


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <b>UKAS</b> MEDICAL 8826  Accredited to ISO 15189:2012	<b>Guy's and St. Thomas' NHS Foundation Trust</b>	
	Issue No: 006    Issue date: 28 September 2021	
	Department of Clinical Biochemistry Royal Brompton Hospital Sydney Street London SW3 6NP United Kingdom	Contact: Dr Jackie Donovan Tel: +44 (0)207 351 8418 E-Mail: j.donovan@rbht.nhs.uk Website: www.rbht.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
Royal Brompton Hospital Sydney Street London SW3 6NP	<b>Local contact</b> Nelesh Morjaria n.morjaria@rbht.nhs.uk	Clinical Biochemistry  RBH
Pathology Building Harefield Hospital Hill End Road Harefield UB9 6JH	<b>Local contact</b> Shazu Ahmed-Ali s.ahmed-ali@rbht.nhs.uk	Clinical Biochemistry  HH
Immunosuppression Monitoring Service Laboratory Heart Science Centre Harefield Hospital	<b>Local contact</b> Suzanne Diamond s.diamond@rbht.nhs.uk	Immunosuppression monitoring only  HHIMS



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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 (cont'd)	<u>Biochemistry examination activities for the purpose of clinical diagnosis</u>	Documented in house methods and manufacturer's instructions for	
	<u>General Chemistry / Toxicology/ Therapeutic drug monitoring:</u> Quantitative determination of:	Analysis using the following Beckman analysers based on measurement by turbidometry, colourimetry, ion-sensitive electrode, immunoassay and SOP. <b>SOPCB1170</b> - Beckman AU680 ISE, spectrophotometric and immunoassays at <b>RBH and HH</b> <b>SOPCB1157</b> - Beckman AU480, ISE, spectrophotometric and immunoassays at <b>HH</b>	
Serum, urine	Sodium	ISE SOPCB1170 (RBH)-AU680 SOPCB1157(HH)-AU480	RBH HH
Serum, urine	Potassium	ISE SOPCB1170 (RBH)-AU680 SOPCB1157(HH)-AU480	RBH HH
Serum, urine	Urea	Kinetic reaction with rate monitoring SOPCB1170 (RBH)-AU680 SOPCB1157(HH)-AU480	RBH HH
Serum, urine	Creatinine	Kinetic reaction with fixed point monitoring SOPCB1170 (RBH)-AU680 SOPCB1157(HH)-AU480	RBH HH
Serum	Estimated GFR	Calculated parameter from creatinine using MDRD SOPCB1170 (RBH)-AU680 SOPCB1157(HH)-AU480	RBH HH
Serum, CSF	Glucose	End point reaction SOPCB1170 (RBH)-AU680	RBH



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	<u>General Chemistry / Toxicology/ Therapeutic drug monitoring:</u> Quantitative determination of:	Analysis using the following Beckman analysers based on measurement by turbidometry, colourimetry, ion-sensitive electrode, immunoassay and SOP. <b>SOPCB1170-</b> Beckman AU680 ISE, spectrophotometric and immunoassays at <b>RBH and HH</b> <b>SOPCB1157</b> - Beckman AU480, ISE, spectrophotometric and immunoassays at <b>HH</b>	
Serum	Total CO <sub>2</sub> (bicarbonate)	Enzymatic reaction with fixed point monitoring SOPCB1170 (RBH)-AU680 SOPCB1157(HH)-AU480	RBH HH
Serum	Chloride	ISE SOPCB1170 (RBH)-AU680 SOPCB1157(HH)-AU480	RBH HH
Serum	Total bilirubin	End point reaction SOPCB1170 (RBH)-AU680 SOPCB1157(HH)-AU480	RBH HH
Serum	Direct bilirubin	End point reaction SOPCB1170 (RBH)-AU680 SOPCB1157(HH)-AU480	RBH HH
Serum	ALP	Rate reaction SOPCB1170 (RBH)-AU680 SOPCB1157(HH)-AU480	RBH HH
Serum	GGT	Rate reaction SOPCB1170 (RBH)-AU680 SOPCB1157(HH)-AU480	RBH HH
Serum	ALT	Rate reaction SOPCB1170 (RBH)-AU680 SOPCB1157(HH)-AU480	RBH HH



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	<u>General Chemistry / Toxicology/ Therapeutic drug monitoring:</u> Quantitative determination of:	Analysis using the following Beckman analysers based on measurement by turbidometry, colourimetry, ion-sensitive electrode, immunoassay and SOP. <b>SOPCB1170-</b> Beckman AU680 ISE, spectrophotometric and immunoassays at <b>RBH and HH</b> <b>SOPCB1157</b> - Beckman AU480, ISE, spectrophotometric and immunoassays at <b>HH</b>	
Serum	AST	Rate reaction SOPCB1170 (RBH)-AU680 SOPCB1157(HH)-AU480	RBH HH
Serum	Total protein	End point reaction SOPCB1170 (RBH)-AU680 SOPCB1157(HH)-AU480	RBH HH
CSF, urine	Protein	End point reaction SOPCB1170 (RBH)-AU680	RBH
Serum	Albumin	End point reaction SOPCB1170 (RBH)-AU680 SOPCB1157(HH)-AU480	RBH HH
Urine	Albumin	Turbidimetric SOPCB1170 (RBH)-AU680 SOPCB1157(HH)-AU480	RBH HH
Serum	Creatine kinase	Rate reaction SOPCB1170 (RBH)-AU680 SOPCB1157(HH)-AU480	RBH HH
Serum, urine	Calcium	End point reaction SOPCB1170 (RBH)-AU680 SOPCB1157(HH)-AU480	RBH HH



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Plasma	Ammonia	Rate reaction SOPCB1158 (RBH)	RBH
Serum	Inorganic phosphate	End point reaction SOPCB1170 (RBH)-AU680 SOPCB1157(HH)-AU480	RBH HH
Serum	Magnesium	End point reaction SOPCB1170 (RBH)-AU680 SOPCB1157(HH)-AU480	RBH HH
Serum	Amylase	Rate reaction SOPCB1170 (RBH)-AU680 SOPCB1157(HH)-AU480	RBH HH
Serum	CRP	Latex particle immunoturbidimetric SOPCB1170 (RBH)-AU680 SOPCB1157(HH)-AU480	RBH HH
Serum	Cholesterol	End point reaction SOPCB1170 (RBH)-AU680 SOPCB1157(HH)-AU480	RBH HH
Serum	HDL Cholesterol	End point reaction SOPCB1170 (RBH)-AU680 SOPCB1157(HH)-AU480	RBH HH



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Serum	Triglycerides	End point reaction SOPCB1170 (RBH)-AU680 SOPCB1157(HH)-AU480	RBH HH
Serum	LDL Cholesterol	Calculated parameter from total cholesterol, HDL cholesterol and triglyceride SOPCB1170 (AU680 - RBH&HH)	RBH HH
Serum	Lipoprotein (a)	Immunoturbidimetric SOPCB1157(HH)- AU480	HH
Serum	Urate	End point reaction SOPCB1170 (RBH)-AU680 SOPCB1157(HH)-AU480	RBH HH
Serum	ACE	Enzymatic FAPGG SOPCB1170 (RBH)-AU680 SOPCB1157(HH)-AU480	RBH
Serum	Lactate dehydrogenase	Rate Reaction SOPCB1170 (RBH)-AU680 SOPCB1157(HH)-AU480	RBH HH
Serum	Digoxin	Latex- enhanced immunoinhibition SOPCB1170 (RBH)-AU680	RBH



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Serum	Phenytoin	Homogeneous enzyme immunoassay – rate monitored SOPCB1170 (RBH)-AU680	RBH
Serum	Theophylline	Homogeneous enzyme immunoassay – rate monitored SOPCB1170 (RBH)-AU680	RBH
Serum	Amikacin	Homogeneous enzyme immunoassay – rate monitored SOPCB1170 (RBH)-AU680	RBH
Serum	Gentamicin	Homogeneous enzyme immunoassay – rate monitored SOPCB1170 (RBH)-AU680	RBH
Serum	Tobramycin	Homogeneous enzyme immunoassay – rate monitored SOPCB1170 (RBH)-AU680	RBH
Serum	Vancomycin	Homogeneous enzyme immunoassay – rate monitored SOPCB1170 (RBH)-AU680	RBH
Serum	Phenobarbitone	Homogeneous enzyme immunoassay – rate monitored SOPCB1170 (RBH)-AU680	RBH



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Serum	Immunoglobulin G	Immunoturbidimetric SOPCB1170 (RBH)-AU680	RBH
Serum	Immunoglobulin A	Immunoturbidimetric SOPCB1170 (RBH)-AU680	RBH
Serum	Immunoglobulin M	Immunoturbidimetric SOPCB1170 (RBH)-AU680	RBH
Serum	Complement C3	Immunoturbidimetric SOPCB1170 (RBH)-AU680	RBH
Serum	Complement C4	Immunoturbidimetric SOPCB1170 (RBH)-AU680	RBH
Serum	Alpha-1-Antitrypsin	Immunoturbidimetric SOPCB1170 (RBH)-AU680	RBH
Serum	Haptoglobin	Immunoturbidimetric SOPCB1170 (RBH)-AU680	RBH
Serum	Iron	End point reaction SOPCB1170 (RBH)-AU680 SOPCB1157(HH)-AU480	RBH HH
Serum	TIBC	Calculated parameter SOPCB1177 (rbh&hh)- AU680	RBH HH





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Serum	Transferrin	Immunoturbidimetric SOPCB1170 (RBH)-AU680 SOPCB1157(HH)-AU480	RBH HH
Serum	Apolipoprotein A1	Immunoturbidimetric SOPCB1114(HH)-AU480	HH
Serum	Apolipoprotein B	Immunoturbidimetric SOPCB1114(HH)-AU480	HH
Serum	Vitamin A	SOPCB1012- RBH using the Beckman Coulter system gold HPLC	RBH
Serum	Vitamin E	SOPCB1012- RBH using the Beckman Coulter system gold HPLC	RBH
Plasma and urine	Catecholamines	Kontron Instruments HPLC system with electrochemical detector SOPCB1073 (urine) SOPCB1074 (plasma)	RBH



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities for the purpose of clinical diagnosis (cont'd)</u>	Documented in-house procedures in conjunction with manufacturer's instructions	
	<u>Chromatography / Electrophoresis / other</u>		
Sweat	Chloride	Sherwood 962S chloride analyser using titrimetric method using silver nitrate reagent SOPCB1067	RBH
Whole blood	Glycated Hb	Ion exchange HPLC using Biorad D10 Haemoglobin A1c analyser SOPCB1013 (RBH) SOPCB0203(HH)	RBH HH
Serum, urine	Osmolality	Freezing point depression using Advanced Micro-osmometer model 3300 -SOPCB1153 (HH) model 3320 - SOPCB1008 (RBH)	RBH HH
Faeces	Faecal occult blood	oxidation of alpha guaiaconic acid to give blue colour using hemoccult kit SOPCB1014 (RBH) SOPCB0158(HH)	RBH HH



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities for the purpose of clinical diagnosis (cont'd)</u>	Documented in-house procedures in conjunction with manufacturer's instructions	
	<u>Immunochemistry</u> Quantitative determination of:		
Serum	CK-MB (mass)	Immunoassay using Beckman Access2 SOPCB1177 (HH)	HH
Serum	Free T4	Immunoassay using Beckman Access2 SOPCB1066 (RBH) SOPCB1114(HH)	RBH HH
Serum	TSH	Immunoassay using Beckman Access2 SOPCB1066 (RBH) SOPCB1114(HH)	RBH HH
Serum	Troponin I	Immunoassay using Beckman Access2 SOPCB1066 (RBH) SOPCB1114(HH)	RBH HH
Serum	Cortisol	Immunoassay using Beckman Access2 SOPCB1066 (RBH)	RBH



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	<u>Immunochemistry</u> Quantitative determination of:		
EDTA Plasma	BNP	Immunoassay using Beckman Access2 SOPCB1066 (RBH) SOPCB1114(HH)	RBH HH
Serum	PSA	Immunoassay using Beckman Access2 SOPCB1066 (RBH)	RBH
Serum	BHCG	Immunoassay using Beckman Access2 SOPCB1066 (RBH)	RBH
Serum	Total IgE	Immunoassay using Beckman Access2 SOPCB1066 (RBH)	RBH
Serum	Insulin	Immunoassay using Beckman Access2 SOPCB1066 (RBH)	RBH
Serum	ft3	Immunoassay using Beckman Access2 SOPCB1066 (RBH)	RBH
Serum	Ferritin	Immunoassay using Beckman Access2 SOPCB1066 (RBH) SOPCB1114(HH)	
Serum	Vitamin B12	Immunoassay using Beckman Access2 SOPCB1066 (RBH) SOPCB1114(HH)	RBH HH



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Serum	<u>Immunochemistry</u> Quantitative determination of:  Folate	Immunoassay using Beckman Access2 SOPCB1066 (RBH) SOPCB1114(HH)	RBH HH
EDTA Whole Blood	Ciclosporin Tacrolimus Sirolimus Everolimus	2D TurboFlow™ Prelude HPLC with TSQ Quantum Endura MS/MS detection or Transcend II HPLC with TSQ Quantum Discovery MS/MS detection SOPCB1186	HHIMS
END			