


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>UKAS MEDICAL</p> <p>8822</p> <p>Accredited to ISO 15189:2012</p>	<p>Bedfordshire Hospitals NHS Foundation Trust</p> <p>Issue No: 008 Issue date: 14 July 2021</p>	
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<p>Testing provided at the above address only</p>		

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY FLUIDS	<u>Biochemistry examination activities for the purpose of clinical diagnosis</u>	<u>In house documented methods incorporating manufacturers' instructions as required</u>
Serum/plasma	Sodium Potassium Chloride	Roche Cobas 8000 ISE Ion Selective Electrode BED-SOP-857
Serum/plasma	Bicarbonate	Roche Cobas 8000 c702 PEP enzymatic BED-SOP-857
	Creatinine GGT Urate Amylase Cholesterol HDL Cholesterol Triglyceride Lactate Paracetamol Alcohol "Ethanol"	Enzyme colorimetric assay BED-SOP-857
	Magnesium	CPZ 111 Colorimetric assay BED-SOP-857
	Lithium Calcium ALP	Colorimetric assay BED-SOP-857
	Iron	BED-SOP-857
	Bile Acids	Colorimetric assay (Alere reagent) BED-SOP-793



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities for the purpose of clinical diagnosis (cont'd)</u>	<u>In house documented methods incorporating manufacturers' instructions as required</u>
Serum/plasma	Total Bilirubin Conjugated Bilirubin	Roche Cobas 8000 c702 Diazo Colorimetric assay BED-SOP-857
	Total Protein	Biuret Colorimetric assay BED-SOP-857
	Albumin	BCP Colorimetric assay BED-SOP-857
	Glucose	Hexokinase colorimetric assay BED-SOP-857
	AST ALT Creatine Kinase LDH	NADH/NAD Kinetic assay BED-SOP-857
	Salicylate	Enzyme ADH assay BED-SOP-857
Serum/plasma	Vitamin D	Roche Cobas 8000 e602 Elecsys Competitive Binding BED-SOP-857
	Thyroid Stimulating Hormone IgE Ferritin Parathyroid Hormone Sex Hormone Binding Globulin Prostatic Surface Antigen Alpha-Fetoprotein (AFP) Beta HCG Troponin T Follicle Stimulating Hormone Luteinizing Hormone Prolactin	Elecsys Sandwich assay BED-SOP-903 BED-SOP-785 BED-SOP-857 BED-SOP-512 BED-SOP-857



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities for the purpose of clinical diagnosis (cont'd)</u>	<u>In house documented methods incorporating manufacturers' instructions as required</u>
Serum/plasma	Carcinoembryonic Antigen (CEA) CA 125 CA 19-9 CA 15-3 NT-pro BNP Macroprolactin	Roche Cobas 8000 e602 Elecsys Sandwich assay BED-SOP-517 BED-SOP-857 Elecsys Sandwich assay/PEG BED-SOP-509
Serum/plasma	Cortisol Free T4, Free T3 Vitamin B12 Serum Folate Testosterone Oestradiol Progesterone	Elecsys Competitive assay BED-SOP-511 BED-SOP-903 BED-SOP-857 BED-SOP-857
Serum/plasma	C Reactive Protein Transferrin Beta 2 Microglobulin eGFR ml/min/1.73m2	Roche Cobas 8000 c702 Turbidimetric assay BED-SOP-857 BED-SOP-857 BED-SOP-507 Calculation BED-SOP-857
Urine	Sodium Potassium Chloride	Roche Cobas 8000 ISE Ion Selective Electrode BED-SOP-857
Urine	Calcium Urate Amylase	Roche Cobas 8000 c702 Colorimetric assay BED-SOP-857 Enzymatic Colorimetric assay BED-SOP-857



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities for the purpose of clinical diagnosis (cont'd)</u>	<u>In house documented methods incorporating manufacturers' instructions as required</u>
Urine	Protein Microalbumin	Roche Cobas 8000 c702 Turbidimetric assay BED-SOP-467 BED-SOP-480
Serum/plasmaUrine	Urea	Urease kinetic BED-SOP-857
	Phosphate	Molybdate endpoint BED-SOP-857
	Creatinine	Jaffe BED-SOP-857
Fluid	Creatinine	Jaffe BED-SOP-857
	Amylase Triglycerides	Enzymatic Colorimetric assay BED-SOP-857
	Albumin	BCG Colorimetric assay BED-SOP-857
	Glucose	Hexokinase colorimetric assay BED-SOP-857
	Total Protein	Biuret colorimetric assay SOP: BED-SOP-857
CSF	Glucose	Hexokinase colorimetric assay BED-SOP-504
	Lactate	Colorimetric assay BED-SOP-504
Serum/plasma	IgM IgA IgG	Immunoturbidimetric assay BED-SOP-857



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities for the purpose of clinical diagnosis (cont'd)</u>	<u>In house documented methods incorporating manufacturers' instructions as required</u>
Serum/plasma	Phenytoin Phenobarbitone Carbamazepine Valproate Theophylline Gentamicin Vancomycin	Roche Cobas Integra 400 FPIA BED-SOP-752
	Digoxin	BED-SOP-468
	Complement C3 Complement C4	KIMS Turbidometric BED-SOP-752
	Ammonia	Immunoturbidimetric assay BED-SOP-1082
CSF	Total Protein	Enzyme colorimetric assay BED-SOP-857
		Turbidimetric BED-SOP-504



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities for the purpose of clinical diagnosis (cont'd)</u>	<u>In house documented methods incorporating manufacturers' instructions as required</u>
Serum Urine	Osmolality	Vitech Osmometer 3320 Freezing Point Depression BED-SOP-464
Faeces	Total Porphyrin Coproporphyrin I Coproporphyrin III % Coproporphyrin III Dicarboxylate Porphyrin	Varian HPLC system HPLC fractionation BED-SOP-529
Urine	Uroporphyrin I Uroporphyrin III Total Uroporphyrin (I+III) Heptacarboxylate Porphyrin Coproporphyrin I Coproporphyrin III	Varian HPLC system HPLC fractionation BED-SOP-529
Urine	5-Aminolaevulinic acid (ALA) Porphobilinogen (PBG)	Recipe urine ALA and PBG (Ion exchange Chromatography) BED-SOP-525
Urine Faeces	Total Porphyrin	Spectrophotometer Absorbance scan BED-SOP-524
Blood	Red Cell Free Protoporphyrin Red Cell Zinc Protoporphyrin Red Cell HMBS	Luminiscence Spectrophotometer scan BED-SOP-527 BED-SOP-528
Urine	Benzodiazepine screen Amphetamine screen Cannabinoids screen Opiates screen Cocaine screen	Chirus XPress reader Chromatographic Membrane immunoassay BED-SOP-465



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities for the purpose of clinical diagnosis (cont'd)</u>	<u>In house documented methods incorporating manufacturers' instructions as required</u>
Serum	Serum paraprotein detection	Sebia Hydrasys system Electrophoresis BED-SOP-475
Blood	Paraprotein type: IgG IgM IgA Kappa Lambda	Antigen/antibody reaction BED-SOP-476
Blood	Serum paraprotein quantitation	Electrophoresis scanner BED-SOP-475
Blood	pH pCO ₂ Sodium pO ₂ Carboxyhaemoglobin Methaemoglobin	Radiometer ABL90 FLEX blood gas analyser BED-SOP-1062 Potentiometry Potentiometry Potentiometry Optical phosphorescence Co-oximetry
	Actual bicarbonate Standard bicarbonate CO ₂ Content Base Excess Oxygen Saturation	Calculated from the above



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HUMAN BODY FLUIDS (cont'd)	<u>Serology examination activities for the purpose of clinical diagnosis</u>	<u>In house documented methods incorporating manufacturers' instructions as required</u>
Serum	Detection of: Hepatitis B antibody (immunity) Hepatitis B core total antibody (HBcT) Hepatitis C /Antibody	Roche Cobas 8000 e602 Elecsys Sandwich assay BED-SOP-857
Serum	HBsAg* HIV-1&2 Antibody & HIV-1 p24 Antigen* Syphilis IgG/IgM*	Documented-in-house methods to meet the requirements of the Infectious Diseases in Pregnancy Screening programme as defined in the July 2018 'Infectious Diseases in Pregnancy Screening: laboratory QA evidence requirements (targets marked *) Roche Cobas 8000 e602 Elecsys Sandwich assay BED-SOP-873 BED-SOP-146 BED-SOP-874
END		