


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: 015 Issue date: 13 March 2026	
	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 using SOP D-BIO-P-7
CSF	Xanthochromia (bilirubin)	Northstar Uvikon XS Spectrophotometer BS-SPEC-SOP-061
Whole Blood	Haemoglobin A1c (HbA1c)	TOSOH G11 high pressure liquid chromatography SOP 0302, 3094
		Manufacturer's instructions for the Roche Cobas c8000 analysers and in house documented method SOP D-BIO-P-1
Serum/Plasma/Urine	Sodium	Roche Cobas ISE Module
Serum/Plasma/Urine	Potassium	Indirect ISE
Serum/Plasma/Urine	Chloride	Indirect ISE



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HUMAN BODY FLUIDS cont'd	<u>Biochemistry examination activities for the purposes of clinical diagnosis</u> cont'd:	Manufacturer's instructions for the Roche Cobas c8000 analysers and in house documented method SOP D-BIO-P-0000001
Serum/Plasma	Albumin (BCP)	Roche Cobas c702 module Spectrophotometric
Serum/Plasma	Alkaline Phosphatase	Spectrophotometric
Serum/Plasma	ALT	Spectrophotometric
Serum/Plasma/Urine	Amylase	Spectrophotometric
Plasma	Ammonia	Spectrophotometric
Serum/Plasma	AST	Spectrophotometric
Serum/Plasma	Total Bilirubin	Spectrophotometric
Serum/Plasma	Complement C3	Spectrophotometric
Serum/Plasma	Complement C4	Spectrophotometric
Serum/Plasma	Conjugated Bilirubin	Spectrophotometric
Serum/Plasma/Urine	Calcium	Spectrophotometric
Serum/Plasma	Cholesterol	Spectrophotometric
Serum/Plasma	Creatine Kinase	Spectrophotometric
Serum/Plasma	Bicarbonate	Spectrophotometric
Serum/Plasma/Urine	Creatinine (Enz)	Spectrophotometric
Serum/Plasma	CRP	Immunoturbidimetric
Serum, /Plasma	Ethanol	Spectrophotometric
Serum/Plasma	Gentamycin	Spectrophotometric
Serum/Plasma	GGT	Spectrophotometric
Serum/Plasma/CSF	Glucose	Spectrophotometric
Serum/Plasma	HDL Cholesterol	Spectrophotometric
Serum/Plasma	IgA	Immunoturbidimetric
Serum/Plasma	IgG	Immunoturbidimetric
Serum/Plasma	IgM	Immunoturbidimetric
Serum/Plasma	Iron	Spectrophotometric
Serum/Plasma/CSF	Lactate	Spectrophotometric
Serum/Plasma	LDH	Spectrophotometric
Serum/Plasma	Lithium	Spectrophotometric
Serum/Plasma/Urine	Magnesium	Spectrophotometric
Serum/Plasma	Paracetamol	Spectrophotometric
Serum/Plasma/Urine	Phosphate	Spectrophotometric
Serum/Plasma	Rheumatoid Factor	Immunoturbidimetric
Serum/Plasma	Salicylate	Spectrophotometric
Serum/Plasma	Bile Acids	Spectrophotometric
Serum/Plasma	Theophylline	Spectrophotometric
Serum/Plasma	Triglycerides	Spectrophotometric
Serum/Plasma	Total Protein	Spectrophotometric (Biuret)
Serum/Plasma/Urine	Urate	Spectrophotometric
Serum/Plasma	UIBC	Spectrophotometric
Serum/Plasma/Urine	Urea	Spectrophotometric
Serum/Plasma	Vancomycin	Spectrophotometric
Urine	Albumin	Immunoturbidimetric
Urine/CSF	Protein	Turbidimetric



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HUMAN BODY FLUIDS cont'd	<u>Biochemistry examination activities for the purposes of clinical diagnosis</u> cont'd:	Manufacturer's instructions for the Roche Cobas c8000 analysers and in house documented method SOP D-BIO-P-0000001
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-14
Bone Marrow	Cell morphology (detection of abnormalities)	May-Grunwald & Giemsa stain. Manual film reading D-HAE-P-27
Whole Blood	Erythrocyte sediment rate (ESR)	Manual in-house method: Westergreen tube gravitational pull/time SOP D-HAE-P-8
Citrated whole blood	Erythrocyte sediment rate (ESR)	Automated method using Vitech Starrsed Compact –Westergren method. SOP D-HAE-P-13
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 D-HAE-P-5, D-HAE-P-3, D-HAE-P-35
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. D-HAE-P-17 Manual film reading SOP D-HAE-P-4



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<p>HUMAN BODY FLUIDS (cont'd)</p> <p>Whole Blood (EDTA)</p> <p>Bone Marrow</p> <p>Citrated Plasma</p> <p>Whole Blood (EDTA)</p> <p>Whole Blood (EDTA)</p> <p>Whole Blood (EDTA)</p>	<p><u>Haematological examinations for the purpose of clinical diagnosis (cont'd)</u></p> <p>Reticulocyte Count (Manual)</p> <p>Haemosiderin</p> <p>PT APTT Thrombin time Clauss Fibrinogen Factor VIII Factor IX Lupus Anticoagulant</p> <p>D-DIMER</p> <p>Anti-Xa</p> <p>Glucose-6-Phosphate Dehydrogenase Deficiency (G-6-PDH)</p>	<p>Procedures documented in manufacturer's equipment manuals in conjunction with documented in-house procedures by the following methods:</p> <p>Manual in-house method: New Methylene Blue stain. Manual film reading using SOP D-HAE-P-16</p> <p>Manual in-house staining/microscopy: Potassium Ferrocyanide and HCL. Manual film reading SOP D-HAE-P-28</p> <p>Stago STAR Max 3 analyser SOP D-HAE-P-18 (routine use)</p> <p>Factor Assay (F8 and F9) SOP D-HAE-P-23 Lupus SOP D-HAE-P-25</p> <p>Stago STAR Max 3 analyser Photometric SOP D-HAE-P-18 (routine use)</p> <p>Stago STAR Max 3 analyser Chromogenic SOP D-HAE-P-24</p> <p>Screening using Trinity BioTech fluorescent spot testing SOP D-HAE-P-22</p>



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<p>HUMAN BODY FLUIDS (cont'd)</p> <p>Venous Blood</p> <p>Venous Blood; plasma</p>	<p><u>Blood Transfusion examinations to assist in clinical investigations</u></p> <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>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>Procedures documented in manufacturer's equipment manuals in conjunction with documented in-house procedures by the following methods:</p> <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> <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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<p>HUMAN BODY FLUIDS (cont'd)</p> <p>Venous blood; red cells</p> <p>Venous blood; plasma</p> <p>Venous Blood</p>	<p><u>Blood Transfusion examinations to assist in clinical investigations (cont'd)</u></p> <p>Antigen Testing A1, C, E, c, e, K, Fya, Fyb, Jka, Jkb, M, N, S, s</p> <p>Compatibility testing of patients plasma with donor cells</p> <p>Direct antiglobulin testing</p>	<p>Procedures documented in manufacturer's equipment manuals in conjunction with documented in-house procedures by the following methods:</p> <p>Manual procedures by Tube agglutination and Biorad (Diamed) Column agglutination</p> <p>Key SOP's HTLSOP 0045 Genotyping & antigen testing</p> <p>Manual procedures by Biorad (Diamed) Column agglutination technology</p> <p>Key SOPs: HTL-SOP 0040 Red cell crossmatch</p> <p>Automated using Biorad IH-500 automation platform utilising the Biorad (Diamed) Column agglutination technology D-TRA-P-9</p> <p>Automated IH500 and manual procedures using by Biorad (Diamed) Column agglutination technology</p> <p>Key SOP's HTL-SOP0207 IH500 Sample processing and maintenance HTL-SOP 0042 Direct Antiglobulin Test (DAT)</p>

END