


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <b>8817</b>  Accredited to ISO 15189:2012	<b>Dartford and Gravesham NHS Trust</b>  <b>Issue No: 011   Issue date: 17 July 2025</b>	
	<b>Department of Chemical Pathology</b> <b>3<sup>rd</sup> Floor Pathology Directorate</b> <b>Darent Valley Hospital</b> <b>Darenth Wood Road</b> <b>Dartford</b> <b>Kent</b> <b>DA2 8DA</b>	<b>Contact: Tracy Wynn</b> <b>Tel: +44 (0) 1322 428100</b> <b>E-Mail: <a href="mailto:tracy.wynn@nhs.net">tracy.wynn@nhs.net</a></b> <b>Website: <a href="http://www.dvh.nhs.uk">http://www.dvh.nhs.uk</a></b>

**Testing performed by the Organisation at the locations specified below**

### Locations covered by the organisation and their relevant activities

Location details		Activity	Location code
<b>Address</b> Department of Chemical Pathology 3 <sup>rd</sup> floor Pathology Directorate Darent Valley Hospital Darenth Wood Road Dartford Kent DA2 8DA	<b>Local contact</b> <b>As above</b>	Routine Chemistry	DVH
<b>Address</b> Department of Chemical Pathology Medway Maritime Hospital Windmill Road Gillingham Kent ME7 5NY	<b>Local contact</b> <b>As above</b>	Routine Chemistry Foetal anomaly screening – sample analysis only	MMH



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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	<u>Biochemistry examination activities for the purpose of clinical diagnosis</u>		
	Quantification of:	Documented in-house procedure SOP BIO 1 in conjunction with manufacturers instructions for analysis using Beckman Coulter UniCel DXI 800.	DVH
Serum	Cortisol	1-step competitive immunoassay	DVH
Plasma	PTH	1-step sandwich immunoassay	DVH
Plasma	Troponin I	2-site immunoenzymatic sandwich assay	DVH
Serum	Vitamin D	2-step competitive binding immunoenzymatic assay	DVH
Serum	FSH	2-step sandwich immunoassay	DVH
Serum	HCG	Sequential 2-step immunoenzymatic sandwich assay	DVH
Serum	LH	2-step sandwich immunoassay	DVH
Serum	Progesterone	1-step competitive immunoassay	DVH
Serum	Prolactin	1-step sandwich immunoassay	DVH
Serum	Testosterone	1-step competitive immunoassay	DVH
Serum	Free T3	2-step competitive immunoassay	DVH
Serum	Free T4	2-step competitive immunoassay	DVH
Serum	TPO	2-step sandwich immunoassay	DVH
Serum	TSH	1-step sandwich immunoassay	DVH
Serum	AFP	1-step sandwich immunoassay	DVH
Serum	CA125	1-step sandwich immunoassay	DVH
Serum	CA 19-9	2-step sandwich immunoassay	DVH



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HUMAN BODY FLUIDS	<u>Biochemistry examination activities for the purpose of clinical diagnosis</u>		
	Quantification of:	Documented in-house procedure SOP BIO 1 in conjunction with manufacturers instructions for analysis using Beckman Coulter UniCel DXI 800.	DVH
Serum	CEA	2-step sandwich immunoassay	DVH
Serum	PSA	1-step sandwich immunoassay	DVH
Serum	CA153	2-step sandwich immunoassay	DVH
Serum	Oestradiol	2-step competitive immunoassay	DVH
Serum	Vitamin B12	Competitive Binding Immunoenzymatic assay	DVH
Serum (Cont'd)	Folate	Competitive Binding Receptor	DVH
Serum	Ferritin	Two site immunoenzymatic sandwich assay	DVH
Serum	Sex Hormone Binding Globulin	Two site immunoenzymatic sandwich assay	DVH
Plasma	BNP	Two site immunoenzymatic sandwich assay	DVH
		Documented in-house procedure SOP BIO 1 in conjunction with manufacturers instructions for analysis using Beckman Coulter UniCel DXI 800.	
Serum	Procalcitonin	chemiluminescent immunoassay	DVH
Serum	Anti-mullerian hormone (AMH)	chemiluminescent immunoassay	DVH
		Documented in-house procedure SOP BIO 28 in conjunction with manufacturers instructions for analysis using Roche E411 electrochemiluminescence assay (ECLIA)	DVH
Serum	Placental growth factor (PIGF)		DVH



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HUMAN BODY FLUIDS	<u>Biochemistry examination activities for the purpose of clinical diagnosis</u>		
Serum	Soluble fms-like tyrosine kinase-1 (sFlt-1)	Documented in-house procedure SOP BIO 28 in conjunction with manufacturers instructions for analysis using Roche E411 electrochemiluminescence assay (ECLIA)	DVH
	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..	DVH
Serum, Urine	Potassium		DVH
Serum, Urine	Chloride		DVH
Serum, Urine	Sodium		DVH
CSF, Plasma	Glucose		DVH
CSF, Urine	Protein		DVH
		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	Uric Acid		DVH
Urine	Urea		DVH
Urine	Creatinine: Jaffé method		DVH
Serum	Amylase		DVH
Serum	LDH		DVH



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HUMAN BODY FLUIDS	<u>Biochemistry examination activities for the purpose of clinical diagnosis</u>	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	Calcium		DVH
Serum, Urine	Magnesium		DVH
Serum, Urine	Phosphate		DVH
Serum	Lactate		DVH
Plasma	Ammonia		DVH
Serum	ALP		DVH
Serum	AST		DVH
Serum	CK		DVH
Serum	Gamma GT		DVH
Serum	ALT		DVH
Serum	Total bilirubin		DVH
Serum	Serum Iron		DVH
Serum	HDL Cholesterol		DVH
Serum	Beta-2-Microglobulin (B2M)		DVH
Urine	Albumin		DVH
Serum	Total protein		DVH
Serum	Triglyceride		DVH
Serum	Bicarbonate (CO2)		DVH
Serum	Cholesterol		DVH
Serum	Direct bilirubin		DVH
Serum	Albumin		DVH
Serum	Transferrin		DVH
Serum	Serum bile acids		DVH
Serum	C3		DVH
Serum	C4		DVH
Serum	Serum IgA		DVH
Serum	Serum IgG		DVH
Serum	Serum IgM		DVH
Serum	C-Reactive protein		DVH
Serum	Digoxin		DVH



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HUMAN BODY FLUIDS	<u>Biochemistry examination activities for the purpose of clinical diagnosis</u>	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	Paracetamol		DVH
Serum	Salicylate		DVH
Serum	Lithium		DVH
Serum	Therapeutic drug monitoring:	Documented in-house procedure SOP BIO 2 in conjunction with manufacturers instructions for analysis using Beckman Coulter Olympus AU5800 using enzyme multiplied immunoassay	
Serum	Therapeutic drug monitoring:		DVH
Serum	Carbamazapine		DVH
Serum	Gentamicin		DVH
Serum	Phenytoin		DVH
Serum	Theophylline		DVH
Serum	Valproate		DVH
Serum	Vancomycin		DVH
Plasma	Alcohol		DVH
		Calculated tests: SOP BIO 2	DVH
Serum	Estimated Glomerular Filtration Rate		DVH
Serum	LDL Cholesterol		DVH
Serum	Non-HDL Cholesterol		DVH
Serum	Protein: Creatinine Ratio		DVH
Serum	Free Testosterone		DVH
Serum	Total globulin		DVH
Serum	Transferrin saturation percentage		DVH
Serum	Adjusted calcium		DVH
Urine	Albumin:Creatinine Ratio		DVH
Urine, Serum	Creatinine Clearance		DVH



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HUMAN BODY FLUIDS	<u>Biochemistry examination activities for the purpose of clinical diagnosis</u>		
Urine	Acute Kidney Injury (AKI)	Calculated tests: SOP BIO 2	DVH
Serum	sFlt-1/PIGF ratio		DVH
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	DVH
Serum	Paraprotein bands identification and classification	Serum Immunofixation using Sebia Hydrasys and Sebia Hydragel 4 IF kit. Zone electrophoresis method SOP.BIO.14	DVH
Serum	Protein abnormalities screening	Serum electrophoresis using Sebia Capillarys 2 and Sebia capillarys protein (E). Capillary electrophoresis method. SOP.BIO.13	DVH
Blood	HbA1c	Tosoh Automated Glycohemoglobin G11 SOP: BIO.19	DVH
Urine	Measurement of pH	Hanna pH meter. SOP.BIO.8	DVH
CSF	Xanthochromia	NorthStar Uvikon XS Analyser, Spectrophotometry SOP: BIO.15	DVH
Urine/Serum	Osmolality	Vitech Advanced Micro Osmometer Osmo1 Freezing point depression osmometry SOP.BIO.37	DVH
Urine	24hr urine weight measurement	Weight measurement SOP BIO 2	DVH



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HUMAN BODY FLUIDS	<u>Biochemistry examination activities for the purpose of clinical diagnosis</u>	Access 2 Immunoassay system SOP.BIO.16 with the following measuring principles	MMH
Serum	HS Troponin	2-step immunoenzymatic sandwich assay	MMH
Serum	β-hCG	2-step immunoenzymatic sandwich assay	MMH
Serum	Cortisol	Competitive binding immunoenzymatic assay	MMH
Plasma	PTH	2-site immunoenzymatic sandwich assay	MMH
Plasma	Intra-operative PTH	2-site immunoenzymatic sandwich assay	MMH
Serum	Progesterone	Competitive binding immunoenzymatic assay	MMH
Serum	Ferritin	2-site immunoenzymatic sandwich assay	MMH
Plasma	BNP	2-site immunoenzymatic sandwich assay	MMH
Serum	Procalcitonin	2-site immunoenzymatic sandwich assay	MMH
Serum	Anti Mullerian Hormone	2-site immunoenzymatic sandwich assay	MMH





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HUMAN BODY FLUIDS	<u>Biochemistry examination activities for the purpose of clinical diagnosis</u>	AU680 chemistry analyser SOP.BIO.17 with the following measuring principles	
Serum	Acetaminophen	EMT	MMH
Serum	Albumin	EMT	MMH
Serum	ALP	Kinetic colour	MMH
Serum	ALT	Kinetic UV	MMH
Plasma	Ammonia	Direct enzymatic	MMH
Serum	Amylase	Kinetic colour	MMH
Serum	Bicarbonate	Enzymatic	MMH
Serum	hsCRP	Immunoturbidometric	MMH
Serum	Conjugated bilirubin	Photometric colour	MMH
Serum	Calcium	Photometric colour	MMH
Serum	Chloride	ISE	MMH
Serum	Creatinine	Kinetic colour	MMH
Serum	Creatinine kinase	Kinetic UV	MMH
Serum	Gentamicin	EMIT	MMH
Plasma	Glucose	Enzymatic UV	MMH
Plasma	Lactate	Enzymatic colour	MMH
Serum	LDH	Kinetic UV	MMH
Serum	Magnesium	Photometric colour	MMH
Serum	Potassium	ISE	MMH
Serum	Phosphate	Photometric UV	MMH
Serum	Salicylate	EMIT	MMH
Serum	Sodium	ISE	MMH
Serum	Total bilirubin	Photometric colour	MMH
Serum	Urea	Kinetic UV	MMH
Serum	Uric acid	Enzymatic colour	MMH
Serum	Vancomycin	EMIT	MMH
CSF	CSF protein	Photometric colour	MMH



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HUMAN BODY FLUIDS	<u>Biochemistry examination activities for the purpose of clinical diagnosis</u>	AU680 chemistry analyser SOP.BIO.17 with the following measuring principles Enzymatic UV Photometric colour	
CSF	CSF glucose	ISE	MMH
Urine	Urine protein	ISE	MMH
Urine	Urine sodium	ISE	MMH
Urine	Urine potassium	ISE	MMH
Urine	Urine chloride	ISE	MMH
Urine	Urine creatinine	Kinetic colour	MMH
		Calculated tests SOP.BIO.2	
Urine	Corrected calcium		MMH
Urine	eGFR		MMH
Urine	AKI		MMH
Urine	Urine protein/creatinine ratio		MMH
Urine	Creatinine clearance		MMH
Sweat	Sweat chloride analysis	M926S chloride analyser (Sherwood Scientific) Argentometry/titration SOP.BIO.32	MMH
Serum, plasma	Osmolality	Advanced Micro Osmometer 3300 (Vitech) Freezing point depression SOP.BIO.53	MMH
		Documented in-house methods to meet the requirements of the Fetal Anomaly Screening Programme (FASP) as defined in the Laboratory QC evidence requirements (relevant tests marked with *) Delfia Xpress (Perkin Elmer) using 2-site fluorometric sandwich assay SOP.BIO.24	
Serum	Free-βhCG*		MMH
Serum	PAPP-A*		MMH
END			