

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 9676 Accredited to ISO 15189:2012	University Hospitals Sussex NHS Foundation Trust	
	Issue No: 004 Issue date: 31 August 2023	
	Brighton and Sussex Biochemistry and Immunology Department The Royal Sussex County Hospital Adj Thomas Kemp Tower Eastern Road Brighton BN2 5BE United Kingdom	Contact: Liza Faustino Tel: +44 (0) 1273664664 E-Mail: liza.faustino@nhs.net Website: www.pathology.bsuh.nhs.uk/pathology/

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 Brighton and Sussex Biochemistry and Immunology Department The Royal Sussex County Hospital Adj Thomas Kemp Tower Eastern Road Brighton BN2 5BE	Local contact As above	Clinical Biochemistry including Fetal Anomaly Screening Programme Immunology	RSCH
Address Brighton and Sussex Biochemistry Department Princess Royal Hospital Lewes Rd Haywards Heath RH16 4EX	Local contact As above	Clinical Biochemistry	PRH



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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 Blood	<u>Biochemistry examination activities for the purposes of clinical diagnosis</u> Quantitative determination of: Urea Bicarbonate Total Bilirubin Direct Acting Bilirubin ALT ALP Total Protein Albumin Calcium Phosphate Magnesium Triglyceride Cholesterol HDL Cholesterol LDL Cholesterol Creatinine AST Uric Acid Amylase GGT CRP CK Glucose Lactate Ammonia Paracetamol Salicylate Creatinine Glycated Haemoglobin Lactate Dehydrogenase Vancomycin	Documented in house methods and manufacturers instructions for Roche Cobas: Roche Cobas c8000 Roche Cobas c6000 Using Roche Cobas Photometry method and procedures LPA-BAT-COBAS8000-RSCH on c701 LPB-BAT-COBAS6000-PRH c501 (Jaffe) (Enzymatic)	RSCH PRH



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities for the purposes of clinical diagnosis</u> (cont'd)	Documented in house methods and manufacturers instructions for Roche Cobas:	
Blood (cont'd)	Quantitative determination of: (cont'd)	Roche Cobas c8000 Roche Cobas c6000	RSCH PRH
	Gentamicin	Using Roche Cobas Photometry method and procedures	
	Phenytoin	LPA-BAT-COBAS8000-RSCH	RSCH
	Free Phenytoin	LPB-BAT-COBAS6000-PRH	RSCH
	Lithium	By calculation	RSCH
	Iron	c702	RSCH
	Transferrin	c702	RSCH
	Rhumatoid Factor	c702	RSCH
	Bile acids	c501	PRH
	Angiotensin converting enzyme	c501	PRH
	Ethanol	c702 c501	RSCH PRH
	Immunoglobulin A	c501	RSCH
	Immunoglobulin G	c501	RSCH
	Immunoglobulin M	c501	RSCH
	Digoxin	e801 e602	RSCH PRH
	Amikacin	c501	RSCH
	Tobramycin	c501	RSCH
	Theophylline	c501	RSCH
	Phenobarbitone	c501	RSCH
	Carbamazepine	c501	RSCH
		Roche Cobas Indirect ISE	RSCH PRH
	Sodium		
	Chloride		
	Potassium		



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities for the purposes of clinical diagnosis (cont'd)</u>	Documented in house methods and manufacturers instructions for Roche Cobas:	
Blood (cont'd)	Quantitative determination of: (cont'd)	Roche Cobas c8000 Roche Cobas c6000	RSCH PRH
	Troponin TSH FT4 FT3 Cortisol LH FSH Progesterone Prolactin Vitamin B12 Folate Ferritin Vitamin D Total PSA Free PSA %Free PSA HCG PTH BNP CTX AFP CA 12-5 CA 15-3 CA19-9 CEA AMH Human Growth Hormone	Chemiluminescent Immunoassay LPA-BAT-COBAS8000 RSCH-e801 LPB-BAT-COBAS6000-PRH-e602	RSCH PRH
		By calculation	RSCH



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities for the purposes of clinical diagnosis</u> (cont'd)	Documented in house methods and manufacturers instructions for Roche Cobas:	
		Roche Cobas c8000 Roche Cobas c8000	RSCH PRH
Blood	Quantitative determination of: Oestradiol Testosterone SHBG	Chemiluminescent Immunoassay LPA-BAT-COBAS8000-e801	RSCH
Urine	Free Testosterone	By calculation	
		Roche Cobas potentiometry, ion selective electrode (ISE), Photometry and immunoassay LPA-BAT-COBAS8000 LPB-BAT-COBAS8000	RSCH PRH
	Sodium Potassium Chloride Urea	C501 C702	PRH RSCH
	Creatinine	C501 C702	PRH RSCH
	Albumin	C501 C702	PRH RSCH
	Total protein	C501 C702	PRH RSCH
	Calcium	C501 C702	PRH RSCH
	Magnesium	C501 C702	PRH RSCH
	Phosphate	C501 C702	PRH RSCH
	Uric Acid	C501 C702	PRH RSCH



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities for the purposes of clinical diagnosis</u> (cont'd)	Documented in house methods and manufacturers instructions for Roche Cobas:	
Serum	LDL Cholesterol eGFR Adjusted/corrected Calcium Adjusted/corrected magnesium Anion gap Globulin	Roche Cobas c8000 Roche Cobas c8000 Friedwald Calculation MDRD2 Calculation By calculation By calculation By calculation By calculation	RSCH PRH RSCH PRH
Urine	Calcium output Phosphate output Sodium output Potassium output Uric acid output Oxalate output Citrate output	Calculated tests	RSCH PRH
Blood	Albumin/Creatine ratio Protein/Creatinine ratio Creatinine Clearance Calcium/Creatinine ratio Phosphate/Creatinine ratio Urate/Creatinine ratio		
CSF	Detection of: Glucose Protein Lactate	Roche Cobas Photometry c702 c501 LPA-BAT-COBAS8000 LPB-BAT-COBAS8000 c702 c501 c702 c501 c702 c501	RSCH PRH



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities for the purposes of clinical diagnosis</u> (cont'd)	Documented in house methods and manufacturers instructions for:	
Serum	Detection of specific proteins: Alpha-1-antitrypsin Caeruloplasmin C3 C4 Free Lambda Free Kappa	Immunoturbidimetry on Optilite binding site platform LPA-BSR-Optilite	RSCH
Urine	Detection of Opiates: Benzodiazapines Cocaine Metabolite Methadone Metabolite Cannabinoids Amphetamine/Ecstasy Creatinine	CEDIA- Immunoassay on INDIKO platform and procedures: LPA-BTX-TOXI	RSCH
Serum/Plasma/Urine	Osmolality	Advanced Micro-Osmometer Model 3320 using Freezing Point Depression (FPD) SOP - LPC-BAT-OSMO	RSCH PRH
Blood	Detection and Quantitation of Cyclosporin	Elecsys Competitive assay LIB-BIA-Cyclosporin c501	PRH
Serum	Detection and quantitation of Monoclonal bands	Helena Biosciences Densitometry SOP-LPA-BSR-SPE and Manufacturer's method using immunofixation SOP-LPA-BSR-FIX	RSCH



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities for the purposes of clinical diagnosis (cont'd)</u>	Documented in house methods and manufacturers instructions for:	
Urine	Bence Jones proteins (BJP)	Electrophoresis and immunofixation by gel electrophoresis using Helena gel kits and SOPs: LPA-BSR-FIX LPA-BSR-BJPHELENA)	RSCH
Renal stone	Renal Stone analysis	Thermo Scientific Fourier transformed IR spectroscopy Nicolet iS10 Analyser and Onmic software LPA-BSR-Stones	RSCH
CSF	Xanthochromia	Uvikon Spectrophotometry using NorthStar Scientific spectrophotometer and Bio-C UVIKON system SOP-LPC-BAT-XANTHO	RSCH PRH
Sweat	Sweat Conductivity Analysis	Sherwood Chloride analyser, Model 926S mk2 and the Conductivity meter - Wescor Sweat-Chek 3120 LPA-BSR-Sweat	RSCH
Sweat	Sweat Chloride analysis	Wescor Sweat-Chek Ion-Specific Electrode LPA-BSR-SWEAT	RSCH
Urine	Oxalate	Spectrophotometric method using Trinity Biotech enzymatic kit SOP-LPA-BSR-UOX	RSCH



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities for the purposes of clinical diagnosis</u> (cont'd)	Documented in house methods and manufacturers instructions for:	
Urine	Citrate	API 4000 (AB SCIEX) LC-MS-MS SOP-LPA-BSR-CIT	RSCH
Plasma	Homocysteine	API 4000 (AB SCIEX) LC-MS-MS SOP-LPA-BTX-THIOL	RSCH
Faeces	Calprotectin	Buhlmann Calprotectin ELISA kit on DS2 SOP-LPA-BSR-FCAL	RSCH
Urine	Porphobilinogen screen	Spectrophotometric method performed using BioRad kit and Uvikron spectrophotometer SOP LPA-BSR-UPBG	RSCH
Serum/Plasma	Quantitation of beta-hydroxybutyrate	Photometric kit by Stanbio SOP LPA-BTX-OHBUT	RSCH
Blood	Quantitation of Tacrolimus	Immunoassay ThermoScientific INDIKO analyser SOP LPA-BTX-TACRO	RSCH
Blood/urine	Detection and quantitation of pregabalin and gabapentin	LC-MS-MS using the API 4000. LPA-BTX-GABPRE	RSCH
Blood/urine	Confirmation of cannabinoids	LC-MS-MS using API 4000 SOP LPA-BTX-THCCONF	RSCH



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY FLUIDS (cont'd)	<u>Immunological examinations for the purpose of clinical diagnosis</u> Antinuclear antibodies Anti CCP Antibody Glomerular basement membrane antibodies Specific IgE allergens: House dust mite Grass pollen mix Tree pollen Cat epithelium and dander Dog dander Weed mix Mould mix Aspergillus fumigatus Feather mix Horse Dander Nut mix Cashew nut Walnut Pistachio nut Pecan nut Coconut Cow's milk Egg white (chicken) Fish mix Wheat Soya Crab Oyster Sesame Fruit mix (latex) Fruit mix (oral) Tomato Strawberry Peanut	Documented in house methods and manufacturers instructions for: (ELiA)-Enyme linked Immunoabsorbant assay using ImmunoCap 250 and procedures: SOP LPA-BIM-CTD LPA-BIM-CCP LPA-BIM-GBM Lla-BIM-Allergy list	RSCH



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HUMAN BODY FLUIDS (cont'd) Serum	<u>Immunological examinations for the purpose of clinical diagnosis</u> (cont'd) Specific IgE allergens: (cont'd) Cod Common foods mix Hazelnut Almond Brazil nut Shrimp Tuna Salmon Mussel (blue) Cocoa Yeast Orange Egg yolk Cheese Macadamia nut Pine nut Oat PruP3 Lobster Arah 2 Omega-5 gliadin Wasp venom Latex Penicillin V Penicillin G Amoxycillin	Documented in house methods and manufacturers instructions for: EliA-Enzyme linked Immunoabsorbant assay using ImmunoCap 250 Lia-BIM-Allergy list	RSCH



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HUMAN BODY FLUIDS (cont'd)	<u>Immunological examinations for the purpose of clinical diagnosis (cont'd)</u>	Documented in house methods and manufacturers instructions for:	
Serum	<p>Myeloperoxidase antibodies Proteinase 3 antibodies Cardiolipin IgM/IgG antibodies Anti DNA Antibody Anti TTG Antibody Anti GBM Antibody Anti ENA profile Antibody(Ro 52, Ro60, La, Sm, RNP, Scl-70) Anti ENA Screen</p> <p><u>Special Biochemical examination activities for the purpose of clinical diagnosis</u></p>	<p>Phadia 250. ELiA Enzyme linked immunosorbent assay. LPA-BIM-Phadia250ELIA</p>	RSCH
Urine, Blood	<p>Detection,confirmation and quantitation of a range of drugs:</p> <p>Morphine Codeine Monoacetylmorphine (6-MAM) Dihydrocodeine Methadone Cocaine Benzoylcegonine Alprazolam Chlordiazapoxide Chlorpheniramine Sildenafil Diazepam Desmethyldiazepam Temazepam Nitrazepam Zopiclone Lorazepam Zolpidem Amitriptyline Paroxetine</p>	<p>Documented in house methods and manufacturers instructions for:</p> <p>LC-MS-MS using the API 2000 and the API 4000. LIA-BTX-CORTOX, LIA-BTX-GENTMS, LPA-BTX-TOXI</p>	RSCH



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HUMAN BODY FLUIDS (cont'd)	<u>Special Biochemical examination activities for the purpose of clinical diagnosis</u> (cont'd)	Documented in house methods and manufacturers instructions for:	
Urine, Blood (cont'd)	Detection, confirmation and quantitation of a range of drugs (cont'd): Citalopram Paroxetine Citalopram Sertraline Dosulepin Venlafaxine Trazodone Duloxetine Mirtazepine Promethazine Risperidone Clozapine Quetiapine Noscipine Tramadol Fentanyl Paracetamol Ketamine Oxycodone Amphetamine Methamphetamine MDMA Olanzapine Propranolol Atenolol Amisulpride methiopropamine (MPA) methylphenidate Ethylphenidate (methylmethcathinone) mephedrone para-methoxyamphetamine (PMA) Para-methoxy-N-methylamphatamine (PMMA) Etizolam MDA	LC-MS-MS using the API 2000 and the API 4000. LIA-BTX-CORTOX, LIA-BTX-GENTMS, LPA-BTX-TOXI	RSCH



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HUMAN BODY FLUIDS (cont'd)	<u>Special Biochemical examination activities for the purpose of clinical diagnosis</u> (cont'd)	Documented in house methods and manufacturers instructions for:	RSCH
Serum/Plasma	First Trimester Downs Screening, Measurement of: PAPP-A Free β HCG	Documented -in-house methods to meet the requirements of the FASP screening programme as defined in the July 2018 'NHS FASP screening: laboratory QA evidence requirements Time-Resolved Amplified Cryptate Emission methodology provided by Thermo Scientific LPA-BIA-KRYPTOR	
END			