


Draft Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 8656 Accredited to ISO 15189:2012	Dorset County Hospital NHS Foundation Trust	
	Issue No: 003 Issue date: 24 November 2021	
	Department of Blood Sciences and Transfusion Dorset County Hospital Williams Avenue Dorchester DT1 2JY	Contact: Sharon Wood Tel: +44 (0)1305 254326 E-Mail: sharon.wood@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
Theatres	Blood product storage and issue only
Maternity	Blood product storage and issue only



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Site activities performed away from the location above

Location details	Activity
Blandford Community Hospital Milldown Road Blandford DT11 7DD	Blood product storage and issue only
Bridport Community Hospital Hospital Lane N Allington Bridport DT6 5DR	Blood product storage and issue only
Yeatman Community Hospital Hospital Road Sherborne DT9 3JU	Blood product storage and issue only
Westhaven Community Hospital Radipole Lane Weymouth DT4 0QE	Blood product storage and issue only
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 for as specified to support clinical diagnosis:
Serum, Urine	AKI Alert	Abbott Architect Spectrophotometry
Serum	Albumin	With specific reference to the following SOP's:
Urine	Albumin/creatinine ratio	Calculated
Serum	Alcohol	0149
Serum	Alkaline Phosphatase	0149 Calculated
	Alanine Aminotransferase (ALT)	0660
	Ammonia	0150
Serum, Urine	Amylase	0151
	Anion gap	0162
Serum	Direct Bilirubin (Conjugated)	0152
	Bile Acid	Calculated
	Total Bilirubin	0143
	Compliment C3	6531
	Compliment C4	0158
	Carbamazepine	5906
Serum, Urine	Calcium	5907
Urine excretion	Calcium	0129
Serum, Urine	Corrected Calcium	0135
Serum	Cholesterol/HDL Ratio	0135 Calculated
	Cholesterol	0135 Calculated
	Creatinine Phospho Kinase (CPK)	0136 Calculated
	Total Bicarbonate	0136
	Creatinine	0137
	C-Reactive Protein	0124
	Digoxin	0138
	Estimated GFR	0140
	Iron	0101 chemiluminescence
	Iron saturation	Calculated
	Gentamicin Levels	0146
	Gamma GT	0146 Calculated
Serum, Urine	Glucose Random/Fasting	0107
CSF	Glucose	0144
	HDL	0154
	Immunoglobulin IgA	0400
	Immunoglobulin IgG	0145
	Immunoglobulin IgM	5904
Serum	Lactate	5901
		5905
		0132



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities for the purposes of clinical diagnosis (cont'd)</u>	Documented in-house methods and manufacturer's operating instructions for as specified to support clinical diagnosis:
Serum	Lactate dehydrogenase LDH Low density lipoprotein Non-HDL Cholesterol	Abbott Architect Spectrophotometry With specific reference to the following SOP's: 0147 Calculated
Urine	Lithium	0289
Serum	Micro Albumin	7068
Serum, urine	Magnesium	0148
Serum	Paracetamol	1415
Serum, urine	Phenytoin	7091
Urine	Phosphate	0167
Serum	Phosphate excretion	0167 Calculated
	Rheumatoid Factor	1753
	Salicylate	0170
	Theophylline	0157
Serum, Urine, CFS	Total Protein	0142,0155, 0156
Serum	Triglyceride	0159
	Unbound iron binding capacity UIBC	1415
Urine	Urinary protein UPR	0156
	Urinary protein/Creatinine ratio	0156 Calculated
Serum, Urine	Urate	0165
	Urea	0161
Urine	Urea excretion	0161 Calculated
	Uric acid excretion	Calculated
Serum	Valproate	0131
	Vancomycin	2296
Urine	24hr Potassium Excretion	7339
	24hr Urinary Calcium	0135
	24hr Urinary Creatinine	0138
	24hr Urinary Phosphate	0167
	24hr Urinary Protein	0156
	24hr Urinary Sodium	7339
	24hr Urinary Urate	0161
	24hr Urinary Urea	0131
	Creatinine clearance & protein	0138 Calculated
	Creatinine clearance	Calculated
	Creatininine Excretion	Calculated
Serum	Alpha Feto Protein	0095
	Vitamin B12 II	0096
	Beta Human Chorionic Gonadotropin	0108
	Cancer antigen (Ca 125 II)	0097



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities for the purposes of clinical diagnosis (cont'd)</u>	Documented in-house methods and manufacturer's operating instructions for as specified to support clinical diagnosis:
Serum	Carcinoembryonic antigen (CEA) Cortisol Oestradiol Ferritin Folate II Free Thyroxine Follicle stimulating hormone (FSH) Luteinising hormone (LH)	Abbott Architect Spectrophotometry With specific reference to the following SOP's: 0098 0100 0123 0102 0103 0106 0104 0109
Serum	Progesterone Prolactin Prostate Specific Antigen Sex hormone binding globulin)SHBG Testosterone HS Troponin Thyroid stimulating hormone TSH Tacrolimus Vitamin D 3 Vit D (25 OH VitD)	0111 0119 0120 0381 0121 1423 7123 0382 0110
Serum, Urine	Chloride	Abbott Architect Chemiluminescent microparticle immunoassay. With specific reference to the following SOP's: Abbott Architect ISE With specific reference to the following SOP's: 7339
Urine	Potassium Potassium excretion Sodium Sodium excretion	7339 7339 Calculated 7339 7339 Calculated



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities for the purposes of clinical diagnosis (cont'd)</u>	Documented in-house methods and manufacturer's operating instructions for as specified to support clinical diagnosis:
Serum	N terminal prohormone brain natriuretic peptide (NT pro BNP) Parathyroid hormone (PTH) Cancer antigen CA153	Roche Cobas E411 electrochemiluminescence Using SOP 0801 and 0804 With specific reference to the following SOP's: 0806 0804 0805
Serum, Urine	Osmolality	Osmometer-freezing point depression (Vapour pressure) using SOP 0133
Whole Blood	Haemoglobin A1c (HbA1c)	TOSOH 8160 high pressure liquid chromatography SOP 0302, 3094
Whole blood	Antenatal Haemoglobinopathy screening to confirm or exclude presence of haemoglobin variant and / or thalassaemia	Documented -in-house methods to meet the requirements of the SCT screening programme as defined in the July 2018 NHS Sickle Cell and Thalassaemia Screening Programme: laboratory quality assurance evidence requirements TOSOH G8 HPLC SOP BSOP0303
Whole Blood	Sickle Screen using sickle cell solubility	Bioproducts S Test kit turbidity SOP 0297
Serum	Detection of paraproteins: Alpha Kappa Mu Lambda Gamma	SEBIA Electrophoresis SOP 0306



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	<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:
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: Westergren tube gravitational pull/time SOP 0443
Citrated whole blood	Erythrocyte sediment rate (ESR)	Automated method using Vitech Starrsed Compact –Westergren method. SOP 8704
	Full Blood Count	Abbott Cell-Dyn Sapphire analyser New methylene Blue stain and flow cytometry SOP 2244
	Reticulocyte count Haemoglobin White blood cells Haematocrit Red blood cells Mean cell volume Platelets Nucleated red blood cells Neutrophils Lymphocytes Monocytes Eosinophils	
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



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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	Differential cell count and cell morphology (detection of abnormalities)	In-house method blood film staining and microscopy: Bayer:Hematek-Genna/Giemsa stain. Manual film reading
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 Werfen ACL TOPS 350 clotting turbidometric with specific reference to the following SOP's:
Citrated plasma	PT APTT TT Fibrinogen Claus Factor 8 Factor 9	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)
	DDIMER	Werfen ACL TOP 350 Immuno-turbimetric with specific reference to BS-COAG SOP 0251 & 0254
	Anti-Xa	Werfen ACL TOP 350 Chromogenic with specific reference to BS-COAG SOP 0251 & 0257



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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>Antibody Identification D, C, E, c, e, Cw, K, Fya, Fyb, Jka, Jkb, Lea, Leb, P1, M, N, S, s, Lua,</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> <p>Manual procedures by Tube agglutination and Biorad (Diamed) Column agglutination technology</p> <p>Key SOPs: HTL-SOP 0003 Allo-antibody Investigations (HBB)</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		