


# Schedule of Accreditation

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## United Kingdom Accreditation Service

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

 <p><b>UKAS</b> MEDICAL 8719</p> <p>Accredited to ISO 15189:2012</p>	<b>University Hospitals of Coventry and Warwickshire NHS Trust</b> Issue No: 011    Issue date: 01 October 2021	
	Coventry and Warwickshire Pathology Service Department of Biochemistry and Immunology Clifford Bridge Road Walsgrave Coventry CV2 2DX	Contact: Dr. Neil Anderson Tel: +44 (0) 2476 965397 E-Mail: neil.anderson@uhcw.nhs.uk Website: www.uhcw.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
<p><b>Address</b>                      Department of Biochemistry &amp; Immunology                      4<sup>th</sup> Floor, West wing                      University Hospital                      Clifford Bridge Road                      Walsgrave                      Coventry                      CV2 2DX</p> <p><b>Local contact</b>                      M Huntley</p>	Clinical Biochemistry Immunology	A
<p>Blood Sciences Laboratory                      South Warwick Hospital                      Lakin Road                      Warwick</p> <p><b>Local contact</b>                      Sibimon Vayalaman</p>	Clinical Biochemistry	B
<p>Biochemistry Department                      George Eliot Hospital                      College Street                      Nuneaton                      CV10 7DJ</p> <p><b>Local contact</b>                      M Huntley</p>	Clinical Biochemistry	C



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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 Roche Photometry. Cobas 702, P800 Cobas 502 Cobas 702 Cobas 501 analyser	A B C
		CB LPR165 CB LPR169 BS LPR19	A A, C B
Blood	Alanine Transaminase (ALT) Albumin Alkaline Phosphatase (ALP) Alpha 1 Antitrypsin Amikacin Amylase Aspartate Transaminase (AST) Beta 2 Microglobulin Bicarbonate Bile Acids C Reactive Protein C3c Complement C4 Complement Caeruloplasmin Calcium Carbamazepine (Tegretol) Conjugated Bilirubin (Direct) Creatine Kinase Creatinine Ethanol Gamma Glutamyl Transferase (GGT)		A, B, C A, B, C A, B, C A A A, B, C A A A, B, C A, E A, B, C A, A, A A, B, C A A, B, C A, B, C A, B, C A, B, C A, B, C A, B, C





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HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities for the purpose of clinical diagnosis (cont'd)</u>	Documented in-house procedures in conjunction with manufacturer's instructions for analysis using Roche Photometry (cont'd)	
Urine	Albumin Amylase Bilirubin Calcium Creatinine Magnesium Phosphate Protein Urea Uric Acid		A, B, C A A A, B, C A, B, C A A, B, C A, B, C A, B, C A, B, C
		Documented in-house procedures in conjunction with manufacturer's instructions for analysis using Roche Photometry Cobas 702 analyser	A
		CB LPR165 CB LPR169	A
CSF	Protein Glucose Lactate		A A A
		Documented in-house procedures in conjunction with manufacturer's instructions for analysis using Roche ISE module	
Blood	Chloride Potassium Sodium		A, B, C A, B, C A, B, C
Urine	Potassium Sodium		A, B, C A, B, C



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities for the purpose of clinical diagnosis (cont'd)</u>	Documented in-house procedures in conjunction with manufacturer's instructions for analysis using Roche Immunoassay E602 E601 E602 analysers  Key SOPs:  CB LPR165 CB LPR37 CB LPR15 CB LPR 169 BS LPR19	A B C   A A  B C
Blood	Alpha Fetoprotein (AFP) Anti Mullerian Hormone Cancer Antigen 125 Cancer Antigen 15-3 Cancer Antigen 19-9 Carcino Embryonic Antigen (CEA) Cortisol Cyclosporin (Ciclosporin) Dehydroepiandrosterone (DHA) sulfate (DHEAS) Digoxin Ferritin Folate Follicle Stimulating Hormone (FSH)  Free Thyroxine (T4) Free Triiodothyronine (T3) Growth Hormone Homocysteine Human Chorionic Gonadotrophin (HCG)		A A C C C C A, B, C A A  A, B, C A, B, C A, B, C A, B, C  A, B, C A, B, C A A A, B, C



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities for the purpose of clinical diagnosis (cont'd)</u>	Documented in-house procedures in conjunction with manufacturer's instructions for analysis using Roche Immunoassay analysers (cont'd)	A
Blood (cont'd)	Insulin-like Growth Factor-1 (IGF-1) Luteinizing hormone (LH) NT-pro Brain Natriuretic Peptide (BNP) Oestradiol Parathyroid Hormone (PTH) Progesterone Prolactin Prostate Specific Antigen (PSA) Sex Hormone Binding Globulin (SHBG) Tacrolimus (Prograf) Testosterone Thyroid Peroxidase Antibody Thyroid Stimulating Hormone (TSH) Troponin T (TNT) Vitamin B12 Vitamin D (25-hydroxy Vitamin D)		
	Free B-hCG (Downs 1 <sup>st</sup> trimester) PAPP-A (Downs 1 <sup>st</sup> trimester) T13/T18 screening	Documented-in-house methods to meet the requirements of the Fetal Anomaly screening programme as defined in the July 2018 'Fetal Anomaly screening: laboratory QA evidence requirements' for antenatal screening (PAPP-A and free $\beta$ HCG).	A A A



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities for the purpose of clinical diagnosis (cont'd)</u>	Documented in-house procedures in conjunction with manufacturer's instructions for analysis	
		Calculations in the LIMS	
		CB LPR165	A
		CB LPR169	A, C
		BS LPR19	B
Blood	Creatinine Clearance		A, B, C
Blood	Total Cholesterol HDL Ratio		A, B, C
Urine	Albumin Creatinine Ratio		A, B, C
Urine	Amylase Creatinine Ratio		A
Urine	Calcium Creatinine Ratio		A, B, C
Urine	Phosphate Creatinine Ratio		A, B, C
Urine	Protein Creatinine Ratio		A, B, C
Urine	Urea Creatinine Ratio		A, B, C
Urine	Uric Acid Creatinine Ratio		A, B, C
Blood	Transferrin Saturation		A, B, C
Blood	Estimated Glomerular Filtration Rate (eGFR)		A, B, C
Blood	LDL Cholesterol		A, B, C
Blood	AKI		A, B, C
Blood	Adjusted Calcium		A, B, C
Blood	Serum Free Light Chains: Kappa Lambda Ratio	Binding Site Optilite Analyser Turbimetry SOP: CB LPR211	A
Blood	Ammonia	Documented in-house procedures in conjunction with manufacturer's instructions for analysis using Menarini Ammonia Checker	A, B, C
		Reflectance photometry	
		CB LPR166	
Blood	Haemoglobin A1C	Tosoh G8 HPLC	C
		CB LPR103	



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities for the purpose of clinical diagnosis (cont'd)</u>	Documented in-house procedures in conjunction with manufacturer's instructions (cont'd)	
Urine	Drugs of abuse screen (Methadone, Metamphetamines, Cocaine, Barbiturates, Benzodiazepines, Opiates, Amphetamines, Tetrahydrocannabinol (THC))	Bio Rad Screen  Pallet immunoassay  CB LPR207	A
Blood	Osmolality	Advanced Instruments Osmometer  Measurement of depression of freezing point.  CB LPR6208 CB LPR178	A C B B, C
Urine	Osmolality	Advanced Instruments Osmometer  Measurement of depression of freezing point.  CB LPR66 CB LPR 178	A C B B, C
Sweat	Chloride	ELITech Chlorocheck Chloridometer Sweat Chloride Analyser, Model 3400 using photochemical end point titration CB LPR5, LPR98	A, C





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HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities for the purpose of clinical diagnosis (cont'd)</u>	Documented in-house procedures in conjunction with manufacturer's instructions for analysis	
Sweat	Conductivity	Wescor Sweat Conductivity Conductivity Measurement CB LPR5 CB LPR98	A C
CSF	Xanthochromia	North star spectrophotometer CB LPR76	A



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HUMAN BODY FLUIDS (cont'd)	<u>Molecular examination activities for the purpose of clinical diagnosis</u>	Documented in-house procedures in conjunction with manufacturer's instructions for analysis	A
Real Time PCR Data externally generated	Identification of genetic mutations:	Data Interpretation, reporting and interpretation of genetic analysis	
	Alpha1antitrypsin genotype mutation (AAG)	MD LPR3	
	Haemochromatosis gene mutation (HFE)	MDR LPR52	
	<u>JAK2 V617F mutation</u>	MD LPR2	
	<u>Factor V Leiden</u>	MD LPR4	
	Prothrombin genotype	MD LPR2	



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HUMAN BODY FLUIDS (cont'd)	<u>Immunology examination activities for the purpose of clinical diagnosis</u>	Documented in-house procedure in conjunction with manufacturer's instructions for analysis using Phadia 250 automated Immunoassay System. Enzyme Linked Immunoassay (EliA)	
Serum/Plasma	Connective Tissue Disease screen (Anti Nuclear Antibodies)	CB LPR109 CB CPR 189	A A, E
	Anti dsDNA Antibodies		A
	Anti Extractable Nuclear Antibodies (screen)		A
	Anti Sm Antibodies		A
	Anti RNP Antibodies		A
	Anti Ro Antibodies		A
	Anti La Antibodies		A
	Anti Scl-70 Antibodies		A
	Anti Jo-1 Antibodies		A
	Anti Centromere Antibodies		A
	Anti Cyclic Citrullinated Peptide Antibodies		A
	Anti Myeloperoxidase Antibodies		A
	Anti Proteinase 3 Antibodies		A
	Anti Glomerular Basement Membrane Antibodies		A
Serum/Plasma	Anti Tissue Transglutaminase Antibodies (IgA)		A
	Anti Tissue Transglutaminase Antibodies (IgG)		A
	Anti Cardiolipin Antibodies (IgG)		A
	Anti Cardiolipin Antibodies (IgM)		A
Faeces	Calprotectin	CB LPR130	A



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HUMAN BODY FLUIDS (cont'd)	<u>Immunology examination activities for the purpose of clinical diagnosis</u>	Documented in-house procedures in conjunction with manufacturer's instructions for analysis using Phadia 250 automated Immunoassay System – ImmunoCAP Enzyme Linked Immunoassay CB LPR129 CB LPR130	A
Serum/Plasma	Total IgE Specific IgE to Airborne Mix (sx1) Specific IgE to Almond Specific IgE to Aspergillus Specific IgE to Brazil Nut Specific IgE to Cashew Nut Specific IgE to Cat Specific IgE to Coconut Specific IgE to Dog Specific IgE to Egg (whole) Specific IgE to Cod Specific IgE to Food Mix (fx5) Specific IgE to Timothy Grass Specific IgE to Hazel Nut Specific IgE to House Dust Mite Specific IgE to Latex Specific IgE to Cow's Milk Specific IgE to Peanut Specific IgE to Sesame Seed Specific IgE to Shrimp Specific IgE to Soya Specific IgE to Birch Pollen Specific IgE to Walnut Specific IgE to Wheat		
Serum/Plasma			



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HUMAN BODY FLUIDS (cont'd)	<u>Immunology examination activities for the purpose of clinical diagnosis (cont'd)</u>	Documented in-house procedures in conjunction with manufacturer's instructions for analysis using Euroimmun IF Sprinter Automated Slide Processor and fluorescence microscopy IF Sprinter YG0032-0101. Indirect Immunofluorescence method	A
Serum/plasma	Anti Smooth Muscle Antibodies Anti Mitochondria Antibodies Anti Liver/Kidney Microsome Antibodies Antineutrophil Cytoplasmic Antibodies (ANCA) Anti dsDNA (Crithidea) Anti Gastric Parietal Cell Antibodies	CB LPR162	
Serum/plasma			
Serum	Detection and measurement of paraproteins	Sebia Capillary Electrophoresis System CB LPR133	A
Serum	Typing of paraproteins	Sebia Capillary Electrophoresis System CB LPR143	A
Serum	Typing of paraproteins	Sebia Hydrasys Gel Electrophoresis System CB LPR137	A
Urine	Detection and typing of paraproteins	Sebia Hydrasys Gel Electrophoresis System CB LPR135	A



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HUMAN BODY FLUIDS (cont'd)	<u>Immunology examination activities for the purpose of clinical diagnosis (cont'd)</u>	Documented in-house procedures:	
Serum/plasma	Cryoprotein typing	Sebia Hydrasys Gel Electrophoresis System CB LPR142	A
Serum/plasma	Cryoprotein screen	Sebia Gel Electrophoresis System CB LPR141	A
Faeces	Elastase	TECAN ELISA plate reader CBLPR180	A
END			