


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 8601 Accredited to ISO 15189:2022	Northern Care Alliance NHS Foundation Trust	
	Issue No: 012 Issue date: 04 November 2024	
	Royal Oldham Hospital Pathology-Biochemistry Department Rochdale Road Oldham OL1 2JH	Contact: Michelle Hurst Tel: +44 (0) 161 656 1679 E-Mail: michelle.hurst@nca.nhs.uk Website: www.nca.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: Biochemistry Department Royal Oldham Hospital Rochdale Road Oldham OL1 2JH United Kingdom Local contact: Michelle Hurst	General Biochemistry Endocrinology Toxicology	A
Essential Services Laboratory Fairfield General Hospital Rochdale Old Road Bury BL9 7TD United Kingdom	General Biochemistry Endocrinology Toxicology	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 (as stated)	<u>Biochemical examination activities for the purposes of clinical diagnosis (cont'd)</u>	In house documented procedures based on equipment manuals and standard methods as specified below:	
	<u>General chemistry</u>	Siemens Atellica CH & IM by the following measurement principles using SOP's: BC-SOP-185 BC-SOP-179 BC-SOP-180	
Serum	Albumin	using Bromocresol Green	A, B
Urine	Albumin	Using PEG enhanced Immunoturbidimetric	A
Serum	Alkaline phosphatase	using Enzymatic IFCC Paranitrophenyl phosphate	A, B
Serum	Alanine amino transferase	using NADH with P-5-P	A, B
Plasma	Ammonia	using Glutamate dehydrogenase	A, B
Serum	Amylase	using enzymatic	A, B
Urine	Amylase	using enzymatic	A
Serum	Aspartamine amino transferase	using NADH with P-5-P	A, B
Serum	Bicarbonate	using PEP carboxylase	A, B
Serum	Bile Acids	using enzymatic cycling colourimetric	A
Serum	Bilirubin Conjugated	using colourimetry	A, B
Serum	Bilirubin Total	using end point Vanadate	A, B
Serum, Urine	Calcium	using colourimetric arsenazo III using colourimetric	A, B A



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Human body fluids (as stated)	<u>Biochemical examination activities for the purposes of clinical diagnosis</u> (cont'd)	In house documented procedures based on equipment manuals and standard methods as specified below:	
Serum, Urine	Chloride	using Potentiometry (Indirect IMT)	A, B A
Serum	Cholesterol	using end point enzymatic/colorimetric	A, B
Serum	Creatine Kinase	Using Enzymatic	A, B
Serum, Urine	Creatinine	using enzymatic methods using enzymatic methods	A, B A
Serum	C-Reactive Protein (CRP)	using immunoturbidimetry	A, B
Serum, plasma	Ethanol	using enzymatic methods	A, B
Serum	Gamma GT	using zero-order kinetic with L-y-Glutamyl-3-Carboxy-4-Nitroanilide	A, B
Serum, plasma	Glucose	using hexokinase	A, B
CSF	Glucose	Using hexokinase	A
Serum	Haptoglobin	using immunoturbidimetry	A
Serum	HDL Cholesterol	using accelerator selective detergent	A, B
Serum	IgA	using PEG enhanced immunoturbidimetry	A
Serum	IgG	Using PEG enhanced immunoturbidimetry	A
Serum	IgM	Using PEG enhanced immunoturbidimetry	A
Serum	Iron	using colourimetric	A, B
Plasma	Lactate	using enzymatic/colorimetric	A, B
Plasma	Lactate Dehydrogenase	using Lactate to pyruvate in the presence of NAD	A, B
Serum Urine	Magnesium	using Colourimetric using Colourimetric	A, B A
Serum	NT pro-BNP	Using chemiluminescent 2-site sandwich IA	A, B



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Human body fluids (as stated)	<u>Biochemical examination activities for the purposes of clinical diagnosis</u> (cont'd)	In house documented procedures based on equipment manuals and standard methods as specified below:	
EDTA plasma	Parathyroid hormone (PTH)	Using chemiluminescent 2-site sandwich IA	A, B
Serum, Urine	Phosphate	using phosphomolybdate	A, B A
Serum	Paracetamol/Acetaminophen	using enzymatic	A, B
Serum, Urine	Potassium	using Potentiometry (Indirect IMT)	A, B A
Serum	Procalcitonin	Using chemiluminescent 2-site sandwich IA	A
Serum, Urine, CSF	Total Protein	using colourimetric Biuret using colourimetric, Pyrogallol red using colourimetric	A, B A A
Serum	Rheumatoid Factor	using immunoturbidimetry	A
Serum	Salicyclate	using enzymatic	A, B
Serum, Urine	Sodium	using Potentiometry (Indirect IMT)	A, B A
Serum	Transferrin	using PEG enhanced immunoturbidimetry	A, B
Serum	Triglycerides	using end point Enzymatic	A, B
Serum	Troponin I	using chemiluminescence 3-site sandwich IA	A, B
Serum, Urine	Urate	using Uricase	A, B A
Serum	Urea	using Enzymatic	A, B
Urine	Urea	Using Enzymatic	A
Serum	Vitamin D	using Competitive IA	A, B



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Human body fluids (as stated)	<u>Biochemical examination activities for the purposes of clinical diagnosis</u> (cont'd)	In house documented procedures based on equipment manuals and standard methods as specified below:	
	<u>Therapeutic Drug Monitoring</u>	Siemens Atellica CH by the following measurement principles using SOPs: BC-SOP-185 BC-SOP-179 BC-SOP-180	
Serum	Digoxin	using turbidimetric inhibition immunoassay	A
Serum	Gentamicin	using PETINIA	A, B
Serum	Lithium	using colorimetry	A
Serum	Phenytoin	using PETINIA	A
Serum	Sodium Valproate	using PETINIA	A
Serum	Theophylline	Using PETINIA	A
Serum	Vancomycin	using PETINIA	A, B



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	<u>Tumour Markers</u>	Siemens Atellica IM by the following measurement principles using SOP's: BC-SOP-185 BC-SOP-179 BC-SOP-180	
Serum	CA-125	Using chemiluminescent 2-site sandwich IA	A
Serum	CEA	Using chemiluminescent IA	A
Serum	PSA	Using chemiluminescent 2-site sandwich IA	A, B
Serum	CA 19-9	Using chemiluminescent 2-site sandwich IA	A
Serum	Alpha feto protein (AFP)	Using chemiluminescent 2-site sandwich IA	A
	<u>Blood Gases</u>		
Whole blood	Quantitation of: Bicarbonate Actual Bicarbonate Std - calculated Base Excess - calculated Carboxyhaemoglobin Haemoglobin Methaemoglobin Oxygen Saturation - calculated Oxyhaemoglobin PCO ₂ , PH, PO ₂	In house documented procedures BC-SOP-98 based on equipment manuals and standard methods using Instrumentation Laboratories GEM 4000	A, B



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	<u>Endocrinology</u>	Siemens Atellica IM by the following measurement principles using SOP's: BC-SOP-185 BC-SOP-179 BC-SOP-180	
Serum	FSH	Chemiluminescent 2-site sandwich IA	A
Serum	FT3	Chemiluminescent competitive IA	A, B
Serum	FT4	Chemiluminescent competitive IA	A, B
Serum	HCG Pregnancy	Chemiluminescent 2-site sandwich IA	A, B
Serum	LH	Chemiluminescent 2-site sandwich IA	A
Serum	Progesterone	Chemiluminescent competitive IA	A
Serum	Prolactin (macroprolactin)	Chemiluminescent 2-site sandwich IA	A
Serum	Testosterone	Chemiluminescent competitive IA	A
Serum	TSH	Chemiluminescent IA	A, B
Serum	Oestradiol	Chemiluminescent competitive IA	A
Serum	Sex hormone binding globulin	Sandwich IA	A
Serum	Cortisol	Chemiluminescent competitive IA	A, B



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	<u>Electrophoresis</u>		
Serum	Detection of normal & abnormal protein electrophoretic patterns	SOP by capillary electrophoresis using BC-SOP- 46 Sebia Capillarys 2	A
Serum, urine	Detection of monoclonal components	SOP BC-SOP-45 BC-SOP-46 by gel electrophoresis using Sebia Hydrasys 2	A
Urine	Quantification of Bence Jones Protein	SOP BC-SOP-45, BC-SOP-46 by gel electrophoresis using Sebia Capillarys 2 /Hydrasys 2	A
Serum	Paraprotein quantitation	SOP BC-SOP-45, BC-SOP-46 by capillary and gel electrophoresis using Sebia Capillarys 2 /Hydrasys 2	A
Serum, urine	Osmolality	SOP BC-SOP-38 by freezing point depression using Vitech Osmometer from Advanced Instruments	A, B
CSF	Xanthochromia screening	SOP BC-SOP-4 by spectrophotometry using Northstar Scientific	A



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Urine	Urine volume	Weighing on calibrated balance using SOP: BC-SOP-37	A, B
Faeces	Quantitation of haemoglobin	HM-JACKarc Faecal Immunochemical Testing (FIT) Detection System by Kyowa Medex Co. Ltd. Integrated Sphere Latex Turbidimetry Method. Using BC-SOP-139	A
END			