented In-house methods using:	
Venous Blood: Citrated	Blood Coagulation <ul style="list-style-type: none"> Prothrombin time <ul style="list-style-type: none"> INR Factors assays (VII,VIII & IX) Activated Partial Thromboplastin Time Thrombin Time Fibrinogen estimation <ul style="list-style-type: none"> Clauss D-Dimers Anti Xa 	Sysmex CS 5100 Turbidimetric method Clot detection by optical rate of change of absorbance end point being the maximum rate of change SOPs BSCORE 3 BSSPEC26 Latex Chromogenic	A
	ESR	Visual detection of sedimentation interface by automated photometric detection (Starrsed ST) SOP: BSCORE8	A
Venous whole blood: EDTA	FBC <ul style="list-style-type: none"> Haemoglobin estimation Red cell and platelet counts Haematocrit Differential white cell count Reticulocyte MCV MCH MCHC 	Sysmex XN 10 series Haematology Analysers SOP: BSCORE1 Colorimetric Laser light scatter Calculated parameter from Haemoglobin and RBC Laser and light scatter and light absorbance Laser light scatter and absorbance Calculated parameters Calculated parameters Calculated parameters	A



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HUMAN BODY FLUIDS	<u>Haematology examination activities for the purpose of clinical diagnosis</u>	Documented In-house methods using:	
Venous whole blood :EDTA	Identification of normal and abnormal morphologies including WBC differential count	Staining by SP10 – May Grunwald Giemsa stain – examined by microscopy SOP: BSCORE64	A
	Malaria Parasite detection <ul style="list-style-type: none">• <i>P.falciparum</i>• <i>P.vivax</i>• <i>P.ovale</i>• <i>P.malariae</i>• <i>P.knowlesi</i>	Antigen testing with Humasis kit by Immunochromatographic interface and Thick film – Clintek Field Stain Thin Film – Giemsa pH7.2 stain Examined by microscopy	
	Plasmodium falciparum parasitaemia	SOP Malarial Parasites Thin Film – Giemsa pH7.2 stain. Enumeration by microscopy SOP: BSCORE16	



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HUMAN BODY FLUIDS	<u>Haematology examination activities for the purpose of clinical diagnosis</u>	Documented In-house methods using:	
Bone Marrow	Reporting of normal and abnormal morphologies	SP10 – May Grunwald Giemsa stain – examined by microscopy SOP: BSCORE64 Perl's Iron Stain staining – Examined by microscopy. SOP: BSSPEC28	A
Venous whole blood :EDTA	Haemoglobin S	Detection of decreased solubility of Haemoglobin S with Streck Sickledex SOP: BSSPEC20	A
Venous whole blood :EDTA	Infectious Mononucleosis screen (EBV) antibody	Clearview 11 Card Qualitative Immunoassay agglutination interpreted by visual inspection. SOP: BSSPEC27	A
Venous whole blood :EDTA	G6PD screen	Trinity Biotech- visual fluorescence SOP: BSSPEC25	A
Venous whole blood: EDTA	Haemoglobinopathy Screening o HbA2 o HbF o HbA	TOSOH G11 by HPLC SOP: BSSPEC24 And BSCORE 21	A
Whole blood	HbA1C	TOSOH G11 by HPLC SOP- BSCORE62.	
Venous whole blood: EDTA	Plasma Viscosity	Benson Viscometer SOP: BSCORE13	A

END