Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

8331

Accredited to ISO 15189:2022

Northern Care Alliance NHS Foundation Trust

Issue No: 013 **Issue date:** 11 June 2026

Salford Royal Hospital **Stott Lane** **Salford** **M6 8HD** **United Kingdom**	**Contact: Louise Bell** **Tel: +44 (0)161 206 5016** **E-Mail: louise.bell@nca.nhs.uk** **Website: http://www.northerncarealliance.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
Salford Royal Hospital Stott Lane Salford M6 8HD United Kingdom	**Local contact:** Louise Bell	Routine automated Chemistry General / Special Chemistry Toxicology	A
Department of Biochemistry Essential Services Laboratory Wigan Royal Albert Infirmary Wigan Lane Wigan WN1 2NN United Kingdom	**Local contact:** Louise Bell	Routine automated Chemistry	B
Thomas Linacre Outpatient Centre Parson's Walk Wigan WN1 1RU United Kingdom	**Local contact:** Louise Bell	Specimen reception activities only	C
Leigh Infirmary The Avenue Leigh WN7 1HS United Kingdom	**Local contact:** Louise Bell	Specimen reception activities only	D

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY FLUIDS	Biochemistry examination activities for the purposes of clinical diagnosis:	In house documented procedures based on equipment manuals and standard methods as specified below: Siemens Atellica IM by the following measurement principles using SOP's: BIO-S-A-375, BIO-S-386, BIO-S-B-47	
Serum	AFP	Using chemiluminescent 2-site sandwich IA	A
Serum	Anti-TPO antibodies	Chemiluminescent competitive IA	A
	Beta-HCG	Using chemiluminescent 2-site sandwich IA	A & B
Serum	CA199	Using chemiluminescent 2-site sandwich IA	A
Serum	CA125	Using chemiluminescent 2-site sandwich IA	A
Serum	CA153	Using chemiluminescent 2-site sandwich IA	A
Serum	CEA	Using chemiluminescent 2-site sandwich IA	A
Serum	Cortisol	Chemiluminescent competitive IA	A & B
Serum	DHEA-sulphate	Chemiluminescent competitive IA	A
Serum	Digoxin	Latex enhanced turbidimetry	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY FLUIDS (cont'd)	Biochemistry examination activities for the purposes of clinical diagnosis: (cont'd)	In house documented procedures based on equipment manuals and standard methods as specified below: Siemens Atellica IM by the following measurement principles using SOP's: BIO-S-A-375, BIO-S-386, BIO-S-B-47	
Serum	Ferritin	Using chemiluminescent 2-site sandwich IA	A & B
Serum	Folate	Chemiluminescent competitive IA	A & B
Serum	Follicle Stimulating Hormone	Chemiluminescent 2-site sandwich IA	A
Serum	Free T3	Chemiluminescent competitive IA	A
Serum	Free T4	Chemiluminescent competitive IA	A & B
Serum	Luteinising Hormone	Chemiluminescent 2-site sandwich IA	A
Serum	Oestradiol	Chemiluminescent competitive IA	A
Serum	nt-proBNP	Using chemiluminescent 2-site sandwich IA	A & B
Serum	Progesterone	Chemiluminescent competitive IA	A
Serum	Procalcitonin	Using chemiluminescent 2-site sandwich IA	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY FLUIDS (cont'd)	Biochemistry examination activities for the purposes of clinical diagnosis: (cont'd)	In house documented procedures based on equipment manuals and standard methods as specified below: Siemens Atellica IM by the following measurement principles using SOP's: BIO-S-A-375, BIO-S-386, BIO-S-B-47	
Serum	Prolactin	Chemiluminescent 2-site sandwich IA	A
Serum	PSA	Using chemiluminescent 2-site sandwich IA	A
Serum	PTH	Using chemiluminescent 2-site sandwich IA	A
Serum	SHBG	Using sandwich IA	A
Serum	Testosterone (Male)	Chemiluminescent competitive IA	A
Serum	Thyroid Stimulating Hormone	Chemiluminescent IA	A & B
Serum	High Sensitivity Troponin I	using chemiluminescence 3-site sandwich IA	A & B
Serum	Vitamin B12	Chemiluminescent competitive IA	A & B
Serum	Vitamin D	Competitive IA	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY FLUIDS (cont'd)	Biochemistry examination activities for the purposes of clinical diagnosis: (cont'd)	In house documented procedures based on equipment manuals and standard methods as specified below: Diasorin Liaison XL by the following measurement principles using SOP's: BIO-S-S-378	
Serum	ACTH	Chemiluminescent IA	A
Serum	Growth Hormone	Chemiluminescent IA	A
Serum	IGF-1	One site sandwich IA Siemens Atellica CH by the following measurement principles using SOP's: BIO-S-A-375, BIO-S-386, BIO-S-B-47	A
Serum & Urine	Chloride	using Potentiometry (Indirect IMT)	A & B
Serum & Urine	Potassium	using Potentiometry (Indirect IMT)	A & B
Serum & Urine	Sodium	using Potentiometry (Indirect IMT) Siemens Atellica CH by the following measurement principles using SOP's: BIO-S-A-375, BIO-S-386, BIO-S-B-47	A & B
Serum	Alpha-1-antitrypsin	Immunoturbidimetry	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY FLUIDS (cont'd)	Biochemistry examination activities for the purposes of clinical diagnosis: (cont'd)	In house documented procedures based on equipment manuals and standard methods as specified below: Siemens Atellica CH by the following measurement principles using SOP's: BIO-S-A-375, BIO-S-386, BIO-S-B-47	
Serum	Alanine aminotransferase	using NADH with P-5-P	A & B
Serum	Aspartate aminotransferas	using NADH with P-5-P	A
Serum	Albumin	using Bromocresol Green	A & B
Urine	Albumin	using PEG enhanced immunoturbidimetry	A
Serum	Alkaline phosphatase	using enzymatic IFCC Paranitrophenyl phosphate	A & B
Serum	Ammonia	using Glutamate dehydrogenase	A & B
Serum	Amylase	using enzymatic	A & B
Urine	Amylase	using enzymatic	A
Serum	Angiotensin Converting Enzyme (ACE)	Sentinel diagnostics using FAPGG enzymatic method	A
Serum	Bicarbonate/TOC2	Using spectrophotometry	A & B
Serum	Beta-2-Microglobulin	Using latex turbidimetry	A
Serum	Calcium	using colourimetric arsenazo III	A & B

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY FLUIDS (cont'd)	Biochemistry examination activities for the purposes of clinical diagnosis: (cont'd)	In house documented procedures based on equipment manuals and standard methods as specified below: Siemens Atellica CH by the following measurement principles using SOP's: BIO-S-A-375, BIO-S-386, BIO-S-B-47	
Urine	Calcium	using colourimetric arsenazo III	A
Serum	Carbamazepine	Using PETINIA immunoassay	A
Serum	Ceruloplasmin	Sentinel diagnostics using immunoturbidimetry	A
Serum	Cholesterol	using end point enzymatic/colorimetric	A & B
Serum	Conjugated bilirubin	using colourimetry	A & B
Serum	Creatine kinase	using enzymatic	A & B
Serum	Cystatin C		A
Serum	Enzymatic Creatinine	SOP BIO-S-A-265	A & B
Urine	Enzymatic Creatinine	SOP BIO-S-A-265	A
Serum	C-reactive protein	using latex agglutination	A & B
Serum	Ethanol	using enzymatic	A & B
Urine also	Ethanol	using enzymatic	A
Serum	Fructosamine	Using enzymatic Trinder end point	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY FLUIDS (cont'd)	Biochemistry examination activities for the purposes of clinical diagnosis: (cont'd)	In house documented procedures based on equipment manuals and standard methods as specified below: Siemens Atellica CH by the following measurement principles using SOP's: BIO-S-A-375, BIO-S-386, BIO-S-B-47	
Serum	Gamma GT	using zero-order kinetic with L-yGlutamyl-3-Carboxy-4-Nitroanilide	A
Serum	Gentamicin	using PETINIA	A & B
Serum	Glucose	using hexokinase	A & B
CSF	Glucose	using hexokinase	A
Serum	HDL-cholesterol	Using enzymatic	A & B
Serum	Iron	using colourimetric	A & B
Serum	Immunoglobulin A	using PEG enhanced immunoturbidimetry	A
Serum	Immunoglobulin G	using PEG enhanced immunoturbidimetry	A
Serum	Immunoglobulin M	using PEG enhanced immunoturbidimetry	A
Serum	Lactate	using enzymatic/colorimetric	A & B
CSF	Lactate	using enzymatic/colorimetric	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY FLUIDS (cont'd)	Biochemistry examination activities for the purposes of clinical diagnosis: (cont'd)	In house documented procedures based on equipment manuals and standard methods as specified below: Siemens Atellica CH by the following measurement principles using SOP's: BIO-S-A-375, BIO-S-386, BIO-S-B-47	
Serum	Lactate dehydrogenase	using Lactate to pyruvate in the presence of NAD	A & B
Serum	Lithium	using colourimetric endpoint	A
Serum	Magnesium	using colourimetric	A & B
Urine	Magnesium	using colourimetric	A
Serum	Paracetamol	using colourimetric	A & B
Serum	Phenytoin	using colourimetric	A
Serum	Phosphate	using phosphomolybdate	A & B
Urine	Phosphate	using phosphomolybdate	A
Serum	Salicylate	using enzymatic	A & B
Serum	Theophylline	using PETINIA	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY FLUIDS (cont'd)	Biochemistry examination activities for the purposes of clinical diagnosis: (cont'd)	In house documented procedures based on equipment manuals and standard methods as specified below: Siemens Atellica CH by the following measurement principles using SOP's: BIO-S-A-375, BIO-S-386, BIO-S-B-47	
Serum	Total bilirubin	using end point Vanadate	A & B
Urine & CSF	Total protein	using colourimetric Biuret	A
Serum	Total protein	using colourimetric Biuret	A & B
Serum	Transferrin	using PEG enhanced immunoturbidimetry	A & B
Serum	Triglycerides	using end point Enzymatic	A & B
Serum	Urate	using uricase	A & B
Urine	Urate	using uricase	A
Serum	Urea	using enzymatic	A & B
Urine	Urea	using enzymatic	A
Serum	Valproate	using PETINIA	A
Serum	Vancomycin	using PETINIA	A & B

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY FLUIDS (cont'd)	Biochemistry examination activities for the purposes of clinical diagnosis: (cont'd)	In house documented procedures based on equipment manuals and standard methods as specified below:	
Urine	Porphyrins	HPLC with FLR detection using Waters UPLC SOP BIO-S-G-56	A
Whole Blood	Red Cell Porphyrins	Perkin Elmer FL6500 Fluouresence Spectophotometer SOP BIO-S-E-74	A
Plasma	Plasma Porphyrins	Perkin Elmer FL6500 Fluouresence Spectophotometer SOP BIO-S-E-34	A
Faeces	Faecal porphyrins	Northstar BIO-UV spectrophotometer BIO-S-E-75	A
Urine	Porphobilinogen (Qualitative) screen	Manual Ion Exchange Chromatography SOP BIO-S-E-26	A
Urine	Porphobilinogen (PBG) (Quantitative) + α-aminolaevulinic acid (ALA)	Manual Ion Exchange Chromatography SOP BIO-S-E-26	A
Plasma, serum & Urine	Osmolality	Freezing point depression using the Advanced Instruments Osmo 1 SOP BIO-S-A-367	B
Urine and serum	Osmolality	Freezing point depression using the Advanced Instruments Osmo PRO SOP BIO-S-A-367 Shimadzu 8060NX Mass Spectrometer with Nexera Liquid Chromatography	A
Blood Only	Immunosuppressants: Cyclosporin, Sirolimus, Tacrolimus, Everolimus	BIO-S-MS-002	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY FLUIDS (cont'd)	Biochemistry examination activities for the purposes of clinical diagnosis: (cont'd)	In house documented procedures based on equipment manuals and standard methods as specified below: Shimadzu 8060NX Mass Spectrometer with Nexera Liquid Chromatography	
Urine only	Androgens: Testosterone (female), Androstenedione	BIO-S-MS-006	A
Urine only	5Hydroxyindoleacetic acid (5HIAA)	BIO-S-MS-003	A
Urine only	Cortisol	BIO-S-MS-004	A
Urine only	Metadrenalines: Metadrenaline, Normetadrenaline	BIO-S-MS-005	A
Urine only	Toxicology Screen; Morphine, Codeine, Dihydrocodeine, 6-Monoacetylmorphine, Acetylcodeine, Buprenorphine, Nor-Buprenorphine, Methadone, EDDP, Nor-Fentanyl, Oxycodone, Tramadol, Amphetamine, MDMA, Metamphetamine, Benzoylecognine, Pregabalin, Gabapentin, Ketamine, Zopiclone, Cannabis metabolite (THC-COOH),Temazepam, Nordiazepam, Oxazepam, Lorazepam, Nitrazepam, Clonazepam, Alprazolam	BIO-S-MS-009	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY FLUIDS (cont'd)	Biochemistry examination activities for the purposes of clinical diagnosis: (cont'd)	In house documented procedures based on equipment manuals and standard methods as specified below:	
Whole Blood only	Blood gases / acid base: PH, pCO_2, pO_2, Sodium, Oxygen saturation, Potassium, ionised calcium, bicarbonate, glucose , lactate	Werfen GEM 5000 Blood Gas Analyser Co-oximetry with reference to manufacturer's instructions POCT-SOP-35	A & B
Whole Blood only	Total Hb, Carboxy-Hb, Met-Hb, Oxy-Hb	Werfen GEM 5000 Blood Gas Analyser Co-oximetry with reference to manufacturer's instructions and POCT-SOP-35	A & B
CSFs	Xanthochromia	Northstar BIO-UV spectrophotometer SOP BIO-S-G-25	A
Plasma	Metadrenaline Normetadrenaline	Manual ELISA using documented in-house procedure SOP BIO-S-E-64	A
Faeces	Calprotectin	Immunodiagnostik ELISA using the DS2 SOP-BIO-S-G-42	A
Faeces	Faecal Immunochemical Testing (FIT) for symptomatic testing	HMJAKarc Faecal Immunochemical Testing (FIT) Detection System by Kyowa Medex Co. Ltd. Integrated Sphere Latex Turbidimetry Method SOP BIO-S-G-54	A
Serum	Serum Free Light chains	Turbidimetry using the Binding site Optilite SOP BIO-S-I-126	A
Serum	Immunodisplacement	Capillary Electrophoresis using the Helena V8 SOP BIO-S-I-01	A
Urine also	Serum protein and Urine Bence Jones protein (immunoglobulin light chains)	Capillary Electrophoresis using the Helena V8 and SAS3 and SAS4* system SOP BIO-S-I-01 SOP BIO-S-I-02	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY FLUIDS (cont'd)	Biochemistry examination activities for the purposes of clinical diagnosis: (cont'd)	In house documented procedures based on equipment manuals and standard methods as specified below:	
Serum and CSF	Blood Brain Barrier Ratio calculation from: Serum albumin Serum IgG CSF albumin CSF IgG	Turbidimetry using Binding site Optilite SOP BIO-S-I-27	A
Serum and CSF	Oligoclonal Bands -IgG	Helena SAS-3 Semi automated gel electrophoresis system SOP BIO-S-I-23	A
Fluids	Tau Protein (B2 Transferrin)	Helena SAS-3 Semi automated gel electrophoresis system SOP BIO-S-I-22	A
Serum	Trace Metals: Copper, Zinc and Selenium	Agilent 8700 ICPMS equipped with Agilent SPS4 autosampler SOP BIO-S-G-47	A
END			