

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	The Shrewsbury & Telford Hospital NHS Trust	
	Issue No: 010 Issue date: 15 July 2026	
	Department of Pathology Royal Shrewsbury Hospital Mytton Oak Road Shrewsbury SY3 8XQ United Kingdom	Contact: Victoria Banton Tel: +44 (0) 1743 261000 Ext 3720 E-Mail: victoria.banton@nhs.net Website: www.sath.nhs.uk
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 The Shrewsbury & Telford Hospitals NHS Trust-RSH Department of Pathology Royal Shrewsbury Hospital Mytton Oak Road Shrewsbury SY3 8XQ United Kingdom	Local contact Victoria Banton Pathology Quality and H&S Manager	General Biochemistry Immunoassay Metabolic Biochemistry Haematology Coagulation Blood Transfusion
Address Department of Pathology The Princess Royal Hospital-PRH Apley Castle Telford Shropshire TF1 6TF United Kingdom	Local contact Victoria Banton Pathology Quality and H&S Manager	General Biochemistry Immunoassay Metabolic Biochemistry Haematology Coagulation Blood Transfusion
Address Department of Pathology The Robert Jones and Agnes Hunt -RJA Orthopaedic Hospital Gobowen Oswestry Shropshire SY10 7AG United Kingdom	Local contact Victoria Banton Pathology Quality and H&S Manager	General Biochemistry Haematology Coagulation Blood Transfusion



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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	<u>Biochemistry examination activities for the purpose of clinical diagnosis</u>	Documented in house methods and manufacturer's instructions where relevant	A-RSH B-PRH C- RJAH
Blood	HbA1c	Sebia Capillarys 3 TERA Capillary Electrophoresis SOP BIO-CAP3HB	A
Serum	<u>Protein Analysis</u> Confirmation of monoclonal proteins	Documented in-house procedure Measurement by Immunofixation electrophoresis using the Hydrasys 2 SOP IFSerum for analysis using the Hydrasys 2 systems	A
Urine	Detection of free light chains (Bence Jones protein)	Documented in-house procedure Measurement by Immunofixation electrophoresis using the Hydrasys 2 SOP IFUrine for analysis using the Hydrasys 2 systems	A
Blood	Detection and identification of monoclonal proteins	Documented in-house procedure Electrophoresis using the Sebia Capillarys 2 SOP Serum Protein Electrophoresis and Immunosubtraction by Capillarys II (CapSeEPS)	A
Serum	Total IgE	Roche e801 – measurement by chemiluminescence SOP BIO-ROCHE	A



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities for the purpose of clinical diagnosis</u> (cont'd)	Documented in house methods and manufacturer's instructions where relevant	A-RSH B-PRH C- RJAH
Serum	RAST including allergens: Aspergillus fumigatus Cat Dander Codfish Dog Dander Dust Mite Egg White Food allergens Latex Milk Mixed Nut Panel Mixed seafood panel Peanut Soybean Timothy Grass Wheat	Phadia ImmunoCap 250 Sandwich Immunoassay SOP BIO-ALLCAP250	A
Serum	IgA Tissue Transglutaminase (TTG)	Phadia ImmunoCap 250 Enzyme Immunoassay SOP BIOTTGIMMCAP	A
Serum	IgG Tissue Transglutaminase		A
Serum	Kappa and Lambda Free Light Chains	Binding Site Optilite Turbidimetry SOP BIO-KLROPT	A



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HUMAN BODY FLUIDS (cont'd)	<u>Examination activities for the purposes of clinical diagnosis</u>	Documented in house methods and manufacturer's instructions where relevant	A-RSH B-PRH C- RJAH
	<u>Miscellaneous Biochemistry</u>		
	Quantification of:		
CSF	CSF Xanthochromia	Documented in-house procedures SOP BIO-XANTH using the Northstar BIO-UVSpectrophotometer. Measurement by spectrophotometry.	A/B
Serum/Plasma/Urine	Osmolality	Documented in-house procedure SOP BIO-OSMO using the Advanced Osmo1. Measurement by Freezing Point Depression.	A/B
Sweat	Sweat Chloride	Documented in-house procedure SOP SweatChlor using the Sherwood Scientific Chloride Analyser 926S. Measurement by titration.	A/B
		Documented in-house procedure SOP BIO-BLOODGAS using the Siemens Rapidpoint 500 Blood gas analyser	A-RSH B-PRH
Blood	PH	Potentiometric (ISE)	A/B
	pCO ₂	Potentiometric (Severinghaus)	A/B
	pO ₂	Amperometric (Clarks)	A/B
	TCO ₂	Potentiometric (ISE)	A/B
	Na, K, Ca Cl,	Potentiometric (ISE)	A
	Glucose, lactate	Amperometric (enzyme electrode)	A
	Co-oximetry	Spectrophotometry	A/B



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities for the purpose of clinical diagnosis</u>	Documented in-house procedures SOP-BIO-ROCHE in conjunction with manufacturer's instructions for analysis using the following Roche analysers based on measurement by turbidometry, colourimetry, ion-sensitive electrode (direct and indirect), immunoassay. RSH -c702 for spectrophotometric and e801 for immunoassays PRH -c501 for spectrophotometric and e601 for immunoassays RJAH -c311 for spectrophotometric	A-RSH B-PRH C- RJAH
Serum/Plasma	Albumin	Colorimetric	A/B/C
	Alkaline Phosphatase	Colorimetric	A/B/C
	ALT	Colorimetric	A/B/C
Serum	Alpha-1 antitrypsin	Immunoturbidimetric	A
Plasma	Ammonia	Colorimetric	A/B
Serum/Plasma/Urine	Amylase	Colorimetric	A/B
	AST	2-point-rate	A/B
	Bicarbonate	2-point-rate	A/B
Serum	Bile Acids	Colorimetric -SOP BILEACID	B
Serum/Plasma	Bilirubin (Total)	Colorimetric	A/B/C
	Calcium (including calculated adjusted calcium)	Colorimetric	A/B/C
Urine	Calcium (including calculated calcium excretion and calcium/creatinine ratio)	Colorimetric	A/B
Serum/Plasma	Carbamezepine	Immunoturbidimetric	A
	Chloride	Indirect ISE	A/B



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Serum/Plasma	Cholesterol (including calculated Chol/HDL Ratio, HDL Ratio, NonHDL Cholesterol and LDL cholesterol)	Enzymatic colorimetric	A/B
	Conjugated/Unconjugated Bilirubin (BuBc)	Colorimetric	A/B
Serum	C3/C4	Immunoturbidimetric	A
Serum/Plasma	Creatinine (including calculation of eGFR and creatinine clearance and AKI stage)	Colorimetric	A/B/C
Urine	Creatinine (including calculation of creatinine excretion)	Colorimetric	A/B
Serum/Plasma	Creatinine Kinase	Rate	A/B/C
Serum	CRP	Immunoturbidimetric	A/B/C
CSF	Glucose	Enzymatic	A/B
CSF	Protein	Turbidimetric	A/B
Serum	Digoxin	Immunoassay	A/B
Serum/Plasma	Glucose	Enzymatic	A/B/C



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Serum/Plasma	Glutamyl transferase (GGT)	Enzymatic colorimetric	A/B/C
	HDL	Enzymatic colorimetric	A/B
	Iron	Colorimetric	B
Plasma	Lactate	Colorimetric	A/B/C
Serum/Plasma	Lactate dehydrogenase (LDH)	Rate	A/B
Serum	Lithium	Colorimetric	A/B
Serum/Plasma	Magnesium	Colorimetric endpoint	A/B/C
Urine	Magnesium	Colorimetric endpoint	A
Urine	Microalbumin (including calculation of albumin/creatinine ratio)	Immunoturbidimetric	A
Serum/Plasma	Paracetamol (Acetaminophen)	Colorimetric	A/B
	Phenytoin	Immunoturbidimetric	A
	Phosphate	Photometric	A/B/C
Urine	Phosphate (including calculation of phosphate excretion and phosphate/creatinine ratio)	Photometric	A/B



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Serum/Plasma	Potassium	Indirect ISE	A/B/C
Urine	Potassium (including calculation of potassium excretion)	Indirect ISE	A/B
Serum/Plasma	Rheumatoid Factor	Immunoturbidimetric	A/B
Serum/Plasma	Salicylate		A/B
	Sodium	Indirect ISE	A/B/C
Urine	Sodium (including calculation of sodium excretion)	Indirect ISE	A/B
Serum/Plasma	Theophylline	Turbidimetric	A
	Total Protein	Colorimetric	A/B/C
Urine	Total Protein (including calculated total protein excretion, calculated protein/creatinine ratio and calculated expected protein excretion)	Turbidimetric	A/B
Blood	Transferrin	Immunoturbidimetric	B
Serum/Plasma	Triglyceride	Turbidimetric	A/B
	Urate	Enzymatic colorimetric	A/B/C



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Urine	Urate (including calculated urate excretion)	Enzymatic colorimetric	A
Serum/Plasma	Urea	2-point-rate	A/B/C
Urine	Urea (including calculated nitrogen excretion and calculated urea excretion)	2-point-rate	A/B
Serum	AFP	Chemiluminescence	A
	Anti-TPO	Chemiluminescence	A
	CA-125	Chemiluminescence	A
	CEA	Chemiluminescence	A
	Cortisol	Chemiluminescence	A
	FSH	Chemiluminescence	A
	FT3	Chemiluminescence	A
	FT4	Chemiluminescence	B
	Ferritin	Chemiluminescence	A/B
	Folate	Chemiluminescence	A/B



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Serum	HCG	Chemiluminescence	B
	LH	Chemiluminescence	A
	NT-proBNP	Chemiluminescence	A
	Oestradiol	Chemiluminescence	A
	Progesterone	Chemiluminescence	A
Serum	Prolactin	Chemiluminescence	A
Serum/Plasma	PSA	Chemiluminescence	B
Plasma	SHBG	Chemiluminescence	A
Serum/Plasma	Testosterone (including calculation of Free Testosterone)	Chemiluminescence	A
	Troponin T	Chemiluminescence	A/B
	TSH	Chemiluminescence	A/B
	Vitamin D	Chemiluminescence	A
Serum	Vitamin B12	Chemiluminescence	A/B



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities for the purpose of clinical diagnosis</u> (cont'd)	Documented in-house procedures SOP-BIO8000-Batch in conjunction with manufacturer's instructions for analysis using the following Roche analysers based on measurement by turbidometry, colourimetry, ion-sensitive electrode (direct and indirect), immunoassay. A-RSH -c702 for spectrophotometric and e801 for immunoassays	A-RSH B-PRH C- RJAH
Serum/Plasma	Alcohol	Enzymatic	A
Serum/Plasma	PTH	Chemiluminescence	A
Serum	Anti CCP	Chemiluminescence	A
Serum/Plasma	Anti-Mullerian Hormone	Immunoassay	A
Serum/Plasma	CA15-3	Immunoassay	A
Serum	IgG IgA IgM	Immunoturbidimetric	A/B
	TIBC Iron saturation	Calculated parameters	B



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HUMAN BODY FLUIDS (cont'd)	<u>Haematological examinations for the purpose of clinical diagnosis</u>	Documented in-house procedures SOP-HAE-XNUSE in conjunction with manufacturer's instructions for analysis using the following analysers based on impedance, photometry and Fluorescent flow cytometry methods A-RSH -Sysmex XN10 and XN20 B-PRH - Sysmex XN10 and XN20 C- RJAH -SysmexXN10	A-RSH B-PRH C- RJAH
EDTA Blood	Full Blood count RBC, WBC, Platelets, MCV,MCH,MCHC Neutrophils, Lymphocytes, Monocytes, Eosinophils, Basophils, Haemoglobin (Hb), Differential		A/B/C
EDTA Blood	Reticulocyte	Documented in-house procedures SOP-HAE-XNUSE in conjunction with manufacturer's instructions for analysis using the following analysers based on fluorescent flow cytometry using semi-conductor laser RSH -Sysmex XN10 and XN20 PRH - Sysmex XN10 and XN20	A/B
EDTA Blood	ESR	Starrsed ESR Analyser Modified Westergren SOP HAE-AUTOESR SOP HAE-ESRST Manual Method SOP HAE-ESRMAN Modified Westergren	A/B/C



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HUMAN BODY FLUIDS (cont'd)	<u>Haematological examinations for the purpose of clinical diagnosis</u> (cont'd)	Documented in-house procedures in conjunction with manufacturer's instructions for analysis using the following analysers or methods A-RSH -Sysmex CN 6000 B-PRH- Sysmex CN 6000 C RJA - Sysmex CS-2500 C – RJA – Sysmex CS 6000	A-RSH B-PRH C- RJA
Plasma	Prothrombin time (PT) Activated Partial Prothrombin Time (APTT) – including Manual APTT Fibrinogen	Sysmex CN 6000 Turbidimetric Clot Detection SOP HAE-CNPTINR SOP HAE-CNAPTT SOP HAE-CNFIB	A/B
Plasma	Lupus	SOP HAE-CNLUPUS	A
Plasma	Prothrombin time (PT) Activated Partial Prothrombin Time (APTT)	Sysnex CN 6000 Turbideimetric Clot Detection SOP HAE-CNPTINR SOP HAE-CNAPTT	C
Plasma	Prothrombin time (PT) Activated Partial Prothrombin Time (APTT) – including Manual APTT Fibrinogen	Sysmex CS-2500 Turbidimetric Clot Detection SOP HAE-CSPTINR SOP HAE-CSAPTT SOP HAE-CSFIB	C
Plasma	Factor VIII, IX, XI,	Sysmex CN 6000 Turbidimetric Clot Detection SOP HAE-CNIPDFACTORS	A/B
Plasma	Factor Inhibitor Screen	Sysmex CN 6000 SOP CNINHSCRN Turbidimetric Clot Detection	A/B
Plasma	Therapeutic Drug Monitoring Factor Xa (Heparin) Assay	Sysmex CN 6000 Chromogenic SOP HAE-CNAXA	B
Plasma	D-Dimer	Sysmex CN 6000 Immunoturbidimetric (VLin Integral method) SOP HAE-CNDD	A/B



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EDTA Blood	Antenatal and Newborn screening Haemoglobinopathy screening Abnormal haemoglobins and thalassaemia detection	Documented-in-house methods to meet the requirements of the SCT screening programme as defined in the July 2018 version of 'Sickle cell and thalassaemia screening program: laboratory QA evidence requirements TOSOH G8 SOP TOSOH SAMPPROC Dual wavelength HPLC	B
EDTA Blood	Sickle Screen	Streck Sickledex Solubility Test SOP SOLUBTST Turbidimetric	A/B/C
EDTA Blood	Glandular Fever Screen (IM)	Clearview IM Card SOP HAE-IMSCRN Latex Enhanced Immunoassay	A/B
Serum	Intrinsic Factor Antibody	Dynex DS2 (IMMCO Diagnostics kit) SOP HAE-IFAB method Dynex DS2 (Organtec ELISA kit)	A
Serum	Anticardiolipin IgG and IgM	SOP HAE-ACARDAB	A
Bone Marrow	Smear Preparation / Examination morphological interpretation of bone marrow smears	Bone Marrow Processing and Iron Stain using RAL stainer – May Gruwald Giemsa SOP HAE-BMPROC	A
EDTA Blood	Preparation and Morphological Interpretation of Blood films	Sysmex RAL Stainer/Sysmex SP-10 slidemaker/stainer SOP HAE-RALSTAIN SOP HAE-SP10USE May-Gruwald Giemsa	A/B
EDTA Blood	Detection of Malarial Parasites in Blood Films P.falciparum, P.vivax, P.ovale, P.malariae, P. knowlesi	RAL stainer/Sysmex SP-10 slidemaker/stainer May-Grunwald Giemsa/and Giemsa pH 7.2 slide SOP HAE-MALSCRN	A/ B



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EDTA Blood	Detection of of malarial parasites P.falciparum, P.vivax, P. ovale, P. malariae	CareStart Malaria card test (RDT) Immunochromatography (lateral flow antigen detection) HAE-MALARIACARD	A/B
Blood	Blood Group and Antibody Screening Tests Automated and Manual Blood Grouping/Antibody screen C, c, D, E, e, K, k, Fy ^a , Fy ^b , Jk ^a , Jk ^b , S, s, M, N and Le ^a	Biorad IH 1000 Analyser SOP BB-IHRA BioRad IH-500 Analyser SOP BB-IH500RA Manual (Biorad) cards SOP BB-MANCG Gel column agglutination	A/B/C B A/BC
Blood	Antibody Identification C, c, D, E, e, K, k, Fy ^a , Fy ^b , Jk ^a , Jk ^b , S, s, M, N and Le ^a	Biorad Gel Cards and associated panel screening cells SOP BB-ABID/BB-INVANTIB Red cell agglutination	A/B/C
Blood	Automated & Manual Crossmatching	Biorad IH 1000/500 analyser / BioRad cards Manual method/Diamed cards SOP BB-XM Gel column agglutination	A/B/C A/B/C
Blood	Red Cell Phenotyping (Rh/Kell) C,c, E, e and K red cell	Biorad IH-1000/500 analyser Biorad cards Manual Method/Biorad cards	A/B/C A/B/C
	Extended Red cell Phenotyping Anti-k, Kpa, Kpb, Cw, Fya, N, M, S, s, P1, Lua, Lea, Leb, Jka, Jkb	Manual Method/Biorad cards Red cell agglutination SOP BB-REDPHENO	A



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Blood	Estimation of Foetal/Maternal haemorrhage (FMH)	Kleihauer-Betke Test Guest Medical FMH Kit SOP BB-KB Elution and Erythrosin Stain	A
Blood	Direct Anti-Human Globulin Test (DAT)	Biorad IH1000/500 Biorad DC Screening 1 cards SOP BB-DAT Gel column agglutination	A/B/C
Blood	Direct Anti-Human Globulin Test (DAT)	Manual method Biorad DC Screening 1 cards SOP BB-DAT Gel column agglutination	A/B/C
Blood	Direct Anti-Human Globulin Screening Test (Poly-specific)	Manual Method Biorad LISS/Coombs Biorad Cards Gel column agglutination SOP BB-DAT	A/B/C
END			