


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

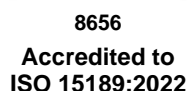
 8656 Accredited to ISO 15189:2022	Dorset County Hospital NHS Foundation Trust	
	Issue No: 013 Issue date: 03 June 2025	
	Department of Blood Sciences and Transfusion Dorset County Hospital Williams Avenue Dorchester DT1 2JY	Contact: Max Deighton Tel: +44 (0)1305 254326 E-Mail: max.deighton@dchft.nhs.uk
Testing performed at the above address only		

Site activities performed away from the laboratory

Location details	Activity
Blood issue room	Blood product storage and issue only
South Wing Blood fridge	Blood product storage and issue only
Maternity	Blood product storage and issue only

Site activities performed away from the location above

Location details	Activity
Winterbourne Hospital Herringston Road Dorchester Road Dorchester Dorset DT2 2DR	Blood product storage and issue only



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DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY FLUIDS	<u>Biochemistry examination activities for the purposes of clinical diagnosis:</u>	Documented in-house methods and manufacturer's operating instructions:
Serum/Urine	Osmolality	Osmometer-freezing point depression (Vapour pressure) using SOP 0133
CSF	Xanthochromia (bilirubin)	<u>Northstar Uvikon XS Spectrophotometer BS-SPEC-SOP-061</u>
Whole Blood	Haemoglobin A1c (HbA1c)	TOSOH G8 high pressure liquid chromatography SOP 0302, 3094
Whole Blood	Sickle Screen using sickle cell solubility	Bioproducts S Test kit turbidity SOP 0297 Manufacturer's instructions for the Roche Cobas c8000 analysers and in house documented method SOP D-BIO-P-0000001
Serum/Plasma/Urine Serum/Plasma/Urine Serum/Plasma/Urine	Sodium Potassium Chloride	Roche Cobas ISE Module Indirect ISE Indirect ISE Indirect ISE
Serum/Plasma Serum/Plasma Serum/Plasma Serum/Plasma/Urine Plasma Serum/Plasma Serum/Plasma Serum/Plasma Serum/Plasma Serum/Plasma/Urine Serum/Plasma Serum/Plasma Serum/Plasma Serum/Plasma/Urine Serum/Plasma Serum/Plasma Serum/Plasma/Urine Serum/Plasma Serum, /Plasma	Albumin (BCP) Alkaline Phosphatase ALT Amylase Ammonia AST Total Bilirubin Complement C3 Complement C4 Conjugated Bilirubin Calcium Cholesterol Creatine Kinase Bicarbonate Creatinine (Enz) CRP Ethanol	Roche Cobas c702 module Spectrophotometric Spectrophotometric Spectrophotometric Spectrophotometric Spectrophotometric Spectrophotometric Spectrophotometric Spectrophotometric Spectrophotometric Spectrophotometric Spectrophotometric Spectrophotometric Spectrophotometric Immunoturbidimetric Spectrophotometric



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Serum/Plasma Serum/Plasma Serum/Plasma/CSF	Gentamycin GGT Glucose	Spectrophotometric Spectrophotometric Spectrophotometric
HUMAN BODY FLUIDS cont'd	<u>Biochemistry examination activities for the purposes of clinical diagnosis cont'd:</u>	Manufacturer's instructions for the Roche Cobas c8000 analysers and in house documented method SOP D-BIO-P-0000001 Roche Cobas c702 module cont'd
Serum/Plasma Serum/Plasma Serum/Plasma Serum/Plasma Serum/Plasma/CSF Serum/Plasma Serum/Plasma Serum/Plasma/Urine Serum/Plasma Serum/Plasma/Urine Serum/Plasma Serum/Plasma Serum/Plasma Serum/Plasma Serum/Plasma Serum/Plasma/Urine Serum/Plasma Serum/Plasma/Urine Serum/Plasma Urine Urine/CSF	HDL Cholesterol IgA IgG IgM Iron Lactate LDH Lithium Magnesium Paracetamol Phosphate Rheumatoid Factor Salicylate Bile Acids Theophylline Triglycerides Total Protein Urate UIBC Urea Vancomycin Albumin Protein	Spectrophotometric Immunoturbidimetric Immunoturbidimetric Immunoturbidimetric Spectrophotometric Spectrophotometric Spectrophotometric Spectrophotometric Spectrophotometric Spectrophotometric Immunoturbidimetric Spectrophotometric Spectrophotometric Spectrophotometric Spectrophotometric (Biuret) Spectrophotometric Spectrophotometric Spectrophotometric Spectrophotometric Immunoturbidimetric Turbidimetric
Serum/Plasma Serum/Plasma Serum/Plasma Serum/Plasma Serum/Plasma Serum/Plasma Serum/Plasma Serum/Plasma Serum/Plasma Serum/Plasma Serum/Plasma	AFP Vitamin B12 bHCG CA125 CA153 CA199 CEA Cortisol Oestradiol Ferritin Folate	Roche Cobas e801 ECL Immunoassay ECL Immunoassay ECL Immunoassay ECL Immunoassay ECL Immunoassay ECL Immunoassay ECL Immunoassay ECL Immunoassay ECL Immunoassay ECL Immunoassay ECL Immunoassay



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HUMAN BODY FLUIDS cont'd	<u>Biochemistry examination activities for the purposes of clinical diagnosis cont'd:</u>	Manufacturer's instructions for the Roche Cobas c8000 analysers and in house documented method SOP D-BIO-P-0000001
		Roche Cobas e801 cont'd
Serum/Plasma	FT4	ECL Immunoassay
Serum/Plasma	Digoxin	ECL Immunoassay
Serum/Plasma	FSH	ECL Immunoassay
Serum/Plasma	LH	ECL Immunoassay
Serum/Plasma	Progesterone	ECL Immunoassay
Serum/Plasma	Prolactin	ECL immunoassay
Serum/Plasma	PSA	ECL Immunoassay
Serum/Plasma	SHBG	ECL Immunoassay
Serum/Plasma	NT-proBNP	ECL Immunoassay
Serum/Plasma	PTH	ECL Immunoassay
Serum/Plasma	Procalcitonin	ECL Immunoassay
Serum/Plasma	Testosterone	ECL Immunoassay
Serum/Plasma	Troponin T	ECL Immunoassay
Serum/Plasma	TSH	ECL Immunoassay
Serum/Plasma	Vitamin D	ECL Immunoassay
Urine	24h Urine Volume	Weight Measurement
Urine	24h Urine Sodium	Calculated Test
Urine	24h Urine Potassium	Calculated Test
Urine	24h Urine Calcium	Calculated Test
Urine	24h Urine Creatinine	Calculated Test
Urine	24h Urine Phosphate	Calculated Test
Urine	24h Urine Protein	Calculated Test
Urine	24h Urine Urate	Calculated Test
Urine	24h Urine Urea	Calculated Test
Urine	24h Creatinine Clearance	Calculated Test
Urine	Urine Albumin/Creatinine Ratio	Calculated Test
Urine	Urine Protein/Creatinine Ratio	Calculated Test
Blood	Serum Adjusted Calcium	Calculated Test
Blood	Serum Cholesterol/HDL Ratio	Calculated Test
Blood	Serum LDL Cholesterol	Calculated Test
Blood	Serum Non-HDL Cholesterol	Calculated Test
Blood	Serum Iron Saturation	Calculated Test
Blood	AKI	Calculated Test
Blood	eGFR	Calculated Test



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HUMAN BODY FLUIDS	<u>Haematological examinations for the purpose of clinical diagnosis</u>	Procedures documented in manufacturer's equipment manuals in conjunction with documented in-house procedures by the following methods:
Whole blood	Full Blood Count Haemoglobin, White Blood Cells Haematocrit Red Cell Count Mean Cell volume Mean cell haemoglobin Platelets Nucleated red cell count Neutrophils Lymphocytes Monocytes Eosinophils Reticulocyte Count	Beckman DxH 900 employing analytical principles of impedance counting, spectrophotometry and laser flow cytometry: SOP D-HAE-P-SOP00014
Bone Marrow	Cell morphology (detection of abnormalities)	May-Grunwald & Giemsa stain. Manual film reading SOP 0295
Whole Blood	Erythrocyte sediment rate (ESR)	Manual in-house method: Westergreen tube gravitational pull/time SOP 0443
Citrated whole blood	Erythrocyte sediment rate (ESR)	Automated method using Vitech Starrsed Compact –Westergren method. SOP 8704
Whole Blood (EDTA)	Malarial Screening <i>Plasmodium falciparum</i> and pan-detection for: <i>Plasmodium malariae</i> , <i>Plasmodium ovale</i> & <i>Plasmodium vivax</i>	Ph 7.2 Giemsa stain. Hematek stain. BinaxNOW malaria immunochromatographic assay (Monoclonal) SOP 0316, 0319, 0290
Whole Blood	Differential cell count and cell morphology (detection of abnormalities)	In-house method blood film staining and microscopy: Aerospray Haematology Pro Stainer Genna/Giemsa stain. Manual film reading



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HUMAN BODY FLUIDS (cont'd)	<u>Haematological examinations for the purpose of clinical diagnosis (cont'd)</u>	Procedures documented in manufacturer's equipment manuals in conjunction with documented in-house procedures by the following methods:
Whole Blood (EDTA)	Reticulocyte Count (Manual)	Manual in-house method: New Methylene Blue stain. Manual film reading using SOP 8842
Bone Marrow	Haemosiderin	Manual in-house staining/microscopy: Potassium Ferrocyanide and HCL. Manual film reading SOP 0288
Citrated plasma	PT APTT Thrombin time Clauss Fibrinogen Factor VIII Factor IX Lupus Anticoagulant	Stago STAR Max 3 analyser with specific reference to the following SOP's: BS-COAG SOP0251 and BS-COAG SOP0252 (PT) BS-COAG SOP0253 (APTT) BS-COAG SOP0256 (TT) BS-COAG SOP0255 (FIB) BS-COAG SOP0258 (F8) BS-COAG SOP0259 (F9)
	D-DIMER	Stago STAR Max 3 analyser Photometric with specific reference to BS-COAG SOP 0251 & 0254
	Anti-Xa	Stago STAR Max 3 analyser Chromogenic with specific reference to BS-COAG SOP 0251 & 0257
Whole Blood (EDTA)	Glucose-6-Phosphate Dehydrogenase Deficiency (G-6-PDH)	Screening using Trinity BioTech fluorescent spot testing BS-HAEM SOP 8844



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HUMAN BODY FLUIDS (cont'd)	<u>Blood Transfusion examinations to assist in clinical investigations</u>	Procedures documented in manufacturer's equipment manuals in conjunction with documented in-house procedures by the following methods:
Venous Blood	<p>Blood Grouping & Antigen typing</p> <ul style="list-style-type: none"> • A B O • Rhesus: C, c, D, E, e, • Kell system: K <p>Blood Grouping</p> <ul style="list-style-type: none"> • A B O • Rhesus: D 	<p>Biorad IH-500 automation platform utilising the Biorad (Diamed) Column agglutination technology HTL-SOP0207 IH500 Sample processing and maintenance</p> <p>Manual procedures by Tube agglutination and Biorad (Diamed) Column agglutination</p> <p>Key SOP's HTL-SOP 0088 Manual Tube grouping HTL-SOP 0057 Neonatal grouping</p>
Venous Blood; plasma	<p>Antibody Detection Rh: D, C, E, c, e, Cw Kell: K, k, Kpb Fya, Fyb Jka, Jkb Lea, Leb P1 M, N, S, s Lua, Lub Xga</p>	<p>Biorad IH-500 automation platform utilising the Biorad (Diamed) Column agglutination</p> <p>Key SOP's HTL-SOP0207 IH500 Sample processing and maintenance</p>



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HUMAN BODY FLUIDS (cont'd)	<u>Blood Transfusion examinations to assist in clinical investigations (cont'd)</u>	Procedures documented in manufacturer's equipment manuals in conjunction with documented in-house procedures by the following methods:
Venous blood; red cells	Antigen Testing A1, C, E, c, e, K, Fya, Fyb, Jka, Jkb, M, N, S, s	Manual procedures by Tube agglutination and Biorad (Diamed) Column agglutination Key SOP's HTLSOP 0045 Genotyping & antigen testing
Venous blood; plasma	Compatibility testing of patients plasma with donor cells	Manual procedures by Biorad (Diamed) Column agglutination technology Key SOPs: HTL-SOP 0040 Red cell crossmatch
Venous blood;	Quantification of fetal-maternal haemorrhage	In-house method using Kleihauer testing by ClinTech stain kit, manual reading SOP 4486
Venous Blood	Direct antiglobulin testing	Automated IH500 and manual procedures using by Biorad (Diamed) Column agglutination technology Key SOP's HTL-SOP0207 IH500 Sample processing and maintenance HTL-SOP 0042 Direct Antiglobulin Test (DAT)
END		