


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <b>8549</b> <b>Accredited to ISO 15189:2022</b>	<b>Lancashire Teaching Hospitals NHS Foundation Trust</b>	
	<b>Issue No: 016    Issue date: 16 February 2026</b>	
	<b>Department of Clinical Biochemistry</b> Royal Preston Hospital Sharoe Green Lane Fulwood Preston PR2 9HT United Kingdom	<b>Contact: Leanne Hall</b> <b>Tel: +44 (0)1772 522132</b> <b>E-Mail: <a href="mailto:Leanne.Hall@lthtr.nhs.uk">Leanne.Hall@lthtr.nhs.uk</a></b> <b>Website: <a href="http://www.lancsteachinghospitals.nhs.uk">http://www.lancsteachinghospitals.nhs.uk</a></b>
<b>Testing performed by the Organisation at the locations specified below</b>		

### Locations covered by the organisation and their relevant activities

#### Laboratory locations:

Location details	Activity	Location code
<b>Address</b> Department of Clinical Biochemistry Royal Preston Hospital Sharoe Green Lane Fulwood Preston PR2 9HT United Kingdom	<b>Local contact</b> Amanda Southworth	General Biochemistry Immunoassay Metabolic Biochemistry Molecular Haematology A
Biochemistry Department Chorley & South Ribble Hospital Preston Road Chorley PR7 1PP United Kingdom	General Biochemistry	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)	<p><u>Biochemical examination activities for the purposes of clinical diagnosis.</u></p> <p><u>General Biochemistry</u></p> <p>Quantification of:</p>	<p>In house documented procedures based on equipment manuals and standard methods as specified below:</p> <p>SOPs using Roche Cobas 8000 (Site A; consists of tracked ISE, c702 &amp; e801 modules across two lines) and Roche Cobas PURE (Site B: consists of modules 303, 801, across two instruments), all with Roche modular pre-analytical systems and with specific reference to:</p>	
Serum	ACE	SBI-125 (by colourimetry)	A
Serum	Albumin	SBI-126 (by colourimetry)	A & B
Urine	Albumin Creatine Ratio	SBI-14 (calculated)	A
Urine	Albumin	SBI-170 (by immunoturbidimetry)	A
Serum	Amikacin	SBI-300 (by KIMS)	A
Plasma	Ammonia	SBI-129 (by colourimetry)	A & B
Serum & Urine	Amylase	SBI-131 (by colourimetry)	A & B (Urine at A only)
Serum	ALP	SBI-127 (by colourimetry)	A & B
Serum	ALT	SBI-128 (by colourimetry)	A & B
Serum	ALTP	SBI-304 (by colourimetry)	A
Serum	AST	SBI-132 (by colourimetry)	A
Urine	Benzodiazepines	SBI-286 (by KIMS)	A
Urine	Cannabinoids	SBI-287 (by KIMS)	A
Serum	Beta Hydroxy Butyrate Dehydrogenase (BHBD)	SBI-248 (by colourimetry)	A



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Serum	Bicarbonate	SBI-134 (by colourimetry)	A & B
Serum	Bile Acids	SBI-135 (by spectrophotometry)	A
Serum	CA 15-3	SBI-308 (by ECLIA)	A
Serum	Caeruloplasmin	SBI-230 (by colourimetry)	A
Urine	Cannabis	SBI-25 (by KIMS)	A
Serum	Carbamazepine	SBI-138 (by KIMS)	A
Serum & Urine	Chloride	SBI-152 (by ISE)	A & B (Urine at A only)
Serum	Conjugated Bilirubin	SBI-145 (by spectrophotometry)	A
Serum	Corrected Calcium	SBI-14 (calculated)	A & B
Serum & Urine	Creatinine	SBI-142 (by colourimetry)	A & B (Urine at A only)
Urine	Creatinine clearance	SBI-14 (calculated)	A
Urine	Creatinine excretion	SBI-14 (calculated)	A
Serum	Creatinine Kinase	SBI-140 (by colourimetry)	A & B
Serum	CRP	SBI-143 (by immunoturbidimetry)	A & B
Serum	c-Peptide	SBI-296 (by ECLIA)	A



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Serum	Direct LDL	SBI-306 (by colourimetry)	A
Serum	Estimated GFR	SBI-14 (calculated)	A & B
Plasma & Urine	Ethanol	SBI-146 (by colourimetry)	A
Serum	Gentamicin	SBI-238 (by spectrophotometry CEDIA)	A & B
Plasma, Urine & CSF	Glucose	SBI-149 (by colourimetry)	A & B
Serum	γGT	SBI-147 (by colourimetry)	A & B
Serum	HDL	SBI-150 (by colourimetry)	A
Serum & Urine	Inorganic Phosphate	SBI-162 (by colourimetry)	A & B (Urine at A only)
Serum	IL-6	SBI-293 (by ECLIA)	A
Serum	Insulin	SBI-295 (by ECLIA)	A
Serum & CSF	Lactate	SBI-153 (by colourimetry)	A & B (CSF at A only)
Serum	LDH	SBI-154 (by colourimetry)	A
	LDL	SBI-14 (calculated)	A
Serum	Lipid Risk Ratio	SBI-14 (calculated)	A
Serum	Lithium	SBI-83 (by colourimetry)	A



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Serum	Magnesium	SBI-155 (by colourimetry)	A & B
Serum	Paracetamol	SBI-158 (by colourimetry)	A & B
Serum	Paracetamol	SBI-305 (by colourimetry)	B
Serum	Phenobarbitone	SBI-160 (by KIMS)	A
Serum	Phenytoin	SBI-161 (by KIMS)	A
Urine	Phosphate excretion	SBI-14 (calculated)	A
Serum & Urine	Potassium	SBI-152 (by ISE)	A & B (Urine at A only)
Urine	Potassium excretion	SBI-14 (calculated)	A
Serum	Procalcitonin	SBI-290 (by ECLIA)	A
Serum	Salicyclate	SBI-250 (by colourimetry)	A & B
Serum & Urine	Sodium	SBI-152 (by ISE)	A & B (Urine at A only)
Urine	Sodium Excretion	SBI-14 (calculated)	A
Serum	Theophylline	SBI-165 (by KIMS)	A
Serum	TIBC	SBI-14 (calculated)	A
Serum	Total Bilirubin	SBI-166 (by colourimetry)	A & B



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Serum & Urine	Total Calcium	SBI-136 (by colourimetry)	A & B (Urine at A only)
Serum	Total Cholesterol	SBI-139 (by colourimetry)	A
Serum	Total Iron	SBI-151 (by colourimetry)	A
Serum	Total immunoglobulins A, M & G	SBI-235 (by immunoturbidimetry)	A
Serum	Total Protein	SBI-167 (by colourimetry)	A & B
Urine & CSF	Total Protein	SBI-172 (by immunoturbidimetry)	A
Serum	Transferrin	SBI-168 (by colourimetry)	A
Serum	Triglyceride	SBI-169 (by colourimetry)	A
Serum	Urate	SBI-173 (by colourimetry)	A
Urine	Urate excretion	SBI-14 (calculated)	A
Serum & Urine	Urea	SBI-174 (by colourimetry)	A & B (Urine at A only)
Urine	Urea excretion	SBI-14 (calculated)	A
Serum	Unconjugated Bilirubin	SBI-14 (calculated)	A
Serum	Vancomycin	SBI-239 (by colourimetry)	A & B



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HUMAN BODY FLUIDS (cont'd) as stated	<u>Biochemical examination activities for the purposes of clinical diagnosis.</u>	In house documented procedures based on equipment manuals and standard methods as specified below:	
Human serum unless otherwise stated	<u>Immunoassay</u> Quantification of:	By ECLIA using Roche Cobas 8000 (consists of tracked ISE, c702 & e801 modules) with specific reference to SOPs:	
Serum or Plasma (LiHep)	AFP	SBI-26	A
	Anti Mullerian Hormone	SBI E170 (602/801 module)	A
	Ca 125	SBI-27	A
	Ca 19-9	SBI-28	A
	CEA	SBI-29	A
	Cortisol	SBI-30	A
	Digoxin	SBI-31	A
	Ferritin	SBI-32	A
	Folate	SBI-33	A
	Free T4	SBI-36	A
	Free T3	SBI-35	A
	FSH	SBI-34	A
	HCG (total)	SBI-47	A
	LH	SBI-38	A
NT pro BNP	SBI-227	A	
Oestradiol	SBI-40	A	
Progesterone	SBI-41	A	
Prolactin	SBI-42	A	



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Human serum unless otherwise stated (cont'd)	<u>Immunoassay</u> (cont'd)		
	Quantification of: (cont'd)	By ECLIA using Roche Cobas 8000 (consists of tracked ISE, c702 & e801 modules) with specific reference to SOPs:	
	PSA	SBI-43	A
	PTH	SBI-44	A
	SBHG	SBI-45	A
	Testosterone	SBI-46	A
	Troponin T	SBI-48	A & B
	TSH	SBI-49	A
	Vitamin B12	SBI-50	A
	Vitamin D	SBI-201	A
	Cystatin C	SBI-279	A
	Placental Growth Factor (PIGF)	S BI PIGF 19_1	A
	Soluble fms-like tyrosine kinase-1 (sFlt-1)	S BI-sFIT-1 19_1	A
	sFlt-1/PIGF ratio	S BI PIGF 19_1	A



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Serum	<u>Other Biochemistry</u> Quantification of:	SOPs using IDS Isys with specific reference to:	A
	GH	SBI-71	
	IGF1	SBI-72	
Plasma	Renin	SBI-270	
Plasma	Aldosterone	SBI-271	
EDTA Whole Blood	Therapeutic drug monitoring Cyclosporin Tacrolimus	SOP SBI-267 using LCMSMS Waters Aquity UHPLC with Xevo TQD (Mass Spectrometry)	A
Urine	Drugs of Abuse: Morphine Codeine 6MAM Acetyl codeine DHC BZE Cocaine Methadone EDDP Amphetamine Metamphetamine MDA MDMA Ketamine Buprenorphine Norbuprenorphine	SOP SBI-277 using Waters Xevo TQS micro (Mass Spectrometry)	A
Urine	Detection of Cortisol	SOP SBI-268 Urine Cortisol on Xevo TQD using LCMSMS Waters Aquity UHPLC with Xevo TQD	A
Serum	Testosterone & Androstenedione	SOP SBI-285 using Waters Xevo TQS micro (Mass Spectrometry)	A
Whole blood	HbA1c	SOP SBI-69 using TOSOH G11	A



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	<u>Other Biochemistry</u> (cont'd)		
Serum and urine	Osmolality	SOP SBI-101 using Advanced instruments Osmometer	A
Urine	5HIAA Metadrenaline & Normatadrenaline	SOPs SBI-255 by LCMSMS Waters Aquity UHPLC with detection by Xevo TQS micro	A
CSF	Xanthochromia	SOPs SBI-20 & 237 using UVIKON XS spectrophotometer	A
Serum	Trace metals – Copper & Zinc	SOPs SBI-181 & 182 using Perkin Elmer PinAAcle 500 Atomic Absorption Spectrophotometer	A
Sweat	Sweat tests / Sweat Chloride	SOP SBI-185 using Sherwood 926 Chloride meter	A
Urine	Porphobilinogen screen	SOP SBI-105 using Uvikon XS Spectrophotometer with RECIPE Inc. Clineasy columns PBG kit	A
Faeces	Calprotectin	SOP SBI-253 using Phadia 250 and Phadi ElIA Calpro 2 kit	A
Faeces	Faecal Haemoglobin	SOP SBI-269 Faecal Immunochemical Test (FIT) using latex agglutination on the MAST OC Sensor Pledia analyser	A



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Whole blood	<u>Other Biochemistry</u> (cont'd) Blood Gases: pH (calculated) pO <sub>2</sub> pCO <sub>2</sub> %OXYGEN saturation Carboxyhaemoglobin Haemoglobin (Hb) Methaemoglobin Sodium (Direct ISE) Potassium (Direct ISE) Chloride (Direct ISE)	SOP SBI-263 using Radiometer ABL 90 Flex + Blood Gas Analyser	A & B (Hb at A only)
EDTA Whole Blood	Detection of Factor 5 Leiden mutation	SOP SBI-63 Alkaline Extraction of Genomic DNA SOP-56 PCR using the cobas Factor II & Factor V duplex kit on the Cobas z480 analyser	A
EDTA Whole Blood	Detection of Prothrombin G20210A mutation	SOP SBI-63 Alkaline Extraction of Genomic DNA SOP-56 PCR using the cobas Factor II & Factor V duplex kit on the Cobas z480 analyser	A
END			