


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <p><b>UKAS</b> MEDICAL</p> <p><b>8817</b></p> <p>Accredited to ISO 15189:2012</p>	<p align="center"><b>Dartford and Gravesham NHS Trust</b></p> <p align="center"><b>Issue No: 010    Issue date: 25 November 2024</b></p>	
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**Testing performed at the above address only**

### DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
<p>HUMAN BODY FLUIDS</p>     <p>Serum</p> <p>Plasma</p> <p>Plasma</p> <p>Serum</p>	<p><u>Biochemistry examination activities for the purpose of clinical diagnosis</u></p> <p>Quantification of:</p> <p>Cortisol</p> <p>PTH</p> <p>Troponin I</p> <p>Vitamin D</p> <p>FSH</p> <p>HCG</p> <p>LH</p> <p>Progesterone</p> <p>Prolactin</p> <p>Testosterone</p> <p>Free T3</p> <p>Free T4</p> <p>TPO</p> <p>TSH</p> <p>AFP</p> <p>CA125</p> <p>CA 19-9</p> <p>CEA</p> <p>PSA</p> <p>CA153</p> <p>Oestradiol</p> <p>Vitamin B12</p>	<p>Documented in-house procedure SOP BIO 1 in conjunction with manufacturers instructions for analysis using Beckman Coulter UniCel DXI 800.</p> <p>1-step competitive immunoassay</p> <p>1-step sandwich immunoassay</p> <p>2-site immunoenzymatic sandwich assay</p> <p>2-step competitive binding immunoenzymatic assay</p> <p>2-step sandwich immunoassay</p> <p>Sequential 2-step immunoenzymatic sandwich assay.</p> <p>2-step sandwich immunoassay</p> <p>1-step competitive immunoassay</p> <p>1-step sandwich immunoassay</p> <p>1-step competitive immunoassay</p> <p>2-step competitive immunoassay</p> <p>2-step competitive immunoassay</p> <p>2-step sandwich immunoassay</p> <p>1-step sandwich immunoassay</p> <p>1-step sandwich immunoassay</p> <p>1-step sandwich immunoassay</p> <p>2-step sandwich immunoassay</p> <p>2-step sandwich immunoassay</p> <p>1-step sandwich immunoassay</p> <p>2-step sandwich immunoassay</p> <p>2-step competitive immunoassay</p> <p>Competitive Binding</p> <p>Immunoenzymatic assay</p>



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HUMAN BODY FLUIDS (Cont'd)	<u>Biochemistry examination activities for the purpose of clinical diagnosis (Cont'd)</u>	
Serum (Cont'd)	Folate Ferritin  Sex Hormone Binding Globulin	Competitive Binding Receptor Two site immunoenzymatic sandwich assay Two site immunoenzymatic sandwich assay
Plasma	BNP	Two site immunoenzymatic sandwich assay  Documented in-house procedure SOP BIO 1 in conjunction with manufacturers instructions for analysis using Beckman Coulter UniCel DXI 800.
Serum	Procalcitonin  Anti-mullerian hormone (AMH)	chemiluminescent immunoassay  chemiluminescent immunoassay  Documented in-house procedure SOP BIO 28 in conjunction with manufacturers instructions for analysis using Roche E411 electrochemiluminescence assay (ECLIA)
Serum	Placental growth factor (PIGF)	
Serum	Soluble fms-like tyrosine kinase-1 (sFlt-1)	



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities for the purpose of clinical diagnosis</u> (cont'd)	
	Quantification of:	Documented in-house procedure SOP BIO 2 in conjunction with manufacturers instructions for analysis using Beckman Coulter Olympus AU5800. Measurement by Ion-Specific Electrode, Colorimetry, Turbidimetry, latex agglutination, homogeneous EIA, Immunoturbidimetric..
Serum /Urine	Potassium Chloride Sodium	
CSF/Plasma	Glucose	
CSF/Urine	Protein	



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Serum/Urine	Uric Acid Urea Creatinine: Jaffé method Amylase	
Serum	LDH	
Serum/Urine	Calcium Magnesium Phosphate	
CSF	Lactate	
Plasma	Ammonia	
Serum	ALP AST CK Gamma GT ALT Total bilirubin Serum Iron HDL Cholesterol Beta-2-Microglobulin (B2M)	
Urine	Albumin	



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities for the purpose of clinical diagnosis</u> (cont'd)	Documented in-house procedure SOP BIO 2 in conjunction with manufacturers instructions for analysis using Beckman Coulter Olympus AU5800 Measurement techniques as above
Serum (cont'd)	Total protein Triglyceride Bicarbonate (CO <sub>2</sub> ) Cholesterol Direct bilirubin Albumin Transferrin Serum bile acids C3 C4 Serum IgA Serum IgG Serum IgM C-Reactive protein Digoxin  Paracetamol Salicylate  Lithium  Therapeutic drug monitoring:	
Serum	Carbamazepine Gentamicin Phenytoin Theophylline Valproate Vancomycin Alcohol	Documented in-house procedure SOP BIO 2 in conjunction with manufacturers instructions for analysis using Beckman Coulter Olympus AU5800 using enzyme multiplied immunoassay
Plasma		



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities for the purpose of clinical diagnosis</u> (cont'd)	Documented in-house procedure SOP BIO 2 in conjunction with manufacturers instructions for analysis using Beckman Coulter Olympus AU5800 Measurement techniques as above
Serum	Estimated Glomerular Filtration Rate LDL Cholesterol Non-HDL Cholesterol Protein: Creatinine Ratio Free Testosterone	Calculated tests: SOP BIO 2
Serum	Total globulin	
Serum	Transferrin saturation percentage	
Serum	Adjusted calcium	
Urine	Albumin:Creatinine Ratio	
Urine / Serum	Creatinine Clearance	
Urine	Acute Kidney Injury (AKI)	
Serum	sFlt-1/PIGF ratio	



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities for the purpose of clinical diagnosis</u> (cont'd)	
Urine	Bence Jones protein confirmation and typing	Urine Immunofixation using Sebia Hydrasys and Sebia Hydragel Bence Jones Kit. Zone electrophoresis method SOP SOP.BIO.38
Serum	Paraprotein bands identification and classification	Serum Immunofixation using Sebia Hydrasys and Sebia Hydragel 4 IF kit. Zone electrophoresis method SOP.BIO.14
Serum	Protein abnormalities screening	Serum electrophoresis using Sebia Capillarys 2 and Sebia capillary protein (E). Capillary electrophoresis method. SOP.BIO.13
Blood	HbA1c	Tosoh Automated Glycohemoglobin G11 SOP: BIO.19
Urine	Measurement of pH	Hanna pH meter. SOP.BIO.8
CSF	Xanthochromia	NorthStar Uvikon XS Analyser, Spectrophotometry SOP: BIO.15



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities for the purpose of clinical diagnosis</u> (cont'd)	
Urine/Serum	Osmolality	Vitech Advanced Micro Osmometer Osmo1 Freezing point depression osmometry SOP.BIO.37
Urine	24hr urine weight measurement	Weight measurement SOP BIO 2
END		