


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>UKAS MEDICAL 8701</p> <p>Accredited to ISO 15189:2012</p>	<p>Barts Health NHS Trust as the host of NHS East and South East London Pathology Partnership</p> <p>Issue No: 012 Issue date: 11 January 2022</p>	
	<p>Biochemistry Department Pathology Department Homerton University Hospital Homerton Row London E9 6SR</p>	<p>Contact: Heather Dolphin Tel: +44 (0) 794 793 0392 E-Mail: heather.dolphin@nhs.net Website: www.homerton.nhs.uk</p>
<p>Testing performed 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 TISSUES AND BIOLOGICAL FLUIDS	<u>Biochemistry activities for the purpose of clinical diagnosis</u>	Documented in house methods and manufacturers instructions for
Serum (clotted blood) unless otherwise stated	<u>Immunochemistry and infectious serology</u>	Phadia Immucap P250 Sandwich ELFA detection
Serum	Anti-tissue Transglutaminase (Anti-tTG)	LP-BIO-P717-Anti-tTG assay by Phadia Unicap P250
Faeces	Calprotectin	LP-BIO-P713-Calprotectin assay by Phadia Unicap P250
Serum	Anti-Mullerian Hormone (AMH) Parathyroid Hormone (intact) Prolactin	Beckman Coulter Access2 using sandwich CMIA detection and AMH using sandwich ELISA detection LP-BIO-P470_Beckman Coulter Access2 Operational and maintenance procedures LP-BIO-P670_Beckman Coulter Access 2 assay information chart



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HUMAN TISSUES AND BIOLOGICAL FLUIDS (cont'd)	<u>Biochemistry activities for the purpose of clinical diagnosis (cont'd)</u>	Documented in house methods and manufacturers instructions for
Serum (clotted blood) unless otherwise stated (cont'd)	<u>Chromotography / Electrophoresis / other</u>	
Whole blood (lithium heparin)	Blood Gases (arterial/venous): pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl ⁻ , Ca ²⁺ , Haematocrit (PCV,) Glucose, Lactate, Total Bilirubin, Total Haemoglobin, Oxyhaemoglobin, Carboxyhaemoglobin, Methaemoglobin, Saturated Oxygen, Total Bicarbonate, Active Bicarbonate, Standard Bicarbonate, Base excess.	Potentiometric/ Amperometric/Blood conductivity/Co-oximetry LP-POC-P012-Operating the IL GEM 4000 Blood Gas Analyser
CSF	Haem pigments (Xanthochromia)	Bio-C UVIKON Scanning spectrophotometry LP-BIO-P716-Xanthochromia assay by NorthStar Bio-C UVIKON spectrophotometer
Serum , Urine	Osmolality	Micro-Osmometer 3320 Freezing point LP-BIO-P706_Osmolality assay by Advanced 3320 Microsmometer - Operations and procedures
Urine	Bence Jones Protein	SEBIA Capillarys Hydrasys & Hydrasys 2 Gel electrophoresis LP-BIO-P508 Urine Protein Electrophoresis by SEBIA Hydrasys®
Urine	Bence Jones Protein - Isotype confirmation	SEBIA Capillarys Hydrasys & Hydrasys 2 Gel electrophoresis with immunofixation LP-BIO-P506 Urine Bence Jones Protein Immunofixation by SEBIA Hydrasys®



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Serum (clotted blood) unless otherwise stated (cont'd)	<u>Chromotography / Electrophoresis / other (cont'd)</u>	
Whole blood (K ⁺ EDTA)	Haemaglobin A1c (HbA1c)	SEBIA Capillarys Flex 2 Capillary Zone Electrophoresis LP-BIO-P567-Sebia Capillarys HbA1c Detailed procedure
Serum	Serum protein electrophoresis: Paraprotein identification and quantitation of main protein fractions (albumin, alpha 1, alpha-2, , beta-1, beta-2, gamma fractions)	SEBIA Capillarys Flex 2 Capillary Zone Electrophoresis LP-BIO-P502-Serum Electrophoresis by SEBIA Capillarys
Serum	Serum protein electrophoresis - Isotype confirmation Serum paraprotein identification and quantitation	SEBIA Capillarys Flex 2/ Hydrasys & Hydrasys 2 LP-BIO-P510 Serum Immunotyping by SEBIA Capillarys®
Serum	Alkaline phosphatase isoenzymes (APIS)	SEBIA Capillarys Hydrasys & Hydrasys 2 Gel electrophoresis LP-BIO-P505 Alkaline Phosphatase Isoenzymes by Sebia HYDRASYS
Serum	Carbohydrate-Deficient Transferrin (CDT)	SEBIA Capillarys Flex 2 Capillary Zone Electrophoresis LP-BIO-P561-Serum CDT by Capillarys FLEX



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Serum (clotted blood) unless otherwise stated (cont'd)	<u>General Chemistry / Toxicology/ Therapeutic drug monitoring</u>	Abbott Architect ci16200 LP-BIO-P400 - Abbott Architect ci8200 Operational and Routine Maintenance procedures. LP-BIO-P460_Abbott Architect assay information chart in accordance with manufacturer's instructions.
Serum, urine	Albumin	Photometric detection for serum sample, Immunoturbidimetric detection for urine sample
Serum	Alanine aminotransferase (ALT) Alkaline Phosphatase (ALP) Alpha-1-antitrypsin (A1AT) Amikacin	Photometric detection Photometric detection Immunoturbidimetric detection Immunoturbidimetric detection
Plasma (lithium heparin) Serum	Ammonia Angiotensin Converting Enzyme (ACE)	Photometric detection Photometric detection using third party assay from Buhlmann kinetic
Serum, urine Serum	Amylase Aspartate aminotransferase (AST) Bicarbonate	Photometric detection Photometric detection Photometric detection
Serum	Bile Acids Bilirubin Direct Bilirubin Total β -2 Microglobulin (β 2M)	Photometric detection Photometric detection Photometric detection Immunoturbidimetric detection
Serum, urine Serum	Caeruloplasmin Calcium Carbamazepine	Immunoturbidimetric detection Photometric detection Immunoturbidimetric detection
Serum, urine Serum	Cholesterol (HDL) Cholesterol (Total) Creatinine Creatinine Kinase (CK)	Photometric detection Photometric detection Enzymatic Photometric detection Photometric detection
	C-Reactive Protein C3 Complement C4 Complement	Immunoturbidimetric detection Immunoturbidimetric detection Immunoturbidimetric detection
Plasma (fluoride oxalate) Serum	Digoxin Ethanol Fructosamine Gentamicin Gamma-Glutamyl aminotransferase (GGT)	Immunoturbidimetric detection Photometric detection Photometric detection Immunoturbidimetric detection Photometric detection



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Serum (clotted blood) unless otherwise stated (cont'd)	<u>General Chemistry / Toxicology/ Therapeutic drug monitoring (cont'd)</u>	Abbott Architect ci16200 LP-BIO-P400 - Abbott Architect ci8200 Operational and Routine Maintenance procedures. LP-BIO-P460_Abbott Architect assay information chart in accordance with manufacturer's instructions.
Plasma (fluoride oxalate)	Glucose	Photometric detection
CSF(fluoride oxalate)	Glucose	Photometric detection
Serum	Haptoglobin	Immunoturbidimetric detection
	Immunoglobulin A	Immunoturbidimetric detection
	Immunoglobulin G	Immunoturbidimetric detection
	Immunoglobulin M	Immunoturbidimetric detection
	Iron	Photometric detection
	Lactate Dehydrogenase (LDH)	Photometric detection
Plasma (fluoride oxalate)	Lactate	Photometric detection
CSF (fluoride oxalate)	Lactate	Photometric detection
Serum	Lithium	Photometric detection (third party-ThermoFisher)
Serum, urine	Magnesium	Photometric detection
Serum	Paracetamol	Photometric detection (third party-Cambridge Bioscience)
	Phenobarbitone	Immunoturbidimetric detection
	Phenytoin	Enzyme Immunoassay detection
Serum, urine	Phosphate	Photometric detection
Serum	Prealbumin (Transthyretin)	Immunoturbidimetric detection
	PSA (Prostate Specific Antigen)	Sandwich CMIA
	Rheumatoid Factor (RF)	Immunoturbidimetric detection
	Salicylate	Photometric detection (third party-Cambridge Bioscience)
Serum, urine	Sodium/ Potassium/	Indirect ISE (Ion Selective Electrode)
Serum	Chloride	Indirect ISE (Ion Selective Electrode)
	Theophylline	Enzyme Immunoassay detection
Serum/CSF	Total Protein	Photometric detection
	Transferrin	Immunoturbidimetric detection
	Triglycerides (total)	Photometric detection
Serum, Urine,	Urate	Photometric detection
Serum, urine	Urea	Photometric detection



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Serum (clotted blood) unless otherwise stated (cont'd)	<u>General Chemistry / Toxicology/ Therapeutic drug monitoring (cont'd)</u>	Abbott Architect ci16200 LP-BIO-P400 - Abbott Architect ci8200 Operational and Routine Maintenance procedures. LP-BIO-P460_Abbott Architect assay information chart in accordance with manufacturer's instructions.
Urine	Urine Protein	Turbidimetric detection
Serum	Valproate	Immunoturbidimetric detection
	Vancomycin	Immunoturbidimetric detection
Serum	Alphafoetoprotein (AFP)	Sandwich CMIA detection
Serum	Total β -human Chorionic Gonadotrophin (β -hCG)	Sandwich CMIA detection
Serum	Carbohydrate Antigen 12-5 (CA 12-5)	Sandwich CMIA detection
Serum	Carbohydrate Antigen 153 (CA 153)	Sandwich CMIA detection
Serum	Carbohydrate Antigen 19-9 (CA 19-9)	Sandwich CMIA detection
Serum	Carcinoembryonic Antigen (CEA)	Sandwich CMIA detection
Serum	Cortisol	Sandwich CMIA detection
Serum	Dihydroandrostedione sulphate (DHEA-S)	Sandwich CMIA detection
Serum	Oestradiol	Sandwich CMIA detection
Serum	Ferritin	Sandwich CMIA detection
Serum	Folate	Sandwich CMIA detection
Serum	Follicle Stimulating Hormone (FSH)	Sandwich CMIA detection



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Serum (clotted blood) unless otherwise stated (cont'd)	<u>General Chemistry / Toxicology/ Therapeutic drug monitoring (cont'd)</u>	Abbott Architect ci16200 LP-BIO-P400 - Abbott Architect ci8200 Operational and Routine Maintenance procedures. LP-BIO-P460_Abbott Architect assay information chart in accordance with manufacturer's instructions.
Serum	Free Triiodothyronine (FT3)	Sandwich CMIA detection
Serum	Free Thyroxine (FT4)	Competitive CMIA detection
Serum	Leutinsing Hormone (LH)	Sandwich CMIA detection
Serum	Progesterone	Sandwich CMIA detection
Serum	Sex Hormone Binding Globulin	Sandwich CMIA detection
Serum	Testosterone	Sandwich CMIA detection
Serum	Thyroid Stimulating Hormone (TSH)	Sandwich CMIA detection
Serum	Troponin I (High Sensitive)	Sandwich CMIA detection
Serum	Vitamin B12 (Total)	Sandwich CMIA detection
Serum	Anti-cyclic citrinullated peptide (CCP)	Sandwich CMIA detection
Serum	Anti-Thyroid Peroxidase antibody (TPO)	Sandwich CMIA detection
Serum	C-Peptide	Sandwich CMIA detection
Serum	Holotranscobalamin (active B12)	Sandwich CMIA detection
Serum	Vitamin D (total)	Sandwich CMIA detection
END		