


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 9774 Accredited to ISO 15189:2022	Worcestershire Acute Hospitals NHS Trust	
	Issue No: 007 Issue date: 20 May 2025	
	Worcestershire Royal Hospital Charles Hastings Way Worcester WR5 1DD	Contact: Jessica Patel Tel: +44 (0)1905 760844 / (0)1905 760535 E-Mail: jessicapatel@nhs.net Website: www.worcsacute.nhs.uk
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
Address Worcestershire Royal Hospital Charles Hastings Way Worcester WR5 1DD Local contact Jessica Patel Tel: 01905 760535 01905 760844	Clinical Biochemistry	WRH
Address Alexandra Hospital Woodrow Drive Redditch B98 7UB Local contact Jessica Patel Tel: 01905 760535 01905 760844	Clinical Biochemistry	ALEX



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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>	Documented in-house procedures in conjunction with manufacturer's instructions for analysis using the following:	
Serum and Urine		Beckman Coulter AU5800 Analysers	
		LP-U-CHM Beckman AU5800 Basic Operation SOP	
	<u>Sodium</u>	Indirect ISE	WRH
	<u>Potassium</u>	Indirect ISE	WRH
	<u>Chloride</u>	Indirect ISE	WRH
	<u>Amylase</u>	Kinetic Colourimetric (IFCC)	WRH
	<u>Calcium</u>	Colourimetric – arsenazo	WRH
	<u>Magnesium</u>	Colourimetric – Xylidyl Blue	WRH
	<u>Phosphate</u>	Photometric UV	WRH
	<u>Urea</u>	Kinetic UV	WRH
	<u>Uric Acid</u>	Enzymatic Colourimetric	WRH
Serum	<u>Acetaminophen</u>	EMIT Homogeneous Enzyme Immunoassay	WRH
	<u>Alkaline Phosphatase</u>	Kinetic Colourimetric (IFCC)	WRH
	<u>Alpha-1-Antitrypsin</u>	Immunoturbidimetric	WRH
	<u>Albumin</u>	Colorimetric BCG	WRH
	<u>Aspartate Aminotransferase</u>	Kinetic UV (IFCC)	WRH
	<u>Alanine Aminotransferase</u>	Kinetic UV	WRH
	<u>Beta-2-Microglobulin</u>	Immunoturbidimetric	WRH
	<u>Bicarbonate</u>	Enzymatic PEP – MD	WRH



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY FLUIDS (cont)	<u>Biochemistry examination activities for the purpose of clinical diagnosis (cont)</u>	Documented in-house procedures in conjunction with manufacturer's instructions for analysis using the following:	
Serum		Beckman Coulter AU5800 Analysers	
		LP-U-CHM Beckman AU5800 Basic Operation SOP	
	<u>Total Bile Acids Liquid</u>	Enzymatic Colour	WRH
	<u>Bilirubin Direct</u>	Colorimetric - DPD	WRH
	<u>Bilirubin Total</u>	Colorimetric - DPD	WRH
	<u>Complement C3</u>	Immunoturbidimetric	WRH
	<u>Complement C4</u>	Immunoturbidimetric	WRH
	<u>Carbamazepine</u>	EMIT Homogeneous Enzyme Immunoassay	WRH
	<u>Ceruloplasmin</u>	Immunoturbidimetric	WRH
	<u>Chloesterol</u>	Enzymatic Colour	WRH
	<u>Creatine</u>	Enzymatic	WRH
	<u>Creatine Kinase</u>	Kinetic UV	WRH
	<u>CRP</u>	Latex Particle Immunoturbidimetric	WRH
	<u>Ethanol</u>	Emit Enzymatic Reaction	WRH
	<u>Gentamicin</u>	EMIT Homogeneous Enzyme Immunoassay	WRH
	<u>GGT</u>	Kinetic Colourimetric	WRH
	<u>Haptoglobin</u>	Immunoturbidimetric	WRH
	<u>HDL Cholesterol</u>	Enzymatic Colourimetric	WRH
	<u>Immunoglobulin A</u>	Immunoturbidimetric	WRH
	<u>Immunoglobulin G</u>	Immunoturbidimetric	WRH



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HUMAN BODY FLUIDS <u>(cont)</u>	<u>Biochemistry examination activities for the purpose of clinical diagnosis (cont)</u>	Documented in-house procedures in conjunction with manufacturer's instructions for analysis using the following:	
Serum		Beckman Coulter AU5800 Analysers	
		LP-U-CHM Beckman AU5800 Basic Operation SOP	
	<u>Immunoglobulin M</u>	Immunoturbidimetric	WRH
	<u>Iron</u>	Colourimetric	
	<u>Lactate Dehydrogenase</u>	Enzymatic Colourimetric	WRH
	<u>Lithium</u>	Colourimetric	WRH
	<u>Phenytoin</u>	EMIT Homogeneous Enzyme Immunoassay	WRH
	<u>Rheumatoid Factor</u>	Latex-Enhanced Immunoturbidimetric	WRH
	<u>Salicylate</u>	EMIT Homogeneous Enzyme Immunoassay	WRH
	<u>Theophylline</u>	EMIT Homogeneous Enzyme Immunoassay	WRH
	<u>Tobramycin</u>	EMIT Homogeneous Enzyme Immunoassay	WRH
	<u>Total Protein</u>	Colourimetric – Biuret	WRH
	<u>Transferrin</u>	Immunoturbidimetric	WRH
	<u>Triglycerides</u>	Enzymatic Colourimetric – GPO	WRH
	<u>Valproic Acid</u>	EMIT Homogeneous Enzyme Immunoassay	WRH
	<u>Vancomycin</u>	EMIT Homogeneous Enzyme Immunoassay	WRH
EDTA Plasma	<u>Ammonia</u>	Enzymatic	WRH
Plasma and CSF	<u>Glucose</u>	Enzymatic UV Hexokinase	WRH



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HUMAN BODY FLUIDS (cont)	<u>Biochemistry examination activities for the purpose of clinical diagnosis (cont)</u>	Documented in-house procedures in conjunction with manufacturer's instructions for analysis using the following: Beckman Coulter AU5800 Analysers LP-U-CHM Beckman AU5800 Basic Operation SOP	
Plasma and CSF	<u>Lactate</u>	Enzymatic Colourimetric	WRH
Urine	<u>Microalbumin</u>	Turbidimetric	WRH
Urine and CSF	<u>Protein</u>	Colourimetric - Pyrogallol Red Beckman Coulter Unicel Dxl LP-U-CHM-Beckman Dxl Basic Operation Standard Operating Procedure	WRH
Serum	<u>AFP</u>	Chemiluminescent Immunoassay	WRH
	<u>AMH</u>	Chemiluminescent Immunoassay	WRH
	<u>Ca12-5</u>	Chemiluminescent Immunoassay	WRH
	<u>Ca15-3</u>	Chemiluminescent Immunoassay	WRH
	<u>Ca19-9</u>	Chemiluminescent Immunoassay	WRH
	<u>CEA</u>	Chemiluminescent Immunoassay	WRH
	<u>Cortisol</u>	Chemiluminescent Immunoassay	WRH
	<u>Digoxin</u>	Chemiluminescent Immunoassay	WRH
	<u>Ferritin</u>	Chemiluminescent Immunoassay	WRH
	<u>Folate</u>	Chemiluminescent Immunoassay	WRH
	<u>Free PSA</u>	Chemiluminescent Immunoassay	WRH
	<u>Free T3</u>	Chemiluminescent Immunoassay	WRH
	<u>Free T4</u>	Chemiluminescent Immunoassay	WRH
	<u>FSH</u>	Chemiluminescent Immunoassay	WRH



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HUMAN BODY FLUIDS <u>(cont)</u>	<u>Biochemistry examination activities for the purpose of clinical diagnosis (cont)</u>	Documented in-house procedures in conjunction with manufacturer's instructions for analysis using the following:	
Serum		Beckman Coulter Unicel Dxl	
		LP-U-CHM-Beckman Dxl Basic Operation Standard Operating Procedure	
	<u>HCG</u>	Chemiluminescent Immunoassay	WRH
	<u>LH</u>	Chemiluminescent Immunoassay	WRH
	<u>Oestradiol</u>	Chemiluminescent Immunoassay	WRH
	<u>Procalcitonin</u>	Chemiluminescent Immunoassay	WRH
	<u>Progesterone</u>	Chemiluminescent Immunoassay	WRH
	<u>Prolactin</u>	Chemiluminescent Immunoassay	WRH
	<u>SHBG</u>	Chemiluminescent Immunoassay	WRH
	<u>Testosterone</u>	Chemiluminescent Immunoassay	WRH
	<u>Total PSA</u>	Chemiluminescent Immunoassay	WRH
	<u>TPO Ab</u>	Chemiluminescent Immunoassay	WRH
	<u>Troponin I</u>	Chemiluminescent Immunoassay	WRH
	<u>TSH</u>	Chemiluminescent Immunoassay	WRH
	<u>Vitamin B12</u>	Chemiluminescent Immunoassay	WRH
	<u>Vitamin D</u>	Chemiluminescent Immunoassay	WRH
EDTA Plasma	<u>PTH</u>	Chemiluminescent Immunoassay	WRH
Serum and Urine	<u>Osmolality</u>	Chemiluminescent Immunoassay	WRH
Serum and Plasma	<u>Sodium</u>	Chemiluminescent Immunoassay	WRH



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HUMAN BODY FLUIDS (cont)	<u>Biochemistry examination activities for the purpose of clinical diagnosis (cont)</u>	Documented in-house procedures in conjunction with manufacturer's instructions for analysis using the following: Beckman Coulter DXC700 LP-U-CHM-Beckman DxC700 Basic Operation SOP	
Serum and Urine	<u>Sodium</u>	Indirect ISE	ALEX
	<u>Potassium</u>	Indirect ISE	ALEX
	<u>Chloride</u>	Indirect ISE	ALEX
	<u>Amylase</u>	Kinetic Colourimetric (IFCC)	ALEX
	<u>Calcium</u>	Colourimetric – arsenazo	ALEX
	<u>Cholesterol</u>	Enzymatic Colour	ALEX
	<u>Creatine Kinase</u>	Kinetic UV	ALEX
	<u>Creatinine</u>	Enzymatic	ALEX
	<u>CRP</u>	Latex Particle Immunoturbidimetric	ALEX
	<u>Ethanol</u>	Emit Enzymatic Reaction	ALEX
	<u>GGT</u>	Kinetic Colourimetric	ALEX
	<u>Urea</u>	Kinetic UV	ALEX
	<u>Uric Acid</u>	Enzymatic Colourimetric	ALEX
Serum	<u>Acetaminophen</u>	EMIT Homogeneous Enzyme Immunoassay	ALEX
	<u>Alkaline Phosphatase</u>	Kinetic Colourimetric (IFCC)	ALEX
	<u>Albumin</u>	Colorimetric BCG	ALEX
	<u>Alanine Aminotransferase</u>	Kinetic UV (IFCC)	ALEX
	<u>Aspartate Aminotransferase</u>	Kinetic UV	ALEX
	<u>Beta-2-Microglobulin</u>	Immunoturbidimetric	ALEX



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HUMAN BODY FLUIDS (cont)	<u>Biochemistry examination activities for the purpose of clinical diagnosis (cont)</u>	Documented in-house procedures in conjunction with manufacturer's instructions for analysis using the following: Beckman Coulter DXC700 LP-U-CHM-Beckman DxC700 Basic Operation SOP	
Serum	<u>Bicarbonate</u>	Enzymatic PEP – MD	ALEX
	<u>Total Bile Acids</u>	Enzymatic Colour	ALEX
	<u>Bilirubin Direct</u>	Colorimetric - DPD	ALEX
	<u>Bilirubin Total</u>	Colorimetric - DPD	ALEX
	<u>HDL Cholesterol</u>	Enzymatic Colourimetric	ALEX
	<u>Immunoglobulin A</u>	Immunoturbidimetric	ALEX
	<u>Iron</u>	Colourimetric	ALEX
	<u>Lactate Dehydrogenase</u>	Enzymatic Colourimetric	ALEX
	<u>Lithium</u>	Colourimetric	ALEX
	<u>Magnesium</u>	Colourimetric – Xylidyl Blue	ALEX
	<u>Phosphate</u>	Photometric UV	ALEX
	<u>Salicylate</u>	EMIT Homogeneous Enzyme Immunoassay	ALEX
	<u>Total Protein</u>	Colourimetric – Biuret	ALEX
	<u>Triglycerides</u>	Enzymatic Colourimetric – GPO	ALEX
	<u>Vancomycin</u>	EMIT Homogeneous Enzyme Immunoassay	ALEX
EDTA Plasma	<u>Ammonia</u>	Enzymatic	ALEX
Plasma and CSF	<u>Glucose</u>	Enzymatic UV Hexokinase	ALEX
	<u>Lactate</u>	Enzymatic Colourimetric	ALEX
Urine	<u>Microalbumin</u>	Turbidimetric	ALEX



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY FLUIDS <u>(cont)</u>	<u>Biochemistry examination activities for the purpose of clinical diagnosis (cont)</u>	Documented in-house procedures in conjunction with manufacturer's instructions for analysis using the following: Beckman Coulter DXC700 LP-U-CHM-Beckman DxC700 Basic Operation SOP	
Urine and CSF	<u>Protein</u>	Colourimetric – Pyrogallol Red Beckman Coulter Unicel DxI LP-U-CHM-Beckman DxI Basic Operation Standard Operating Procedure	ALEX
Serum	<u>Cortisol</u>	Chemiluminescent Immunoassay	ALEX
	<u>Digoxin</u>	Chemiluminescent Immunoassay	ALEX
	<u>Ferritin</u>	Chemiluminescent Immunoassay	ALEX
	<u>Folate</u>	Chemiluminescent Immunoassay	ALEX
	<u>Free T4</u>	Chemiluminescent Immunoassay	ALEX
	<u>HCG</u>	Chemiluminescent Immunoassay	ALEX
	<u>Progesterone</u>	Chemiluminescent Immunoassay	ALEX
	<u>Total PSA</u>	Chemiluminescent Immunoassay	ALEX
	<u>Troponin I</u>	Chemiluminescent Immunoassay	ALEX
	<u>TSH</u>	Chemiluminescent Immunoassay	ALEX
	<u>Vitamin B12</u>	Chemiluminescent Immunoassay	ALEX
Serum and Plasma	<u>Sodium</u>	Chemiluminescent Immunoassay Werfen Bio-Flash LP-U-CHM Use and maintenance of BIO-FLASH analyser	ALEX
Faeces	<u>Faecal Calprotectin</u>	Immunoassay	ALEX
Serum	<u>TTG</u>	Immunoassay	ALEX
	<u>ACCP</u>	Immunoassay	ALEX



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Serum	Serum protein electrophoresis: Paraprotein identification and quantitation of main protein fractions (albumin, alpha 1, alpha-2, β -1, β -2, gamma fractions) and monoclonal protein	SEBIA Capillarys Electrophoresis LP-W-CHM-Protein Electrophoresis on the Sebia Capillarys	WRH
Whole Blood (K+ EDTA)	Haemoglobin A1c and HbF	Sebia Capillarys Tera 3 Analyser using Capillary Electrophoresis LP-U-CHM Sebia Capillarys 3 Tera	WRH
Serum	Serum protein electrophoresis and immunotyping	Immuno-typing /immunofixation LP-W-CHM-Proteins-Immunotyping Capillaries using SEBIA capillaries LP-W-CHM-SERUM IMMUNOFIXATION using SEBIA capillaries	WRH
Serum	Alkaline phosphatase isoenzymes (APIS)	LP-CHM-Alkaline Phosphatase Isoenzymes by Sebia HYDRASYS2 semi-automated (electrophoresis)	WRH
Urine	Bence Jones Protein (BJP) and BJP typing	LP-W-CHM-Proteins-BJPscreen LP-W-CHM-urine immunofixation using SEBIA HYDRASYS system (electrophoresis and immunofixation)	WRH
CSF	Xanthochromia	Spectrophotometry using Uvikon XS LP-W-CHM-CSF Spectrophotometric analysis	WRH



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities for the purpose of clinical diagnosis</u> (cont'd)	Documented in-house procedures in conjunction with manufacturer's instructions for analysis using the following:	
Serum/Urine	Osmolality	Advanced Instruments 3320 Measurement of depression of freezing point. LP-W-CHM-The Use and Calibration of the Advanced Micro-Osmometer	WRH
Serum/Urine	Osmolality	Advanced Instruments OSMO1 analyser Measurement of depression of freezing point LP-U-CHM-Use of OSMO1 Micro-Osmometer	ALEX
Urine/Fluid	pH	METTLER TOLEDO PH METER- pH electrode LP-U-CHM-Use of the pH meter FE20	WRH ALEX
Serum	Free light chains	Binding Site analyser- Optilite using turbidimetry SOP: Use of the Optilite Analyser SOP	WRH
END			