

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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



9351
Accredited to
ISO 15189:2012

University Hospitals of North Midlands NHS Trust

Issue No: 009 **Issue date:** 12 December 2024

Department of Biochemistry
Royal Stoke Hospital
Newcastle Road
Stoke on Trent
ST4 6QG

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Testing performed by the Organization at the locations specified below

Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details	Activity	Location code
Royal Stoke Hospital Newcastle Road Stoke on Trent Staffordshire ST4 6QG Local contact As above	Biochemistry activities to assist with clinical diagnosis Molecular diagnostics	A

Site activities performed away from the locations listed above:

Location details	Activity	Location code
County Hospital Weston Road Stafford ST16 3SA Local contact Brian Cameron	Biochemistry activities to assist with clinical diagnosis	B



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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 Serum and Plasma unless otherwise stated	<u>Biochemistry activities to assist with clinical diagnosis</u>	Manufacturer's instructions for Atellica CH analyser Advia 1800/ Photometry/IMT/ISE analyser in conjunction with in house documented methods	
	Quantitation of:		
	Alanine Transaminase	BAM-43 (A) BCM-8 (B)	A, B
	Albumin	BAM-43 (A) BCM-8 (B)	A, B
Plasma	Alcohol/Ethanol	BAM-43 (A) BCM-8 (B)	A, B
	Alkaline Phosphatase	BAM-43 (A) BCM-8 (B)	A, B
Plasma	Ammonia	BAM-43	A
Serum/Plasma/Urine	Amylase	BAM-43 (A) BCM-8 (B)	A, B
Serum	Angiotensin Conv. Enzyme	BAP-62	A
	Aspartate Transaminase	BAM-43 (A) BCM-8 (B)	A, B
Serum	Bile Salts	BAP-62	A
Serum/Plasma/Urine	Calcium	BAM-43 (A) BCM-8 (B)	A, B
	Corrected Calcium	Calculated parameter BPRF-633	A, B
	Carbamazepine	BAM-43	A
Serum/Plasma/Urine	Chloride	BAM-43 (A) BCM-8 (B)	A, B
	Cholesterol	BAM-43 (A) BCM-8 (B)	A, B
	Conjugated Bilirubin	BAM-43 (A) BCM-8 (B)	A, B
Serum	Copper	BAP-62	A
	Creatine Kinase	BAM-43 (A) BCM-8 (B)	A, B
Serum/Plasma/Urine	Creatinine	BAM-43 (A) BCM-8 (B)	A, B



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	Quantitation of: (cont'd)		
	Acute Kidney Injury (AKI)	Calculated parameter	A, B
	CRP(Wide range)	BPRF-633	
	Digoxin	BAM-43 (A) BCM-8 (B)	A, B
	Estimated Glomerular Filtration Rate (eGFR)	Calculated parameter	A, B
	eGFR (paediatric)	Calculated parameter	A, B
		BAM-43 (A) BCM-8 (B)	
	Gamma Glutamyl Transferase	BAM-43 (A) BCM-8 (B)	A, B
	Glucose	BAM-43 (A) BCM-8 (B)	A, B
Serum/Plasma/CSF			
Serum/Plasma	HDL Cholesterol	BAM-43 (A) BCM-8 (B)	A, B
Serum/Plasma/Urine	Inorganic Phosphate	BAM-43 (A) BCM-8 (B)	A, B
Plasma/CSF	Lactate	BAM-43 (A) BCM-8 (B)	A, B
	Lactate Dehydrogenase	BAM-43 (A) BCM-8 (B)	A, B
	Low Density Lipoproteins (LDL)	Calculated parameter	A, B
	Non HDL	Calculated parameter	A, B
	Lithium	BAM-43 (A) BCM-8 (B)	A, B
Serum			
Serum/Plasma/Urine	Magnesium	BAM-43 (A) BCM-8 (B)	A, B
Urine	Microalbumin	BAM-43 (A) BCM-8 (B)	A, B
	Paracetamol	BAM-43 (A) BCM-8 (B)	A, B
	Phenobarbitone	BAM-43	A
	Phenytoin	BAM-43	A



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	Quantitation of: (cont'd)		
Serum/Plasma/Urine	Potassium	BAM-43 (A) BCM-8 (B)	A, B
	Salicylates	BAM-43 (A) BCM-8 (B)	A, B
	Serum Iron	BAM-43 (A) BCM-8 (B)	A, B
Serum/Plasma/Urine	Sodium	BAM-43 (A) BCM-8 (B)	A, B
	Theophylline	BAM-43 (A) BCM-8 (B)	A, B
	Total Bilirubin	BAM-43 (A) BCM-8 (B)	A, B
	Total CO2	BAM-43 (A) BCM-8 (B)	A, B
Serum/Plasma//Urine/ CSF	Total Protein	BAM-43 (A) BCM-8 (B)	A, B
	Transferrin	BAM-43 (A) BCM-8 (B)	A, B
	Triglycerides	BAM-43 (A) BCM-8 (B)	A, B
Serum/Plasma/Urine	Urea	BAM-43 (A) BCM-8 (B)	A, B
Serum/Plasma/Urine	Uric Acid	BAM-43 (A) BCM-8 (B)	A, B
	Valproic Acid	BAM-43	A
Serum	Zinc	BAP-62	A



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HUMAN BODY FLUIDS Serum and Plasma unless otherwise stated (cont'd)	<u>Biochemistry activities to assist with clinical diagnosis</u> (cont'd)	Manufacturer's instructions for Siemens Atellica IM Advia Centaur XP (Chemiluminescence) analyser in conjunction with in house documented procedures:	
	Quantitation of: (cont'd)		
Serum	Alpha Fetoprotein	BAM-43	A
Serum	CA125	BAM-43	A
Serum	CA15.3	BAM-43	A
Serum	CA19.9	BAM-43	A
Serum	CEA	BAM-43	A
Serum	Cortisol	BAM-43 (A) BCM-09 (B)	A, B
Serum	DHEAS	BAM-43	A
Serum	ELF score	BAM-43	A
Serum	Ferritin	BAM-43	A, B
Serum	F.S.H.	BAM-43 (A) BCM-09 (B)	A, B
Serum	Free T3	BAM-43 (A) BCM-09 (B)	A, B
Serum	Free T4	BAM-43 (A) BCM-09 (B)	A, B
Serum	Gentamicin	BAM-43	A
Serum	HA	BAM-43	A
Serum	Human Chorionic Gonadotrophin	BAM-43 (A) BCM-09 (B)	A, B
Serum	Luteinising Hormone	BAM-43 (A) BCM-09 (B)	A, B
Serum	Macroprolactin	BAM-43	A
	nNBP	BAM-43	A, B
Serum	Oestradiol	BAM-43	A



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	Quantitation of: (cont'd)		
Serum	Procalcitonin	BAM-43	A
Serum	Prolactin	BAM-43 (A) BCM-09 (B)	A, B
Serum	Prostate Specific Antigen	BAM-43 (A) BCM-09 (B)	A, B
Plasma	PTH	BAM-43 (A) BCM-09 (B)	A, B
Serum	P3NP	BAM-43	A
Serum	Serum Folate	BAM-43 (A) BCM-09 (B)	A, B
Serum	SHBG	BAM-43	A
Serum	T.S.H.	BAM-43 (A) BCM-09 (B)	A, B
Serum	Testosterone	BAM-43 (A) BCM-09 (B)	A, B
Serum	TIMP	BAM-43	A
Serum	Tobramycin	BAM-43	A
Serum	Troponin I	BAM-43 (A) BCM-09 (B)	A, B
Serum	Progesterone	BAM-43	A
Serum	Vancomycin	BAM-43	A
Serum	Vitamin B12	BAM-43	A
Serum	Vitamin D	BAM-43 (A) BCM-09 (B)	A, B



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HUMAN BODY FLUIDS Serum and Plasma unless otherwise stated (cont'd)	<u>Biochemistry activities to assist with clinical diagnosis</u> (cont'd)	Manufacturer's instructions for Siemens Immulite 2000 xpi (Chemiluminescence) analyser in conjunction with in house documented procedures:	
Plasma	Quantitation of: (cont'd) ACTH	BAM-47	A
Serum	Erythropoietin_N	BAM-47	A
Serum	Growth Hormone	BAM-47	A
Serum	Insulin Growth Factor-1	BAM-47	A
Serum	Thyroglobulin (In-house UHNS)	BAM-47	A
Serum	Thyroglobulin Antibodies	BAM-47	A
Serum and Plasma unless otherwise stated	Quantitation of:	Manufacturer's instructions for Siemens BNII Nephelometer in conjunction with in house documented procedures:	
	Alpha-1-Antitrypsin	BPM-21	A
	Beta 2 Microglobulin	BPM-26	A
	Caeruloplasmin	BPM-22	A
	Complement C3	BPM-18	A
	Complement C4	BPM-20	A
	Haptoglobin	BPM-19	A
	Immunoglobulin A (g/L)	BPM-15	A
	Immunoglobulin G (g/L)	BPM-17	A
	Immunoglobulin M (g/L)	BPM-16	A



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HUMAN BODY FLUIDS Serum and Plasma unless otherwise stated (cont'd)	<u>Biochemistry activities to assist with clinical diagnosis</u> (cont'd)	Manufacturer's instructions for Sebia Hydragel (Gel Electrophoresis) and immunofixation in conjunction with documented in house procedures	
Urine	Bence Jones protein (BJP)	BPM-30	A
Serum/Urine	Detection, identification and quantitation of serum/urine Paraproteins IgG, IgA and IgM classes	Immunofixation BPM-27	A
Serum	Detection, identification and quantitation of serum protein fragments	Manufacturer's instructions for Sebia Capillarys (capillary electrophoresis) in conjunction with documented in house procedures BPM-29 Immunotyping	A
Serum	Detection, identification and quantitation of serum monoclonal fragments	BPM-28 CZEMETHOD	A



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Whole Blood	Quantitation of: Glycated HbA1c IFCC	BMP050	A
Faeces	Calprotectin	IDK Calprotectin ELISA kit Dynex DS2 Immunoassay BMAN-6 Faecal Calprotectin on DS2	B
Serum and Plasma unless otherwise stated	Quantitation of:	Manufacturer's instructions for Osmo 1 Osmometer (freezing point depression) in conjunction with in house documented procedures:	
Serum/Urine	Osmolality	BMP-61	A, B
Sweat	Sweat Chloride	Sherwood 926s Chloride Meter BMM001	A
Serum/Plasma/Whole Blood	Alpha 1 Antitrypsin genotype	DNA extraction using Qiagen extraction kit with gene amplification by the polymerase chain reaction (PCR) Bibby Techne TC4000Thermal Cycler	
Whole blood	Factor V Leiden genotype	BMB001	A
Whole Blood	Haemachromatosis gene	BMB004	A
Whole Blood	HLA B27	BMB-005	A
Whole Blood	Prothrombin genotype	BMB006	A
Whole Blood		BMB007	A



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry activities to assist with clinical diagnosis</u> (cont'd)	In house quantitative screening method in conjunction with in house documented procedures	
	Quantitation of:	Documented procedures & manufacturer's instructions for Perkin Elmer Lambda 25 Spectrophotometer in conjunction with in house documented procedures:	
CSF	Xanthochromia	BMP-1	A
Serum	Serum Free Light Chains	Binding site Optilite using turbidimetry BPM-24 (Kappa) & BPM-25 (Lambda)	A
Whole blood (EDTA)	Immunosuppressants: Tacrolimus Cyclosporine	Shimadzu 8050LC-MS/MS BMSM-18	A
Urine	5-HIAA	Shimadzu 8050LC-MS/MS BMSM-18	A
Faeces	Haemoglobin	Faecal Immunochemical Testing OC Sensor Pledia Latex agglutination BMM-405	A
END			