


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <b>Accredited to ISO 15189:2022</b>	<b>HSL (Analytics) LLP</b> <b>Issue No: 010 Issue date: 15 April 2025</b>	
	<b>Chemical Pathology</b> <b>West Hertfordshire Hospitals NHS Trust</b> <b>Watford General Hospital</b> <b>Vicarage Road</b> <b>Watford</b> <b>Hertfordshire</b> <b>WD18 0HB</b>	<b>Contact: Andrew Clarke</b> <b>Tel: +44 (0) 020 7307 7342</b> <b>E-Mail: Andrew.Clarke@hslpathology.com</b> <b>Website: www.hslpathology.com</b>

**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
<b>Address:</b> Chemical Pathology Watford General Hospital Vicarage Road Watford Hertfordshire WD18 0HB  <b>Local contact:</b> Mary Ann Lagyop	Clinical Biochemistry	WGH
Chemical Pathology Pathology Department Hemel Hempstead Hospital Hillfield Road Hemel Hempstead Hertfordshire HP2 4AD  Mary Ann Lagyop	Clinical Biochemistry	HHH



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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>	<u>In house documented methods incorporating manufacturers' instructions as required</u>	
	<u>Automated Clinical Chemistry-Immunoassay</u>	Siemens Atellica using chemiluminometric assay SOP: CPSOPLABCLIN70	WGH
Serum	AFP (Alpha-Foetoprotein)	CPSOPLABCLIN71	WGH
Serum	Vitamin B12	CPSOPLABCLIN95	WGH
Serum	CA125	CPSOPLABCLIN74	WGH
Serum	CA 19-9	CPSOPLABCLIN93	WGH
Serum	CEA (Carcinoembryonic Antigen)	CPSOPLABCLIN75	WGH
Serum	Cortisol	CPSOPLABCLIN76	WGH
Serum	Ferritin	CPSOPLABCLIN78	WGH
Serum	Folate	CPSOPLABCLIN78	WGH
Serum	Free Triiodothyronine (T3)	CPSOPLABCLIN81	WGH
Serum	Free Thyroxine (T4)	CPSOPLABCLIN82	WGH
Serum	Progesterone	CPSOPLABCLIN86	WGH
Serum	PSA (Prostate Specific Antigen)	CPSOPLABCLIN88	WGH
Serum	PTH (Parathyroid hormone)	CPSOPLABCLIN89	WGH
Serum	Total HCG	CPSOPLABCLIN92	WGH
Serum	HS Troponin I	CPSOPLABCLIN83	WGH
Serum	Thyroid Stimulating Hormone (TSH)	CPSOPLABCLIN94	WGH
Serum	NT-proBNP	CPSOPLABCLIN85	WGH



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities</u> (cont'd)	<u>In house documented methods incorporating manufacturers' instructions as required</u>	
	<u>Automated Clinical Chemistry-Immunoassay</u> (cont'd)	Siemens Atellica using chemiluminometric assay SOP: CPSOPLABCLIN70	HHH
Serum/Plasma	Cortisol	CPSOPLABCLIN76	HHH
Serum/Plasma	Oestradiol	CPSOPLABCLIN77	HHH
Serum/Plasma	Ferritin	CPSOPLABCLIN78	HHH
Serum/Plasma	Folate	CPSOPLABCLIN79	HHH
Serum/Plasma	Free T3	CPSOPLABCLIN81	HHH
Serum/Plasma	Free T4	CPSOPLABCLIN82	HHH
Serum/Plasma	FSH	CPSOPLABCLIN80	HHH
Serum/Plasma	LH	CPSOPLABCLIN84	HHH
Serum/Plasma	Progesterone	CPSOPLABCLIN86	HHH
Serum/Plasma	Prolactin	CPSOPLABCLIN87	HHH
Serum	PSA	CPSOPLABCLIN88	HHH
Serum/Plasma	Sex Hormone Binding Globulin (SBHG)	CPSOPLABCLIN90	HHH
Serum	Testosterone	CPSOPLABCLIN91	HHH
Serum	Total HCG	CPSOPLABCLIN92	HHH
Serum	Thyroid stimulating Hormone	CPSOPLABCLIN94	HHH
Serum/Plasma	Vitamin B12	CSSOPLABCLIN95	HHH
Serum/Plasma	Vitamin D	CSSOPLABCLIN96	HHH



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities (cont'd)</u>	<u>In house documented methods incorporating manufacturers' instructions as required</u>	
	<u>Automated Clinical Chemistry</u>	Roche Cobas c702 Analyser using photometric techniques	
Serum	Valproate	SOP: CPSOPLABCLIN43	WGH
Serum	Paracetamol	SOP: CPSOPLABCLIN54	WGH
Serum/Plasma	Albumin	SOP: CPSOPLABCLIN14	HHH WGH
Serum/Plasma	ALP (Alkaline Phosphatase)	SOP: CPSOPLABCLIN16	HHH WGH
Serum/Plasma	ALT (Alanine transaminase)	SOP: CPSOPLABCLIN17	WGH HHH
Serum/Plasma	Alcohol	SOP: CPSOPLABCLIN15	WGH
Serum	Amikacin	SOP; CPSOPLABCLIN102	WGH
Plasma	Ammonia	SOP: CPSOPLABCLIN18	WGH
Serum/Plasma	Amylase	SOP: CPSOPLABCLIN19	HHH WGH
Serum/Plasma	AST (Aspartate aminotransferase)	SOP: CPSOPLABCLIN20	WGH
Serum	Bile Acids	SOP: CPSOPLABCLIN48	WGH
Serum/Plasma	Conjugated Bilirubin	SOP: CPSOPLABCLIN25	WGH
Serum/Plasma	Urea	SOP: CPSOPLABCLIN42	HHH WGH
Serum/Plasma	Calcium	SOP: CPSOPLABCLIN44	HHH WGH
Serum / Plasma	Cholesterol	SOP: CPSOPLABCLIN22	HHH WGH
Serum/ Plasma	Creatinine Kinase	SOP: CPSOPLABCLIN45	HHH WGH



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities</u> (cont'd)	<u>In house documented methods incorporating manufacturers' instructions as required</u>	
	<u>Automated Clinical Chemistry</u> (cont'd)	Roche Cobas c702 Analyser using photometric techniques (cont'd)	
Serum	Carbamazepine	SOP: CPSOPLABCLIN53	WGH
Serum/Plasma	Creatinine	SOP: CPSOPLABCLIN28(Jaffe)	HHH WGH
Serum	Cedia Gentamicin	CPSOPLABCLIN99	WGH
Serum/Plasma	C-Reactive Protein (CRP)	SOP: CPSOPLABCLIN23	HHH WGH
Serum	Digoxin	SOP: CPSOPLABCLIN24	WGH
Serum/Plasma	HDL	SOP: CPSOPLABCLIN27	HHH WGH
Serum/Plasma	Bicarbonate	SOP: CPSOPLABCLIN21	WGH HHH
Serum/Plasma	Iron	SOP: CPSOPLABCLIN30	HHH WGH
Serum/Plasma	GGT (Gamma Glutamyltransferase)	SOP: CPSOPLABCLIN26	HHH WGH
Plasma	Glucose	SOP: CPSOPLABCLIN46	HHH WGH
Plasma	Lactate	SOP: CPSOPLABCLIN51	WGH
Serum	Lactate Dehydrogenase	SOP: CPSOPLABCLIN32	WGH
Serum	Lithium	SOP: CPSOPLABCLIN33	HHH WGH
Serum/Plasma	Magnesium	SOP: CPSOPLABCLIN34	HHH WGH
Serum	Phenytoin	SOP: CPSOPLABCLIN36	WGH



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities</u> (cont'd)	<u>In house documented methods incorporating manufacturers' instructions as required</u>	
	<u>Automated Clinical Chemistry</u> (cont'd)	Roche Cobas c702 Analyser using photometric techniques (cont'd)	
Serum	Phosphate	SOP: CPSOPLABCLIN37	HHH WGH
Serum	Salicylate	SOP: CPSOPLABCLIN55	WGH
Serum/Plasma	Total Bilirubin	SOP: CPSOPLABCLIN40	HHH WGH
Serum	Theophylline	SOP: CPSOPLABCLIN39	WGH
Serum/Plasma	Total Protein	SOP: CPSOPLABCLIN41	HHH WGH
Serum /Plasma	Triglyceride	SOP: CPSOPLABCLIN47	HHH WGH
Serum/Plasma	Uric Acid	SOP: CPSOPLABCLIN52	HHH WGH
Serum	Rheumatoid Factor	SOP: CPSOPLABCLIN13	HHH
Serum	Angiotensin Converting Enzyme (ACE)	SOP: CPSOPLABCLIN65	HHH
Serum	Alpha-1-Antitrypsin	SOP: CPSOPLABCLIN62	HHH



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities</u> (cont'd)	<u>In house documented methods incorporating manufacturers' instructions as required</u>	
	<u>Proteins:</u>	Roche Cobas c702 Analyser using photometric techniques (cont'd)	
Serum	Complement C3	SOP: CPSOPLABCLIN58	HHH
Serum	Complement C4	SOP: CPSOPLABCLIN58	HHH
Serum	IgA	SOP: CPSOPLABCLIN29	HHH
Serum	IgG	SOP: CPSOPLABCLIN29	HHH
Serum	IgM	SOP: CPSOPLABCLIN29	HHH
Serum	Transferrin	SOP: CPSOPLABCLIN60	HHH
	<u>CSF Proteins and Biochemistry:</u>	Roche Cobas c702 Analyser using photometric techniques	
CSF	Total Protein	SOP: CPSOPLABCLIN56	WGH
CSF	Lactate	SOP: CPSOPLABCLIN51	WGH
CSF	Glucose	SOP: CPSOPLABCLIN46	WGH
	<u>Urine Chemistries</u>	Roche Cobas c702 Analyser using photometric techniques	
Urine	Total Protein	SOP: CPSOPLABCLIN56	WGH HHH
Urine	Microalbumin	SOP: CPSOPLABCLIN50	HHH
Urine	Calcium	SOP: CPSOPLABCLIN44	WGH HHH
Urine	Creatinine (Jaffe)	SOP: CPSOPLABCLIN28	WGH HHH



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities</u> (cont'd)	<u>In house documented methods incorporating manufacturers' instructions as required</u>	
	<u>Urine Chemistries</u> (cont'd)		
Urine	Phosphate	SOP: CPSOPLABCLIN37	HHH
Urine	Potassium	SOP: CPSOPLABCLIN31	WGH HHH
Urine	Uric Acid	SOP: CPSOPLABCLIN52	WGH HHH
Urine	Urea	SOP: CPSOPLABCLIN42	WGH HHH
		Roche Cobas ISE Analyser using ISE method	HHH WGH
Serum/Plasma	Chloride	SOP: CPSOPLABCLIN9	HHH WGH
Serum/plasma	Direct chloride		WGH
Serum	Indirect Sodium	SOP: CPSOPLABCLIN31	HHH WGH
Serum/Plasma	Potassium	SOP: CPSOPLABCLIN31	WGH
Serum	Direct Sodium	Roche ISE 9180 using ISE method SOP: CPSOPLABCLIN31	WGH
	<u>Calculated Results:</u>		
Calculated	AKI	Calculated	WGH HHH
Calculated	eGFR	Calculated	WGH HHH
Calculated	Adjusted Calcium	Calculated	WGH HHH
Calculated	LDL Cholesterol	Calculated	WGH HHH





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HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities</u> (cont'd)	<u>In house documented methods incorporating manufacturers' instructions as required</u>	
	<u>Calculated Results</u> (cont'd)		
Calculated	Non HDL Cholesterol	Calculated	WGH HHH
Calculated	Transferrin saturation	Calculated	WGH HHH
Calculated	Testosterone/SHBG ratio	Calculated	WGH HHH
	<u>Proteins:</u>		
Urine	Bence Jones Protein	Sebia Hydrasys (Gel) Zone Electrophoresis (Hydrigel) SOP: CPSOPLABCLIN66	HHH
Urine	Paraprotein typing and quantitation	Sebia Hydrasys (Gel) Classical Zone Electrophoresis (Hydrigel) SOP: CPSOPLABCLIN66	HHH
Serum	Paraprotein typing and quantitation (Serum Immunofixation)	Sebia Hydrasys (Gel) Zone Electrophoresis (Hydrigel) SOP: CPSOPLABCLIN69	HHH
Serum	Paraprotein typing and quantitation	Sebia Capillary Electrophoresis Classical Zone Electrophoresis and Liquid Chromatography SOP: CPSOPLABCLIN68 & CPSOPLABCLIN67	HHH
	<u>Chromatography:</u>		
EDTA Whole Blood	HbA1C	Menarini Hb9210 the glycation specific binding of Boronate affinity detecting all glycated Hb species SOP: CPSOPLABCHROM5	HHH



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities (cont'd)</u>	<u>In house documented methods incorporating manufacturers' instructions as required</u>	
CSF	<u>Miscellaneous Assays:</u> Xanthochromia	Spectral Scan SOP: CPSOPLABCLIN4	WGH
Serum and Urine	Osmolality	Freezing point depression SOP: CPSOPLABCLIN8	WGH
Faeces	Faecal immunochemical testing (FIT)	OC Sensor iO	HHH
END			