


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <b>UKAS</b> MEDICAL 8483  Accredited to ISO 15189:2022	<b>University Hospitals Southampton NHS Foundation Trust</b>	
	Issue No: 013 Issue date: 27 April 2026	
	<b>Southampton General Hospital</b> Pathology Department Tremona Road Southampton SO16 6YD United Kingdom	<b>Contact: Rob Rowe</b> Tel: +44 (0) 23 8120 6709 E-Mail: Rob.Rowe@uhs.nhs.uk Website: www.uhs.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
<b>Address</b> Department of Clinical Biochemistry Mailpoint 6 Level D, SAB Southampton General Hospital Tremona Road Southampton SO16 6YD	<b>Local contact</b> Richard Allan +44(0)2381206706	Biochemistry  SUH

#### Site activities performed away from the locations listed above:

Location details	Activity	Location code
<b>Address</b> Critical Care Laboratory Level D, North Wing Southampton General Hospital Tremona Road Southampton SO16 6YD	<b>Local contact</b> Will Rivenburg +44(0)2381206721	Biochemistry  CRIT



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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/ Plasma unless otherwise specified	<u>Biochemistry examination activities for the purpose of clinical diagnosis</u>	Documented in house methods and manufacturer's instructions for	
	Quantification of:	Documented procedures and manufacturer's instructions for Beckman Coulter DXi (chemiluminescent immunoassay) with specific reference to:	
	Alpha fetoprotein	ADIM 1.1	SUH
	Anti Mullerian hormone (AMH)	ADIM 1.27	SUH
	Vitamin B12	ADIM 1.2	SUH
	25OH Vitamin D (total)	ADIM 1.26	SUH
	Digoxin	ADIM 1.3	SUH
	Ferritin	ADIM 1.4	SUH
	Folate	ADIM 1.5	SUH
	Follicle stimulating hormone (FSH)	ADIM 1.6	SUH
	Human Chorionic Gonadotrophin (HCG)	ADIM 1.7	SUH
	Luteinising hormone (LH)	ADIM 1.9	SUH
	Oestradiol (E2)	ADIM 1.11	SUH
	Prolactin	ADIM 1.12	SUH
	Progesterone	ADIM 1.13	SUH
	Prostate specific antigen (PSA)	ADIM 1.14	SUH
	Free triiodothyronine (FT3)	ADIM 1.15	SUH
Free thyroxine (FT4)	ADIM 1.16	SUH	
Testosterone	ADIM 1.17	SUH	



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HUMAN BODY FLUIDS: Serum/ Plasma unless otherwise specified (cont'd)	<u>Biochemistry examination activities for the purpose of clinical diagnosis</u> (cont'd)	Documented in house methods and manufacturer's instructions for	
	Quantification of: (cont'd)	Documented procedures and manufacturer's instructions for Beckman Coulter DXi (chemiluminescent immunoassay) with specific reference to:	
	Free testosterone index	ADIM 1.17/ADIM/1.24 (Calculation)	SUH
	Thyroid stimulating hormone (TSH)	ADIM 1.18	SUH
	Free androgen index	ADIM 1.17/ADIM/1.24/AUM02 (Calculation)	SUH
	Thyroid Stimulating Hormone (TSH)	ADIM 1.18	
	Troponin I	ADIM 1.19	SUH
	Cortisol	ADIM 1.20	SUH
	CA-125	ADIM 1.21	SUH
	CA 19-9	ADIM 1.22	SUH
	Carcinoembryonic antigen (CEA)	ADIM 1.23	SUH
	Sex hormone binding globulin (SHBG)	ADIM 1.24	SUH
	Parathyroid hormone (PTH)	ADIM 1.25	SUH
	Quantification of:	Documented procedures and manufacturer's instructions for Beckman Coulter AU5800 & AU680 (colorimetric, chemiluminescent, enzymatic and ISE ) with specific reference to:	
Angiotensin converting enzyme (ACE)	AUM01	SUH	
Albumin	AUM02	SUH	



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HUMAN BODY FLUIDS: Serum/ Plasma unless otherwise specified (cont'd)	<u>Biochemistry examination activities for the purpose of clinical diagnosis (cont'd)</u>	Documented in house methods and manufacturer's instructions for		
	Quantification of: (cont'd)	Documented procedures and manufacturer's instructions for Beckman Coulter AU5800 & AU680 (colorimetric, chemiluminescent, enzymatic and ISE ) with specific reference to:		
	Alcohol	AUM03	SUH	
	Alkaline phosphatase (ALP)	AUM04	SUH	
	Alanine transaminase (ALT)	AUM05	SUH	
	Alpha 1 antitrypsin (A1AT)	AUM50	SUH	
	Amikacin	AUM52	SUH	
	Ammonia	AUM06	SUH	
	Serum/plasma/urine	Amylase	AUM07	SUH
	Urine	Urine amylase clearance	AUM07 (Calculation)	SUH
		Aspartate transaminase (AST)	AUM08	SUH
		Bicarbonate	AUM09	SUH
		Bile Acids	AUM10	SUH
		C-reactive protein (CRP)	AUM11	SUH
		Caeruloplasmin	AUM60	SUH
	Calcium	AUM12	SUH	
	Calcium (adjusted)	AUM12	SUH	
	Carbamazepine	AUM13	SUH	
Serum/plasma/urine	Chloride	AUM14	SUH	
	Cholesterol	AUM15	SUH	



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	Quantification of: (cont'd)	Documented procedures and manufacturer's instructions for Beckman Coulter AU5800 & AU680 (colorimetric, chemiluminescent, enzymatic and ISE) with specific reference to:		
	HDL/cholesterol ratio	AUM15/AUM24 (Calculation)	SUH	
	Non-HDL cholesterol	AUM15/AUM24 (Calculation)	SUH	
	LDL cholesterol	AUM15/AUM24/AUM45 (Calculation)	SUH	
	Urine	Citric Acid	SBM 2.12	SUH
	Urine	Urine citric acid output	SBM 2.12 (Calculation)	SUH
	Urine	Urine citric acid/creatinine ratio	SMB 2.12/AUM18 (Calculation)	SUH
	Serum/plasma/urine/	Creatine Kinase (CK)	AUM17	SUH
		Creatinine	AUM18/FT2.08	SUH
eGFR (CKD-EPI)		AUM18 (Calculation)	SUH	
AKI stage alert		AUM18 (Calculation)	SUH	
Urine	Urine creatinine output	AUM18 (Calculation)	SUH	
	Creatinine Clearance	AUM18 (Calculation)	SUH	
Whole blood	Ciclosporin	AUM19	SUH	
	Direct bilirubin	AUM20	SUH	
	Gentamicin	AUM21	SUH	
	Gamma glutamyl transferase (GGT)	AUM22	SUH	
Serum/plasma/CSF	Glucose	AUM23	SUH	



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	Quantification of: (cont'd)	Documented procedures and manufacturer's instructions for Beckman Coulter AU5800 & AU680 (colorimetric, chemiluminescent, enzymatic and ISE) with specific reference to:		
	High density lipoprotein cholesterol (HDL)	AUM24	SUH	
	Iron	AUM25	SUH	
	Lactate dehydrogenase (LDH)	AUM26	SUH	
	Lithium	AUM27	SUH	
	Serum/plasma/urine	Magnesium	AUM28	SUH
	Urine	Urine magnesium output	AUM28 (Calculation)	SUH
	Urine	Urine magnesium creatinine ratio	AUM28/AUM18 (Calculation)	SUH
		Methotrexate	AUM29	SUH
	Urine	Albumin	AUM30	SUH
	Urine	Urine albumin/creatinine ratio	AUM30 (Calculation)	SUH
	Urine/CSF	Total protein	AUM31	SUH
Urine	Urine total protein/creatinine ratio	AUM31 (Calculation)	SUH	
Urine	Oxalate	SBM 2.13	SUH	
Urine	Urine oxalate creatinine ratio	SBM 2.13/AUM18 (Calculation)	SUH	
	Paracetamol	AUM33	SUH	
	Phenobarbitone	AUM34	SUH	
	Phenytoin	AUM35	SUH	



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HUMAN BODY FLUIDS: Serum/ Plasma unless otherwise specified (cont'd)	<u>Biochemistry examination activities for the purpose of clinical diagnosis (cont'd)</u>  Quantification of: (cont'd)	Documented in house methods and manufacturer's instructions for  Documented procedures and manufacturer's instructions for Beckman Coulter AU5800 & AU680 (colorimetric, chemiluminescent, enzymatic and ISE) with specific reference to:	
Serum/plasma/urine	Phosphate	AUM36	SUH
Urine	Urine phosphate/creatinine ratio	AUM36/AUM18 (Calculation)	SUH
Serum/plasma/urine	Potassium	AUM32	SUH
Urine	Urine potassium output	AUM37 (Calculation)	SUH
	Salicylate	AUM38	SUH
Serum/plasma/urine	Sodium	AUM39	SUH
Urine	Urine sodium output	AUM39 (Calculation)	SUH
	Theophylline	AUM40	SUH
	Tobramycin	AUM41	SUH
	Total bilirubin	AUM42	SUH
	Total protein	AUM43	SUH
	Transferrin	AUM44	SUH
	Transferrin saturation	AUM44/AUM25 (Calculation)	SUH
	Triglycerides	AUM45	SUH
Serum/plasma/urine	Urea	AUM46	SUH
Serum/plasma/urine	Uric acid	AUM47	SUH
Urine	Urine uric acid output	AUM47 (Calculation)	SUH
Urine	Urine uric acid/creatinine ratio	AUM47/AUM18 (Calculation)	SUH



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	Quantification of:	Documented procedures and manufacturer's instructions for Beckman Coulter AU5800 & AU680 (colorimetric, chemiluminescent, enzymatic and ISE) with specific reference to:	
	Valproate	AUM48	SUH
	Vancomycin	AUM49	SUH
Urine	Porphobilinogen	Uvikon XS, spectrophotometric ADGM3	SUH
Urine	Urine porphobilinogen/ creatinine ratio	Uvikon XS, spectrophotometric ADGM3/AUM13 (Calculation)	SUH
		Documented in house methods and manufacturer's instructions for Beckman Coulter AU5800 & AU680 (Enzyme-multiplied immunoassay) with specific reference to:	
Blood – serum/plasm	Therapeutic drug monitoring: <ul style="list-style-type: none"> <li>Gentamicin</li> <li>Vancomycin</li> <li>Amikacin</li> <li>Carbamazepine</li> <li>Phenytoin</li> <li>Phenobarbitone</li> <li>Valproate</li> <li>Theophylline</li> </ul>	AUM03, AUM13, AUM21, AUM34, AUM35, AUM40, AUM48, AUM49, AUM52.EMIT	
	Drugs of Abuse: <ul style="list-style-type: none"> <li>Ethanol</li> </ul>		
24hr Urine collected in Thymol	Urine Citric acid	Beckman AU680 analyser, UV-method Boehringer Mannheim/R-Biopham kit Supplied by Fortress Diagnosis SOP SBM 2.11AU680	SUH
Urine	Urine Citic acid		
Urine	Urine citric acid/creatinine ratio	Calculation SOP SBM 2.11AU680	



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Serum/urine	Osmolality	Freezing point A2O automated osmometer and Osmo1 AOM 1.1	SUH
	Quantification of:	Documented procedures and manufacturer's instructions for Radiometer ABL series blood gas analyser (co-oximetry) with specific reference to:	
Whole blood/plasma	Optical bilirubin	CCL 1.1	CRIT
Whole blood	Carboxyhaemoglobin (COHb)	CCL 1.1	CRIT
Whole blood/plasma/CSF	Lactate	CCL 1.1/FT2.08	CRIT
Whole blood	Methaemoglobin	CCL 1.1	CRIT
Urine	Drugs of abuse screening	Biosite Triage meter, competitive fluorescence immunoassay FT 2.03	SUH
Urine	pH	pH meter TMC 1.16	SUH
Urine	HMMA & HVA	HPLC (electrochemical detection) TMC1.23	SUH
Urine	Urine HMMA & HVA/creatinine ratio	TMC1.23/AUM18/LCMSGP8 (Calculation)	SUH
Urine	5HIAA	HPLC (electrochemical detection) TMC1.23	SUH
Urine	5HIAA output	TMC1.01 (Calculation)	SUH
Serum	Vitamin A & E	HPLC (spectrophotometric detection) TMC1.25	SUH
Urine	Metadrenaline	LC-MS/MS (Waters TQD) LCMSAP4	SUH



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HUMAN BODY FLUIDS: Serum/ Plasma unless otherwise specified (cont'd)	<u>Biochemistry examination activities for the purpose of clinical diagnosis (cont'd)</u>	Documented in house methods and manufacturer's instructions for	
Urine	Urine metadrenaline output	LCMSAP4 (Calculation)	SUH
Urine	Urine metadrenaline/ creatinine Ratio	LCMSAP4/AUM18 (Calculation)	SUH
Urine	Normetadrenaline	LC-MS/MS (Waters TQD) LCMSAP4	SUH
Urine	Urine normetadrenaline output	LCMSAP4 (Calculation)	SUH
Urine	Urine normetadrenaline /creatinine ratio	LCMSAP4/AUM18 (Calculation)	SUH
Urine	3-methoxytyramine	LC-MS/MS (Waters TQD) LCMSAP4	SUH
Urine	Urine-3-methoxytyramine output	LCMSAP4 (Calculation)	SUH
Urine	Urine-3-methoxytyramine/ creatinine output	LCMSAP4/AUM18 (Calculation)	SUH
Dried blood spot (Guthrie card)	17-hydroxyprogesterone	LC-MS/MS (Waters TQD) LCMSAP1	SUH
Dried blood spot (Guthrie card)	Acyl carnitines	LC-MS/MS (Waters TQD) LCMSAP1	SUH
Serum	17-hydroxyprogesterone	LC-MS/MS (Waters TQD) LCMSAP5	SUH
Serum	Testosterone	LC-MS/MS (Waters TQD) TMC LCMSAP5	SUH
Serum	Androstenedione	LC-MS/MS (Waters TQD) TMC LCMSAP5	SUH
Serum	Dehydroepiandrosterone sulphate (DHEAS)	LC-MS/MS (Waters TQD) LCMSAP6	SUH
Plasma	Metanephrine Noretanephrine 3-Methoxytyramine	LC-MS/MS (Waters TQD) CMSAP9	SUH



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Plasma/serum/urine/CSF	Amino acids	HPLC (Biochrom 30 & 30 Plus amino acid analyser, cation exchange) TMC1.04, 1.04a & 2.02c	SUH
Urine	Urine amino acids creatinine ratio	TMC1.04/AUM18 (Calculation)	SUH
Urine	Organic acids (qualitative)	GC-MS TMC 1.07	SUH
Calculus	Calculus analysis	FTIR spectroscopy ADGM8	SUH
	Quantification of:	Documented procedures and manufacturer's instructions for Siemens Diagnostics Immulite 2000 xpi automated immunoassay with specific reference to:	SUH
Plasma (EDTA)	Adrenocorticotrophic hormone (ACTH)	SBA: 2.11	SUH
Plasma (Lihep)/ Serum	Calcitonin	SBA: 2.20	SUH
Serum plasma	C-peptide	SBA: 2.13/FT2.08	SUH
	Erythropoietin	SBA: 2.21	SUH
Plasma (Li hep)	N-Terminal pro-brain natriuretic peptide	SBA: 2.16	SUH
	Human growth hormone	SBA: 2.16	SUH
	Thyroglobulin and Thyroglobulin antibody	SBA: 2.17,2.18	SUH
	Insulin like growth factor 1	SBA: 2.19	SUH



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Serum/plasma/vitreous humour	Insulin	Beckman DXI One-step immuno enzymatic assay. SOP SBA: 3.01/FT2.08	SUH
	Hyaluronic Acid (HA)	Documented procedures and manufacturer's instructions for Siemens Centaur XP automated immunoassay with specific reference to:	SUH
	P3NP-intact N-terminal propeptide of type III collagen (P3NP)	SBA 4.03	SUH
	TIMP metalloproteinase inhibitor 1 (TIMP1)	SBA 4.04	SUH
	Quantification of:	SBA 4.06	SUH
		Documented procedures and manufacturer's instructions for Diasorin Liaison, competitive chemiluminescence immunoassay with specific reference to:	
Plasma (EDTA)	Aldosterone	SBA 5.03	SUH
Plasma (EDTA)	Renin	SBA 5.02	SUH
Plasma (EDTA)	Aldosterone/renin ratio	SBA 5.02/SBA 5.03 (Calculation)	SUH
Faeces	Faecal Elastase	Schebo BioTech Elastase kit, ELISA SBA:5.04	SUH



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		Documented procedures and manufacturer's instructions for SEBIA Hydrasys focusing system- Electrophoresis with specific reference to:	
	Alkaline phosphatase isoenzymes	SBE 1.01	SUH
	Alpha 1 antitrypsin phenotyping	SBE 1.03	SUH
Saliva	Salivary Cortisol	Salimetrics kit, ELISA SBM 2.09	SUH
Sweat	Sweat Chloride	Corning and Sherwood chloride meter using TE 1.6 (coulometric titration)	SUH
	Quantification of:	Documented procedures and manufacturer's instructions for NexION ICP-MS with specific reference to:	
Plasma/urine	Aluminium	TE 2.5	
Plasma/whole blood/urine	Antimony	TE 2.6	
Urine	Urine antimony/creatinine ratio	TE2.6/AUM18 (Calculation)	SUH
Whole blood/urine	Arsenic	TE 2.7	SUH
Plasma/urine	Barium	TE 2.8	SUH
Urine	Beryllium	TE 2.9	SUH
Whole blood/urine	Bismuth	TE 2.10	SUH
Plasma/urine	Boron	TE 2.11	SUH
Urine	Urine boron/creatinine ratio	TE 2.11/AUM18 (Calculation)	SUH
Whole blood/urine	Cadmium	TE 2.12	SUH
Urine	Urine cadmium/creatinine ratio	TE 2.12/AUM18 (Calculation)	SUH



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	Quantification of: (cont'd)	Documented procedures and manufacturer's instructions for NexION ICP-MS with specific reference to:	
Whole blood/plasma/urine/joint aspirate	Chromium	TE 2.13	SUH
Urine	Urine chromium/creatinine ratio	TE 2.13/AUM18 (Calculation)	SUH
Whole blood/plasma/urine/joint aspirate	Cobalt	TE 2.14	SUH
Plasma/urine/tissue digest	Copper	TE 2.15 Copper in urine TE 2.4 Copper and zinc in plasma TE 1.5 Digestion of samples	SUH
Urine	Urine copper output	TE 2.15 (Calculation)	SUH
Plasma/urine	Gold	TE 2.17	SUH
Plasma/urine	Iodine	TE 2.18	SUH
Urine/tissue digest	Iron	TE 2.19 TE 1.5 Digestion of samples	SUH
Urine	Urine iron output	TE 2.19 (Calculation)	SUH
Whole blood/urine	Lead	TE 2.20	SUH
Urine	Urine lead/creatinine ratio	TE 2.20/AUM18 (Calculation)	SUH
Urine	Lithium	TE 2.21	SUH
Whole blood/urine	Manganese	TE 2.22	SUH
Whole blood/urine	Mercury	TE 2.23	SUH
Urine	Urine mercury/creatinine ratio	TE 2.23/AUM18 (Calculation)	SUH



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	Quantification of: (cont'd)	Documented procedures and manufacturer's instructions for NexION ICP-MS with specific reference to:	
Plasma/whole blood/urine	Molybdenum	TE 2.24	SUH
Urine	Urine molybdenum output	TE 2.24 (Calculation)	SUH
Plasma/urine	Nickel	TE 2.25	SUH
Urine	Urine nickel/creatinine ratio	TE 2.25/AUM18 (Calculation)	SUH
Whole blood/urine	Platinum	TE 2.26	SUH
Plasma/whole blood/urine	Selenium	TE 2.27	SUH
Urine	Urine selenium/creatinine ratio	TE 2.27/AUM18 (Calculation)	SUH
Whole blood/urine	Silver	TE 2.29	SUH
Plasma/urine	Strontium	TE 2.30	SUH
Urine	Urine strontium output	TE 2.30 (Calculation)	SUH
Whole blood/urine	Tellurium	TE 2.31	SUH
Urine	Urine tellurium output	TE 2.31 (Calculation)	SUH
Whole blood/urine	Thallium	TE 2.32	SUH
Plasma/urine	Tin	TE 2.33	SUH
Plasma/whole blood/urine	Titanium	TE 2.34	SUH
Plasma/whole blood/urine	Tungsten	TE 2.35	SUH
Urine	Uranium	TE 2.36	SUH
Urine	Urine uranium/creatinine ratio	TE 2.36/AUM18 (Calculation)	SUH
Urine	Vanadium	TE 2.37	SUH



8483  
Accredited to  
ISO 15189:2022

**Schedule of Accreditation**  
issued by  
**United Kingdom Accreditation Service**  
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

**University Hospitals Southampton NHS Foundation Trust**

**Issue No: 013 Issue date: 27 April 2026**

**Testing performed by the Organisation at the locations specified**

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY FLUIDS: Serum/ Plasma unless otherwise specified (cont'd)	<u>Biochemistry examination activities for the purpose of clinical diagnosis</u> (cont'd)	Documented in house methods and manufacturer's instructions for	
	Quantification of: (cont'd)	Documented procedures and manufacturer's instructions for NexION ICP-MS with specific reference to:	
Plasma/urine	Zinc	TE 2.4 Copper and zinc in plasma TE 2.38 Zinc in urine	SUH
Urine	Urine zinc output	TE 2.38 (Calculation)	SUH
Whole blood / urine	Qualitative mass scan	TE 2.16	SUH
Faecal samples preserved in MAST patient sampling devices	Faecal Immunochemical Testing (FIT)	MAST OC-Sensor Pledia using latex agglutination immunoturbidity following: SBA 7.01	SUH
END			