


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <b>8656</b>  <b>Accredited to ISO 15189:2022</b>	<b>Dorset County Hospital NHS Foundation Trust</b>	
	<b>Issue No: 012 Issue date: 01 May 2025</b>	
	<b>Department of Blood Sciences and Transfusion</b> <b>Dorset County Hospital</b> <b>Williams Avenue</b> <b>Dorchester</b> <b>DT1 2JY</b>	<b>Contact: Max Deighton</b> <b>Tel: +44 (0)1305 254326</b> <b>E-Mail: max.deighton@dchft.nhs.uk</b>
<b>Testing performed at the above address only</b>		

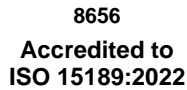
Site activities performed away from the laboratory

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

### DETAIL OF ACCREDITATION



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
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	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
Serum/Plasma	AFP	Roche Cobas e801
Serum/Plasma	Vitamin B12	ECL Immunoassay
Serum/Plasma	bHCG	ECL Immunoassay
Serum/Plasma	CA125	ECL Immunoassay
Serum/Plasma	CA153	ECL Immunoassay
Serum/Plasma	CA199	ECL Immunoassay
Serum/Plasma	CEA	ECL Immunoassay
Serum/Plasma	Cortisol	ECL Immunoassay
Serum/Plasma	Oestradiol	ECL Immunoassay
Serum/Plasma	Ferritin	ECL Immunoassay
Serum/Plasma	Folate	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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<b>HUMAN BODY FLUIDS</b>	<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 &amp; Antigen typing</p> <ul style="list-style-type: none"> <li>• A B O</li> <li>• Rhesus: C, c, D, E, e,</li> <li>• Kell system: K</li> </ul> <p>Blood Grouping</p> <ul style="list-style-type: none"> <li>• A B O</li> <li>• Rhesus: D</li> </ul>	<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 Sure Tech 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		