


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>UKAS MEDICAL 8061</p> <p>Accredited to ISO 15189:2012</p>	<h3>University Hospitals Bristol NHS Foundation Trust</h3> <p>Issue No: 008 Issue date: 08 July 2021</p>	
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<p>Testing performed at the above address only</p>		

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY FLUIDS	<p><u>Clinical Biochemistry examination activities for the purpose of clinical diagnosis</u></p> <p>Quantification of the following:</p>	<p>In-house documented procedures based on equipment manuals as relevant</p> <p>Roche 6000/8000 analyser Line 1 Cobas 6000 c501; e601; e601 Line 2 Cobas 8000 ISE; c701; e602 Line 3 Cobas 8000 ISE; c701; e602 using immunoassay, ISE and photometric techniques and SOPs</p>
Serum, plasma and urine	Sodium	LP-AUT-ISE
Serum, plasma and urine	Potassium	LP-AUT-ISE
Serum, plasma and urine	Chloride	LP-AUT-ISE
Serum, plasma and urine	Urea	LP-AUT-UREA
Serum and plasma	A1-antitrypsin	LP-AUT-A1AT
Serum and plasma	ACE	LP-AUT-ACE
Serum and plasma	Albumin	LP-AUT-ALBP
Serum and plasma	Alkaline phosphatase	LP-AUT-ALP
Serum and plasma	ALT	LP-AUT-ALT
Plasma	Ammonia	LP-AUT-NH3
Serum, plasma and urine	Amylase	LP-AUT-AMY
Serum and plasma	AST	LP-AUT-AST
Serum and plasma	Bicarbonate	LP-AUT-CO2
Serum and plasma	Bile acids	LP-AUT-BA
Serum and plasma	Bilirubin	LP-AUT-BILT
Serum, plasma and urine	Calcium	LP-AUT-Ca
Serum and plasma	Cholesterol	LP-AUT-CHOL
Serum and plasma	Conjugated bilirubin	LP-AUT-BILD
Serum, plasma and urine	Creatinine	LP-AUT-CREP
Serum and plasma	Creatinine kinase	LP-AUT-CKL
Plasma	Cyclosporine	LP-AUT-CYC
Serum and plasma	Gamma Glutamyl Transferase	LP-AUT-GGT
Serum, plasma and CSF	Glucose	LP-AUT-Gluc



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Serum and plasma	HDL-cholesterol	LP-AUT-HDL
Serum and plasma	Iron	LP-AUT-IRON
Plasma and CSF	Lactate	LP-AUT-LACT
Serum and plasma	NT-proBNP	LP-AUT-proBNP
Serum and plasma	LDH	LP-AUT-LDH
Serum	Lithium	LP-AUT-LITH
Serum and plasma	Magnesium	LP-AUT-MG
Serum and plasma	Paracetamol	LP-AUT-ACETA
Serum, plasma and urine	Phosphate	LP-AUT-PHOS
Urine and CSF	Protein	LP-AUT-TPUC
Serum and plasma	Protein	LP-AUT-TP
Serum and plasma	Salicylate	LP-AUT-SAL
Serum and plasma	Triglyceride	LP-AUT-TRIG
Serum, plasma and urine	Uric acid	LP-AUT-UA
Serum and plasma	Complement C3, C4	LP-AUT-C3, C4
Serum and plasma	AFP	LP-AUT-AFP
Urine	Amphetamine	LP-AUT-AMPS
Serum and plasma	B12	LP-AUT-VB12
Urine	Benzodiazepine	LP-AUT-BENZ
Serum and plasma	CA-125	LP-AUT-CA125
Serum and plasma	CA-15-3	LP-AUT-CA153
Serum and plasma	CA19-9	LP-AUT-CA199
Serum and plasma	Carbamazepine	LP-AUT-CARB
Serum and plasma	CEA	LP-AUT-CEA
Urine	Cocaine	LP-AUT-COC
Serum and plasma	CRP	LP-AUT-CRP
Serum and plasma	Digoxin	LP-AUT-DIG
Serum and plasma	Ferritin	LP-AUT-FER
Serum and plasma	Folate	LP-AUT-FOL
Serum and plasma	Gentamicin	LP-AUT-GENT
Serum and plasma	Haptoglobin	LP-AUT-HAP
Urine	Methadone metabolite	LP-AUT-MET
Serum and plasma	Methotrexate	LP-AUT-MTX



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Urine	Microalbumin	LP-AUT-ALBT2
Urine	Opiates	LP-AUT-OPI
Serum and plasma	Phenobarbitone	LP-AUT-PHNO
Serum and plasma	Phenytoin	LP-AUT-PHEN
Serum and plasma	PSA	LP-AUT-PSA
Plasma	Tacrolimus	LP-AUT-TAC
Serum and plasma	Theophylline	LP-AUT-THEO
Serum and plasma	Tobramycin	LP-AUT-TOB
Serum and plasma	Vancomycin	LP-AUT-VANC
Serum and plasma	Vitamin D	LP-AUT-VITD
Plasma	ACTH	LP-AUT-ACTH
Serum and plasma	FSH	LP-AUT-FSH
Serum and plasma	Growth hormone	LP-AUT-HGH
Serum and plasma	Insulin	LP-AUT-INS
Serum	Insulin like Growth Factor	LP-AUT-IGF1
Serum and Plasma	LH	LP-AUT-LH
Serum and plasma	Macroprolactin	LP-IMMC-Macroprolactin (following PEG precipitation)
Serum and plasma	Neurone Specific Enolase	LP-AUT-NSE
Serum	Procalcitonin	LP-AUT-PCT
Serum and plasma	Progesterone	LP-AUT-PRG
Serum and plasma	Prolactin	LP-AUT-PROL
Serum and plasma	PTH	LP-AUT-PTH
Plasma	SHBG	LP-AUT-SHBG
Serum and plasma	Testosterone	LP-AUT-TEST
Serum and plasma	IgA	LP-AUT-IGA
Serum and plasma	IgE	LP-AUT-IGE
Serum and plasma	IgG	LP-AUT-IGG
Serum and plasma	IgM	LP-AUT-IGM
Serum and plasma	Thyroid antibodies	LP-AUT-TPO



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Serum and plasma	Troponin	LP-AUT-TNT
Serum and plasma	Cortisol	LP-AUT-CORT
Serum and plasma	TSH	LP-AUT-TSH
Serum and plasma	FT4	LP-AUT-FT4
Serum and plasma	FT3	LP-AUT-FT3
Serum and plasma	Vitamin B12	LP-AUT-VB12
Serum and plasma	Folate	LP-AUT-FOL
Serum and plasma	Ferritin	LP-AUT-FER
Serum and plasma	hCG	LP-AUT-HCG
Serum and plasma	Oestradiol	LP-AUT-OES
Serum and plasma	Rheumatoid Factor Assay	LP-AUT-RF
Serum and plasma	Unsaturated iron binding capacity (UIBC)	LP-AUT-UIBC



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Serum	Calculated parameters: Estimated Glomerular Filtration Rate (eGFR) Serum Adjusted Phenytoin Serum Free Androgen Index Serum Free Testosterone Serum Total Iron Binding Capacity Serum Transferrin Saturation Serum Cholesterol/HDL Ratio Serum LDL Cholesterol Serum Non-HDL Cholesterol Serum AST/ALT Ratio Serum FIB 4 Score Serum Percentage Conjugated Bilirubin Serum Globulins Serum Kappa Lambda Light Chain Ratio Serum Macroprolactin Recovery Serum Macroprolactin Estimated Bioactivity Serum Paraprotein Concentration Serum AKI Stage Serum Adjusted Calcium Serum Anion Gap Serum eGFR	LP-BIO-Autocalc
Urine	Urine Albumin/Creatinine Ratio Urine Protein/Creatinine Ratio Urine Glycosaminoglycan/Creatinine Ratio CSF/Plasma Glycine Ratio Urine 5HIAA/Creatinine Ratio Urine Homovanillic Acid/Creatinine Ratio Urine Vanillylmandelic Acid/Creatinine Ratio Urine Free Cortisol Output	



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Urine	Detection of organic acids	Gas chromatography/mass spectrometry using Thermo-Finnigan Trace 2000 GC and Thermo-Finnigan Trace MS. LP-SPT-OAU
Plasma, CSF and urine	Detection and analysis of amino acids	Biochrom 30+ Ion Exchange Chromatography LP-SPT-AA
Urine	Quantification of the following: 5-HIAA HVA VMA	Thermo UkltiMate 3000 with UV detector LP-SPT-VMA LP-SPT-VMA LP-SPT-VMA
Serum and plasma	Vitamin A Vitamin E	LP-SPT-VITS
Plasma	Homocysteine	Thermo UkltiMate 3000 HPLC with fluorescence detector LP-SPT-HCY
Urine Saliva	Quantification of the following: Urine free cortisol Cortisol	UPLC/TMS using Waters Acquity ULPC and Waters Quattro XE mass spectrometer LP-SPT-UFC LP-SPT-SalivaryCortisol
Serum and plasma	Quantification of Tissue Transglutaminase anti tTG IgA	Dynex DS2 analyser using LP-IMMC-AntiTTG



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Faeces	Quantification of Calprotectin	Dynex DS2 analyser using BÜHLMANN fCAL kit LP-IMMC-FCP
Serum, plasma, urine	Measurement of osmolality	Freezing point depression using Advanced Micro Osmometer 3320 LP-SPT-OSM
White blood cells (leukocyte)	Detection of plasma and white cell (leukocyte) enzymes:	Manual methods using Thermo Scientific Evolution 160 UV/Visible Spectrophotometer
	Alpha-galactosidase	LP-SPT-AlphaGal
	Aryl sulphatase A	LP-SPT-ASA
	protein measurement using BCA	LP-SPT-WCEprotein
	Acetyl CoA:alpha-glucosamine N-acetyl transferase	LP-SPT-MPSIIIC
	Alpha-iduronidase	LP-SPT-AlphaID
	Alpha-mannosidase	LP-SPT-AlphaMan
	acetylgalactosaminide	LP-SPT-NAGA
	Arylsulphatase B	LP-SPT-MPSVI
	Beta-galactocerebrosidase	LP-SPT-Krabbe
	Beta-galactosidase	LP-SPT-BetaGal
	Sphingomyelinase	LP-SPT-SphingA/B
	N-acetyl-glucosamine-6-sulphate sulphatase	LP-SPT-MPSIIID
	Palmitoyl protein thioesterase	LP-SPT-PPT
	Tripeptidyl peptidase	LP-SPT-TPP
	Heparan-N-sulphatase	LP-SPT-MPSIIIA
	Hexosaminidase A	LP-SPT-HexA
	Alpha-fucosidase	LP-SPT-AlphaFuc
	Beta-mannosidase	LP-SPT-BetaMan
	Total Hexosaminidase	LP-SPT-TotalHex
	Beta-glucuronidase	LP-SPT-BetaGluc
	Beta-glucocerebrosidase	LP-STP-BetaGlucocer



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Plasma	Detection of plasma and white cell (leukocyte) enzymes: Biotinadase Chitotriosidase Iduronate-2-sulphatase Arylsulphatase A	Manual methods using Thermo Scientific Evolution 160 UV/Visible Spectrophotometer LP-SPT-BTN LP-SPT-Chito LP-SPT-MPSII LP-SPT-ASAPlasma
Plasma and white blood cells (leukocyte)	alpha-N-acetyl-glucosaminidase	LP-SPT-MPSIIIB
Duodenal biopsy	Duodenal disaccharidases (lactase and sucrase)	LP-SPT-Disac
Urine	Detection of urinary glycosaminoglycans (quantitative method)	LP-SPT-MPSscreen
	Detection of glycoaminoglycans	LP-SPT-GAG2D (2D electrophoresis) Sebia Capillarys Flex 2 electrophoresis
Serum	Qualitative detection of serum monoclonal proteins and quantitation of serum monoclonal proteins	LP-IMMC-Capillarys
Serum/Urine/Fluid	Confirmation and typing of monoclonal proteins	Sebia Hydrasys electrophoresis and immunofixation LP-IMMC-IFE
Serum	Qualitative detection of lipoproteins	LP-IMMC-Lipoprotein
	Measurement and typing of alkaline phosphatase isoenzymes	LP-IMMC-ALPisoenzymes
Serum	Alpha 1 Antitrypsin	LP-IMMC-A1AT



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Serum	Free light chains (Lambda and Kappa)	Binding Site Optilite protein analyser Turbidimetry LP-IMMC-FLC
Serum	Lipoprotein	LP-IMMC-LPa
Sweat	Quantification of sweat chloride	Manual method using Sherwood chloride analyser 926s for CF LP-SPT-SweatTest
END		